ANTRIEBSTECHNIK
SEVA TEC
ENERGIEANLAGEN

Katalog
Kegelradgetriebemotoren
Serie K

Catalog
Helical Bevel Gear Motors
Series K

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General Information
Einführung

Key of Symbols	**Erklärung der Bezeichnungen**
c_t ..... *:Coefficient of switch on time.*	c_t ..... : Koeffizient der Betätigung von Schalter
f_s ..... *: Service factor*	f_s ..... : Betriebsfaktor
F_{ama} ..... *: Permissible axial loads which can be applied to output shafts [kN]*	F_{ama} ..... : Zulässige Axialkräfte auf Abtriebswelle [kN]
F_{ame} ..... *: Permissible axial loads which can be applied to input shafts [kN]*	F_{ame} ..... : Zulässige Axialkräfte auf Antriebswelle [kN]
F_{qam} ..... *: Permissible overhung loads which can be applied to output shafts [N]*	F_{qam} ..... : Zulässige Querkräfte auf Abtriebswelle [N]
F_{qem} ..... *: Permissible overhung loads which can be applied to input shafts [N]*	F_{qem} ..... : Zulässige Querkräfte auf Antriebswelle [N]
F_{qa} ..... *: Overhung loads applied to the output shaft [N]*	F_{qa} ..... : Querkräfte auf Abtriebswelle [N]
F_{qe} ..... *: Overhung loads applied to the input shafts [N]*	F_{qe} ..... : Querkräfte auf Antriebswelle [N]
F_q ..... *: Overhung loads on output shaft [N]*	F_q ..... : Querkräfte auf Abtriebswelle [N]
F_a ..... *: Axial loads on output shaft [N]*	F_a ..... : Axialkräfte auf Abtriebswelle [N]
i ..... *: Transmission ratio*	i ..... : Übersetzungsverhältnis
J_{ext} ..... *: Total outside moment of inertia reduced to the motor shaft [kgm²]*	J_{ext} ..... : Die Gesamtträgheit der rotierende Teile von der Aus gangsseite reduziert auf Motor welle [kgm²]
M_2 ..... *: Output torque [N]*	M_2 ..... : Ausgangsdrehmoment [N]
M_a ..... *: Nominal torque [Nm]*	M_a ..... : Nenndrehmoment [Nm]
n_1 ..... *: Input speed of gearbox [rpm]*	n_1 ..... : Antriebsdrehzahl [U/min]
n_2 ..... *: Output speed of gearbox [rpm]*	n_2 ..... : Abtriebsdrehzahl [U/min]
P_e ..... *: Equivalent power [kW]*	P_e ..... : Äquivalente Leistung [kW]
P_N ..... *: Nominal power (given on per formance tables) [kW]*	P_N ..... : Getriebe Nennleistung (siehe Leistung- Drehzahltabellen) [kW]
P_M ..... *: Power consumption of the driven machine (for alternating power, refer to equivalent power) [kW]*	P_M ..... : Benötigte Leistung an der Abtriebswelle (Zur Berechnung bei variabler Leistungen äquivalente Leistung benutzen) [kW]
t ..... *: Time [s]*	t ..... : Zeit [s]
T_e ..... *: Equivalent torque [Nm]*	T_e ..... : Minimales Drehmoment [Nm]

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Production Range

*This catalogue is containing **M and N series** of gearboxes only.*

- M and N Series

M and N series of SEVA-tec are helical geared. The input and output shafts are parallel to each other and on the same plane. The gearbox can be connected to the machine by using the foot or flange on the gearbox. Has solid output shaft.

- D Series

D series are helical geared gearboxes with parallel input and output shafts. The shafts have a distance in between and located on the same plane. The gearbox can be assembled to the machine by using, the connection screws on the sides, flange or torque arm on the gearbox. Can have hollow or solid output shaft.

- E Series

E series gearboxes are with worm and wormwheel. The input and output shafts are perpendicular to each other and have a distance in between. It can be assembled to the driven machine by the use of the foot, flange or torque arm on the gearbox. Can have hollow or solid output shaft.

- Y Series

Horizontal type gearboxes are designed to operate in heavy conditions. In these types there are a lot of combination forms between gearbox and driver (for example, mechanic and hydraulic couplings, various belt and chain drives etc.). Can have hollow or solid output shaft.

- K Series

These are gearboxes with helical and bevel gears. The input and output shafts are perpendicular to each other and have a distance in between. It can be assembled to the driven machine using the foot, flange or torque arm on the gearbox. They have high efficiency compared to E series. Can have hollow or solid output shaft.

- H and B Series

These gearboxes are helical or/and bevel geared industrial gearboxes . The input and output shafts can be arranged parallel or perpendicular to each other. The gearbox can be assembled by the use of the foot connections on each side. Flange connections are optional. Can have hollow or solid output shaft.

- T Series

T Series are gear units which are helical geared, two staged, hollow shaft mounted gear units and manufactured according to monoblock principal. T Series gearboxes have hollow shaft and compact housing so that T series can be mounted on smaller places.

- P and R Series

P and R Series gearboxes are planetary gearboxes. They are mostly used by industrial and mobile applications. Planetary gearboxes can transfer high torques in small volumes compared to other gearboxes.

- VR Serie

VR hoist drives are produced according to M1 - M8 (1Dm - 5m) load classification.

Produktpalette

Dieser Katalog umfasst nur die **M und N Serie** Getriebe.

- M und N Serie

Diese Modelle sind Stirnradgetriebe mit parallelen Antriebs- und Abtriebswelle auf einer Ebene. Die Getriebe werden mit Fuß- oder Flanschverbindung an die angetriebene Maschine angekoppelt. Sie haben eine Vollwelle am Ausgang.

- D Serie

Diese Getriebe sind Stirnradgetriebe mit paralleler Antriebs- und Abtriebswelle, die auf einer Ebene liegen und einen Abstand zueinander haben. Diese Getriebe sind seitlich mit Gewindelöchern an der Maschine oder mit einem Flansch verbunden. Sie können eine Voll- oder Hohlwelle am Ausgang haben.

- E Serie

Diese Getriebe bestehen aus Schnecke und Schneckenrad. Die Antriebs- und Abtriebswellen sind senkrecht zueinander und haben einen bestimmten Abstand. Das Getriebe wird mit Fußbefestigung, Flanschverbindung oder mit Drehmomentstütze an die angetriebene Maschine montiert. Es kann eine Voll- oder Hohlwelle am Ausgang haben.

- Y Serie

Diese Getrieben sind für den Einsatz unter schweren Bedingungen ausgelegt. Bei dieser Ausführung gibt es sehr viele verschiedene Verbindungsmöglichkeiten zwischen Antrieb und Getriebe (Zum Beispiel: mechanische und hydraulische Kupplungen, Riemenantrieb, Kettenantrieb usw.). Sie können eine Voll- oder Hohlwelle am Ausgang haben.

- K Serie

Diese Getriebe bestehen aus Stirnrädern und Kegelrädern. Die Antrieb- und Abtriebswellen sind senkrecht und haben einen Abstand zueinander. Das Getriebe wird mit Fußbefestigung, Flanschverbindung oder Drehmomentstütze an die angetriebene Maschine montiert. Der Wirkungsgrad ist wesentlich höher als bei der E Serie. Es kann eine Voll- oder Hohlwelle am Ausgang haben.

- H und B Serie

Diese Getriebe sind geeignet für industrielle Anwendungen und haben einen parallelen oder senkrechten Antrieb und Abtriebswelle auf einer Ebene. Das Getriebe kann mit Füßen, die auf jeder Seite der Getriebe vorhanden sind, oder optional mit Flansch an die angetriebene Maschine montiert werden. Sie können eine Voll- oder Hohlwelle am Ausgang haben.

- T Serie

T Serien- Getriebe sind zweistufige, schrägverzahnte Hohlwellenflachgetriebe in Monoblockgehäusen. Die T Serie hat ein kompaktes Gehäuse und ist serienmäßig mit Abgangshohlwelle hergestellt, so dass das Getriebe minimalen Platzbedarf hat.

- P und R Serie

P und R Serie sind Planetengetriebe, die vielseitig in der Industrie und bei mobilen Anwendungen einsetzbar sind, mit Planetenzahnrädern. Planetengetriebe können im Vergleich zu anderen Getrieben größere Drehmomente bei kleineren Bauvolumen übertragen.

- VR Serie

VR Krane und Hebezeuge werden geeignet zur Belastungsart M1 - M8 (1Dm - 5m) hergestellt.

13 different sizes:
Torque range: 50 - 18.000 Nm
Speed range: 0,1 - 500 rpm
13 verschiedene Baugrößen:
Drehmomentbereich:50 - 18.000 Nm
Drehzahlbereich : 0,1 - 500 U/min

M ...

13 different sizes:
Torque range: 50 - 18.000 Nm
Speed range: 0,1 - 500 rpm
13 verschiedene Baugrößen:
Drehmomentbereich:50 - 18.000 Nm
Drehzahlbereich : 0,1 - 500 U/min

N ...

8 different sizes:
Torque range: 5 - 1.000 Nm
Speed range: 0,1 - 400 rpm
8 verschiedene Baugrößen:
Drehmomentbereich: 5-1.000 Nm
Drehzahlbereich : 0,1-400 U/min

E ...

12 different sizes:
Torque range: 200 - 20.000 Nm
Speed range: 0,1 - 400 rpm
12 verschiedene Baugrößen:
Drehmomentbereich:200 - 20.000 Nm
Drehzahlbereich : 0,1 - 400 U/min

K ...

11 different sizes:
Torque range: 150 - 18.000 Nm
Speed range: 0,1 - 350 rpm
11 verschiedene Baugrößen:
Drehmomentbereich: 150 - 18.000 Nm
Drehzahlbereich : 0,1 - 350 U/min

D...

25 different sizes:
Torque range: 1200 - 43000Nm
Speed range: 2,6 - 990 rpm
25 verschiedene Baugrößen:
Drehmomentber. :1200-43000 Nm
Drehzahlbereich : 2,6-990 U/min

Y ...

20 different sizes:
Torque range: 2.500 - 470.000 Nm
Speed range: 0,1 - 250 rpm
20 verschiedene Baugrößen:
Drehmomentber. :2.500 - 470.000 Nm
Drehzahlbereich : 0,1 - 250 U/min

H ...

20 different sizes:
Torque range: 5.000 - 470.000 Nm
Speed range: 0,1 - 115 rpm
20 verschiedene Baugrößen:
Drehmomentber. :5.000-470.000 Nm
Drehzahlbereich : 0,1-115 U/min

B ...

10 different sizes:
Torque range: 1.000 - 50.000 Nm
Transmission ratio: 3,5 - 3000
10 verschiedene Baugrößen:
Drehmomentber. : 1.000 - 50.000 Nm
Übersetzung: 3,5 - 3000

P ...

10 different sizes:
Torque range: 1.000 - 50.000 Nm
Transmission ratio: 3,5 - 3000
10 verschiedene Baugrößen:
Drehmomentber. : 1.000 - 50.000 Nm
Übersetzung: 3,5 - 3000

R ...

10 different sizes:
Torque range: 200-18.000 Nm Speed range: 46-280 rpm
10 verschiedene Baugrößen:
Drehmomentber. :200-18.000 Nm
Drehzahlbereich : 46-280 U/min

T ...

VR Hoist Drive Units
M1 - M8 ,(1Dm - 5m) load classification ISO 4301 / 1 ,(FEM 1.001 / III)
VR Kran und Hebezeug Getriebe M1 - M8 ,(1Dm - 5m) Belastungsart ISO 4301 / 1 ,(FEM 1.001 / III)

VR ...

General Specifications of K Series Gearboxes

K Series gearboxes are helical-bevel geared monoblock housing gearboxes. K Series are designed for higher efficiency and higher strenght required operations. Input and output shafts are perpendicular to each other.

K Series gearboxes have advantages of E Series mounting options, monoblock housing and higher efficiency advantages of M series with higher torque capabilities. K Series have flexible connection posibilities which is IEC B5 or B14 connection, directly mounted or solid input shaft options .

Small sizes of K series gearboxes can be 2 and 3 stages. Bigger sizes are manufactured only 3 stages in monoblock housing. K series supplied for high reduction operations up to 6 stages by using double housings.

As we are SEVA-tec ,our design principals are;
-Using high technology
-Reliability
-High power density
-High efficiency
-Mounting compatible
-Flexible solutions

Attention to the following points !

- Drawings are examples only and the details on the drawings or illustrations are not strictly binding.

- SEVA-tec reserve the right to make all kinds of changes in products and cataloques without any notice.

- Prior to commissioning, the operating instructions provided with the gearbox must be observed.

- Oil quantities given are guide values only. The exact quantity of oil should be checked by using the provided oil level plugs according mounting positions. For correct oil viscosity refer to the nameplate.

- If the mounting position is not informed upon ordering, the gear unit is delivered according **M1** *mounting position. A different operation then the indicated mounting position on the name plate cancels the warranty. The weights given in this catalogue are mean values. Depending on the ratio and accessories the weights can differ.*

Allgemeine Eigenschaften von K Serie Getrieben

K Serie Getriebe sind Kegelradgetriebe mit Monoblock-Gehäuse. Eingang- und Ausgangswelle sind senkrecht zueinander. Diese Getriebe sind für Einsatzgebiete geeignet, bei denen ein hoher Wirkungsgrad und eine hohe Festigkeit benötigt werden. K Serie Getriebe haben umfangreiche Montagemöglichkeiten, wie die E Serie, hohe Momenttragbarkeit mit hohem Wirkungsgrad und Monoblock-Gehäuse, wie M Serie, als Vorteil. Standart Motorverbindung (IEC B14 oder B5) oder Wellenantrieb ist möglich.

Kleine K-Serie Getriebe können mit zwei oder drei Stufen in einem Monoblock-Gehäuse hergelstellt werden, wobei große K Serie Getriebe nur mit drei Stufen ebenfalls in einem Mono-block-Gehäuse hergestellt werden. K Serien Getriebe können für hohe Untersetzungen mit Hilfe eines zusätzlich gekoppelten Gehäuses in bis zu sechs Stufen produziert werden.

Die Entwurfsprinzipien von SEVA-tec sind:
- Verwenden von hoher Fertigungstechnik
- Hohe Betriebssicherheit
- Leistungsdichte
- Hoher Wirkungsgrad
- Universale Montagemöglichkeit
- Sonderlösungen

Bitte folgende Punkte beachten !

- Die Abbildungen sind beispielhaft und nicht verbindlich.

- Alle Änderungen im Katalog und an den Produkten bleiben vorbehalten und können ohne Kenntnisnahme erfolgen.

- Vor Inbetriebnahme ist die mitgelieferte Betriebsanleitung zu beachten.

- Angaben über Ölmengen sind unverbindlich. Maßgebend ist die Ölstandsschraube in der geeigneten Montageposition. Ölviskosität und Sorte muss den Angaben des Typenschildes entsprechen.

- Wenn die Bauform bei Bestellung nicht angegeben ist, erfolgt die Lieferung in der Bauform **M1.** Wenn die Getriebe anders als auf dem Typenschild benannte Bauform eingesetzt werden, verliert die Garantie ihre Gültigkeit. Die angegebenen Gewichte sind unverbindliche Mittelwerte ohne Zubehör; genauere Gewichte sind abhängig von Zubehör und Übersetzung.

Technical Explanations

- Output Torque (M_2): [Nm]
Multiplication of motor output torque with transmission ratio and efficiency gives the result of output torque at the output shaft of the gear unit.

- Nominal Torque (M_a): [Nm]
Nominal torque is the mechanical torque which the gearbox can resist under f_s=1 conditions.

- Nominal Power (P_e): [kW]
The nominal power is the power which gearbox can mechanicaly resist under f_s=1 condition. The nominal powers are given on the performance tables.

- Ratio (i):
Ratio between output shaft speed and input shaft speed. Available ratios of SEVA-tec K series are between 3,5 to 23500.

- Equivalent Power and Torque P_{eq}: [kW],T_e [Nm]
For gearbox unit with constant speed but variable working conditions : This is the calculated power or torque which is equivalent to the values at working under constant working conditions.

***- Required Power (P_M):* [kW]**
Required power for the applications which is able to drive the system.

- Required Torque (T): [Nm]
Required torque for applications. Required torque always must be equal or smaller than output torque for selected gearbox.

- Permissible Axial and Overhung Loads: Fqem, Fqam [N]
Permissible axial and overhung load at the output or input shaft of gearboxes.

- Service Factor (f_s):
Service factor is a safety coefficient, which takes into account the different running conditions of the driven machine. f_s=1 is used for uniform loads 8 hours working per day and up to 100 cycle per hour.

Technical Specifications:

- Noise Level:
The noise level of our gearboxes is below the permitted values defined in VDI guidelines 2159 for gear units.

- Coating and Corrosion Protection:
The gearboxes are painted with RAL 7031 according DIN1843. Different colors are avaliable upon request. Paintings for high humidity or chemically aggressive environments are available upon request .

Technische Erläuterungen

- Ausgangsmoment (M_2): [Nm] Multiplikation von Ausgangsmoment des Motors mit Übersetzung und Division das Ergebnis mit Wirkungsgrad ergibt den Betrag vom Ausgangsmoment der Getriebe.
- Nennmoment (M_a): [Nm]
Mechanisches Belastungsmoment der Getriebe unter der Bedingung f_s=1.

- Nennleistung (P_e): [kW]
Die Nennleistung ist die mechanische Grenzfestigkeitsleistung für fs=1. Kann von der Leistung- Drehzahltabelle abgelesen werden.

- Übersetzung (i):
Wird aus dem Verhältnis von Ausgang- zu Eingangswinkelgeschwindigkeit bestimmt. Gängige Übersetzungen von SEVA-tec K Serie Getrieben liegen zwischen 3,5 bis 23500.

- Äquivalente Leistung und Moment P_{eq}: [kW], T_e [Nm]
Für mit konstanter Drehzahl aber unter veränderlichen Betriebsbedingungen arbeitende Getriebe berechnete Leistung und Moment äquivalent zu Werten beim Arbeiten unter konstanten Betriebsbedingungen.

- Notwendige Leistung (P_M): [kW]
Für das Getriebe notwendige Leistung, um Arbeiten von Getriebe bei der für das Getriebe gedachten Anwendung zu gewährleisten.

- Notwendige Moment (T): [Nm] Notwendiges Moment für Anwendungen. Für die ausgewählte Getriebe soll das notwendige Moment gleich dem Ausgangsmoment oder kleiner als dieses Moment sein.

- Zulässige Axial- oder Querkräfte: Fqem, Fqam [N]
Bei den Anwendungen während des Betriebszulässige axiale oder radiale Eingangs- oder Ausgangsbelastungen.

- Betriebsfaktor (f_s):
Dieser Faktor f_s ist ein Sicherheitsfaktor, damit die Getriebe unter verschiedenen Bedingungen mit genügender Sicherheit arbeiten. f_s=1 gilt für gleichförmig Belastung, mit 8 Betriebsstunden pro Tag und bis zu 100 Schaltungen pro Stunde.

Technische Informationen:

- Geräuschpegel:
Geräuschstärken aller Getriebe bleiben unter den zulässigen Werten, die für die Getriebe in der VDI-Richtlinie 2159 festgelegt sind.

- Lackierung und Korrosionsschutz:
Die Getriebe werden mit der Farbe RAL 7031 nach DIN1843 lackiert. Auf Wunsch sind Sonderlackierungen möglich. Alle Getriebe können auf Wunsch auch in korrosionsgeschützter Ausführung für aggressive Umgebungen geliefert werden.

- Lubrication:

K series of gearboxes filled with oils which are indicated on lubrication tables. For lubrication details please refer to the lubrication section.

- Accessories:

The following accessories can be applied to K series gearboxes.
- IEC B5 Motor connection flange
- Output flanges
- Shrink Discs
- Backstops
- Special sealing solutions,
- Transparent oil level indicator,
- Torque arm,
- Electromagnetic brakes.

For other accessories please contact, SEVA-tec .

- Surface Protection

Our products are all painted unless otherwise stated. 4 corrosion categories which are mentioned below can be offered according to corrosion categories of DIN EN ISO 12944-2 standard. Our standard paint meets C2 corrosion category. If different category is requested, please inform before order.
Unpainted parts such as shaft, flange connection surface are coated with anti-corrosion paint before shipment against corrosion.

- Schmierung:

K Serie Getriebe werden mit Ölen entsprechend der Schmierungstabellen, falls nicht anders vereinbart, geliefert. Für weitere Schmierungsangaben siehe Kapitel Schmierung.

- Zubehör:

Folgendes Zubehör kann für Getriebe der K Serie geliefert werden.
- IEC B5 Motor Adapter,
- Abtriebsflansch,
- Schrumpfscheiben,
- Rücklaufsperren,
- Unterschiedliche Dichtungssysteme,
- Ölstandzeiger,
- Drehmomentstütze,
- Elektromagnetische Bremsen

Für weiteres Zubehör kontaktieren Sie bitte SEVA-tec.

- Oberflächenschutz

Getriebe von SEVA-tec werden lackiert und so geliefert, falls nicht anders vereinbart ist. Die 4 untenstehenden Kategorien können nach Korrosionsschutz-Basisnorm DIN EN ISO 12944-2 angeboten werden. Unsere Standard-Lackierung erfüllt C2-Korrosionkategorie. Wenn Sie eine andere Kategorie wünschen, informieren Sie uns bitte darüber vor der Bestellung.
Nicht lackierte Teile (z.B. Welle, Oberfläche des Anschlussflanschs) werden mit einem Schutzmittel vor dem Versand geschmiert, um vor Korrosion und Rost zu schützen.

Corrosion Categories Korrosivitätskategorie	*Ambient Conditions* Umgebungsbedingungen	*Paint Type* Lackierung	*Paint Thickness* Sollschichtdicke
C2 (Standard)	*Indoor installation and outdoor installation with protection roof* *Environments with low humidity and contamination* Innenaufstellung und Außenaufstellung mit Überdachung oder Schutzeinrichtung Atmosphäre mit niedriger Luftfeuchtigkeit und Verunreinigung	*Two-Component Primer Coat* Zwei-Komponenten-Grundierung *Acrylic Top Coat* Akryl-Decklack	60 µm 40 µm
C3	*Indoor installation and outdoor installation subject to weathering* *Environments with mean humidity and contamination* Innenaufstellung und Außenaufstellung im Freien unter Bewitterung Atmosphäre mit mäßiger Luftfeuchtigkeit und Verunreinigung	*Epoxy Primer Coat* Epoxy-Grundierung *Acrylic Top Coat* Akryl-Decklack	80 µm 40 µm
C4	*Indoor installation and outdoor installation subject to weathering* *Environments with occasionally high humidity and chemical contamination.* Innenaufstellung und Außenaufstellung im Freien unter Bewitterung Atmosphäre gelegentlich mit hoher Luftfeuchtigkeit und chemischer Verunreinigung	*Epoxy Primer Coat* Epoxy-Grundierung *Acrylic Top Coat* Akryl-Decklack	180 µm 40 µm
C5-I / C5-M	*Indoor installation and outdoor installation subject to weathering* *Environments with permanent high humidity and chemical cleaning contamination* Innenaufstellung und Außenaufstellung im Freien unter Bewitterung Atmosphäre mit ständiger hoher Luftfeuchtigkeit und chemischer Verunreinigung (Nassreinigung mit Säuren/Laugen und auch mit chemischen Reinigungsmitteln).	*Epoxy Zinc Primer Coat* Epoxy-Zink-Grundierung *Epoxy Miox Primer Coat* Epoxy-Miox-Grundierung *Acrylic Top Coat* Akryl-Decklack	70 µm 150 µm 40 µm

Notes / Notizen

Unit Designation / Typenbezeichnung

K R 3 7 3 . 02 R - 3 E90S / 4C - L05

Brake / Bremse

L-220V *With Fan* / Mit Lüfter
P-24V *With Fan* / Mit Lüfter
S-220 V *Without Fan* / Ohne Lüfter
Z-24 V *Without Fan* / Ohne Lüfter

00- 5 Nm **10-** 100 Nm
01- 10 Nm **20-** 200 Nm
02- 25 Nm **30-** 300 Nm
04- 40 Nm **40-** 400 Nm
05- 50 Nm **50-** 500 Nm

Number of Poles / Anzahl der Pole

Motor Size / Motorbaugröße

For KV types / Für Typen KV

E90 S / 4

Pole Number / Anzahl der Pole
Frame Lenght / Gehäuselänge
Motor size / Motorbaugröße
Motor type / Motortyp

For KN Types / Für Typen KN

A06 : 63 B5 **A10** : 100 B5 **A20** : 200 B5
B06 : 63 B14 **B10** : 100 B14 **A22** : 225 B5
A07 : 71 B5 **A11** : 112 B5 **A25** : 250 B5
A08 : 80 B5 **A13** : 132 B5 **A31** : 315 B5
B08 : 80 B14 **B13** : 132 B14
A09 : 90 B5 **A16** : 160 B5
B09 : 90 B14 **A18** : 180 B5

Motor efficiency class / Motor-Effizienzklasse

Output Shaft - Flange Position / Ausgangswelle - Seite von dem Flansch

Output Specification / Eigenschaft der Ausgang

00 :*Hollow output shaft* / Standarte Ausführung mit Hohlwelle
01 :*Solid output shaft* / *Vollwelle*
02 :*Solid output shaft and with Flange* / Mit Flansch und Abtriebsvollwelle
03 :*Flanged and hollow output shaft* / Mit Flansch und Hohlausgangswelle
04 :*With double output shaft* / Mit doppelter Abtriebswelle
05 :*Double flanged and double output shaft* / Mit doppeltem Flansch und doppelter Abtriebswelle
08 :*Double flanged and hollow output shaft* / Mit doppeltem Flansch und Aufsteckwelle
0S :*Shrink disk output* / Schrumpfscheibe
0E :*Extruder output* / Extruder-Ausgang

Stage / Anzahl der Stufen

2 Stages / 2 Stufig
3 Stages / 3 Stufig
4 Stages / 4 Stufig
5 Stages / 5 Stufig
6 Stages / 6 Stufig

Revision Number / Änderungsnummer

Housing Size / Größe von Gehäuse 0...9

Input Type / Eingangstyp

R :*With Motor* / Mit Motor
N :*IEC B5 / B14 Flanged without Motor* / Ohne Motor und mit IEC B5/B14 Eingangsflansch
V :*IEC B5 / B14 Flanged with Motor* / Mit Motor und IEC B5/B14 Eingangsflansch
T :*Without Motor* / Eingang mit Vollwelle ohne Motor

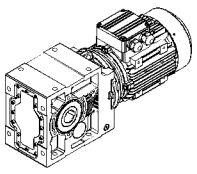
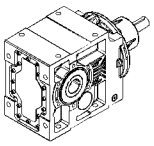
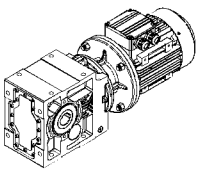
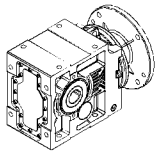
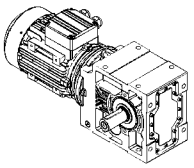
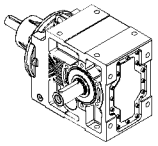
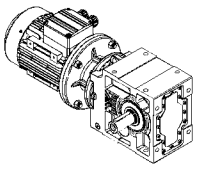
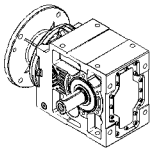
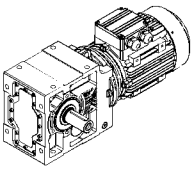
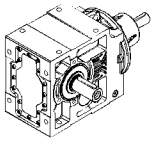
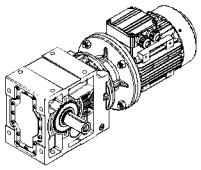
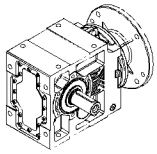
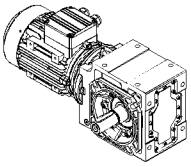
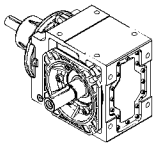
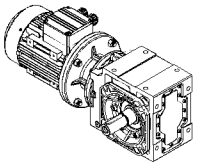
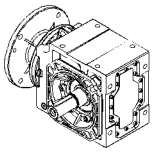
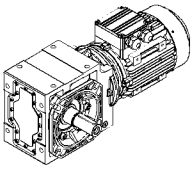
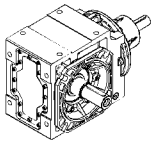
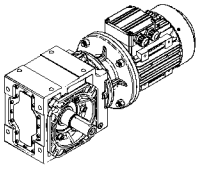
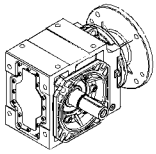
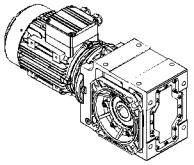
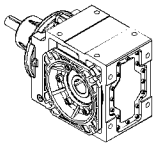
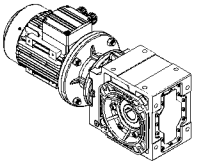
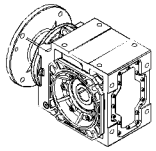
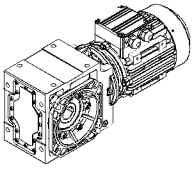
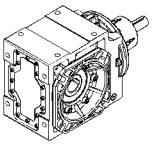
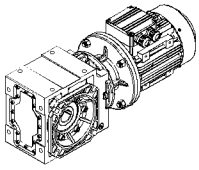
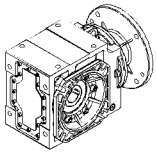
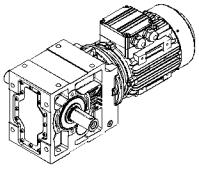
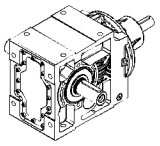
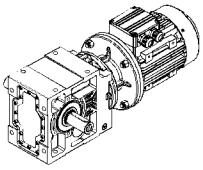
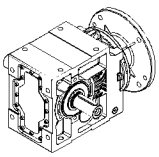
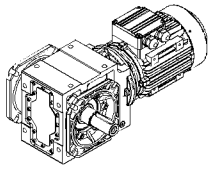
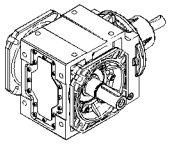
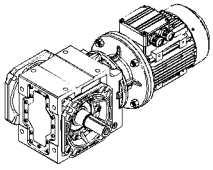
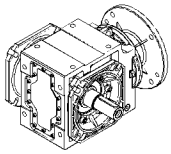
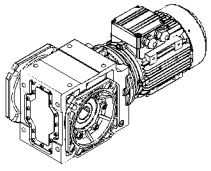
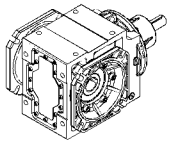
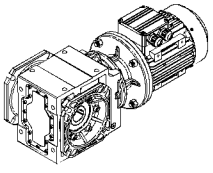
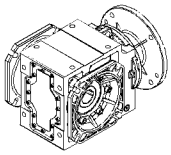
Gearbox Type / Getriebe

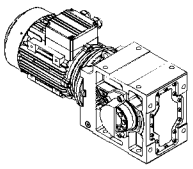
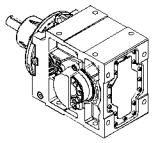
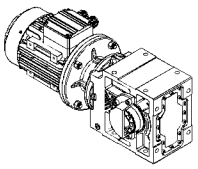
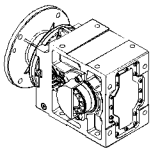
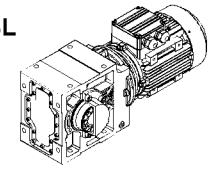
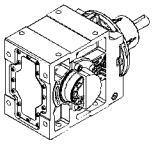
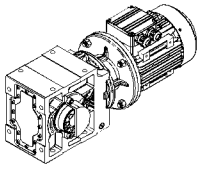
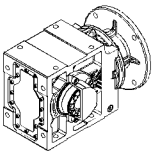
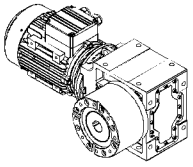
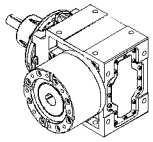
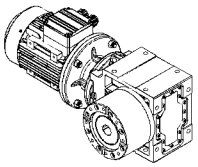
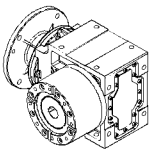
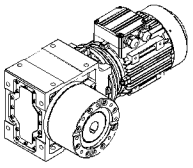
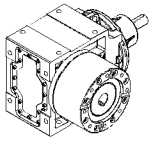
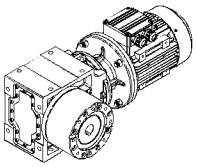
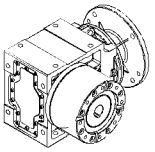
K Serie / K Serie

Unit Designation / Typenbezeichnung

KR..00..	*Bevel-Helical type geared motors , Direct coupled motor, Hollow shaft output /*Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Hohlwelle.
KR..01..	*Bevel-Helical type geared motors, Direct motor coupled, solid output shaft* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Vollwelle.
KR..02..	*Bevel-Helical type geared motors, Direct motor coupled, Solid output shaft and output flange* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Vollwelle und Flasch.
KR..03..	*Bevel-Helical type geared motors, Direct motor coupled, Hollow output shaft and output flange* / Kegelradgetriebe,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KR..04..	*Bevel-Helical type gerboxes, Direct motor coupled, double output shaft,* / Kegelradgetriebe, Verbunden mit Motor, mit doppelter Ausgangswelle.
KR..05..	*Bevel-Helical type geared motors, Direct motor coupled, double hollow output shaft and double flange output.* / Kegelradgetriebe,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KR..08..	*Bevel-Helical type geared motors, Direct motor coupled, double hollow output shaft and double flange output.* / Kegelradgetriebe,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KR..0S..	*Bevel-Helical type geared motors Direct motor coupled , Shrink disk output /* Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Schrumpfscheibe
KR..0E..	*Bevel-Helical type geared motors Direct motor coupled , extruder output /* Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Extruder
KN..00..	*Bevel-Helical type gearboxes, IEC B5/B14 flanged input without motor, hollow output shaft* / Kegelradgetriebe, ohne Motor mit IEC B5/B14 Flansch , Ausgang mit Hohlwelle.
KN..01..	Bevel-*Helical type gearboxes,IEC B5/B14 flanged input without motor, Solid output shaft* / Kegelradgetriebe, ohne Motor mit IEC B5/B14 Flansch, Ausgang mit Vollwelle.
KN..02..	*Bevel-Helical type gearboxes, IEC B5/B14 flanged input without motor, Solid output shaft and output flange* / Kegelradgetriebe, ohne Motor mit IEC B5/B14 Flansch, Ausgang mit Vollwelle und Flansch.
KN..03..	Bevel-Helical type *gearboxes, IEC B5/B14 flanged input without motor, Hollow output shaft and output flange* / Kegelradgetriebe, ohne Motor mit IEC B5/B14, Ausgang mit Hohlwelle und Flansch.
KN..04..	*Bevel-Helical type gerboxes, IEC B5/B14 flanged without motor, double output shaft,* Kegelradgetriebe, ohne Motor mit IEC B5/B14, mit doppelter Ausgangswelle.
KN..05.	*Bevel-Helical type geared motors, IEC B5/B14 flanged input without motor, double hollow output shaft and flange output.* / Kegelradgetriebemotor,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KN..08..	*Bevel-Helical type geared motors, IEC B5/B14 flanged input without motor ,double hollow output shaft and double flange output.* / Kegelradgetriebemotor,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KN..0S..	*Bevel-Helical type geared motors IEC B5/B14 flanged without motor, Shrink disk Output /* Kegelradgetriebemotor, ohne Motor mit IEC B5/B14, Ausgang mit Schrumpfscheibe.
KN..0E..	*Bevel-Helical type geared motors IEC B5/B14 flanged without motor, extruder output /* Kegelradgetriebemotor, ohne Motor mit IEC B5/B14, Ausgang mit Extruder.
KV..00..	*Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, hollow output shaft* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle.
KV..01..	*Bevel-helical type gearboxes,IEC B5/B14 flanged input with coupled motor, solid output shaft* / Kegelradgetriebe,Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Vollwelle.
KV..02..	*Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, with solid output shaft and output flange* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Vollwelle und Flansch.
KV..03..	*Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, Hollow output shaft and output flange* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flasch.
KV..04..	*Bevel-Helical type gerboxes, IEC B5/B14 flanged input with coupled motor, double output shaft,* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, mit doppelter Ausgangswelle
KV..05..	*Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, double output shaft and double output flange* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flansch.
KV..08..	*Bevel-Helical type geared motors, IEC B5/B14 flanged input with direct coupled motor, double hollow output shaft and double flange output.* / Kegelradgetriebemotor,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KV..0S..	*Bevel-Helical geared motors IEC B5/B14 flanged with direct coupled motor, Shrink disk output /* Kegelradgetriebemotor, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Schrumpfscheibe
KV..0E..	*Bevel-Helical geared motors IEC B5/B14 flanged with direct coupled motor, Extruder Output /* Kegelradgetriebemotor, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit extruder.
KT..00..	*Bevel-Helical geared unit, Solid shaft input without motor, Hollow output shaft* / Kegelradgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Hohlwelle.
KT..01..	*Bevel-Helical geared units, Solid shaft input without motor, Solid output shaft* / Kegelradgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Vollwelle.
KT..02..	Bevel-*Helical gear units, Solid shaft input without motor, Solid output shaft and flange output* / Kegelradgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Vollwelle und Flansch.
KT..03..	Bevel-*Helical gear units, solid shaft input without motor, Hollow output shaft and output flange* / Kegelradgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Hohlwelle und Flansch.
KT..04..	*Bevel-Helical type gerboxes, solid input shaft, double output shaft,* Kegelradgetriebe, *Eingang mit Vollwelle,* mit doppelter Ausgangswelle.
KT..05..	*Bevel-helical type gearboxes, IEC B5/B14 flanged input without motor, double output shaft and double output flange* / Kegelradgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flasch.
KT..08..	*Bevel-Helical type geared motors, IEC B5/B14 flanged input with without motor, double hollow output shaft and double flange output.* / Kegelradgetriebemotor,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KT..0S..	*Bevel-Helical gear motors, Solid shaft input without motor, Shrink Disk Output /* Kegelradgetriebe, ohne Motor, Ausgang mit Schrumpfscheibe
KT..0E..	*Bevel-Helical gear motors, Solid shaft input without motor, Extruder Output /* Kegelradgetriebe, ohne Motor, Ausgang mit Extruder.

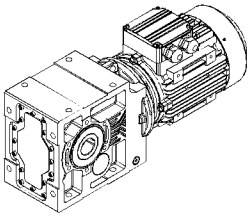
Unit Designation / Typenbezeichnungen

KR..00 	**KT..00** 	**KV..00** 	**KN..00** 
KR..01R 	**KT..01R** 	**KV..01R** 	**KN..01R** 
KR..01L 	**KT..01L** 	**KV..01L** 	**KN..01L** 
KR..02R 	**KT..02R** 	**KV..02R** 	**KN..02R** 
KR..02L 	**KT..02L** 	**KV..02L** 	**KN..02L** 
KR..03R 	**KT..03R** 	**KV..03R** 	**KN..03R** 
KR..03L 	**KT..03L** 	**KV..03L** 	**KN..03L** 
KR..04 	**KT..04** 	**KV..04** 	**KN..04** 
KR..05 	**KT..05** 	**KV..05** 	**KN..05** 
KR..08 	**KT..08** 	**KV..08** 	**KN..08** 

KR..0SR 	KT..0SR 	KV..0SR 	KN..0SR 
KR..0SL 	KT..0SL 	KV..0SL 	KN..0SL 
KR..0ER 	KT..0ER 	KV..0ER 	KN..0ER 
KR..0EL 	KT..0EL 	KV..0EL 	KN..0EL 

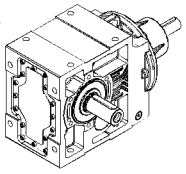
Sample Designations

KR273.00-3E90S/4-L05



K.....*: K serie of gearbox*
R.....*: Direct motor coupled*
2.....*: Gear unit size*
7.....*: Revision number*
3.....*: Stage number*
00.....*: Hollow shaft output*
3.....*: Efficiency class IE3*
E.....: Motor type
90S/4.....*: Motor frame size*
L05.....*: Brake type*

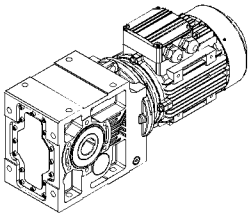
KT373.01L



K.....*: K series of gearbox*
T.....*: Solid input shaft*
3.....*: Gear unit size*
7.....*: Revision number*
3.....*: Stage number*
01.....*: Solid output shaft*
L.....*: Left side output shaft*
R.....*: Right side output shaft*

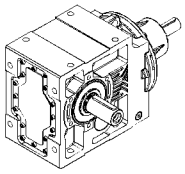
Typenbezeichnungsbeispiele

KR273.00-3E90S/4-L05



K.....: K Serie Getriebe
R.....: Motorverbindung
2.....: Größe von Gehäuse
7.....: Änderungsnummer
3.....: Stufenanzahl (2 stufig)
00.....: Hohlausgangswelle
3.....: Effizienzklasse IE3
E.....: Motortyp
90S/4.....: Motorbaugröße
L05.....: Bremse

KT373.01L



K.....: K Serie Getriebe
T.....: Vollwelleneingang ohne Motor
3.....: Größe der Gehäuse
7.....: Änderungsnummer
3.....: Stufenanzahl
01.....: Vollwelle
L.....: Ausgangswelle-links
R.....: Ausgangswelle-rechts

Geometrically Possible Combinations of Ratios According to Motor Size
Geometrisch mögliche Kombinationen von Übersetzungen nach Motorbaugröße

		Motor Size / Motorbaugröße						
Type Typ	*Stages* Stufen	**63**	**71**	**80**	**90**	**100**	**112**	**132**
KR002..	2	7,46-19,88	7,46-19,88	7,46-19,88	7,46-13,26	-	-	-
KR003..	3	23,79-120,91	23,79-120,91	23,79-29,95 45,41-57,16	23,79-29,95 45,41-57,15	-	-	-
KR102..	2	6,28-25,50	6,28-25,50	6,28-25,50	6,28-17,30	-	-	-
KR103..	3	20,03-129,27	20,03-129,27	20,03-76,13 116,34-129,27	20,03-76,13	-	-	-
KR202..	2	6,38-23,79	6,38-23,79	6,38-23,79	6,38-23,79	6,38-15,26	6,38-10,57	-
KR203..	3	26,31-138,53	26,31-138,53	26,31-119,62	26,31-119,62	26,31-104,49	26,31-72,37	-
KR273..	3	6,94-113,65	6,94-113,65	6,94-113,65	6,94-83,48	6,94-72,92	6,94-50,51	6,94-9,92; 13,34-19,08; 25,55-36,55
KR275..	5	54,40-719,79	54,40-719,79	54,40-719,79	54,40-719,79	-	-	-
KR276..	6	735,5-1759,48	735,5-1759,48	735,42-1759,48	735,42-1759,48	-	-	-
KR283..	3	6,70-10,16; 14,12-21,42; 32,35-143,00	6,70-10,16; 14,12-21,42; 32,35-143,00	6,70-10,16; 14,12-21,42; 32,35-106,33	6,70-10,16; 14,12-21,42; 32,35-106,33	4,92-93,50	4,92-66,00	4,92-49,08
KR284..	4	122,22-353,22	122,22-353,22	122,22-353,22	122,22-353,22	-	-	-
KR285..	5	300,42-1052,64	300,42-1052,64	300,42-1052,64	300,42-1052,64	-	-	-
KR286..	6	820,35-3333,36	820,35-3333,36	820,35-3333,36	820,35-3333,36	-	-	-
KR373..	3	-	7,73-9,97 14,44-21,90 33,65-148,75	7,73-9,97 14,44-21,90 33,65-148,75	7,73-9,97 14,44-21,90 33,65-110,61	5,68-97,26	5,68-68,65	5,68-51,05
KR374..	4	127,14-367,43	127,14-367,43	127,14-367,43	127,14-367,43	-	-	-
KR375..	5	312,5-1094,97	312,5-1094,97	312,5-1094,97	312,5-1094,97	-	-	-
KR376..	6	853,34-3467,39	853,34-3467,39	853,34-3467,39	853,34-3467,39	-	-	-
KR473..	3	-	-	23,76-30,11 60,63-153,47	23,76-30,11 60,63-153,47	7,48-110,95	6,21-97,79	6,21-76,83
KR474..	4	-	160,79-472,63	160,79-472,63	160,79-472,63	160,75-207,41	160,79-181,88	-
KR475..	5	509,34-1767,9	509,34-1767,9	509,34-1767,9	509,34-1767,9	509,34-1142,99	509,34-844,06	-
KR476..	6	2183,54-5226,85	2183,54-5226,85	2183,54-5226,85	2183,54-5226,85	2183,54-3602,83	2183,54-3379,28	-
KR573..	3	-	-	-	-	20,24-25,78 44,73-125,51	20,24-25,78 38,16-109,86	6,91-97,19
KR574..	4	-	117,96-469,74	117,96-469,74	117,96-469,74	117,96-328,56	117,96-158,64 246,42	117,96
KR575..	5	507,09-2236,28	507,09-2236,28	507,09-2236,28	507,09-2236,28	-	-	-
KR576..	6	2328,84-6611,61	2328,84-6611,61	2328,84-6611,61	2328,84-6611,61	-	-	-
KR673..	3	-	-	-	-	80,38-128,24	80,38-128,24	8,31-14,49 18,74-128,24
KR674..	4	-	-	123,38-363,81	123,38-363,81	123,38-363,81	123,38-321,51	123,38
KR675..	5	-	531,08-1875,03	531,08-1875,03	531,08-1875,03	423,90-1875,03	423,90-809,27	423,90-724,08
KR676..	6	-	1884,33-12680,66	1884,33-12680,66	1884,33-12680,66	1884,33-5445,72	1884,33-3844,04	1884,33-2858,39
KR773..	3	-	-	-	-	-	-	11,44-12,89 23,52-26,52 45,36-111,63
KR774..	4	-	-	127,11-396,00	127,11-396,00	127,11-396,00	127,11-396,00	127,11-311,14
KR775..	5	-	547,17-2066,04	547,17-2066,04	547,17-2066,04	436,74-2066,04	436,74-833,78	436,74-655,11
KR776..	6	-	1941,39-15618,73	1941,39-15618,73	1941,39-15618,73	1941,39-5610,63	1941,39-3960,44	1941,39-2944,95
KR873..	3	-	-	-	-	-	-	49,75-115,87
KR874..	4	-	-	-	-	86,63-438,70	86,63-383,99	86,63-339,7
KR875..	5	-	463,83-1891,08	463,83-1891,08	463,83-1891,08	463,83-1891,08	463,83-1671,18	463,83-1313,07
KR876..	6	-	2074,42-12789,19	2074,42-12789,19	2074,42-12789,19	2074,42-11245,67	2074,42-7938,12	2074,42-5902,70
KR973..	3	-	-	-	-	-	-	-
KR974..	4	-	-	-	-	134,57-398,92	134,57-398,92	134,57-398,92
KR975..	5	-	-	715,34-1585,92	715,34-1585,92	460,51-1585,92	460,51-1585,92	361,44-1585,92
KR976..	6	-	-	1985,89-15680,79	1985,89-15680,79	1985,89-8652,97	1985,89-6741,12	1985,89-4189,63

Geometrically Possible Combinations of Ratios According to Motor Size
Geometrisch mögliche Kombinationen von Übersetzungen nach Motorbaugröße

		Motor Size / Motorbaugröße						
Type Typ	*Stages* Stufen	**160**	**180**	**200**	**225**	**250**	**280**	**315**
KR002..	2	-	-	-	-	-	-	
KR003..	3	-	-	-	-	-	-	
KR102..	2	-	-	-	-	-	-	
KR103..	3	-	-	-	-	-	-	
KR202..	2	-	-	-	-	-	-	
KR203..	3	-	-	-	-	-	-	
KR273..	3	-	-	-	-	-	-	
KR275..	5	-	-	-	-	-	-	
KR276..	6	-	-	-	-	-	-	
KR283..	3	4,92-5,74; 10,37-12,10; 23,76-27,74	4,92-5,74; 10,37-12,10; 23,76-27,74	-	-	-	-	
KR284..	4	-	-	-	-	-	-	
KR285..	5	-	-	-	-	-	-	
KR286..	6	-	-	-	-	-	-	
KR373..	3	-	-	-	-	-	-	
KR374..	4	-	-	-	-	-	-	
KR375..	5	-	-	-	-	-	-	
KR376..	6	-	-	-	-	-	-	
KR473..	3	6,21-23,19 ; 25,15 39,11-59,19 ; 64,17	6,21-20,07 39,11-51,22	-	-	-	-	
KR474..	4	-	-	-	-	-	-	
KR475..	5	-	-	-	-	-	-	
KR476..	6	-	-	-	-	-	-	
KR573..	3	6,91-82,14	6,91-67,37	6,91-18,80 30,25-35,34	-	-	-	
KR574..	4	-	-	-	-	-	-	
KR575..	5	-	-	-	-	-	-	
KR576..	6	-	-	-	-	-	-	
KR673..	3	8,31-100,90	8,31-90,21	8,31-68,47	8,31-9,45 16,54-21,32 39,26-44,65	-	-	
KR674..	4	-	-	-	-	-	-	
KR675..	5	423,9-489,82	423,9	-	-	-	-	
KR676..	6	-	-	-	-	-	-	
KR773..	3	7,41-111,63	7,41-99,00	7,41-76,59	7,41-51,13	7,41-51,13	-	
KR774..	4	-	-	-	-	-	-	
KR775..	5	-	-	-	-	-	-	
KR776..	6	-	-	-	-	-	-	
KR873..	3	11,05-13,93 19,26-24,28 34,28-115,87	11,05-13,93 19,26-24,28 34,28-103,24	9,63-81,06	9,63-55,53	9,63-55,53	9,63-43,22	
KR874..	4	86,63-235,47	86,63-235,47	-	-	-	-	
KR875..	5	-	-	-	-	-	-	
KR876..	6	-	-	-	-	-	-	
KR973..	3	14,65-18,73 24,73-31,63 42,86-146,20	14,65-18,73 24,73-31,63 42,86-130,38	11,69-103,87	11,69-71,60	11,69-71,60	11,69-54,80	11,69-54,80
KR974..	4	134,57-181,51	134,57-151,03	-	-	-	-	-
KR975..	5	361,44-715,34	361,44-586,70	-	-	-	-	-
KR976..	6	2348,01	-	-	-	-	-	-

Service Factor

Service Factor (fs) is a safety coefficient, which takes into account the different running conditions of the driven machine.'' fs=1'' is used for uniform loads 8 hours working per day and up to 100 starts per hour.

Service factor depends on:

- *Running time*
- *Nature of load*
- *Frequency of starting*
- *Driver type*
- *Other considerations*

For the right selection of the needed service factor for your machine;
1. Determine the running time of driven machine.
2. Select the nature of load of driven machine (Page 17-18).

U - Uniform loads
M - Moderate loads
H - Heavy shock loads

For a better selection, the nature of load can be calculated from the formulas given (page 18).

3. Determine frequency of starting
4. After determining the above mentioned factors, the service factor can be easily selected from the table given bellow.
5. The selected service factor must be multiplied with the factor ''k'' according to the driver type;

k=1 :Electric motor or Hydrolicmotor
k=1.25 :Multicylinder internal combustion engine
k=1.5 :Single cylinder internal combustion engine

Betriebsfaktor

Der Betriebsfaktor (fs) ist ein Sicherheitsfaktor für die Getriebe, damit sie unter den Betriebsbedingungen sicher arbeiten. ''fs =1'' steht für gleichförmige Belastung, 8 Studen pro Tag und bis zu 100 Schaltungen pro Stunde.

Betriebsfaktor ist abhängig von:

- Betriebsdauer
- Belastungsart
- Schalthäufigkeit
- Antriebsart
- Andere Faktoren

Um den richtigen Betriebsfaktor festzulegen;

1. Betriebsdauer der angetriebenen Maschine bestimmen.
2. Belastungsart der angetriebenen Maschine auswählen.

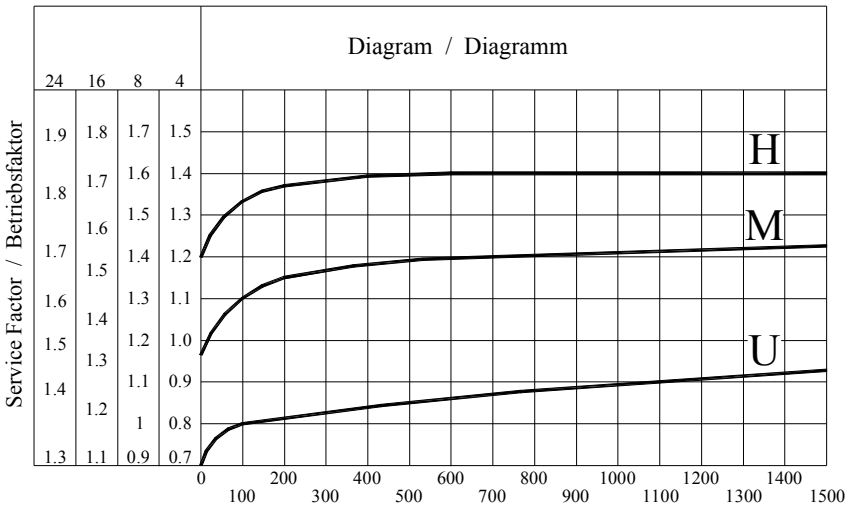
U - Gleichförmige Belastung
M - Ungleichförmige Belastung
H - Stark Ungleichförmige Balastung

Um eine bessere Auswahl zu treffen, können die Belastungsarten mit den angegebenen Formeln (Seite 18) errechnet werden.
3. Schalhäufigkeit bestimmen.
4. Nach Bestimmen der oben angegebenen Werte, können die Betriebsfaktoren von der unten stehenden Tabelle entnommen werden.
5. Der ausgewählte Betriebsfaktor muß mit dem Faktor ''k'' abhängig von der Antriebsart multipliziert werden

k=1 :Elektromotor oder Hydraulikmotor
k=1.25 :Vielzylindermotor

k=1.5 :Einzylindermotor

Operating Time hour / Day
Laufzeit Std. / Tag



Load Classification

Cranes:

U - *Hoist Gears*
- *Lifting Gears*

M - *Defrocking jib Gears*
- *Slowing Gears*

H - *Travelling Gears*

Pumps:

U - *Centrifugal Pumps (light liquids)*
M - *Centrifugal Pumps (semi liquid)*
H - *Pressure Pumps*
- *Plunger Pumps*

Stone and Clay Working Machines:

H - *Hammer Mills*
- *Rotary Kilns*
- *Beater Mills*
- *Breakers*
- *Ball Mills*
- *Brick Presses*
- *Tup Mills*

Textile Machines:

M - *Printing and Dyeing Machines*
- *Looms*
- *Willow*
- *Batchers*
- *Tanning Vats*

Oil Industry:

M - *Pipeline Pumps*
- *Rotary Drilling Equipment*

Food Industry:

M - *Cane Knives*
- *Cane Crushers*
- *Mach Tubs*

H - *Cane Mills*

Laundries:

M - *Tumblers*
- *Washing Machines*

Metal Rolling Mills:

M - *Roller Adjustment Drives*
- *Roller Straightened*
- *Winding Machines*
- *Wire Drawing Benches*

H - *Billet Shears*
- *Rotary Tables (heavy)*
- *Descaling Machines,*
- *Sheet Mills*
- *Manipulators*
- *Cold Rolling Mills*

Belastungsart

Krananlagen:

U - Einziehwerke
- Hubwerke

M - Schwenkwerke
- Wippwerke

H - Fahrwerke

Pumpen:

U - Kreiselpumpen (leichte Flüssigkeit)
M - Kreiselpumpen (zähe Flüssigkeit)
H - Prebpumpen
- Plungerpumpen

Steine und ErdenBearbeitende Masch.

H - Hammermühlen
- Drehöfen
- Schlagmühlen
- Brecher
- Kugelmühlen
- Ziegelpressen
- Rohrmühlen

Textilmaschinen:

M - Druckereien
- Färbereimaschinen
- Aufwickler
- Webstühle
- Gerbfässer
- Reibwölfe

Erdölgewinnung:

M - Pipeline Pumpen
- Rotative Bohranlagen

Nahrungsmittelmaschinen:

M - Rohrschneiden
- Knetmaschinen
- Maischen

H - Rohrmühlen

Wäschereimaschinen:

M - Trommeltrockner
- Waschmaschinen

Wälzwerke:

M - Rollenrichtmaschinen
- Walzenantriebe
- Drahtzuge
- Haspeln

H - Blechscheren
- Rollgänge (schwer)
- Knüppelscheren
- Schöpfscheren
- Stranggubanlagen
- Kaltwälzwerke

Building Machines:

M *- Concreate Mixers*
- Hoist

Paper Machines:

H *- Wet Presses*
- Pulpers
- Drying Cylinders
- Glazing Cylinders

Rubber Machinery:

M *- Calenders*
- Mixers
H *- Extruders*
- Pug Mills
- Rolling Mills

Chemical Industry:

M *- Aggidators (semi- liquit)*
- Drying Drums.
- Mixers and Rolling Mills

Conveyors:

M *- Band Pocket Conveyors*
- Steel Belt Conveyors
- Belt Conveyors
H *- Hoists*
- Bulk Belt Conveyors

Baumaschinen:

M - Betonmischermaschinen
- Bauaufzüge

Papiermaschinen:

H - Naßpressen
- Gautschen
- Trockenzylinder
- Glattzylinder

Kunststoffmaschinen:

M - Kalender
- Mischer
H - Extruder
- Knetwerke
- Wälzwerke

Chemische İndustrie:

M - Rührwerke (leichte Flüssig.)
- Trockentrommeln
- Mischer und Wälzwerke

Förderanlagen:

M - Gurttaschenbecherwerke
- Stahlbandförderer
- Gurtbandförderer (Schüttgut)
H - Schrägaufzüge
- Gurtbandförderer(Stückgut)

U	*Uniform Loads* Gleichförmige Last	$F_i < 0,25$
M	*Moderate Loads* Ungleichförmige Last	$F_i < 3$
H	*Heavy Shock Loads* Stark Ungleichförmige Last	$F_i < 10$

$$J'_{ext} = \frac{J_{ext}}{i^2}$$

$$F_i = \frac{J'_{ext}}{J_{rotor}}$$

J_{ext} : External moments of inertia reduced to the motor shaft
Externes Massenträgheitsmoment reduziert auf Motorwelle

i : Transmission ratio
Übersetzung

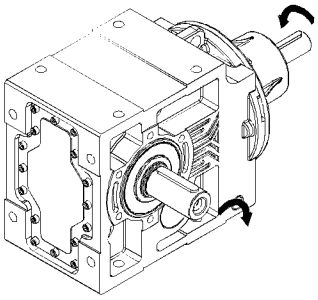
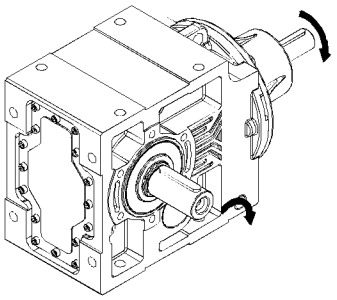
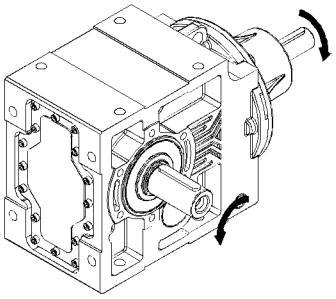
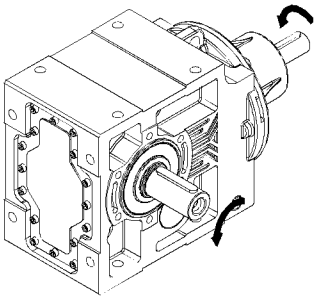
J_{rotor} : Moments of inertia to the motor
Massenträgheitsmoment

Direction of Rotation

K Series direction of rotation of SEVA-tec products are defined as follows. The definitions are also valid for gear units with backstop.

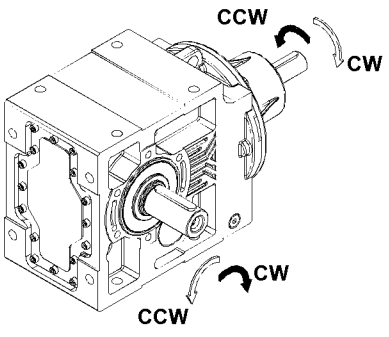
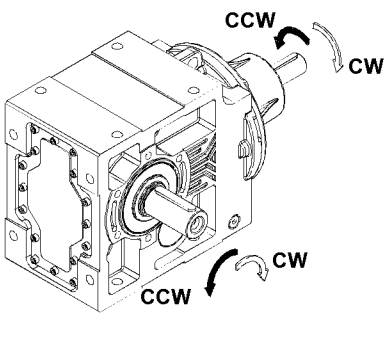
Getriebedrehrichtungen

Die Drehrichtungen für K Serie Getriebe sind wie folgt definiert. Die Definition ist auch bei Getrieben mit Rücklaufsperre gültig.

	3-5 Stages / 3-5 Stufig	*2-4-6 Stages* / 2-4-6 Stufig
Clockwise Rechtslauf **CW**		
Counter Clockwise Linkslauf **CCW**		

Output shaft rotation directions according to the input shaft rotation directions are as follows.

Drehrichtungen der Abtriebswelle im Abhängigkeit von der Antriebswellen sind wie folgendes;

3-5 Stages / 3-5 Stufig	*2-4-6 Stages* / 2-4-6 Stufig
	

Overhung Loads

The permissible overhung loads are calculated by considering working life and is listed on the tables. The given permissible overhung loads F_{qam} are based on f_s=1 and are valid for forces which are applied to the midpoint of the shaft. For shock loading applications the service factor given on the table must take into consideration. The permissible axial load (F_{ama} or F_{ame}) is %25 x (F_{qam} or F_{qem}). The listed permissible overhung loads are based on the worst loading direction. Higher overhung loads can be applied for different loading directions (Please ask if requested). The effective overhung load at the gear box shaft Fq will be determined with the given formulas on page 21.
In Selection ;

$$F_{qa} \le F_{qam}$$
$$F_{qe} \le F_{qem}$$

these formulas must be taken into consideration. If the load is not applied at the midpoint of the shaft; the given permissible load must be corrected with the following formulas.

$$F_{qam}' = F_{qam} \frac{t}{y + u}$$
$$F_{qem}' = F_{qem} \frac{t}{y + u}$$

The values "t","y" can be taken from the below table. The value "u" is the lenght of the application point as shown below.

Querkräfte

Die in den nachfolgenden Tabellen angegebenen zulässigen Radialbelastungen F_{qam} gelten bei Kraftangriff auf die Mitte des Wellenendes. Den Angaben liegt der Betriebsfaktor f_s=1 zu Grunde. Bei stoßartigen Belastungsfällen ist auch hier der entsprechende Betriebsfaktor zu berücksichtigen. Zulässige Axialkräfte F_{ama} oder F_{ame} können ohne weitere Nachrechnung bis zu einer Höhe von ca. 25% der zulässigen Radialbelastung F_{qam} oder F_{qem} aufgenommen werden. Bei der Ermittlung der zulässigen Querkräfte sind höhere Werte möglich (Bitte Rückfragen). Die auftretende Querkraft Fq ab der Getriebewelle wird wie in der nachfolgenden Formel bestimmt.

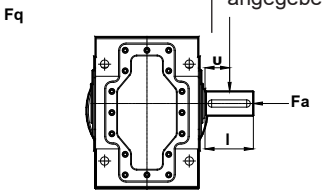
Bei dieser Auswahl;

$$F_{qa} \le F_{qam}$$
$$F_{qe} \le F_{qem}$$

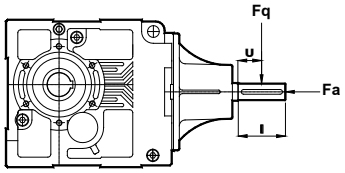
müßen die oben agegebenen Bedingungen berücksichtigt werden.Ist der Kraftangriff nicht auf Wellenmitte, so kann die zulässige Querkraft mit Hilfe der unten stehenden Formel auf jede beliebige Stelle umgerechnet werden.

$$F_{qam}' = F_{qam} \frac{t}{y + u}$$
$$F_{qem}' = F_{qem} \frac{t}{y + u}$$

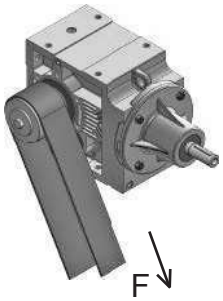
Die Werte "t" und "y" sind in den nacholgenden Tabellen angegeben. Der Wert "u" ist die Stelle des Kraftangriffs wie auf der nächsten Seite angegeben.



KR...01	*Overhung Load correcting values on output shaft* Querkraft auf Ausgangswelle Korrigierungszahlen											
Tip *Type* Typ	**KR..002** **KR..003**	**KR..102** **KR..103**	**KR..202** **KR..203**	**KR..273**	**KR..283**	**KR..373**	**KR..473**	**KR..573**	**KR..673**	**KR..773**	**KR..873**	**KR..973**
t	119	134	156	162	183	199	236	273	344	408	485	556
y	99	104	121	132	143	159	186	213	274	323	380	451
l	40	60	70	60	80	80	100	120	140	170	210	210



KT...	*Overhung load correcting values on input shaft* Querkraft auf Eingangswelle korrigierungszahlen											
Tip *Type* Typ	**KT..002** **KT..003**	**KT..102** **KT..103**	**KT..202** **KT..203**	**KT..273**	**KT..283**	**KT..373**	**KT..473**	**KT..573**	**KT..673**	**KT..773**	**KT..873**	**KT..973**
t	78	78	111	111	126	126	137	158	180	207	220	266.5
y	58	58	86	86	96	96	102	113	130	147	165	206.5
l	40	40	50	50	60	60	70	90	100	120	110	120



Calc. Of Overhung Loads

Radial Load Fq [N] is calculated with the following equations where required moment M [Nm] and hoop or gear diameter D [mm] is used.

Berechnung der Querkräfte

Der Fall der radialen Belastung Fq [N] kann mit den angegebenen Gleichungen berechnet werden. Antriebsmoment M [Nm] und Zahnrad- oder Riemenscheiben Durchmesser D [mm].

1

1. Elastic Coupling
If Elastic Coupling is working in its relaible working area, the overhung loads can be neglected.

1. Elastische Kupplung
Wenn die elastische Kupplung in ihrem zulässigen Arbeitsbereich arbeitet, können die radialen Belastungen vernachlässigt werden.

2

2. For Spur Gear
(Pressure angle 20°)

$$F_q = \frac{2100 \times M_2}{D}$$

2. Stirnradgetriebe
(Angriffswinkel 20°)

$$F_q = \frac{2100 \times M_2}{D}$$

3

3. For Chain Drive With Low Speed (z>17)

$$F_q = \frac{2100 \times M_2}{D}$$

3. Kettenantrieb mit niedriger Geschwindigkeit (z>17)

$$F_q = \frac{2100 \times M_2}{D}$$

4

4. For Trigger Belt

$$F_q = \frac{2500 \times M_2}{D}$$

4. Zahnriemenantrieb

$$F_q = \frac{2500 \times M_2}{D}$$

5

5. For V Belt

$$F_q = \frac{5000 \times M_2}{D}$$

5. Keilriemenantrieb

$$F_q = \frac{5000 \times M_2}{D}$$

6

6. Flat Belt With Spanning Pulley

$$F_q = \frac{5000 \times M_2}{D}$$

6. Flachriemenantrieb mit Spannungstrommel

$$F_q = \frac{5000 \times M_2}{D}$$

Permissible Axial Loads for Extruder Types
Zulässige Axialkräfte für Extruder Typ Getriebe

KRE273				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *hour]* / [Stunde]			
	40000	**20000**	**10000**	**5000**
20	27.0	33.3	41.0	50.5
30	23.9	29.5	36.3	44.7
40	22.0	27.0	33.3	41.0
50	20.5	25.3	31.1	38.4
65	19.0	23.4	28.8	35.5
80	17.8	22.0	27.0	33.3
100	16.7	20.5	25.3	31.1
120	15.8	19.4	23.9	29.5
140	15.1	18.6	22.9	28.2
160	14.5	17.8	22.0	27.0
180	14.0	17.2	21.2	26.1
200	13.5	16.7	20.5	25.3
220	13.2	16.2	20.0	24.6
240	12.8	15.8	19.4	23.9
260	12.5	15.4	19.0	23.4
280	12.2	15.1	18.6	22.9
300	12.0	14.8	18.2	22.4
320	11.8	14.5	17.8	22.0

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KRE283				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	**20000**	**10000**	**5000**
20	104.8	129.0	158.8	195.6
30	92.7	114.2	140.6	173.2
40	85.1	104.8	129.0	158.8
50	79.6	98.0	120.6	148.5
65	73.5	90.5	111.5	137.3
80	69.1	85.1	104.8	129.0
100	64.6	79.6	98.0	120.6
120	61.2	75.3	92.7	114.2
140	58.4	71.9	88.5	109.0
160	56.1	69.1	85.1	104.8
180	54.2	66.7	82.1	101.1
200	52.5	64.6	79.6	98.0
220	51.0	62.8	77.3	95.2
240	49.7	61.2	75.3	92.7
260	48.5	59.7	73.5	90.5
280	47.4	58.4	71.9	88.5
300	46.5	57.2	70.4	86.7
320	45.6	56.1	69.1	85.1

Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KRE373				
n_2	F_{ama} [kN]			
	Ömür / *Lifetime* / Lebensdauer **Lh [saat]** / *[hour]* / [Stunde]			
	40000	**20000**	**10000**	**5000**
20	104.8	129.0	158.8	195.6
30	92.7	114.2	140.6	173.2
40	85.1	104.8	129.0	158.8
50	79.6	98.0	120.6	148.5
65	73.5	90.5	111.5	137.3
80	69.1	85.1	104.8	129.0
100	64.6	79.6	98.0	120.6
120	61.2	75.3	92.7	114.2
140	58.4	71.9	88.5	109.0
160	56.1	69.1	85.1	104.8
180	54.2	66.7	82.1	101.1
200	52.5	64.6	79.6	98.0
220	51.0	62.8	77.3	95.2
240	49.7	61.2	75.3	92.7
260	48.5	59.7	73.5	90.5
280	47.4	58.4	71.9	88.5
300	46.5	57.2	70.4	86.7
320	45.6	56.1	69.1	85.1

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KRE473				
n_2	F_{ama} [kN]			
	Ömür / *Lifetime* / Lebensdauer **Lh [saat]** / *[hour]* / [Stunde]			
	40000	**20000**	**10000**	**5000**
20	134.5	165.6	203.9	251.1
30	119.0	146.6	180.5	222.3
40	109.2	134.5	165.6	203.9
50	102.1	125.7	154.8	190.7
65	94.4	116.2	143.1	176.2
80	88.7	109.2	134.5	165.6
100	82.9	102.1	125.7	154.8
120	78.5	96.7	119.0	146.6
140	75.0	92.3	113.7	140.0
160	72.0	88.7	109.2	134.5
180	69.5	85.6	105.4	129.8
200	67.3	82.9	102.1	125.7
220	65.4	80.6	99.2	122.2
240	63.8	78.5	96.7	119.0
260	62.2	76.6	94.4	116.2
280	60.9	75.0	92.3	113.7
300	59.6	73.4	90.4	111.3
320	58.5	72.0	88.7	109.2

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

Permissible Axial Loads for Extruder Types
Zulässige Axialkräfte für Extruder Typ
Getrieben

KRE573				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	20000	10000	5000
20	172.0	211.8	260.8	779.6
30	152.3	187.5	230.9	715.9
40	139.7	172.0	211.8	673.9
50	130.6	160.8	198.1	643.1
65	120.7	148.7	183.0	608.6
80	113.4	139.7	172.0	582.6
100	106.1	130.6	160.8	555.9
120	100.4	123.7	152.3	535.0
140	95.9	118.1	145.4	518.0
160	92.1	113.4	139.7	503.6
180	88.9	109.5	134.8	491.3
200	86.1	106.1	130.6	480.6
220	83.7	103.1	126.9	471.0
240	81.5	100.4	123.7	462.5
260	79.6	98.0	120.7	454.8
280	77.9	95.9	118.1	447.8
300	76.3	93.9	115.6	441.3
320	74.8	92.1	113.4	435.4

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KRE673				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	20000	10000	5000
20	209.5	258.0	317.7	391.2
30	185.5	228.4	281.3	346.4
40	170.1	209.5	258.0	317.7
50	159.1	195.9	241.3	297.1
65	147.1	181.1	223.0	274.6
80	138.2	170.1	209.5	258.0
100	129.2	159.1	195.9	241.3
120	122.3	150.6	185.5	228.4
140	116.8	143.8	177.1	218.1
160	112.2	138.2	170.1	209.5
180	108.3	133.4	164.2	202.2
200	104.9	129.2	159.1	195.9
220	102.0	125.6	154.6	190.4
240	99.3	122.3	150.6	185.5
260	97.0	119.4	147.1	181.1
280	94.8	116.8	143.8	177.1
300	92.9	114.4	140.9	173.5
320	91.1	112.2	138.2	170.1

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KR773				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	20000	10000	5000
20	350.2	431.3	531.1	653.9
30	310.1	381.8	470.2	579.0
40	284.4	350.2	431.3	531.1
50	266.0	327.5	403.3	496.6
65	245.8	302.7	372.8	459.0
80	231.0	284.4	350.2	431.3
100	216.0	266.0	327.5	403.3
120	204.5	251.8	310.1	381.8
140	195.2	240.4	296.0	364.5
160	187.6	231.0	284.4	350.2
180	181.0	222.9	274.5	338.0
200	175.4	216.0	266.0	327.5
220	170.5	209.9	258.5	318.3
240	166.1	204.5	251.8	310.1
260	162.1	199.6	245.8	302.7
280	158.5	195.2	240.4	296.0
300	155.3	191.2	235.5	290.0
320	152.3	187.6	231.0	284.4

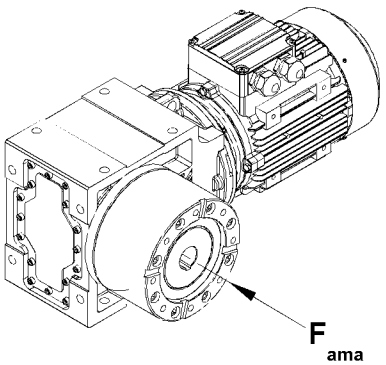
n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KRE873				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	20000	10000	5000
20	403.4	496.7	611.7	753.2
30	357.1	439.8	541.5	666.9
40	327.6	403.4	496.7	611.7
50	306.3	377.2	464.5	572.0
65	283.1	348.7	429.3	528.7
80	266.0	327.6	403.4	496.7
100	248.8	306.3	377.2	464.5
120	235.5	290.0	357.1	439.8
140	224.9	276.9	341.0	419.9
160	216.0	266.0	327.6	403.4
180	208.5	256.8	316.2	389.4
200	202.0	248.8	306.3	377.2
220	196.3	241.8	297.7	366.6
240	191.3	235.5	290.0	357.1
260	186.7	229.9	283.1	348.7
280	182.6	224.9	276.9	341.0
300	178.9	220.3	271.2	334.0
320	175.4	216.0	266.0	327.6

n_2 :*Output Speed [rpm]*
Abtriebsdrehzahl [U/min]

KRE973				
n_2	F_{ama} [kN]			
	Lifetime / Lebensdauer *[hour]* / [Stunde]			
	40000	20000	10000	5000
20	519.1	639.2	787.1	969.2
30	459.6	565.9	696.9	858.1
40	421.5	519.1	639.2	787.1
50	394.2	485.4	597.8	736.1
65	364.3	448.7	552.5	680.3
80	342.3	421.5	519.1	639.2
100	320.1	394.2	485.4	597.8
120	303.1	373.2	459.6	565.9
140	289.4	356.3	438.8	540.3
160	278.0	342.3	421.5	519.1
180	268.3	330.4	406.9	501.0
200	260.0	320.1	394.2	485.4
220	252.6	311.1	383.1	471.7
240	246.1	303.1	373.2	459.6
260	240.3	295.9	364.3	448.7
280	235.0	289.4	356.3	438.8
300	230.2	283.4	349.0	429.8
320	225.8	278.0	342.3	421.5

n_2 : *Output Speed [rpm]*
Abtriebsdrehzahl [U/min]



Equivalent Power Rating Calculation

The equivalent power by an equivalent constant torque can be calculated for gearboxes working in constant speed but variable torques (or powers). Using this equivalent power it is possible to make a gearbox selection according the usual gearbox selection method with constant torques. The equivalent torque will be determined according the mean of dominating torques. The gearbox working in constant equivalent torque will theoretically have the same lifetime and safety compared to the variable torque one.
To calculate the equivalent torques, the variable torques in a cycle must be sorted from the maximal to the minimal on a horizontal time line (Check the graphic below). According to the graphic below the equivalent torque can be calculated with the following formula;

$$T_e = \left(\frac{\Delta t_1 \times T_1^{6.6} + ... + \Delta t_n \times T_n^{6.6}}{t}\right)^{\left(\frac{1}{6.6}\right)}$$

If T_n (the lowest torque) is lower than 50 % of T_e ,this torque part must be taken out of the torque graph and the calculation must be repeated;

If $T_n < T_e \times 0.5$ *then*

$$T_e = \left(\frac{\Delta t_1 \times T_1^{6.6} + ... + \Delta t_{n-1} \times T_{n-1}^{6.6}}{t - \Delta t_n}\right)^{\left(\frac{1}{6.6}\right)}$$

If all T_n values are higher then 50% of T_e then the equivalent power can be calculated by the following formula;

$$P_{eq} = P_N = \frac{T_e \times n}{9550}$$

After the equivalent power is determined the selection of gearbox is made according to the selection procedures given on the gearbox selection part in this catalogue.

Berechnung äquivalenter Leistung

Die äquivalente Leistung bei äquivalentem Drehmoment kann für Getriebe mit konstanter Drehzahl und variablen Momenten berechnet werden. Mit dieser Leistung kann das Getriebe ausgelegt werden, wie bei konstanter Leistung. Man bestimmt hiermit also die maßgebende Belastung. Das ausgelegte Getriebe erreicht theoretisch die gleiche Lebensdauer und hat die gleiche Sicherheit.
Für die Berechnung des äquivalenten Drehmoment s müssen die einzelnen Drehmomentanteile auf eine Zeitachse von größten bis zu kleinsten angeordnet werden (siehe unteres Bild). Das äquivalente Drehmoment wird nach folgender Formel berechnet;

$$T_e = \left(\frac{\Delta t_1 \times T_1^{6.6} + ... + \Delta t_n \times T_n^{6.6}}{t}\right)^{\left(\frac{1}{6.6}\right)}$$

Wenn T_n (niedrigstes Drehmoment) kleiner als 50% von T_e ist, muss dieser Anteil vernachlässigt werden und die Berechnung soll neu durchgeführt werden;

Wenn $T_n < T_e \times 0.5$ dann

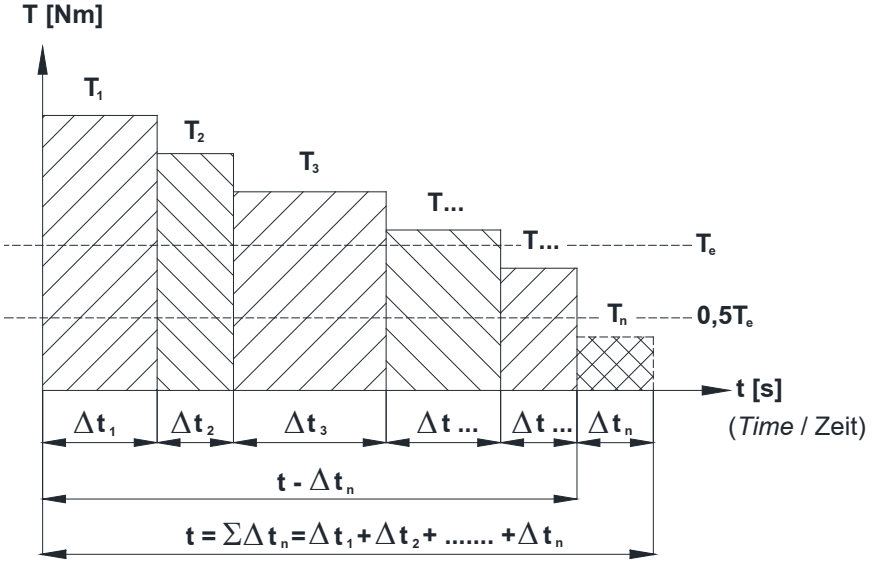
$$T_e = \left(\frac{\Delta t_1 \times T_1^{6.6} + ... + \Delta t_{n-1} \times T_{n-1}^{6.6}}{t - \Delta t_n}\right)^{\left(\frac{1}{6.6}\right)}$$

Wenn alle T_n Werte höher als 50% von T_e sind, dann wird die äquivalente Leistung nach folgender Formel berechnet;

$$P_{eq} = P_N = \frac{T_e \times n}{9550}$$

Nach Bestimmung der äquivalenten Leistung, erfolgt die Getriebeauslegung wie bei konstanter Leistung. Die Auswahlverfahren für konstante Leistung ist in diesem Katalog angegeben.

(*Torque* / Moment)



Equivalent Power Rating Sample

The following data is given for a reversing blooming mill;

Torque steps:
Total one cycle time: 2 min.
1st torque part: 48 kNm, 30 s
2nd torque part: 32 kNm, 22 s
3th torque part: 28 kNm, 15 s
4th torque part: 16 kNm, 10 s
5th torque part: 5 kNm, 43 s
Machine constant speed: 50 rpm
The equivalent power, which is required for gear unit selection, is to determine.

Solution:
Total time in a cycle;

$$t = t_1 + t_2 + t_3 + t_4 + t_5 = 120\ sn$$

Equivalent Torque;

$$T_e = \left(\frac{30 \times 48^{6,6} + \ldots + 43 \times 5^{6,6}}{120}\right)^{\left(\frac{1}{6,6}\right)}$$

=39,2 kNm

50% of Equivalent torque;

$$0,5 \times T_e = 19,6kNm$$

Every torque part must be lower then this value;

$$T_{4,5} < 0,5 \times T_e$$

We are repeating the calculation by taking out the torque parts, which are below 50%;

$$t' = t_1 - t_4 - t_5 = 120 - 43 - 10 = 67s$$

$$T_e = \left(\frac{30 \times 48^{6,6} + 22 \times 32^{6,6} + 15 \times 28^{6,6}}{67}\right)^{\frac{1}{6,6}}$$

=42,9 kNm

By using the equivalent torque and constant speed we calculate the equivalent power;

$$P_{eq} = \frac{T_e \times n}{9550} = \frac{42,9 \times 1000 \times 50}{9550} = 225kW$$

Now by using the above calculated equivalent power and constant speed we camake the gear-box selection with the procedures described in this catalogue.

Beispiel für äquivalente Leistung

Die nachfolgenden Angaben sind für eine Blechreversierwalze;

Drehmoment stufen:
Gesamte Zeit für einem Arbeitszyklus: 2 min.
Drehmomentanteil 1: 48 kNm 30 s
Drehmomentanteil 2: 32 kNm 22 s
Drehmomentanteil 3: 28 kNm 15 s
Drehmomentanteil 4: 16 kNm 10 s
Drehmomentanteil 5: 5 kNm 43 s
Maschine hat konstante Drehzahl: 50 U/min
Gesucht ist die äquivalente Leistung, die für die Getriebeauslegung nötig ist.

Lösung:
Gesamte Zeit für einen Arbeitszyklus;

$$t = t_1 + t_2 + t_3 + t_4 + t_5 = 120\ sn$$

Äquivalentes Drehmoment;

$$T_e = \left(\frac{30 \times 48^{6,6} + \ldots + 43 \times 5^{6,6}}{120}\right)^{\left(\frac{1}{6,6}\right)}$$

=39,2 kNm

50% von äquivalentem Drehmoment;

$$0,5 \times T_e = 19,6kNm$$

Drehmomentanteile müssen größer als dieser Wert sein;

$$T_{4,5} < 0,5 \times T_e$$

Wir wiederholen die Berechnung nochmals ohne die kleinen Drehmomentanteile;

$$t' = t_1 - t_4 - t_5 = 120 - 43 - 10 = 67s$$

$$T_e = \left(\frac{30 \times 48^{6,6} + 22 \times 32^{6,6} + 15 \times 28^{6,6}}{67}\right)^{\frac{1}{6,6}}$$

=42,9 kNm

Mit Hilfe von äquivalentem Drehmoment und konstanter Drehzahl berechnet man die äquivalente Leistung;

$$P_{eq} = \frac{T_e \times n}{9550} = \frac{42,9 \times 1000 \times 50}{9550} = 225kW$$

Nach Bestimmung der äquivalenten Leistung und konstanter Drehzahl, erfolgt die Getriebeauslegung dann wie die Getriebeauswahl gemäß dem in diesem Katalog beschriebenen Verfahren für konstante Leistung.

Gearbox Selection

For the correct selection of the appropriate gear units follow this steps.

1.Determine service factor (fs) on the basis of running conditions (Page 16).

2. Determine the required Torque M_2 (required output torque of gearbox) for the driven machine.
3. Determine required speed (output speed of gearbox) for the driven machine.

4. Calculate the required power for your machine(Calculate power ''P_2'' required at output side of gear reducer using the formula);

$$P_2 = \frac{M_2 \times n_2}{9550}$$

5. Calculate overhung load required at output shaft according to type of connection between gear unit and machine (Refer to directions and values given on page 20). After determining the above mentioned values, the gear reducer which corresponds to our requirements can be selected from the performance tables (the service factor and the permissible overhung load should be less than or equal to our requirement). For Helical gears the output power is not given on the performance tables because they have high efficiency and the output power can be taken as input power. The output torque should be checked if it meets to our requirements. If the output torque is low, search for a higher input power gearbox.

Example:
1. Machine Type:
Belt Conveyor (Bulk Load)

2. Required Torque:
Required Torque calculated for the driven machine is M_2=470 Nm.

3. Required speed:
n_2 = 50 rpm

4. Running time:
16 hours per day

5. Frequency of starting:
1 start per hour

6. Connection type between gear reducer
Chain drive (output dimension-160 mm)

- From the load classification table (on page 17-18), the load class M can be selected for the known application.
- The service factor can be selected as fs =1,3 from the service factor table (page 16) by taking into consideration 16 hours running time, one start per hour, and load class M.

-Required power for your machine(Power at output side of gear reducer) :

$$P_2 = \frac{M_2 \times n_2}{9550} = \frac{470 \times 50}{9550} = 2,46\,kW$$

Getriebeauswahl

Für die korrekte Auswahl des Antriebes;

1. Den Betriebsfaktor(fs) in Abhängigkeit von den Betriebsbedingungen bestimmen.(Bezug auf seite 16).

2. Das erforderte Drehmoment M_2 für die angetriebene Maschine (Abtriebsdrehmoment für die Getriebe) bestimmen.
3. Erforderte Drehzahl bestimmen (Abtriebsdrehzahl für die Getriebe).

4. Berechnen der erforderten Leistung der angetriebenen Maschine (Die an der Abtriebswelle erforderte Leistung''P_2'') mit der unten angegebenen Formel.

$$P_2 = \frac{M_2 \times n_2}{9550}$$

5. Die an der Getriebeabtriebswelle erforderte Querkraft in Abhängigkeit von Antriebselement bestimmen (Bezug auf Seite 20). Nach Bestimmen der oben angegebenen Werte, kann das passende Getriebe von den angegebenen Leistungstabellen entnommen werden. Dabei soll darauf geachtet werden, dass der Betriebsfaktor und Querkraft stets unterhalb der angegebenen Werten liegt. Weil Stirnradgetriebe einen hohen Wirkungsgrad haben, sind die Abtriebsleistungen für Stirnradgetriebe nicht angegeben. Bei diesen Getrieben kann die erforderte Leistung als Antriebsleistung benutzt werden. Achten Sie darauf, dass das Abtriebsmoment größer als das erforderte Drehmoment ist.

Beispiel:
1. Maschinentyp:
Gurtbandförderer (Schüttgut)

2. Erfordertes Drehmoment:
Für die Machine berechnetes Drehmoment
M_2 = 470 Nm.

3. Erforderte Drehzahl:
n_2 = 50 upm

4. Betriebsdauer:
16 Stunden pro Tag

5. Schalthäufigkeit:
1 Start pro Stunde

6. Antriebselement für Verbindung
Getriebe-Maschine:Kettentrieb
(Durchmesser-160 mm)

- Von den Belastungsart-Tabellen(Seite 17-18) nimmt man Belastungsart M

- Für die Schaltungzahl 1 und die Laufzeit16 und für die passende Belastungsart erhält man Betriebsfaktor fs =1,3 von Tabelle auf Seite 16.

-Erforderte Leistung der angetriebenen Maschine (Die an der Getriebeabtriebswelle erforderte Leistung)

$$P_2 = \frac{M_2 \times n_2}{9550} = \frac{470 \times 50}{9550} = 2,46\,kW$$

- For chain drive application the requested overhang load can be calculated from (page 21);

$$F_q = \frac{2100 \times M_2}{D} = \frac{2100 \times 470}{130} = 7592\ N$$

- The required gearbox is as follows:

$P_2 \geq$ 2,46 kW
$M_2 \geq$ 470 Nm
fs ≥ 1.3
$n_2 \approx$ 50 rpm
Fq ≥ 7592 N

From the performance table,

***KR373-3E100L/4D** selected (Page 75).*

P_2=3kW > 2,46 kW
M_2= 537 Nm > 470 Nm
fs=1,5
n_2=50 d/dak
fq=14875 Nm > 7592 Nm
i=28,85

- Für Kettentrieb die erforderte Querkraft (seite 21);

$$F_q = \frac{2100 \times M_2}{D} = \frac{2100 \times 470}{130} = 7592\ N$$

- Von den oben angegebenen Berechnungen ist das erforderte Getriebe wie folgt;

$P_2 \geq$ 2,46 kW
$M_2 \geq$ 470 Nm
fs ≥ 1.3
$n_2 \approx$ 50 U/min
Fq ≥ 7592 N

Von der Leistung- Drahzahl-Tabelle,

wurde **KR373-3E100L/4D** gewählt (Seite 75).

P_2=3kW > 2,46 kW
M_2= 537 Nm > 470 Nm
fs=1,5
n_2=50 d/dak
fq=14875 Nm > 7592 Nm
i=28,85

Notes / Notizen

Gearbox Selection Form

Field of Industry.....
Application.....
Required Average Speed..... rpm

Required Power on Driven Machine:
-Normal..... kW
-Maximum..... kW
-Minimum..... kW

Driving Machine:
AC Motor [ ]
AC Motor + Inverter [ ]
DC Motor [ ]
Hydraulic Motor [ ]
Piston Engine with 1-3 cylinder [ ]
Piston Engine with 4-24 cylinder [ ]

Motor Connection Type (Electric Motors):
IEC B5 Flange [ ]
NEMA Flange [ ]

IEC or NEMA Flange Code.....

Motor Power:
-Nominal.....kW

Motor Speed:
-Normal.....rpm
-Maximum.....rpm
-Minimum.....rpm

Motor Torque:
-Normal.....Nm
-Maximum.....Nm
-Minimum.....Nm

Direction of Rotation:
cw [ ] ccw [ ] variable [ ]

Working hours per day:
<4 [ ] 4-8 [ ] 8-16 [ ] >16 [ ]

Startings per cycle:
0-50 [ ] 50-100 [ ] 100-200 [ ]
200-300 [ ] 300-500 [ ] 500-700 [ ]
700-1000 [ ] >1000 [ ]

Transmission ratio between motor and gear unit.....

Required Starting Torque.....Nm

Peak torques per hour:
1-5 [ ] 6-30 [ ] 31-100 [ ] >100 [ ]

Effective working time in a cycle (ED):
%100 [ ] %80 [ ] %60 [ ] 40% [ ]
20%[ ]

Altitude:
<1000 [ ] <2000 [ ] <3000 [ ]
<4000 [ ] <5000 [ ]

Mounting Place:
Small closed room (w<1m/sn) [ ]
Closed room (w<3m/sn) [ ]
Big rooms and halls (w>=3m/sn) [ ]
Outdoor [ ]

Ambient Conditions:
Normal [ ] Dusty [ ] Humid [ ]
Corrosive [ ] Dry [ ]

Ambient Temperature:
Average.....^{0}C
Maximum.....^{0}C
Minimum.....^{0}C

Backstop Required:
Yes [ ] No [ ]

Gearbox input options:
R..[ ] V..[ ] N..[ ] T..[ ]

Gearbox output options:
00 [ ] 01 [ ] 02 [ ] 03 [ ] 04 [ ] 05 [ ] 08 [ ]
0S [ ] 0E [ ]

Mounting Position:

M1 [ ] M2 [ ] M3 [ ] M4 [ ] M5 [ ] M6 [ ]

Input Shaft Connection Type:
Elastic Coupling [ ]
Barrel Type Coupling [ ]
Hydraulic Coupling [ ]
Rigid Flange Coupling [ ]
Pulley [ ]
Chain Sprocket [ ]
Pinion [ ]
Diameter of Connection element.....mm
Radial Load.....N
“u” Distance of Radial Load.....mm
Axial Load (Towards Shaft) .....N

Output Shaft Connection Type:
Elastic Coupling [ ]
Barrel Type Coupling [ ]
Rigid Flange Coupling [ ]
Pulley [ ]
Chain Sprocket [ ]
Pinion [ ]
Hollow Shaft with Torque Arm [ ]
Schrinc disc with Torque Arm [ ]
Diameter of Connection Element.....mm
Radial Load.....N
“u” Distance of Radial Load.....mm
Axial Load (Towards Shaft) .....N

Gearbox assembled by:
Foot [ ] Flange [ ] Torque Arm [ ]

Output Shaft Specification:
Solid Shaft with Keyway [ ]
Solid Shaft without Keyway [ ]
Hollow Shaft with Shrinc Disc [ ]
Hollow Shaft [ ]
Special Shaft [ ]

Input Shaft Specification:
Solid Shaft with Keyway [ ]
Solid Shaft without Keyway [ ]
Special Shaft [ ]
Torque arm required Yes[ ] No[ ]

Electrical Supply:
AC-1 Phase [ ] AC-3 Phase [ ] DC [ ]
Voltage.....Volt
Frequency..... Hz

Protection Class:
IP55 [ ] IP65 [ ] Exproof [ ]
Other IP.....

Attachments:
Load Diagram [ ]
Project [ ]
Required Dimensions [ ]
Technical Specifications [ ]

Notes:

Formular für Getriebeauswahl

Industriebereich.....
Anwendung.....
Erforderliche Drehzahl.....U/min

Erforderliche Leistung für die Maschine:
-Normal.....kW
-Minimal.....kW
-Maximal.....kW

Antriebsmaschine:
AC Motor [ ]
AC Motor mit Frequenzumrichter [ ]
DC Motor [ ]
Hydromotor [ ]
Kolbenmaschinen mit 1-3 Zylinder [ ]
Kolbenmaschinen mit 2-4 Zylinder [ ]

Motorverbindungsart (Elektromotoren):
IEC B5 Flansch [ ]
NEMA Flansch [ ]

IEC oder NEMA Flanschkode.....

Motorleistung:
-Nominal.....kW

Motordrehzahl:
-Normal.....U/min
-Maximal .....U/min
-Minimal.....U/min

Motordrehmoment:
-Normal.....Nm
-Maximal.....Nm
-Minimal.....Nm

Drehrichtung:
in Uhrzeigersinn [ ] gegen Uhrzeigersinn[ ]
veränderlich [ ]

Betriebsdauer in Stunden pro Tag:
<4 [ ] 4-8 [ ] 8-16 [ ] >16 [ ]

Anzahl der Anläufe pro Stunde:
0-50 [ ] 50-100 [ ] 100-200 [ ]
200-300 [ ] 300-500 [ ] 500-700 [ ]
700-1000 [ ] >1000 [ ]

Übersetzung zwischen Motor und Antriebswelle.....

Erforderliches Anlaufmoment.....Nm

Häufigkeit von Lastspitzen pro Stunde:
1-5 [ ] 6-30 [ ] 31-100 [ ] >100 [ ]

Einschaltdauer je Stunde (ED):
%100 [ ] %80 [ ] %60 [ ] 40% [ ] %20 [ ]

Höhenlage über Meeresspiegel (m):
<1000 [ ] <2000 [ ] <3000 [ ]
<4000 [ ] <5000 [ ]

Betriebsort:
Kleine geschlossene Räume (w<1m/sn) [ ]
Geschlossene Räume (w<3m/sn) [ ]
Große Räume und Hallen (w>=3m/sn) [ ]
im Freien [ ]

Umgebungsbedingungen:
Normal [ ] Staubig [ ] Feucht [ ]
Korrodierend [ ] Trocken [ ] Verklebend [ ]

Umgebungstemperatur:
Mittelwert ..... ^{0}C
Maximal.....^{0}C
Minimal.....^{0}C

Rücklaufsperre erforderlich:
Ja [ ] Nein [ ]

Getriebeeingangsvarianten:
R..[ ] V..[ ] N..[ ] T..[ ]

Getriebeausgangsvarianten:
00 [ ] 01 [ ] 02 [ ] 03 [ ] 04 [ ] 05 [ ] 08 [ ]
0S [ ] 0E [ ]

Montageposition:
M1 [ ] M2 [ ] M3 [ ] M4 [ ] M5 [ ] M6 [ ]

Antriebswellenanschluss:
Elastische Kupplung [ ]
Trommelkupplung [ ]
Hydrokupplung [ ]
Starre Flanschkupplung [ ]
Riementrieb [ ]
Kettenrad [ ]
Ritzel [ ]
Durchmesser von Anschlusselement.....mm
Querkraft.....N
“u” Abstand von der Wellenschulter.....mm
Axialkraft (in Richtung der Welle +) .....N

Abtriebswellenanschluss:
Elastische Kupplung [ ]
Trommelkupplung [ ]
Starre Flanschkupplung [ ]
Riementrieb [ ]
Kettenrad [ ]
Ritzel [ ]
Hohlwelle mit Drehmomentstütze [ ]
Schrumpfscheibe mit Drehmomentstütze [ ]
Durchmesser von Anschlusselement.....mm
Querkraft.....N
“u” Abstand von der Wellenschulter.....mm
Axialkraft (in Richtung der Welle +) .....N

Montage zur Getriebegehäuse mit:
Fuß [ ] Flansch [ ] Drehmomentstütze [ ]

Eigenschaften der Abtriebswelle:
Vollwelle mit Passfeder [ ]
Vollwelle ohne Passfeder [ ]
Hohlwelle mit Schrumpfscheibe [ ]
Hohlwelle [ ]
Sonderwelle

Eigenschaften der Antriebswelle:
Vollwelle mit Paßfeder [ ]
Vollwelle ohne Paßfeder [ ]
Sonderwelle [ ]
Drehmomentstütze erforderlich Ja[ ] Nein[ ]

Spannungsversorgung:
AC-1 phasig [ ] AC-3 phasig [ ] DC [ ]
Spannung.....Volt
Frequenz.....Hz

Schutzart:
IP55 [ ] IP65 [ ] Exproof [ ]
Andere IP.....

Anhang:
Lastdiagramm [ ]
Projekt [ ]
Erforderliche Abmessungen [ ]
Technische Spezifikationen [ ]

Andere Merkmale:

Lubrication

To work in perfect condition and to have long life for the gear box the lubricant must be chosen correctly and changed in time.

In selection of oil it is important to consider speed, ambient temparature, gear box oil temparature, working conditions and the life required from the lubricant. All units are filled with lubricant before shipping. Before the gearbox is stored for a long time or before starting up, the top plug (according to the working position) must be removed and the extra given vent plug must be replaced. This prevents excessive pressure which causes oil leakages.

The lubricant in the standard line is given for standard fillings on the table on page 33. Please look at your gear units label for filled oil type and quantity. The foot mounting type gear boxes and where the flange mounted gear boxes are filled for mounting position of M1. For other mounting positions please refer to the table given on the next pages. For special working conditions please contact us.

The mineral lubricant should be changed after every 10.000 service hours and the synthetic lubricant should be changed after every 20.000 working hours. If the operation conditions are very heavy (e.g. high temperature differences, high humidity) shorter intervals between changes are recommended. Mineral and synthetic oils must not be mixed up. By changing the lubricant complete cleaning is advised. The oil change should be done after a working period. Because oil is hot in this condition and impurities are mixed with it the changing of oil will be done in best result and the oil will drain easily.

Schmierung

Um eine lange Lebensdauer zu gewährleisten, muss der Schmierstoff richtig ausgewählt werden.

Für die richtige Ölauswahl müssen Drehzahl, Umgebumgstemperatur, Belastungsart und Lebensdauer des Öls berücksichtigt werden. Die mitgelieferte Entlüftungsschraube ist vor Inbetriebnahme oder längerem Lagern gegen die Einfüllschraube auszutauschen, um einen Überdruck im Getriebe und damit eine Undichtigkeit des Getriebes zu vermeiden. Getriebe und Getriebemotoren sind bei Auslieferung betriebsfertig gefüllt.

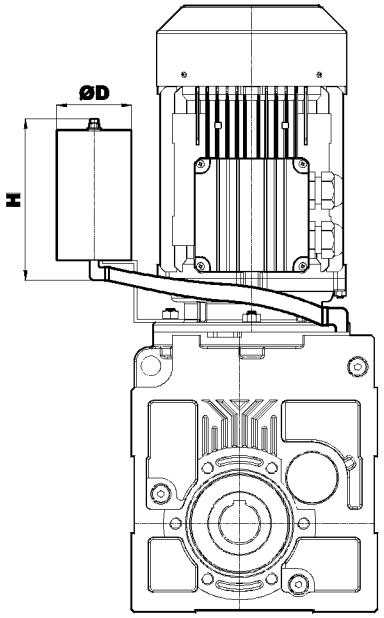
Ohne besondere Bestellangaben werden die Getriebe grundsätzlich mit den auf der Seite 33 in der grau unterlegten Spalte angegebenen Schmierstoffen gefüllt. Bitte im Getriebe verwendetes Öl und Menge von dem Namensschild ablesen. Die fußbefestigten Getriebe sind befüllt für Bauform und die flanschbefestigten Getriebe für Bauform M1. Für andere Bauformen sind die auf der nächsten Seite agegebenen Füllmengen zu beachten.

Ein Schmierstoffwechsel sollte alle 10.000 Betriebsstunden durchgeführt werden. Für synthetische Produkte verdoppeln sich diese Fristen. Bei extremen Betriebsbedingungen, z.B. hohe Luftfeuchtigkeit, aggresive Umgebung und hohe Temparaturschwankungen sind kürzere Schmierstoffintervalle vorteilhaft. Es ist empfehlenswert, den Schmierstoffwechsel mit einer gründlichen Reinigung des Getriebes zu verbinden. Synthetische und mineralische Schmierstoffe dürfen nicht miteinander vermischt werden. Das Ablassen des Öls soll unmittelbar nach dem Stillsetzen erfolgen, solange das Öl noch warm ist. In diesem Zustand ist das Öl mit den Schmutzpartikeln vermischt, so dass eine Entfernung des Altöls eine gute Reinigung garantiert.

Expansion Tank for M4 Mounting Position / Ölausgleichsbehälter für M4 Bauform

*As you can see at the technical drawing below, for gear units with **M4** (mounting positions p. 34) mounting position, oil level is very high for proper lubrication of upper pinion gear and this leads to oil leakage from venting plug, because of foaming and expansion of oil at geared motors with ratios below 20.*
*We ; SEVA-tec , strongly recommend using expansion tank for **M4** mounting position for gear units K57, K67, K77,K87 and K97 with total ratios (i) below 20, to prevent this. You can find the recommended dimensions of expansion tanks below.*
*If your gear units total ratio (i) is below 20 and input speed is higher then 1800 rpm we recommend using of expansion tank for all gear unit sizes for **M4** mounting position.*

Wie in der folgenden technischen Zeichnung dergestellt ist, sollte der Ölstand auf der gleichen Höhe der ersten Getriebestufe sein, um eine ausreichende Schmierung des oberen Zahnrads bei der **M4** Bauform (s. Seite 34) sicher zu stellen. Aufgrund dieses höhen Ölstands bildet sich Ölschaum aus, welcher aus der Entlüftungsschraube austritt.
Um das verhindern zu können, empfiehlt SEVA-tec bei allen K-Serie Getrieben ab Getriebebaugröße K57 mit niedrigen Übersetzungen (i<20) einen Ölausgleichsbehälter bei der **M4** Bauform einzusetzen. Die empfohlenen Dimensionen des Ölausgleichsbehälters sind in der unteren Tabelle angegeben.
Bei Getrieben mit Übersetzungen (i<20) und bei Motor-Eingangsdrehzahlen >1800 min-1 empfiehlt SEVA-tec einen Ölausgleichsbehälter unabhängig von der Getriebebaugröße einzusetzen.

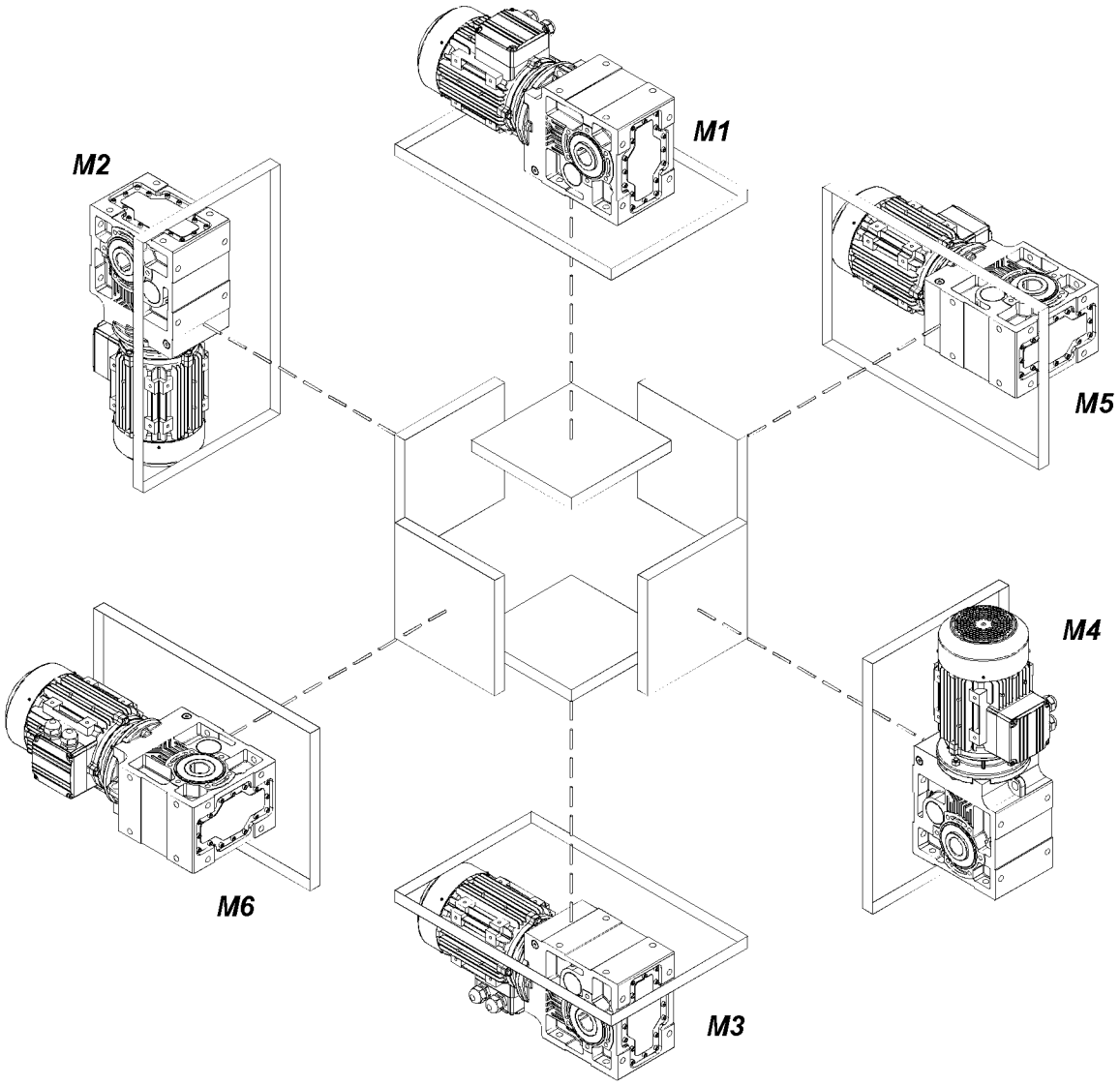


Housing Size **Gehäusegröße**	*Expansion Tank* **Ölausgleichsbehälter**	**D [mm]**	**H [mm]**	*Weigt* **Gewicht [kg]**
K57..	G1	100	150	4
K67.. , K77..	G2	150	250	5
K87.. , K97..	G3	180	400	9

Oil Types / Schmierstoffe

Lubricant Art des Schmiers	DIN 51517-3	*Ambient Temperature (°C)* Umgebungstemperatur (°C)		ISO VG	Aral	Beyond Petroleum	Castrol	Klüber Lubrication	Mobil	Shell	Total
		Dip Lubrication Tauchschmier.	*Forced Lubrication* Druckschmier.								
Mineral Oil Mineralöl	CLP	0 ... +50	–	680	Degol BG 680	Energol GR-XP 680	Alpha SP 680	Klüberoil GEM 1-680 N	Mobilgear 600 XP 680	Omala S2 GX 680	Carter EP 680
		-5 ... +45	–	460	Degol BG 460	Energol GR-XP 460	Alpha SP 460	Klüberoil GEM 1-460 N	Mobilgear 600 XP 460	Omala S2 GX 460	Carter EP 460
		-10 ... +40	+15 ... +40	320	Degol BG 320	Energol GR-XP 320	Alpha SP 320	Klüberoil GEM 1-320 N	Mobilgear 600 XP 320	Omala S2 GX 320	Carter EP 320
		-15 ... +30	+10 ... +30	220	Degol BG 220	Energol GR-XP 220	Alpha SP 220	Klüberoil GEM 1-220 N	Mobilgear 600 XP 220	Omala S2 GX 220	Carter EP 220
		-20 ... +20	+5 ... +20	150	Degol BG 150	Energol GR-XP 150	Alpha SP 150	Klüberoil GEM 1-150 N	Mobilgear 600 XP 150	Omala S2 GX 150	Carter EP 150
		-25... +10	+3 ... +10	100	Degol BG 100	Energol GR-XP 100	Alpha SP 100	Klüberoil GEM 1-100 N	Mobilgear 600 XP 100	Omala S2 GX 100	Carter EP 100
Synthetic Oil Synthetisches Öl	CLP PG	-10 ... +60	–	680	Degol GS 680	Energsyn SG-XP 680	–	Klübersynth GH 6 -680	Mobil Glygoyle 680	Omala S4 WE 680	Carter SY 680
		-20 ... +50	–	460	Degol GS 460	Energsyn SG-XP 460	Aphasyn PG 460	Klübersynth GH 6 -460	Mobil Glygoyle 460	Omala S4 WE 460	Carter SY 460
		-25 ... +40	+5 ... +40	320	Degol GS 320	Energsyn SG-XP 320	Aphasyn PG 320	Klübersynth GH 6 -320	Mobil Glygoyle 320	Omala S4 WE 320	Carter SY 320
		-30 ...+30	0 ...+30	220	Degol GS 220	Energsyn SG-XP 220	Aphasyn PG 220	Klübersynth GH 6 -220	Mobil Glygoyle 30	Omala S4 WE 220	Carter SY 220
		-35 ... +20	-5 ... +20	150	Degol GS 150	Energsyn SG-XP 150	Aphasyn PG 150	Klübersynth GH 6 -150	Mobil Glygoyle 22	Omala S4 WE 150	Carter SY 150
		-40 ... +10	-8 ... +10	100	–	–	–	Klübersynth GH 6 -100	Mobil Glygoyle 100	–	–
	CLP HC	-10 ... +60	–	680	–	–	–	Klübersynth GEM 4-680 N	Mobil SHC Gear 680	Omala S4 GXV 680	Carter SH 680
		-20 ... +50	–	460	Degol PAS 460	Enersyn EP-XF 460	Alphasyn T 460	Klübersynth GEM 4-460 N	Mobil SHC Gear 460	Omala S4 GXV 460	Carter SH 460
		-30 ... +40	+5 ... +40	320	Degol PAS 320	Enersyn EP-XF 320	Alphasyn T 320	Klübersynth GEM 4-320 N	Mobil SHC Gear 320	Omala S4 GXV 320	Carter SH 320
		-40 ... +40	0 ...+30	220	Degol PAS 220	Enersyn EP-XF 220	Alphasyn T 220	Klübersynth GEM 4-220 N	Mobil SHC Gear 220	Omala S4 GXV 220	Carter SH 220
		-40 ... +40	-5 ... +20	150	Degol PAS 150	Enersyn EP-XF 150	Alphasyn T 150	Klübersynth GEM 4-150 N	Mobil SHC Gear 150	Omala S4 GXV 150	Carter SH 150
		-40 ... +40	-8 ... +10	100	–	–	–	Klübersynth GEM 4-100 N	Mobil SHC 627	Omala S4 GXV 100	–
Food Grade Oil Lebensmittelöl	CLP NSF H1	-30 ... +25	+5 ... +25	220	–	–	Optileb GT 220	Klüberoil 4 UH1-220 N	Mobil SHC Cibus 220	Cassida Fluid GL-220	Nevastane SL 220
Biodegradable Oil Biologisch abbaubares Öl	CLP E	-25 ... +40	+5 ... +40	320	–	–	Tribol BioTop 1418-320	Klübersynth GEM 2-320	–	–	Carter Bio 320
Mineral Grease [-20 .... +120 °C Working Temperature] Mineral-Fett [-20 .... +120 °C Betriebstemperatur]					Aralub HL3	Energrease LS 3	Spheerol AP3	Centoplex 2 EP	Mobilux EP 3	Gadus S2 V100 3	Multis Complex EP 2
Synthetic Grease [-30 .... +100 °C Working Temperature] Synthetisches Fett [-30 .... +100 °C Betriebstemperatur]					–	Energrease SY 2202	–	Petamo GHY 133 N	Mobiltemp SHC 100	Gadus S5 V100 2	Multis Complex SHD 220

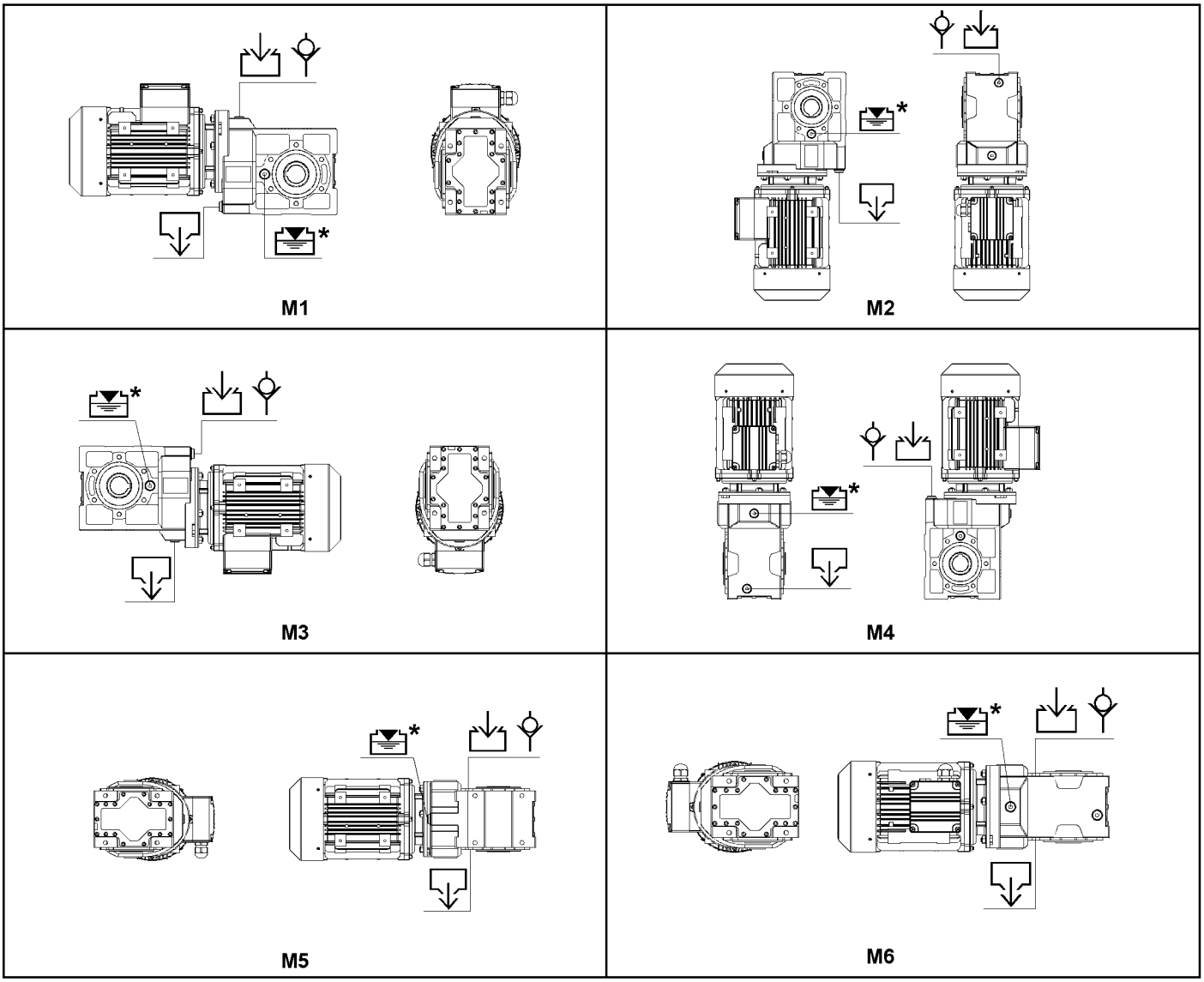
Mounting Positions / Bauformen



M1....M6

Figured mounting positions of M1 to M6 are determined as reference of directional position of the gearbox. Mounting surfaces are not binding.
Dargestellte Montagepositionen M1 bis M6 wurden nach der Stehrichtung vom Getriebe bestimmt. Montageoberflächen sind unverbindlich.

K.00. - K.20. Two - Three Stage Helical-Bevel Geared Gearboxes Oil Level Plugs
K.00. - K.20. Zwei-Dreistufig Stirn-Kegelradgetriebe Ölverschlußschrauben



*: *For K002 and K003 this plug doesn't exist. Please refer to oil quantities.*

*: Bei K002 und K003 existiert diese Ölstandschraube nicht. Bitte nach Ölmenge füllen. *Oil Quantities (l) / Ölmengen (Liter)*

Type / Typ	M1	M2	M3	M4	M5	M6
K.002	0,3	0,6	0,5	0,8	0,65	0,65
K.003	0,3	0,6	0,5	0,8	0,65	0,65
K.102	0,55	0,8	0,85	1,1	0,8	0,8
K.103	0,5	0,7	0,8	1,0	0,8	0,8
K.202	1,0	1,35	1,5	1,7	1,4	1,4
K.203	0,9	1,25	1,4	1,4	1,6	1,3

Symbols : : *Drain plug* : *Oil filling* : *Vent plug* : *Oil level*
Symbole : : Ölauslass : Ölfüllung : Entlüftungsschraube : Ölstand

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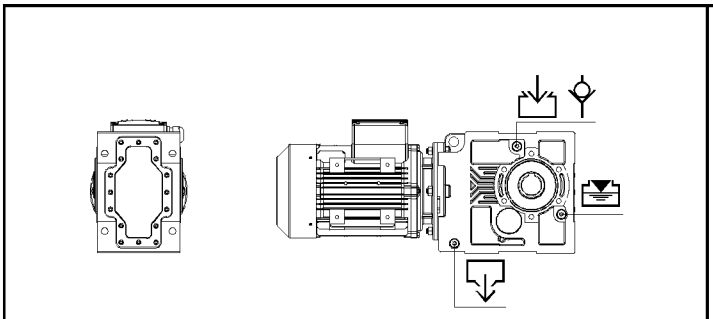
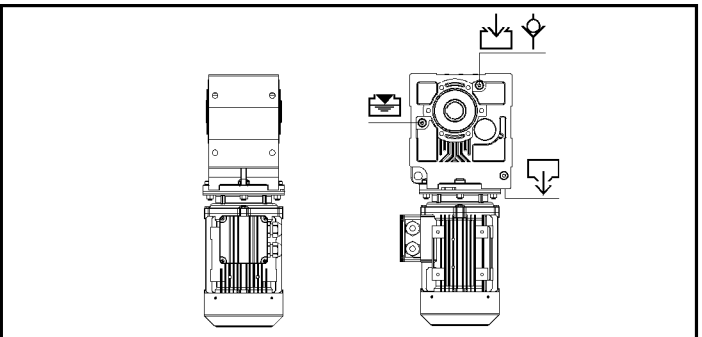
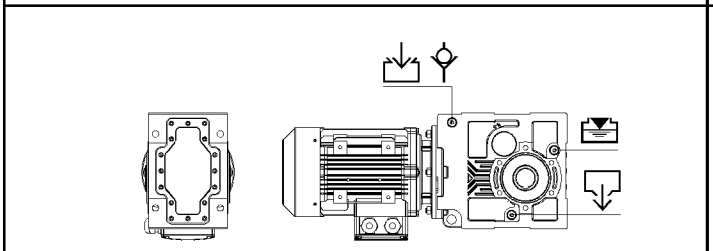
K.273 - K.973 Three Stage Helical-Bevel Geared Gearboxes Oil Level Plugs
K.273 - K.973 Dreistufig Stirn-Kegelradgetriebe Ölverschlußschrauben



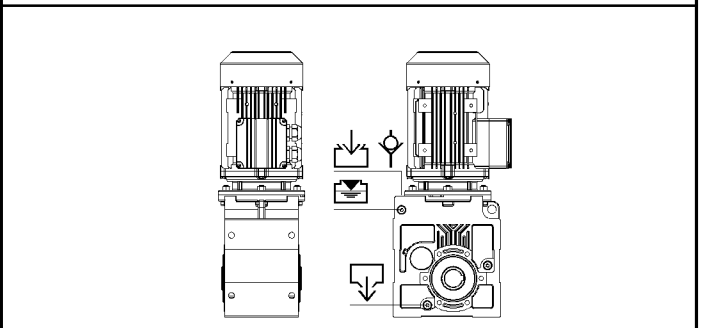
M1



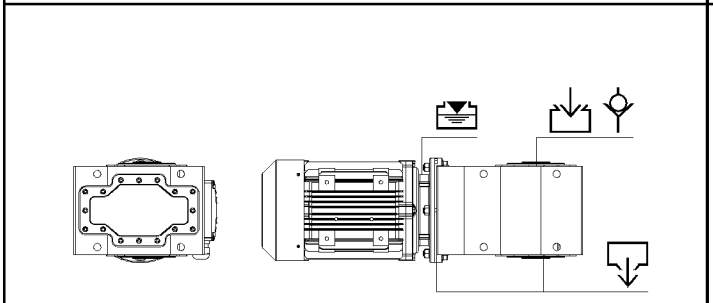
M2



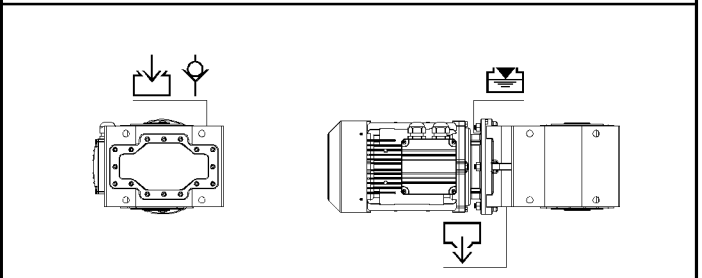
M3



M4



M5



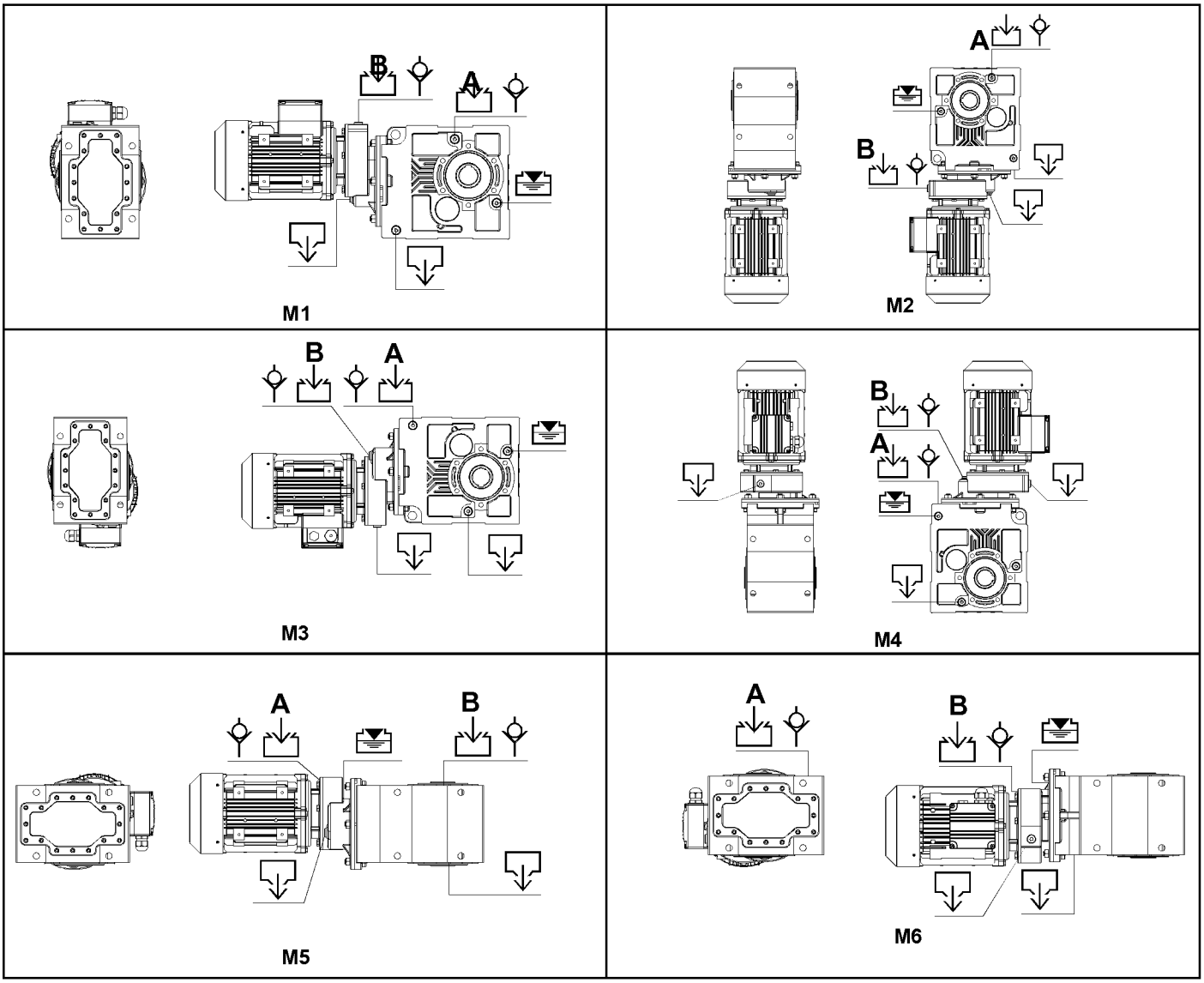
M6

Oil Quantities (l) / Ölmengen (Liter)

Type / Typ	M1	M2	M3	M4	M5	M6
K.273	0,8	1,8	2,2	2,3	1,4	1,5
K.283	1,2	2,4	2,5	2,9	1,9	1,9
K.373	1,4	3,3	3,4	4,0	1,9	2,2
K.473	2,7	5,9	6,5	7,8	4,0	4,5
K.573	4,1	9,0	9,7	11,5	5,5	6,6
K.673	8,7	16,3	18,0	22,5	11,7	13,2
K.773	13,0	28,0	30,0	35,0	18,0	20,0
K.873	28,0	50,0	46,0	63,0	45,0	36,0
K.973	47,0	85,0	85,0	117,0	77,0	64,0

Symbols : : *Drain plug* : *Oil filling* : *Vent plug* :*Oil level*
Symbole : : *Ölauslass* : Ölfüllung : Entlüftungsschraube : Ölstand

K.374 - K.974 Four Stage Reduction Helical-Bevel Geared Gearboxes Oil Level Plugs
K.374 - K.974 Vierstufig Stirn-Kegelradgetriebe Ölverschlußschrauben



Oil Quantities (l) / Ölmengen (Liter)

Type / Typ	**M1** A / B	**M2** A / B	**M3** A / B	**M4** A / B	**M5** A / B	**M6** A / B
K.284	1,2 / 0.20	2,4 / 0,20	2,5 / 0,20	2,9 / 0,20	1,9 / 0,20	1,9 / 0,20
K.374	1,4 / 0,25	3,3 / 0,25	3,4 / 0,25	4,0 / 0,25	1,9 / 0,25	2,2 / 0,25
K.474	2,7 / 0,4	5,9 / 0,4	6,5 / 0,4	7,8 / 0,4	4,0 / 0,4	4,5 / 0,4
K.574	4,1 / 0,5	9,0 / 0,5	9,7 / 0,5	11,5 / 0,5	5,5 / 0,5	6,6 / 0,5
K.674	8,7 / 0,9	16,3 / 0,9	18,0 / 0,9	22,5 / 0,9	11,7 / 0,9	13,2 / 0,9
K.774	13,0 / 1,0	28,0 / 1,0	30,0 / 1,0	35,0 / 1,0	18,0 / 1,0	20,0 / 1,0
K.874	28,0 / 2,2	50,0/ 2,2	46,0 / 2,2	63,0 / 2,2	45,0 / 2,2	36,0 / 2,2
K.974	47,0 / 7,0	85,0 / 7,0	85,0 / 7,0	117,0 / 7,0	77,0 / 7,0	64,0 / 7,0

Symbols :
Symbole :
: *Drain plug* / : Ölauslass
: *Oil filling* / : Ölfüllung
: *Vent plug* / : Entlüftungsschraube
:*Oil level* / : Ölstand

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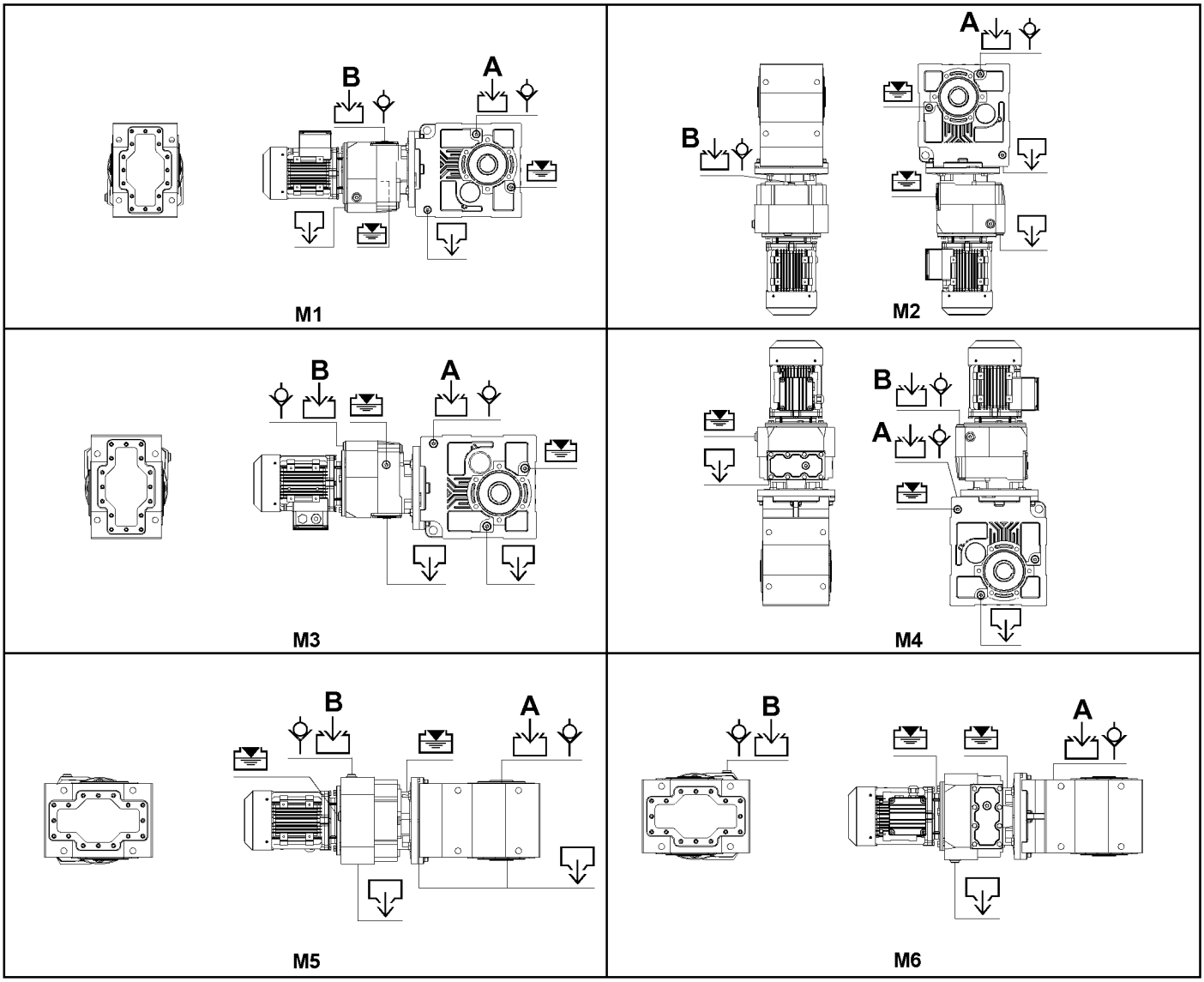
K.27. - K.97. Five-Six Stage Helical-Bevel Geared Gearboxes Oil Level Plugs
K.27. - K.97. Fünf-Sechsstufig Stirn-Kegelradgetriebe Ölverschlußschrauben



Oil Quantities. (lt) Ölmengen (Liter)

Type / Typ	**M1** A / B	**M2** A / B	**M3** A / B	**M4** A / B	**M5** A / B	**M6** A / B
K.275-276	0,8 / 0,4	1,8 / 0,6	2,2 / 0,5	2,3 / 0,6	1,4 / 0,5	1,5 / 0,5
K.285-286	1,2 / 0,54	2,4 / 0,8	2,5 / 0,6	2,9 / 0,8	1,9 / 0,6	1,9 / 0,6
K.375-376	1,4 / 0,65	3,3 / 0,95	3,4 / 0,7	4,0 / 0,95	1,9 / 0,7	2,2 / 0,7
K.475-476	2,7 / 1,2	5,9 / 2,1	6,5 / 2,0	7,8 / 2,1	4,0 / 1,4	4,5 / 1,4
K.575-576	4,1 / 1,2	9,0 / 2,1	9,7 / 2,0	11,5 / 2,1	5,5 / 1,4	6,6 / 1,4
K.675-676	8,7 / 2,0	16,3 / 3,4	18,0 / 3,1	22,5 / 3,4	11,7 / 2,8	13,2 / 2,8
K.775-776	13,0 / 2,0	28,0 / 3,4	30,0 / 3,1	35,0 / 3,4	18,0 / 2,8	20,0 / 2,8
K.875-876	28,0 / 2,0	50,0 / 3,4	46,0 / 3,1	63,0 / 3,4	45,0 / 2,8	36,0 / 2,8
K.975-976	47,0 / 4,0	85,0 / 7,6	85,0 / 7,0	117,0 / 7,6	77,0 / 5,0	64,0 / 5,0

Symbols :
Symbole :

: Drain plug
: Ölauslass

: Oil filling
: Ölfüllung

: Vent plug
: Entlüftungsschraube

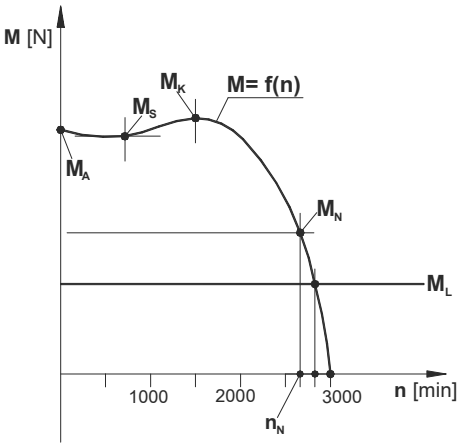
:Oil level
: Ölstand

MOTORS
AC Motors:
a- General Specifications

On account of its simple and maintenance free construction, good reliability and price, the three phase squirrel cage motor is one of the most frequently employed electric motors. The run up behavior of a three phase squirrel cage motor is described by the torque-speed characteristic curve. An example is shown below.

MOTOREN
Drehstrommotoren:
a- Allgemeine Eigenschaften

Wegen der wartungsarmen und leichten Konstruktion, hohen Sicherheit bei Nutzung und günstige Preise, werden asynchrone Drehstrommotoren am meisten benutzt. Das Motoranlaufverhalten wird mit Moment-Drehzahl-Kurve charakterisiert. Ein Beispiel ist unten angegeben.



M_A: *Starting torgue* / Anlaufmoment

M_S: *Pull-up torgue* / Anziehungsmoment

M_K: *Pull -out torgue* / Bremsungsmoment

M_N: *Motor rated torque* / Treibmoment

M_L: *Load torque* / Lastmoment

The motor follows this torque characteristics up to its stable operating point every time, when it is switched on. Operating point is that point, where the moment speed curve intersects with load torque M_L line.
The magnetic field in the stator rotates at a synchronous speed n_s. Phase shift of each pole is 120° at 3 phase motors.

$$n_s = 120 \times \frac{f}{p_s}$$

f: supply frequency [Hz]
p_s: number of stator poles

Because of the alternating magnetic field in the rotor, the rotor starts running in the same direction of the stator flux and tries to catch up with the rotating flux. The rotor never catches up the stator field. The rotor runs slower than the speed of the stator field. This speed is called the base speed n_N.
A decrease in load will cause the rotor to speed up or decrease slip. The slip is defined as follows:

$$s = \frac{n_s - n_N}{n_s} \times 100$$

According to the slip, the nominal values of the electric motor can alter as follows:
Slip s: ± 20%
Starting current: ± 20%
Starting torque: -15 /+25 %
Moment of inertia: ± 10%
Efficiency (up to 37 kW): -0,15 (1-η)

Der Drehstrommotor läuft diese Kurve bei jedem Anlauf, bis der stabile Betriebspunkt erreicht wird. Betriebspunkt ist der Zustand, bei dem die Moment-Drehzahl-Kurve sich mit der Linie vom erforderlichen Moment M_L schneidet.= Magnetisches Feld von Stator dreht sich mit synchroner Geschwindigkeit n_s. Phasen-verschiebung von den Polen ist 120° bei 3-phasigen Drehstrommotoren.

$$n_s = 120 \times \frac{f}{p_s}$$

f: Frequenz der Spannung [Hz]
p_s: Anzahl der Polen von Stator

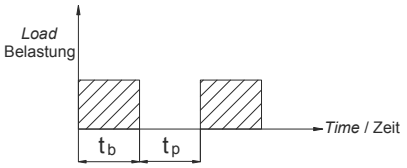
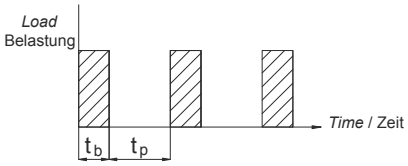
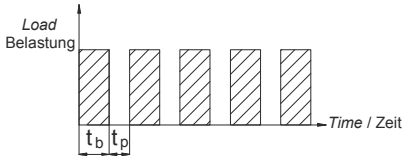
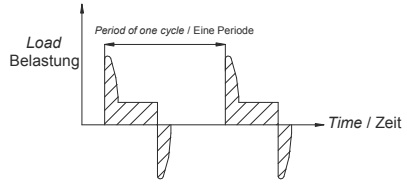
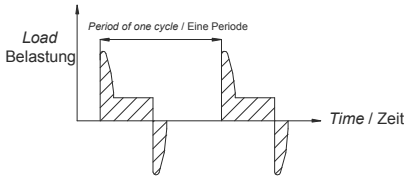
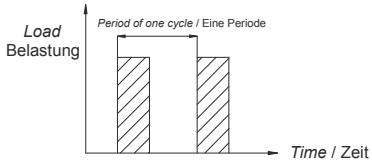
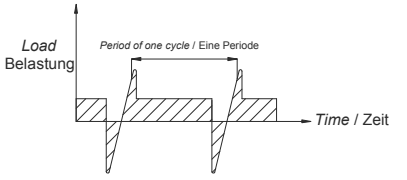
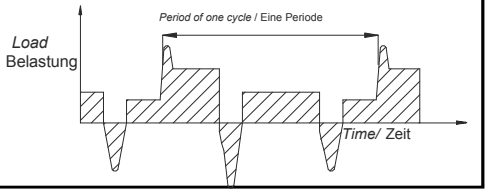
Durch das magnetische Wechselfeld im Rotor, beginnt der Rotor sich in der gleichen Richtung des Statorflusses zu drehen und versucht, diese Bewegung aufzuholen. Der Rotor kann das Statorfeld nie aufholen. Die Rotorgeschwindigkeit nennt man Basisgeschwindigkeit n_N. Eine Abnahme der Belastung bewirkt, dass der Rotor sich beschleunigt und der Schlupf sich verringert. Der Schlupf wird wie folgt definiert:

$$s = \frac{n_s - n_N}{n_s} \times 100$$

Für die nominale Werte der Drehstrommotoren sind folgende Abweichungen zulässig:
Schlumpf s: ± 20%
Anzugsstrom: ± 20%
Anzugsmomet: -15 /+25 %
Massentägheitsmoment: ± 10%
Wirkungsgrad (bis 37 kW): -0,15 (1-η)

b-Modes of Operation
All motors of the catalogue have been laid out for duty S1 (continuous operation). Other duty types are given on the following table.

b-Betriebsarten
Die im Katalog angeführten Motoren sind für Betriebsart S1 (Dauerbetrieb) ausgelegt. Andere Betriebsarten sind unten angegeben.

Operation Betriebsarten	*Explanation* Erläuterung	*Load Graphic* Lastverläufe
S1	*Continuous operation under constant load* Dauerbetrieb mit konstanter Belastung	
S2	*Short-time duty under constant load* Kurzbetrieb mit konstanter Belastung	
S3	*Periodic duty without influence of start-up on temperature* Aussetzbetrieb ohne Einfluss des Anlaufes auf die Temperatur	
S4	*Periodic duty with influence of start up on temperature* Aussetzbetrieb mit Einfluss des Anlaufes auf die Temperatur	
S5	*Periodic duty with influence of startup and braking on temp.* Aussetzbetrieb mit Einfluss des Anlaufes / Bremsung auf die Temp.	
S6	*Continuous operation with intermittent loading* Durchlaufbetrieb mit Aussetzungsbelastung	
S7	*Continuous operation with intermittent loading and breaking* Ununterbrochener Betrieb mit Anlauf und Bremsung	
S8	*Continuous operation duty type with related load-speed changes* Ununterbrochener periodischer Betrieb mit Drehzahländerung	

c- Protection Class:
SEVA-tec uses IP55 (IEC 34-5) protection class electric motors for standard products. If different kind of protection class is requested please contact us.

d- Insulation Class:
SEVA-tec uses F (IEC 317-8) insulation class electric motors for standard products. H insolation class is available upon request.

e- Efficiency Classes:
The method for measuring the efficiency of low voltage three-phase asynchronous motors was revised with the new IEC 60034-2-1:2007 standard. The new IE classes is valid for AC Motors in power range from 0,75 to 375 kW. Unlike the EFF classes IE classes can be used for 6-pole AC motors. Bellow is the table of efficiency classes. The instructions for efficiency classes can differ from country to country. Please contact with us for more information. For the motors, which are fully integrated into a product (for example gear, pump) so their energy efficiency can not be recognized independently, the requirements of efficiency are not valid in Europe.

c- Schutzarten:
SEVA-tec Getriebemotoren werden serienmäßig mit Schutzart IP55 (IEC34-5) ausgeführt. Für andere Schutzarten bitte Rückfragen.

d- Isolationsklasse:
SEVA-tec Getriebemotoren werden serienmäßig in Wärmeklasse F (IEC317-8) ausgeführt. H Wärmeklasse ist möglich auf Kundenwunsch.

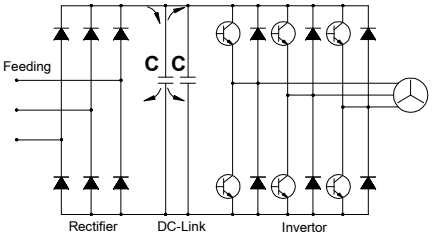
e- Energieeffizienzklassen:
Die Methode für die Messung der Effizienz von drei phasigen Asynchronmotoren wird in der IEC 60034-2-1:2007 Norm beschrieben. Die neue IE-Klassen gelten für alle Drehstrommotoren im Leistungsbereich von 0,75 bis 375 kW. Anders als EFF-Klassen die IE-Klassen können auch für 6-polige Drehstrommotoren verwendet werden. Unten steht die Tabelle der Effizienzklassen. Die Richtlinien für Effizienzklassen können sich je nach dem Land unterscheiden. Bitte mit unserer Firma Kontakt aufnehmen. Für die Motoren, die vollständig in ein Produkt (zum Beispiel Getriebe, Pumpe) eingebaut sind und deren Energieeffizienz nicht unabhängig von diesem Produkt erfasst werden kann, gelten in Europa die Anforderungen der Effizienzklassen nicht.

Efficiency Classes Energieeffizienzklassen			*Calculating Efficiency Values of Motors with 4 Poles* Berechnung der Wirkungsgrade von Elektromotoren mit 4 Polen	
IE1	EFF 2	*Standart Efficiency* Standarte Energieeffizienz	A=0,5234 B=-5,0499 C=17,4180 D=74,3171	$\eta_{Mn} = A \times \left[\log_{10}(P_L)\right] + B \times \left[\log_{10}(P_L)\right]^2 + C \times \log_{10}(P_L) + D$
IE2	EFF 1	*High Efficiency* Hohe Energieeffizienz	A=0,0278 B=-1,9247 C=10,4395 D=80,9761	P_L *Nominal Load [kW]* / Nennlast [kW]
IE3	-	*Premium Efficiency* Premium Energieeffizienz	A=0,0773 B=-1,8951 C=9,2984 D=83,7025	η_{Mn} *Nominal Efficiency* / Sollwirkungsgrad
IE4	-	*Super Premium Efficiency* Super Premium Energieeffizienz	-	

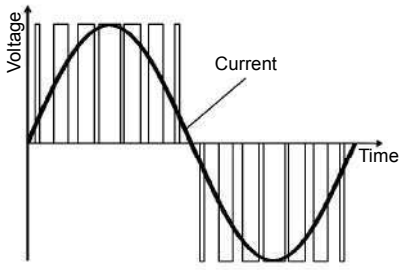
Efficiency Values of Motor with 4 poles Sollwirkungsgrad des Motors mit 4 Polen	*Efficiency Class* / Energieeffizienzklasse			
	Nominal Load [kW] Nennlast [kW]	IE1	IE2	IE3
	0,75	72,1 %	79,6 %	82,5 %
	1,5	77,2 %	82,8 %	85,3 %
	3	81,5 %	85,5 %	87,7 %
	7,5	86 %	88,7 %	90,4 %
	15	88,7 %	90,6 %	92,1 %
	22	89,9 %	91,6 %	93 %
	37	91,2 %	92,7 %	93,9 %
	45	91,7 %	93,1 %	94,2 %
	75	92,7 %	94 %	95 %
	90	93 %	94,2 %	95,2 %
	330	94 %	95,1 %	96 %

f- AC Frequency Inverters

An electronic converter is a device which converts Direct Current (DC) to Alternating Current (AC) is known as an inverter. Electronic speed controllers for AC motors usually convert the AC supply to DC using a rectifier, and then convert it back to a variable frequency, variable voltage AC supply using an inverter bridge. The connection between the rectifier and inverter is called the DC link. The block diagram of a speed controller (often called an inverter) is shown below.

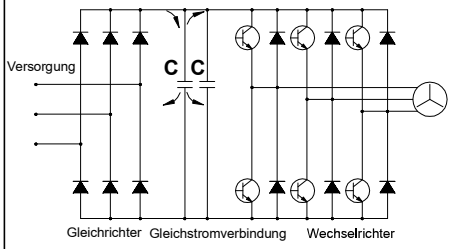


The three phase supply is fed into a full wave rectifier which supplies the DC link capacitors. The capacitors reduce the voltage ripple (especially on single supplies) and supply energy for short mains breaks. The voltage on the capacitors is uncontrolled and depends on the peak AC supply voltage. The DC voltage is converted back to AC using Pulse Width Modulation (PWM). The desired waveform is built up by switching the output transistors (Insulated Gate Bipolar Transistors; IGBTs) on and off at a fixed frequency (the switching frequency). By varying the on and off time of the IGBTs the desired current can be generated. The output voltage is still a series of square wave pulses and the inductance of the motor windings results in a sinusoidal motor current. Pulse Width Modulation is shown in the figure below.

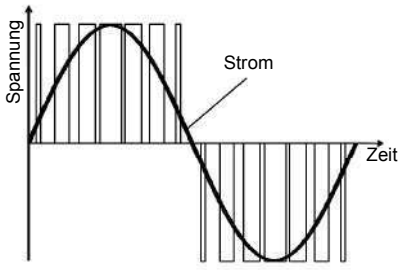


f- AC Frequenz Umrichter

Ein elektronischer Wandler, der den Gleichstrom (DC) in Wechselstrom (AC) umwandelt, wird als Umrichter bezeichnet. Ein Frequenzumrichter benutzt einen ungesteuerten Eingangsgleichrichter, um die Netzspannung in Gleichspannung umzuwandeln. Diese wird dann in den Zwischenkreiskondensatoren gespeichert. An diesem Gleichspannungszwischenkreis ist ein Wechselrichter angeschlossen. Dieser Wechselrichter erzeugt am Ausgang eine variable Frequenz und eine variable Spannung. Den Anschluss zwischen dem Gleichrichter und dem Wechselrichter nennt man Gleichstromverbindung. Das Blockschaltbild von diesem System wird unten dargestellt:



Auch bei dreiphasiger Versorgung wird die gleichgerichtete Netzspannung den Zwischenkreiskondensatoren zugeführt. Die Kondensatoren reduzieren die Oberwelligkeit der Spannung (was besonders bei einphasiger Versorgung entscheidend ist) und liefern Energie, die kurze Unterbrechungen der Netzstromversorgung ermöglicht. Die Spannung der Kondensatoren ist vom Spitzenwert der Wechselspannung abhängig. Die Gleichspannung wird im Wechselrichter durch Pulsweitenmodulation (PWM) in Wechselspannung umgewandelt. Die gewünschte Wellenform wird durch Ein- und Ausschalten der Ausgangstransistoren (IGBT's Isolierte Gate Bipolar Transistoren) mit einer festen Frequenz (der Pulsfrequenz) erzeugt. Der gewünschte Strom kann durch die Variation der Ein- und Ausschaltzeit der Ausgangstransistoren generiert werden. Die Ausgangsspannung ist dadurch eine Reihe von Spannungsimpulsen, die in Verbindung mit der Induktivität der Motorspulen zu einem sinusförmigen Motorstrom führt. Die Pulsweitenmodulation wird wie folgt dargestellt



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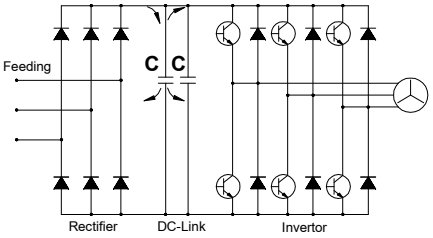

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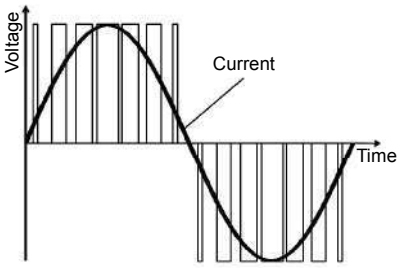

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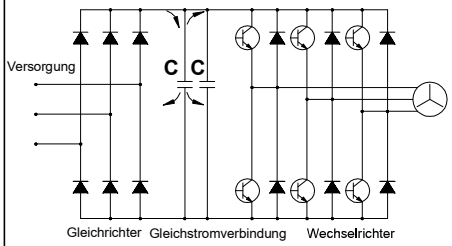

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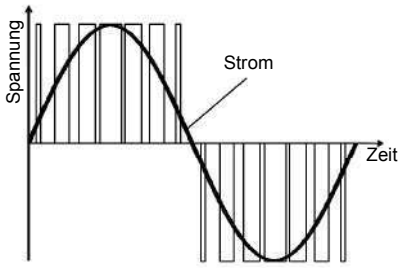


Electromagnetic Brakes

This type of brakes has two friction surfaces. Brake torque is generated by springs when no voltage is applied. The brake is electromagnetically released. On exciting the electromagnet means of the current, the armature plate is pulled towards the electromagnet itself, thrust loading the pressure spring and enabling the friction disc which is axially movable on the key, to turn freely. When current fails, the pressured springs drive the armature plate towards the disc, thus braking the motor shaft.

Brake Types

a) Brakes without cooli
This type of brakes are assembled on the back cover of the electric motor. There is no fan on the backside. This brake type is mostly preferred in short working times and short working cycles.
b) Fan cooled brak
This type of brakes are assembled on the back cover of electric motor by removing the electric motor fan. A fan is coupled to the backside of the brake by extending the rotor shaft of the electric motor. Fan cooled brakes are preferred in long working times and closed places without airflow.
c) Brakes with hand relea
This brakes can be released by help of an arm. It can be applied to both of the above mentioned brakes and used in special cases (fail of electric current, mechanical problems etc.)These brakes are mostly preferred if operation (releasing) without a current is needed (automatic controlled doors, gates, building wall painting elevators etc.).

Working Voltages

Electromagnetic brakes can be ordered with 230V AC or 400V AC supply voltage. The coil of brakes needs DC voltage and therefore depending on brake type a half wave, a full wave rectifier or transformer should be used between supply and coil voltage. As standard the brakes will be delivered with 230V supply voltage and half wave rectifier, if there is no special request. For special cases please contact SEVA-tec.
a) <u>Brakes with 230V supply voltage</u>
230V AC supply voltage from the motor terminal box will be reduced to the coil voltage depending on the brake type with half-wave or full-wave rectifier. DC brake coil voltage is indicated on the label.
b) <u>Brakes with 400V supply voltage</u>
400V AC supply voltage from the motor terminal box will be reduced to the coil voltage with half-wave rectifier. DC brake coil voltage indicated on the label.
c) <u>24V DC Brakes</u>
The transformator's size is selected according to value of brake torque. The current is taken from the electric motor terminal box or from the electric panel and is transformed to 29V DC current. This current is transferred to 24V DC current with full-wave rectifier and supplies brake coil.

Elektromagnetische Bremsen

Die Bremse hat zwei Reibflächen und arbeitet nach dem Ruhestromprinzip. Im stromlosen Zustand wird das Bremsmoment durch den Druck der Feder erzeugt, während die Bremse beim Betrieb elektromagnetisch losgelassen wird. Durch die Erregung der Elektromagneten wird die Ankerscheibe zu den Elektromagneten gezogen und die Feder zusammengedrückt. Dadurch kann sich die Bremsscheibe, die axial beweglich auf dem Mitnehmer angeordnet ist, frei drehen. Wird der Strom unterbrochen, drückt die Feder die Ankerscheibe gegen die Bremsscheibe und hält die Motorwelle an.

Bremsenarten:

a)Bremsen ohne Kühlung
Diese Bremsen sind für Kurzlaufzeiten geeignet. Die Lüfterhaube und Lüfter des Motors sind ausgebaut und die Bremse ist an dem Ende der Motorwelle befestigt.

b)Bremsen mit Kühlung
Diese Bremsen sind für lange Laufzeiten und kleine, abgedeckte Räume geeignet. Durch die Verlängerung der Motorwelle wurde der Lüfter hinter der Bremse und dem Motor verbunden. Somit wurde eine konstante Lüftung ermöglicht.

c)Bremsen mit Hebelarm
Diese Bremsenart kann mit oder ohne Kühlung verwendet werden. Diese Bremsen sind bei speziellen Fällen, wie keine Spannung an der Leitung, mechanische Probleme usw. , anwendbar. Die Bremse wird mit einem Hebelarm manuell betätigt. Diese Bremsen werden am meisten an den Stellen, wo die Lüftung ohne Spannung erfolgen soll, benutzt (automatische Türen, Wandaufzüge).

Betriebsspannungen

Elektromagnetische Bremsen können mit 230V AC oder 400V AC Versorgungsspannung bestellt werden. Die Wicklungen der Bremsen brauchen Gleichspannung, und sollen deswegen abhängig von Bremsenart zwischen Versorgungsspannung und Wicklungsspannung, Halbwellen-, Vollweggleichrichter oder Transformator verwendet werden. Als Standard werden die Bremsen mit 230V Versorgungsspannung und Halbwellengleichrichter geliefert.

a) <u>Bremsen mit 230V Versorgungsspannung</u>
230V AC Versorgungsspannung von Klemmkasten wird auf die Wicklungsspannung abhängig von dem Bremsentyp mit Halbwellen- oder Vollweggleichrichter reduziert. Wicklungsspan-nung ist auf dem Etikett angegeben.
b) <u>Bremsen mit 400V Versorgungsspannung</u>
400V AC Versorgungsspannung von Klemmenkasten wird auf die Wicklungsspannung mit Halbwellengleichrichter reduziert. Wicklungsspannung ist auf dem Etikett angegeben.
c) <u>24 V DC Bremsen</u>
Die Spannung wird vom Klemmkasten des Motors oder Elektrikschranks entnommen. Diese Spannung wird zuerst mittels Transformator auf 24 V reduziert. Danach wird diese Spannung mit Hilfe von Gleichrichtern zu Gleichstromspannung umgewandelt. Die Größe des Transformators ist abhängig von der Größe des Bremsmoments.

d) Shock voltage supply transformer
Brakes which consist of high power and torques take long time to get in electromagnetic field. Shock voltage supply transformers with time relay are aiming to overcome spring pressure delaying for brakes .Also this transformers provide to open system suddenly by feeding double(48V DC) voltage in a short time and preventing to frictional loses occurring in delayed opening.

Connection Types
a) Delayed Braking
Generally this type of connection uses in slow and sliding brake intended systems. Delayed connection type using to prevent shock loadings in crane driving systems. Brakes are setting up to delayed connection if any other types are not specified by customer

b) Sudden Braking
This type of connections are mostly used in systems when short braking times are needed. The braking torque will be produced as soon as the current fails. These brakes are mostly used in hoisting of lifting units and elevators.

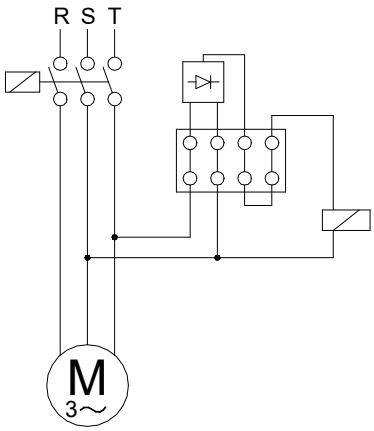
d) Trafos mit Schock-Spannung
Diese Transformatoren werden bei großen Bremsen mit hohen Momenten verwendet. Da die großen Bremsen eine lange Zeit brauchen, um das erforderliche magnetische Feld zu erzeugen, wird an der Bremse kurz 48V Gleichstromspannung angelegt, um die Zeit zur Bildung von magnetischem Feld zu kürzen. Dies ermöglicht kürzere Reibungszeiten beim Start.

Schaltungsarten:

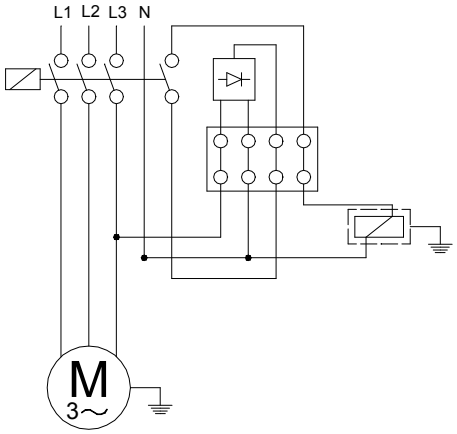
a)Verspätetes Bremsen
Diese Schaltung wird benutzt, wenn ein langsames und gleitendes Bremsen erforderlich ist. Am meisten wird es bei Fahrgetriebemotoren von Aufzügen verwendet. Wenn keine Angabe bei der Bestellung gegeben wird, werden die Bremsen mit verspäteter Schaltung geliefert.

b)Schnelles Bremsen:
Allgemein verwendet man diese Schaltung bei Bedarf an plötzlichen Bremsen in dem Augenblick, in dem das System keine Energie mehr erhält. Diese Schaltungsart wird meist bei Kränen und Motoren von Aufzüge verwendet.

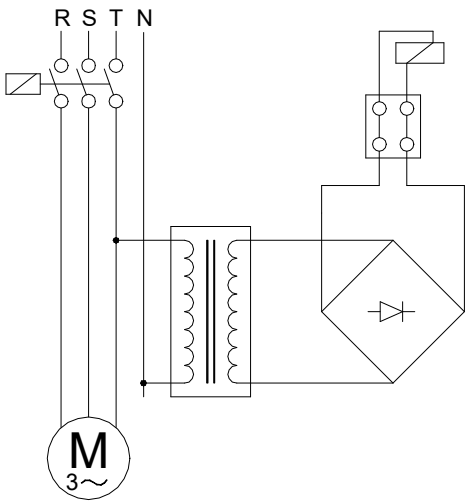
/ *Delayed Running Brake* / Verspätete Bremsung
(230 V)



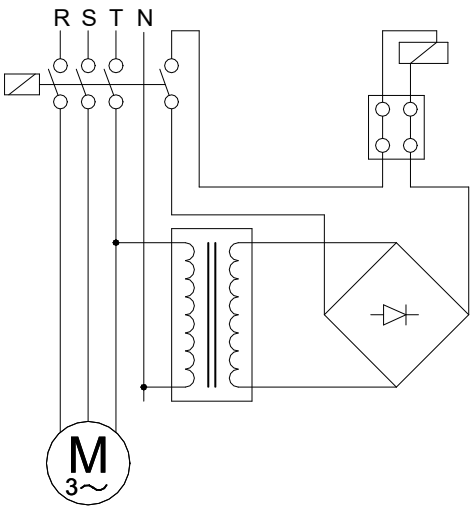
/ *Sudden Brake* / Plötzliche Bremsung
(230 V)



/ *Delayed Running Brake* / Verspätete Bremsung
(24 V)



/ *Sudden Brake* / Plötzliche Bremsung
(24 V)



Brake Selection:

To select a brake correctly the following data are necessary;

- ***I_{tot} [kg . m²]*** *: The total inertia of rotating parts reduced at the motor shaft*
- ***n_0 [rpm]*** *: Maximum motor speed.*
- ***t_f[s]*** *: The maximum admitted time of the braking.*
- ***c_t*** *: Coefficient of switch on time (average 0,995).*
- ***M_L [Nm]*** *: Required static torque of system.*
- ***C_s*** *: Safety coefficient ($C_s \geq 2$)*

The necessary braking torque calculates below;

a) The static load torque M_L ,same direction of motor rotation(Descent of a load or steady resisting torque which favours the rotation of the motor)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} + M_L$$

b)The static load torque M_L ,opposes the rotation of the motor (Lifting of a load or steady resisting torque which opposes the rotation of the motor)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} - M_L$$

The necessary braking torque will result from the following equation using C_s ($C_s \geq 2$);

$$M_f = M_{fc} \times C_s$$

Approximated Brake Selection
Its only the motor power and its maximum speed are known:

W [Watt]: Motor Nominal Power

$$M_f = \frac{W}{(\frac{2\pi \times n_0}{60})} \times C_s \quad (C_s \geq 2)$$

Bremsauswahl:

Um die richtige Bremse auszuwählen, braucht man unten aufgelistete Variablen;

- I_{tot} **[kg . m²]** :Die Gesamtträgheit der rotierenden Teile(siehe Anwendungsbeispiele)
- n_0 **[U/min]** : Die höchste Drehzahl des Motors
- t_f **[s]** :Die längste zulässige Bremszeit
- c_t : Reduktionskoeffizient der Tätigkeitszeit (gemittelt 0,995).
- M_L **[Nm]** : Vom System benötigtes, statisches Drehmoment.
- C_s : Sicherheitskoeffizient ($C_s \geq 2$)

Die benötigte Bremskraft wird wie folgt berechnet:

a) konstantes Belastungsmoment M_L, das die Motordrehung fördert (konstante Erhöhung der Motorgeschwindigkeit oder Herunterlassen der Last)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} + M_L$$

b) konstantes Belastungsmoment M_L, das sich entgegen der Motordrehung widersetzt (konstante Verminderung der Motorgeschwindigkeit oder Aufheben der Last)

$$M_{fc} = \frac{(2\pi \times n_0 \div 60) \times I_{tot}}{t_f \times c_t} - M_L$$

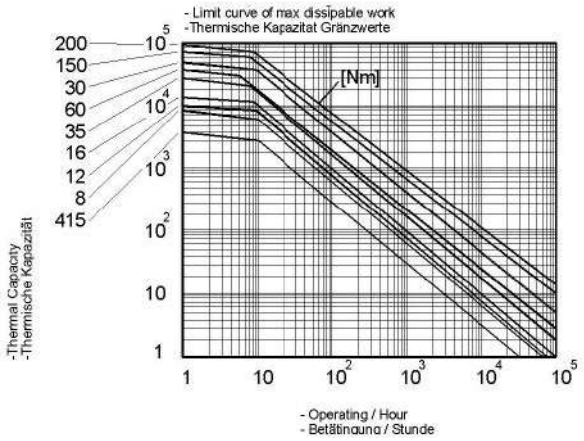
Wenn die Bremskraft mit dem Sicherheitskoeffizient C_s ($C_s \geq 2$) multipliziert wird, erhält man die erforderliche Bremskraft;

$$M_f = M_{fc} \times C_s$$

Abschätzung zur Bremswahl
Wenn man nur die Motorleistung und die höchste Drehzahl kennt, kann die Bremskraft mit der folgenden Formel annähernd berechnet werden:
W [Watt] : Nennleistung des Motors

$$M_f = \frac{W}{(\frac{2\pi \times n_0}{60})} \times C_s \quad (C_s \geq 2)$$

Brake Static Torque [Nm] Statische Bremskraft [Nm]	4,5	8	12	16	35	60	80	150	200
Brake Dynamic Torque [Nm] Dynamische Bremskraft [Nm]	3,6	6,4	9,6	12,8	28	48	64	120	160
Maximum Motor Speed [rpm] Maximale Motordrehzahl [U/min]	3000	3000	3000	3000	3000	3000	3000	1500	1500
Input Power [W] Antriebsleistung [W]	15	20	25	30	45	50	55	60	65



The Thermal Capacity of Brake

The thermal capacity of the brake must also be checked after the above mentioned calculations heat dissipation energy L (joule) can be calculated from the following equation and must be checked if the result is under the limit curve shown on ''Limit curve of may dissipated work''.

a) The static load torgue M_L ,favours the rotation of the motor (Descent of a load which favours the rotation of the motor)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2} \times \left(\frac{M_f}{M_f - M_L}\right)$$

b) The static load torgue M_L ,opposes the rotation of the motor (Lifting of a load which opposes the rotation of the motor)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2} \times \frac{M_f}{M_f + M_L}$$

c) The static load torgue M_L ,is constant and opposes or favours the rotation of the motor (except lifting of a load)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2}$$

Adjustment of the air-gap:

In order to obtain the same performance from the brake during its lifetime,the air-gap of the brake must be re-adjusted after a limited time of operation For the air-gap and the time interval of the adjustment please contact us.

Selection Example:
The maximum admitted time for braking 0,5 s
Motor speed: 1400 rpm
Total inertia reduced at motor shaft: 0,08 kgm^2

Required operating torque:50 Nm
Nature of load: Load direction is same as motor direction(Unloading process: Start-stop time per hour :30)

$$M_{fc} = \frac{\left(2\,\pi \times 1400 \div 60\right)}{0,5 \times 0,995} + 50 = 73,6\ \text{Nm}$$

$$M_f = 73,6 \times 2 = 147,2\ \text{Nm}$$

From the brake selection table a standard brake of 150 Nm is selected.
Necessary thermal capacity

$$L = \frac{0,08 \times (2\pi \times 1400 \div 60)^2}{2} \times \left(\frac{147,2}{147,2 - 50}\right)$$

=1302,0<18000 Joule (from 150 Nm curve)
The selected brake with 150 Nm is suitable.

Thermische Kapazität der Bremsen

Nach den oben genannten Berechnungen muss die thermische Kapazität überprüft werden. Die Wärme, d.h. die gebrauchte Energie L, wird mit den folgenden Formeln berechnet. Die gerechneten Werte von Kapazitäten sollen unter der Grenzkurve ''Thermische Kapazität Grenzwerte'' der gewählten Bremse liegen.

a) Konstantes Belastungsmoment M_L, das die Motordrehung fördert (Herunterlassen der Last)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2} \times \left(\frac{M_f}{M_f - M_L}\right)$$

b) Konstantes Belastungsmoment M_L , das sich entgegen der Motordrehung widersetzt (Aufheben der Last)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2} \times \frac{M_f}{M_f + M_L}$$

c) Konstantes Belastungsmoment M_L , das sich gegen die Motorbewegung widersetzt oder die Motorrotation fördert (Konstante Verminderung oder Erhöhung der Motorgeschwindigkeit, kein Herunterlassen oder Aufheben der Last)

$$L = \frac{I_{tot} \times (2\,\pi \times n_0 \div 60)^2}{2}$$

Einstellung des Luftspaltes:

Um eine immer konstant bleibende Bremsfähigkeit zu erhalten, muss der Luftspalt nach einer bestimmten Arbeitszeit neu eingestellt werden. Für die Bestimmung des Luftspaltes und die Einstellzeiten bitten wir Sie um Rückfrage.

Beispiel für eine Auswahl:
Die höchste zulässige Bremszeit: 0,5 s
Motordrehzahl: 1400 U/min
Gesamtträgheit der rotierenden Teile: 0,08 kgm^2
Das auf das System wirkende Drehmoment: 50 Nm
Belastungsart: Drehmoment, das die Motorrotation fördert (Herunterlassen der Last)
Betätigungen pro Stunde:30

$$M_{fc} = \frac{\left(2\,\pi \times 1400 \div 60\right)}{0,5 \times 0,995} + 50 = 73,6\ \text{Nm}$$

$$M_f = 73,6 \times 2 = 147,2\ \text{Nm}$$

Eine Bremse von 150 Nm kann man auswählen.

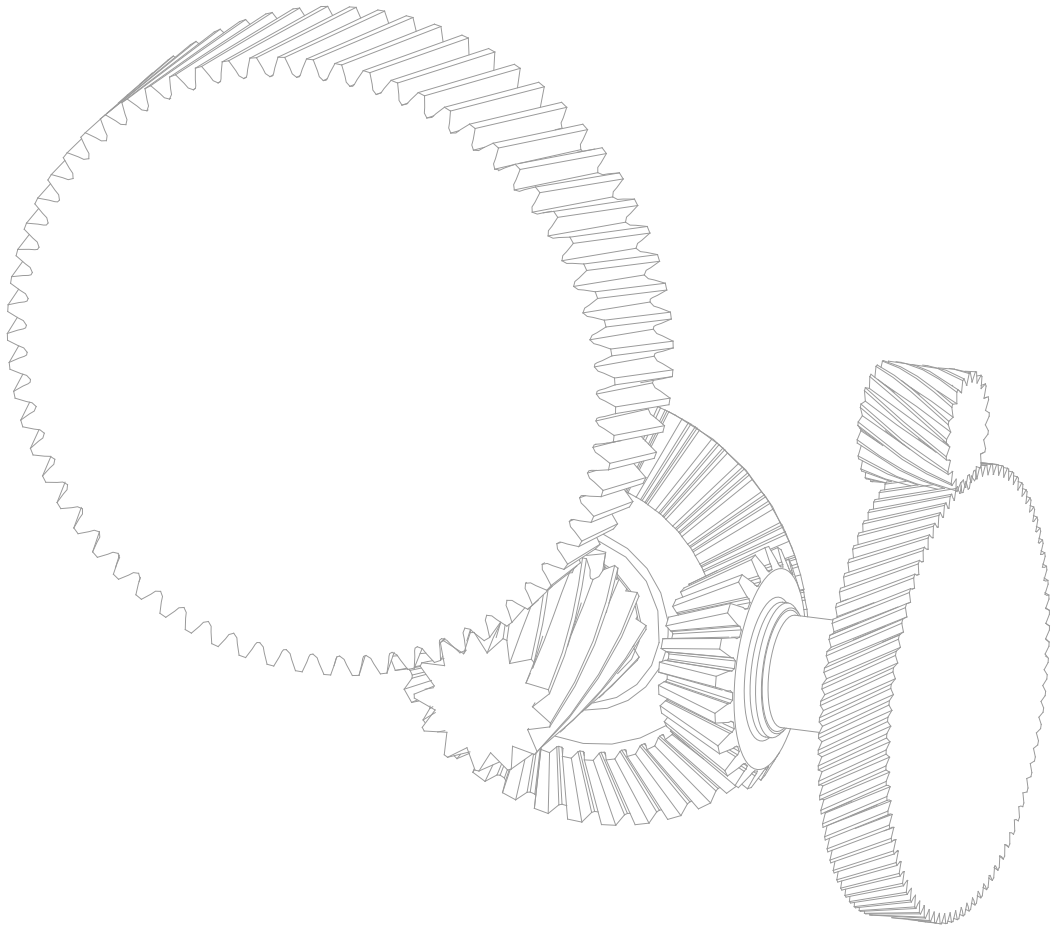
Die thermische Kapazität;

$$L = \frac{0,08 \times (2\pi \times 1400 \div 60)^2}{2} \times \left(\frac{147,2}{147,2 - 50}\right)$$

=1302,0<18000 Joule (von 150 Nm Kurve) Die ausgewählte 150 Nm Bremse ist ausreichend.

Notlar / *Notes* / Notizen

Performances

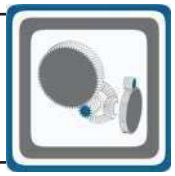


Leistung und Drehzahlübersicht

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,12 0,16	0,24 0,34 0,38 0,50 0,59	3625 2626 2335 1792 1516	**5587,93** **4047,32** **3597,31** **2755,47** **2328,84**	7240 23398 26003 29938 31626	0,7 1,0 1,2 1,5 1,8	**KR576-G63/4a**	0,41	156	160	IE1
	0,61 0,72 1,0	1484 1255 909	**2236,28** **1890,04** **1368,95**	31807 33033 34685	1,8 2,2 3,0	**KR575-G63/4a**	0,41	151	160	IE1
	0,48 0,51 0,55 0,63	1872 1740 1629 1428	**2873,07** **2663,91** **2495,47** **2183,54**	13041 14648 15826 17680	0,8 0,9 1,0 1,1	**KR476-G63/4a**	0,41	113	148	IE1
	0,77 0,92 1,0 1,1 1,2 1,4 1,5 1,6	1174 981 927 811 762 648 602 564	**1767,90** **1476,60** **1395,04** **1218,61** **1142,99** **971,77** **901,03** **844,06**	19651 20883 21205 21859 22124 22698 22917 23096	1,3 1,6 1,7 1,9 2,0 2,4 2,6 2,7	**KR475-G63/4a**	0,41	109	148	IE1
	0,80 0,91 1,0 1,2	1104 977 913 773	**1699,70** **1500,87** **1401,91** **1184,90**	7414 9855 10823 12605	0,7 0,8 0,9 1,1	**KR376-G63/4a**	0,41	68	136	IE1
	1,2 1,4 1,7 2,0 2,3 2,5 2,9 3,1	728 644 542 461 395 358 317 296	**1094,97** **968,01** **814,20** **692,22** **593,11** **536,75** **473,96** **442,71**	13096 13938 14798 15452 15919 16168 16429 16555	1,1 1,3 1,5 1,8 2,1 2,3 2,6 2,8	**KR375-G63/4a**	0,41	64	136	IE1
	1,0 1,2	877 742	**1347,72** **1139,09**	13774 14977	0,7 0,8	**KR286-G63/4a**	0,41	49	124	IE1
	1,3 1,5 1,7 2,1 2,4 2,6 3,0 3,2 3,8	698 618 520 442 379 343 304 284 240	**1052,64** **930,59** **782,73** **665,46** **570,18** **516,00** **455,64** **425,60** **359,71**	15307 15898 16527 16974 17307 17484 17670 17759 17948	0,9 1,0 1,2 1,4 1,6 1,7 2,0 2,1 2,5	**KR285-G63/4a**	0,41	49	124	IE1
	1,5 1,9	574 479	**881,79** **735,42**	11145 11863	0,8 0,9	**KR276-G63/4a**	0,41	30	112	IE1
	1,9 2,0 2,4	479 449 382	**719,79** **675,13** **573,99**	11862 12064 12488	0,9 1,0 1,2	**KR275-G63/4a**	0,41	29	112	IE1

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,12	2,7	332	**498,55**	12772	1,4	**KR275-G63/4a**	0,41	29	112	IE1
0,16	3,1	291	**436,24**	12990	1,5					
	3,8	241	**360,73**	13234	1,9					
	4,5	201	**300,85**	13412	2,2					
	5,4	168	**252,20**	13557	2,7					
	6,3	145	**215,91**	13646	3,1					
	6,8	134	**200,35**	13683	3,4					
	10	89	**131,68**	14145	4,0					
	9,9	106	**138,53**	10316	2,6	**KR203-G63/4a**	0,41	26	104	IE1
	11	92	**119,62**	9906	3,0					
	11	99	**129,27**	6729	1,4	**KR103-G63/4a**	0,41	15	100	IE1
	12	89	**116,34**	6883	1,6					
	13	81	**105,26**	7001	1,7					
	15	68	**88,87**	7157	2,1					
	18	59	**76,13**	7256	2,4					
	20	52	**67,22**	7315	2,7					
	22	48	**62,79**	7342	2,9					
	11	93	**120,91**	3531	0,9	**KR003-G63/4a**	0,41	15	96	IE1
	14	75	**98,44**	4201	1,1					
	15	69	**89,62**	4408	1,2					
	17	62	**80,66**	4585	1,3					
	20	52	**67,44**	4810	1,5					
	24	44	**57,16**	4944	1,8					
	28	38	**48,93**	5038	2,1					
	30	35	**45,41**	5072	2,3					
	39	27	**35,34**	4972	2,9					
	46	23	**29,95**	4742	3,5					
	53	20	**25,64**	4532	4,0					
	57	18	**23,79**	4433	4,0					
	69	15	**19,88**	4199	4,0	**KR002-G63/4a**	0,41	14	96	IE1
	84	13	**16,18**	3946	4,0					
	93	11	**14,73**	3834	4,0					
	103	10	**13,26**	3712	4,0					
	123	8,6	**11,09**	3512	4,0					
	145	7,3	**9,40**	3334	4,0					
	170	6,3	**8,04**	3175	4,0					
	183	5,8	**7,46**	3101	4,0					
0,18	0,12	12027	**7938,12**	96372	1,2	**KR876-3E71M/6C**	0,55	646	196	IE3
0,25	0,13	10648	**7017,76**	101842	1,4	**KR876-2E71M/6B**	0,60	645		IE2
	0,16	8974	**5902,70**	107759	1,7					
	0,19	7644	**5018,35**	111973	2,0					
	0,22	6560	**4299,81**	115121	2,3					
	0,24	5943	**3891,23**	116636	2,5					
	0,27	5193	**3396,71**	118622	2,9					
	0,31	4585	**2996,39**	120155	3,3					
	0,35	4081	**2665,68**	121374	3,7					
	0,39	3658	**2387,89**	123281	4,0					
	0,45	3175	**2074,42**	128178	4,0					
	0,37	3766	**3597,31**	-	0,7	**KR576-G63/4b**	0,60	156	160	IE1
	0,49	2890	**2755,47**	20604	0,9					
	0,58	2445	**2328,84**	25068	1,1					
	0,60	2393	**2236,28**	25513	1,1	**KR575-G63/4b**	0,60	152	160	IE1
	0,71	2025	**1890,04**	28383	1,3					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,18 0,25	1,0 1,1 1,4 1,7	1467 1304 1002 848	**1368,95** **1216,74** **932,00** **787,70**	31902 32739 34264 34954	1,8 2,1 2,7 3,2	**KR575-G63/4b**	0,60	152	160	IE1
	0,76 0,91 1,0 1,1 1,2 1,4 1,5 1,6	1893 1583 1496 1309 1228 1045 971 909	**1767,90** **1476,60** **1395,04** **1218,61** **1142,99** **971,77** **901,03** **844,06**	12768 16283 17091 18641 19241 20486 20944 21342	0,8 1,0 1,0 1,2 1,3 1,5 1,6 1,7	**KR475-G63/4b**	0,60	110	148	IE1
	2,0 2,2 2,5 3,0 3,2	752 673 592 495 468	**472,63** **422,88** **371,35** **310,16** **293,03**	22172 22575 22937 23382 23501	2,1 2,3 2,6 3,1 3,3	**KR474-3E71M/6C** **KR474-2E71M/6B**	0,55 0,60	100 99	144	IE3 IE2
	1,2 1,4 1,6 1,9 2,3	1174 1038 874 744 638	**1094,97** **968,01** **814,20** **692,22** **593,11**	5584 8794 11365 12924 13987	0,7 0,8 0,9 1,1 1,3	**KR375-G63/4b**	0,60	70	136	IE1
	2,5 3,1 3,6	584 471 413	**367,43** **295,76** **259,36**	14465 15381 15796	1,4 1,7 2,0	**KR374-3E71M/6C** **KR374-2E71M/6B**	0,55 0,60	62 61	132	IE3 IE2
	3,6 4,5 5,2	406 327 287	**367,43** **295,76** **259,36**	15848 16367 16610	2,0 2,5 2,9	**KR374-G63/4b**	0,60	59	132	IE1
	1,7 2,0 2,4	839 714 612	**782,73** **665,46** **570,18**	14151 15200 15951	0,7 0,8 1,0	**KR285-G63/4b**	0,60	49	124	IE1
	2,6 3,3 3,7	561 452 396	**353,22** **284,33** **249,33**	16274 16924 17220	1,1 1,3 1,5	**KR284-3E71M/6C** **KR284-2E71M/6B**	0,55	47 46	120	IE3 IE2
	3,8 4,7 5,4 6,1	389 313 275 243	**353,22** **284,33** **249,33** **220,43**	17257 17626 17799 17935	1,5 1,9 2,2 2,5	**KR284-G63/4b**	0,60	44	120	IE1
	2,3 2,7 3,1 3,7 4,5 5,3 6,2 6,7	616 535 469 388 324 272 233 217	**573,99** **498,55** **436,24** **360,73** **300,85** **252,20** **215,91** **200,35**	10785 11448 11945 12451 12816 13085 13268 13343	0,7 0,8 1,0 1,2 1,4 1,7 1,9 2,1	**KR275-G63/4b**	0,60	29	112	IE1
	8,2 9,6	184 157	**113,65** **96,68**	13475 13588	2,4 2,9	**KR273-3E71M/6C** **KR273-2E71M/6B**	0,55 0,60	30 29	108	IE3 IE2

K Series Geared Motors Performance Tables
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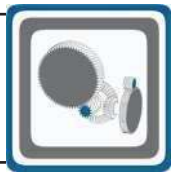

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,18 0,25	11	136	**83,48**	13672	3,3	**KR273-3E71M/6C** **KR273-2E71M/6B**	0,55 0,60	30 29	108	IE3 IE2
	12 14	127 109	**113,65** **96,68**	13715 13835	3,5 4,0	**KR273-G63/4b**	0,60	28	108	IE1
	6,7 7,8 8,9 9,5	236 204 179 168	**138,53** **119,62** **104,49** **98,01**	8627 9260 9670 9834	1,2 1,4 1,6 1,7	**KR203-3E71M/6C** **KR203-2E71M/6B**	0,55 0,60	19 18	104	IE3 IE2
	9,7 11 13 14 16	164 141 124 116 99	**138,53** **119,62** **104,49** **98,01** **83,32**	9866 9527 9212 9063 8687	1,7 2,0 2,3 2,4 2,8	**KR203-G63/4b**	0,60	26	104	IE1
	8,8 10	179 152	**105,26** **88,87**	4409 5481	0,8 0,9	**KR103-3E71M/6C** **KR103-2E71M/6B**	0,55 0,60	15 14	100	IE3 IE2
	10 12 13 15 18 20 21 25 30 35	152 137 124 105 90 80 74 63 53 45	**129,27** **116,34** **105,26** **88,87** **76,13** **67,22** **62,79** **53,07** **44,32** **38,22**	5455 5902 6228 6624 6873 7021 7086 6957 6622 6353	0,9 1,0 1,1 1,3 1,6 1,8 1,9 2,2 2,7 3,0	**KR103-G63/4b**	0,60	15	100	IE1
	15 17 20 23 27 30 38 45 52 56	106 95 80 68 58 54 42 36 30 28	**89,62** **80,66** **67,44** **57,16** **48,93** **45,41** **35,34** **29,95** **25,64** **23,79**	2782 3405 4058 4437 4678 4765 4802 4602 4415 4326	0,8 0,8 1,0 1,2 1,4 1,5 1,9 2,3 2,6 2,8	**KR003-G63/4b**	0,60	15	96	IE1
	67 83 91 101 121 143 167 180	24 19 18 16 13 11 9,7 9,0	**19,88** **16,18** **14,73** **13,26** **11,09** **9,40** **8,04** **7,46**	4113 3879 3775 3661 3471 3303 3150 3079	3,4 3,9 4,0 4,0 4,0 4,0 4,0 4,0	**KR002-G63/4b**	0,60	15	96	IE1
	213 254 300 351 378	7,5 6,2 5,3 4,5 4,2	**13,26** **11,09** **9,40** **8,04** **7,46**	2923 2764 2624 2498 2440	4,0 4,0 4,0 4,0 4,0	**KR002-G63/2a**	0,50	10	96	IE1

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K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,25	0,16	12585	**9052,24**	93983	1,2	**KR876-3E71M/4C**	0,67	648	196	IE3
0,34	0,18	11054	**7938,12**	100294	1,4	**KR876-2E71M/4B**	0,71	647		IE2
	0,20	9787	**7017,76**	104980	1,5					
	0,24	8248	**5902,70**	109927	1,8					
	0,29	7025	**5018,35**	113658	2,1					
	0,33	6029	**4299,81**	116464	2,5					
	0,37	5462	**3891,23**	117976	2,7					
	0,42	4773	**3396,71**	119816	3,1					
	0,48	4214	**2996,39**	121167	3,6					
	0,54	3751	**2665,68**	122163	4,0					
	0,60	3362	**2387,89**	126388	4,0					
	0,20	9930	**7156,22**	41071	0,8	**KR776-3E71M/4C**	0,67	392	184	IE3
	0,22	8858	**6380,72**	49391	0,9	**KR776-2E71M/4B**	0,71	391		IE2
	0,26	7801	**5610,63**	55893	1,0					
	0,32	6287	**4516,30**	63529	1,3					
	0,36	5522	**3960,44**	66795	1,4					
	0,41	4889	**3501,26**	69254	1,6					
	0,69	2961	**2066,04**	75548	2,7	**KR775-3E71M/4C**	0,67	392	184	IE3
	0,80	2556	**1786,65**	76703	3,1	**KR775-2E71M/4B**	0,71	391		IE2
	0,37	5341	**3844,04**	13985	0,8	**KR676-3E71M/4C**	0,67	318	172	IE3
	0,42	4729	**3398,35**	23714	0,9	**KR676-2E71M/4B**	0,71	317		IE2
	0,50	3986	**2858,39**	31305	1,1					
	0,59	3395	**2430,14**	35760	1,3					
	0,69	2914	**2082,19**	38846	1,5					
	0,77	2679	**1875,03**	40199	1,6	**KR675-3E71M/4C**	0,67	316	172	IE3
	0,90	2278	**1597,25**	42315	1,9	**KR675-2E71M/4B**	0,71	315		IE2
	1,0	1961	**1373,07**	43773	2,2					
	1,2	1703	**1191,60**	44927	2,5					
	1,4	1490	**1041,68**	45867	2,9					
	1,6	1311	**915,75**	46541	3,3					
	0,64	3169	**2236,28**	16952	0,9	**KR575-3E71M/4C**	0,67	156	160	IE3
	0,76	2681	**1890,04**	22886	1,0	**KR575-2E71M/4B**	0,71	155		IE2
	1,0	1942	**1368,95**	28913	1,4					
	1,2	1727	**1216,74**	30365	1,6					
	1,5	1327	**932,00**	32610	2,0					
	1,8	1123	**787,70**	33654	2,4					
	2,0	1060	**469,74**	33992	2,5	**KR574-3E71M/6D**	0,77	164	156	IE3
	2,3	897	**397,01**	34694	3,0	**KR574-2E71M/6C**	0,78	163		IE2
	1,0	1981	**1395,04**	11495	0,8	**KR475-3E71M/4C**	0,67	113	148	IE3
	1,2	1733	**1218,61**	14733	0,9	**KR475-2E71M/4B**	0,71	112		IE2
	1,3	1627	**1142,99**	15892	1,0					
	1,5	1384	**971,77**	18047	1,1					
	1,6	1286	**901,03**	18816	1,2					
	1,7	1204	**844,06**	19393	1,3					
	2,0	1067	**472,63**	20346	1,5	**KR474-3E71M/6D**	0,77	118	144	IE3
	2,2	954	**422,88**	21045	1,6	**KR474-2E71M/6C**	0,78	117		IE2
	2,5	839	**371,35**	21708	1,8					
	3,0	691	**472,63**	22459	2,2	**KR474-3E71M/4C**	0,67	98	144	IE3
	3,4	618	**422,88**	22819	2,5	**KR474-2E71M/4B**	0,71	97		IE2

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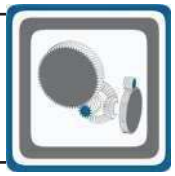

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,25 0,34	3,9 4,6	544 455	**371,35** **310,16**	23170 23565	2,9 3,4	**KR474-3E71M/4C** **KR474-2E71M/4B**	0,67 0,71	98 97	144	IE3 IE2
	2,1 2,4	985 844	**692,22** **593,11**	9709 11751	0,8 1,0	**KR375-3E71M/4C** **KR375-2E71M/4B**	0,67 0,71	72 71	136	IE3 IE2
	2,5 3,1 3,6	829 667 586	**367,43** **295,76** **259,36**	11952 13705 14452	1,0 1,2 1,4	**KR374-3E71M/6D** **KR374-2E71M/6C**	0,77 0,78	64 63	132	IE3 IE2
	3,9 4,9 5,5	537 432 380	**367,43** **295,76** **259,36**	14862 15638 16006	1,5 1,9 2,2	**KR374-3E71M/4C** **KR374-2E71M/4B**	0,67 0,71	64 63	132	IE3 IE2
	6,3 7,3 8,4	342 293 255	**148,75** **127,30** **110,61**	16244 16551 16778	2,4 2,8 3,2	**KR373-3E71M/6D** **KR373-2E71M/6C**	0,77 0,78	59 58	128	IE3 IE2
	3,3 3,7	641 563	**284,33** **249,33**	15743 16265	0,9 1,1	**KR284-3E71M/6D** **KR284-2E71M/6C**	0,77 0,78	48 47	120	IE3 IE2
	4,1 5,0 5,8	516 415 365	**353,22** **284,33** **249,33**	16555 17122 17382	1,2 1,4 1,6	**KR284-3E71M/4C** **KR284-2E71M/4B**	0,67 0,71	47 46	120	IE3 IE2
	6,5 7,6 8,7	329 282 245	**143,00** **122,38** **106,33**	17555 17770 17928	1,8 2,1 2,4	**KR283-3E71M/6D** **KR283-2E71M/6C**	0,77 0,78	37 36	116	IE3 IE2
	4,0 4,8 5,7 6,6 7,2	514 429 360 309 287	**360,73** **300,85** **252,20** **215,91** **200,35**	11610 12197 12602 12885 12999	0,9 1,0 1,3 1,5 1,6	**KR275-3E71M/4C** **KR275-2E71M/4B**	0,67 0,71	34 33	112	IE3 IE2
	8,2 9,6 11	262 223 193	**113,65** **96,68** **83,48**	13120 13304 13438	1,7 2,0 2,3	**KR273-3E71M/6D** **KR273-2E71M/6C**	0,77 0,78	24 23	108	IE3 IE2
	13 15 17 20	169 144 125 109	**113,65** **96,68** **83,48** **72,92**	13539 13640 13715 13811	2,7 3,1 3,6 4,0	**KR273-3E71M/4C** **KR273-2E71M/4B**	0,67 0,71	32 31	108	IE3 IE2
	6,7 7,8 8,9 9,5	329 284 249 233	**138,53** **119,62** **104,49** **98,01**	5687 7369 8343 8691	0,9 1,0 1,1 1,2	**KR203-3E71M/6D** **KR203-2E71M/6C**	0,77 0,78	30 29	104	IE3 IE2
	10 12 14 15 17	213 184 161 151 129	**138,53** **119,62** **104,49** **98,01** **83,32**	9100 8885 8634 8512 8200	1,3 1,5 1,7 1,9 2,2	**KR203-3E71M/4C** **KR203-2E71M/4B**	0,67 0,71	29 28	104	IE3 IE2

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Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,25	20	112	**72,37**	7923	2,5	**KR203-3E71M/4C**	0,67	29	104	IE3
0,34	23	98	**63,33**	7660	2,9	**KR203-2E71M/4B**	0,71	28		IE2
	27	81	**52,37**	7287	3,5					
	12	179	**116,34**	4438	0,8	**KR103-3E71M/4C**	0,67	16	100	IE3
	14	162	**105,26**	5147	0,9	**KR103-2E71M/4B**	0,71	15		IE2
	16	137	**88,87**	5917	1,0					
	19	117	**76,13**	6381	1,2					
	21	104	**67,22**	6648	1,4					
	23	97	**62,79**	6765	1,4					
	27	82	**53,07**	6580	1,7					
	32	68	**44,32**	6290	2,0					
	38	59	**38,22**	6052	2,3					
	41	54	**35,22**	5922	2,5					
	44	51	**32,90**	5814	2,6					
	52	43	**27,81**	5551	2,9					
	56	40	**25,50**	6012	3,0	**KR102-3E71M/4C**	0,67	16	100	IE3
	68	33	**21,25**	5638	3,5	**KR102-2E71M/4B**	0,71	15		IE2
	75	30	**19,13**	5434	3,7					
	21	104	**67,44**	2913	0,8	**KR003-3E71M/4C**	0,67	16	96	IE3
	25	88	**57,16**	3732	0,9	**KR003-2E71M/4B**	0,71	15		IE2
	29	75	**48,93**	4200	1,1					
	32	70	**45,41**	4366	1,1					
	41	55	**35,34**	4498	1,5					
	48	46	**29,95**	4334	1,7					
	56	40	**25,64**	4176	2,0					
	60	37	**23,79**	4100	2,2					
	72	31	**19,88**	3912	2,6	**KR002-3E71M/4C**	0,67	15	96	IE3
	89	25	**16,18**	3704	3,0	**KR002-2E71M/4B**	0,71	14		IE2
	97	23	**14,73**	3610	3,2					
	108	21	**13,26**	3507	3,6					
	129	17	**11,09**	3334	4,0					
	153	15	**9,40**	3178	4,0					
	178	13	**8,04**	3036	4,0					
	192	12	**7,46**	2970	4,0					
	193	12	**14,73**	2969	4,0	**KR002-G63/2b**	0,67	15	96	IE1
	214	10	**13,26**	2877	4,0					
	256	8,7	**11,09**	2725	4,0					
	302	7,4	**9,40**	2590	4,0					
	353	6,3	**8,04**	2469	4,0					
	380	5,8	**7,46**	2412	4,0					
0,37	0,14	22198	**6741,12**	68563	0,9	**KR976-3E80M/6B**	1,03	1100	208	IE3
0,50	0,17	17632	**5350,83**	78718	1,1	**KR976-2E80M/6A**	1,08	1098		IE2
	0,22	13835	**4189,63**	85543	1,4					
	0,27	11582	**3499,30**	89007	1,7					
	0,28	10950	**3306,00**	89904	1,8					
	0,33	9323	**2811,23**	92132	2,1					
	0,40	7807	**2348,01**	93967	2,6					
	0,42	7381	**2218,31**	94484	2,7					
	0,47	6611	**1985,89**	95380	3,0					
	0,59	5383	**1585,92**	96726	3,7	**KR975-3E80M/6B**	1,03	1095	208	IE3
	0,65	4836	**1423,89**	97895	4,0	**KR975-2E80M/6A**	1,08	1093		IE2

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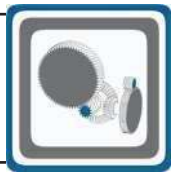

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,37 0,50	0,24 0,29 0,33 0,37 0,42 0,48 0,54 0,60 0,69	12585 10719 9199 8334 7282 6429 5723 5130 4453	**5902,70** **5018,35** **4299,81** **3891,23** **3396,71** **2996,39** **2665,68** **2387,89** **2074,42**	93986 101578 107005 109836 112900 115362 117288 118834 120596	1,2 1,4 1,6 1,8 2,1 2,3 2,6 2,9 3,4	**KR876-3E71M/4D** **KR876-2E71M/4C**	0,97 1,00	648 647	196	IE3 IE2
	0,76 0,86 0,96	4136 3661 3276	**1891,08** **1671,18** **1495,27**	121282 123252 127227	3,6 4,0 4,0	**KR875-3E71M/4D** **KR875-2E71M/4C**	0,97 1,00	646 645	196	IE3 IE2
	0,32 0,36 0,41	9593 8426 7460	**4516,30** **3960,44** **3501,26**	43792 52309 57772	0,8 0,9 1,1	**KR776-3E71M/4D** **KR776-2E71M/4C**	0,97 1,00	390 389	184	IE3 IE2
	0,69 0,80 0,93 1,1 1,2	4518 3900 3380 2959 2611	**2066,04** **1786,65** **1547,01** **1353,02** **1192,77**	70492 72622 74285 75554 76552	1,8 2,1 2,4 2,7 3,1	**KR775-3E71M/4D** **KR775-2E71M/4C**	0,97 1,00	388 387	184	IE3 IE2
	0,59 0,69	5180 4446	**2430,14** **2082,19**	17163 26845	0,8 1,0	**KR676-3E71M/4D** **KR676-2E71M/4C**	0,97 1,00	251 250	172	IE3 IE2
	0,77 0,90 1,0 1,2 1,4 1,6 1,8 2,0 2,3	4088 3476 2991 2598 2273 2000 1770 1584 1394	**1875,03** **1597,25** **1373,07** **1191,60** **1041,68** **915,75** **809,27** **724,08** **635,86**	30390 35191 38300 40646 42341 43590 44633 45432 46212	1,1 1,2 1,4 1,7 1,9 2,2 2,4 2,7 3,1	**KR675-3E71M/4D** **KR675-2E71M/4C**	0,97 1,00	247 246	172	IE3 IE2
	1,0 1,2 1,5 1,8	2963 2635 2025 1713	**1368,95** **1216,74** **932,00** **787,70**	19659 23352 28381 30450	0,9 1,0 1,3 1,6	**KR575-3E71M/4D** **KR575-2E71M/4C**	0,97 1,00	186 184	160	IE3 IE2
	2,0 2,3 2,8	1618 1369 1136	**469,74** **397,01** **328,56**	31010 32395 33599	1,7 2,0 2,4	**KR574-3E80M/6B** **KR574-2E80M/6A**	1,03 1,08	161 160	156	IE3 IE2
	3,1 3,6	1049 887	**469,74** **397,01**	34013 34755	2,6 3,0	**KR574-3E71M/4D** **KR574-2E71M/4C**	0,97 1,00	153 152	156	IE3 IE2
	2,0 2,2 2,5	1628 1456 1280	**472,63** **422,88** **371,35**	15838 17441 18861	1,0 1,1 1,2	**KR474-3E80M/6B** **KR474-2E80M/6A**	1,03 1,08	100 99	144	IE3 IE2
	3,0 3,4 3,9	1055 944 830	**472,63** **422,88** **371,35**	20423 21109 21728	1,5 1,6 1,9	**KR474-3E71M/4D** **KR474-2E71M/4C**	0,97 1,00	98 97	144	IE3 IE2

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,37 0,50	4,6 4,9	694 656	**310,16** **293,03**	22447 22637	2,2 2,4	**KR474-3E71M/4D** **KR474-2E71M/4C**	0,97 1,00	98 97	144	IE3 IE2
	6,1 6,8 8,4	540 478 390	**153,47** **135,98** **110,65**	23177 23477 23849	2,9 3,2 4,0	**KR473-3E80M/6B** **KR473-2E80M/6A**	1,03 1,08	93 92	140	IE3 IE2
	3,1 3,6 3,9 4,9 5,5 6,3	1018 894 819 660 579 513	**295,76** **259,36** **367,43** **295,76** **259,36** **229,29**	9149 11098 12058 13757 14509 15058	0,8 0,9 1,0 1,2 1,4 1,6	**KR374-3E80M/6B** **KR374-2E80M/6A**	1,03 1,08	66 65	132	IE3 IE2
	7,3 8,4	447 389	**127,30** **110,61**	15535 15946	1,8 2,1	**KR373-3E80M/6B** **KR373-2E80M/6A**	1,03 1,08	62 61	128	IE3 IE2
	9,6 11 13	339 291 253	**148,75** **127,30** **110,61**	16272 16574 16807	2,4 2,8 3,2	**KR373-3E71M/4D** **KR373-2E71M/4C**	0,97 1,00	60 59	128	IE3 IE2
	5,0 5,8 6,5 7,7	634 556 492 415	**284,33** **249,33** **220,43** **185,40**	15791 16305 16694 17126	0,9 1,1 1,2 1,4	**KR284-3E71M/4D** **KR284-2E71M/4C**	0,97 1,00	48 47	120	IE3 IE2
	8,7	374	**106,33**	17337	1,6	**KR283-3E80M/6B** **KR283-2E80M/6A**	1,03 1,08	40 39	116	IE3 IE2
	10 12 14 15 19 22	326 279 243 214 172 151	**143,00** **122,38** **106,33** **93,50** **75,26** **66,00**	17569 17781 17938 18036 18203 18284	1,8 2,1 2,5 2,8 3,5 4,0	**KR283-3E71M/4D** **KR283-2E71M/4C**	0,97 1,00	38 37	116	IE3 IE2
	4,8 5,7 6,6 7,2	654 549 471 438	**300,85** **252,20** **215,91** **200,35**	10434 11342 11916 12141	0,7 0,8 1,0 1,0	**KR275-3E71M/4D** **KR275-2E71M/4C**	0,97 1,00	34 33	112	IE3 IE2
	9,6 11	340 294	**96,68** **83,48**	12719 12966	1,3 1,5	**KR273-3E80M/6B** **KR273-2E80M/6A**	1,03 1,08	44 43	108	IE3 IE2
	13 15 17 20 21 25 28 32	259 221 191 167 157 133 116 101	**113,65** **96,68** **83,48** **72,92** **68,40** **58,15** **50,51** **44,20**	13136 13317 13449 13549 13591 13683 13749 13953	1,7 2,0 2,4 2,7 2,9 3,4 3,9 4,0	**KR273-3E71M/4D** **KR273-2E71M/4C**	0,97 1,00	34 33	108	IE3 IE2
	9,5	345	**98,01**	4860	0,8	**KR203-3E80M/6B** **KR203-2E80M/6A**	1,03 1,08	33 32	104	IE3 IE2

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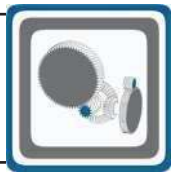

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,37	10	316	**138,53**	6243	0,9	**KR203-3E71M/4D**	0,97	30	104	IE3
0,50	12	273	**119,62**	7697	1,0	**KR203-2E71M/4C**	1,00	29		IE2
	14	239	**104,49**	7890	1,2					
	15	224	**98,01**	7817	1,2					
	17	191	**83,32**	7616	1,5					
	20	166	**72,37**	7420	1,7					
	23	145	**63,33**	7223	1,9					
	27	120	**52,37**	6929	2,3					
	33	100	**43,67**	6640	2,8					
	38	88	**38,16**	6424	3,2					
	19	174	**76,13**	4642	0,8	**KR103-3E71M/4D**	0,97	17	100	IE3
	21	154	**67,22**	5410	0,9	**KR103-2E71M/4C**	1,00	16		IE2
	23	144	**62,79**	5721	1,0					
	27	121	**53,07**	6138	1,2					
	32	102	**44,32**	5925	1,4					
	38	88	**38,22**	5740	1,5					
	41	81	**35,22**	5636	1,7					
	44	76	**32,90**	5548	1,7					
	52	64	**27,81**	5328	2,0					
	56	59	**25,50**	6095	2,0	**KR102-3E71M/4D**	0,97	17	100	IE3
	68	49	**21,25**	5709	2,3	**KR102-2E71M/4C**	1,00	16		IE2
	75	44	**19,13**	5498	2,5					
	83	40	**17,30**	5306	2,7					
	98	34	**14,61**	4997	3,2					
	32	104	**45,41**	2897	0,8	**KR003-3E71M/4D**	0,97	16	96	IE3
	41	81	**35,34**	4010	1,0	**KR003-2E71M/4C**	1,00	15		IE2
	48	69	**29,95**	4004	1,2					
	56	59	**25,64**	3897	1,4					
	60	55	**23,79**	3842	1,5					
	72	46	**19,88**	3696	1,7	**KR002-3E71M/4D**	0,97	16	96	IE3
	89	38	**16,18**	3530	2,0	**KR002-2E71M/4C**	1,00	15		IE2
	97	34	**14,73**	3453	2,2					
	108	31	**13,26**	3366	2,4					
	129	26	**11,09**	3217	2,9					
	153	22	**9,40**	3080	3,2					
	178	19	**8,04**	2952	3,5					
	192	17	**7,46**	2892	3,7					
	192	17	**14,73**	2894	3,5	**KR002-3E71M/2B**	0,86	15	96	IE3
	213	16	**13,26**	2810	3,9	**KR002-2E71M/2A**	0,90	14		IE2
	255	13	**11,09**	2670	4,0					
	301	11	**9,40**	2544	4,0					
	352	9,5	**8,04**	2430	4,0					
	379	8,8	**7,46**	2376	4,0					
0,55	0,22	21164	**6741,12**	71126	0,9	**KR976-3E80M/4C**	1,34	1105	208	IE3
0,75	0,27	16810	**5350,83**	80281	1,2	**KR976-2E80M/4B**	1,45	1103		IE2
	0,35	13191	**4189,63**	86503	1,5					
	0,41	11042	**3499,30**	89577	1,8					
	0,44	10439	**3306,00**	90570	1,9					
	0,52	8889	**2811,23**	92516	2,3					
	0,62	7443	**2348,01**	94410	2,7					
	0,65	7037	**2218,31**	94891	2,8					
	0,73	6303	**1985,89**	95727	3,2					

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Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,55	0,91	5132	**1585,92**	96993	3.9	**KR975-3E80M/4C**	1,34	1100	208	IE3
0,75	1,0	4611	**1423,89**	99024	4.0	**KR975-2E80M/4B**	1,45	1098		IE2
	0,43	10713	**3396,71**	101600	1,4	**KR876-3E80M/4C**	1,34	655	196	IE3
	0,48	9458	**2996,39**	106126	1,6	**KR876-2E80M/4B**	1,45	654		IE2
	0,54	8419	**2665,68**	109566	1,8					
	0,61	7546	**2387,89**	112266	2,0					
	0,70	6550	**2074,42**	115149	2,3					
	0,77	6084	**1891,08**	116259	2,5	**KR875-3E80M/4C**	1,34	651	196	IE3
	0,87	5385	**1671,18**	118129	2,8	**KR875-2E80M/4B**	1,45	650		IE2
	0,97	4820	**1495,27**	119576	3,1					
	1,1	4240	**1313,07**	121000	3,5					
	1,3	3549	**1096,71**	124461	4,0					
	1,5	3102	**957,34**	128847	4,0					
	0,70	6646	**2066,04**	61869	1,2	**KR775-3E80M/4C**	1,34	393	184	IE3
	0,81	5737	**1786,65**	65911	1,4	**KR775-2E80M/4B**	1,45	392		IE2
	0,94	4973	**1547,01**	68941	1,6					
	1,1	4353	**1353,02**	71183	1,8					
	1,2	3840	**1192,77**	72906	2,1					
	1,4	3409	**1058,16**	74160	2,3					
	1,5	3042	**943,49**	75280	2,6					
	1,7	2693	**833,78**	76295	3,0					
	1,9	2410	**746,01**	77083	3,3					
	0,91	5114	**1597,25**	18299	0,8	**KR675-3E80M/4C**	1,34	320	172	IE3
	1,1	4401	**1373,07**	27374	1,0	**KR675-2E80M/4B**	1,45	319		IE2
	1,2	3822	**1191,60**	32584	1,1					
	1,4	3344	**1041,68**	36109	1,3					
	1,6	2942	**915,75**	38680	1,5					
	1,8	2604	**809,27**	40614	1,7					
	2,0	2331	**724,08**	42051	1,8					
	2,3	2051	**635,86**	43418	2,1					
	2,6	1867	**363,81**	44261	2,3	**KR674-3E80M/6C**	1,47	206	168	IE3
	2,9	1652	**321,51**	45193	2,6	**KR674-2E80M/6B**	1,50	205		IE2
	3,4	1406	**273,88**	46204	3,1					
	4,0	1210	**235,44**	46959	3,6					
	1,6	2979	**932,00**	19523	0,9	**KR575-3E80M/4C**	1,34	154	160	IE3
	1,8	2521	**787,70**	24386	1,1	**KR575-2E80M/4B**	1,45	153		IE2
	2,0	2392	**469,74**	25521	1,1	**KR574-3E80M/6C**	1,47	158	156	IE3
	2,4	2025	**397,01**	28384	1,3	**KR574-2E80M/6B**	1,50	157		IE2
	2,8	1680	**328,56**	30658	1,6					
	3,1	1543	**469,74**	31472	1,8	**KR574-3E80M/4C**	1,34	155	156	IE3
	3,7	1305	**397,01**	32773	2,1	**KR574-2E80M/4B**	1,45	154		IE2
	4,4	1083	**328,56**	33884	2,5					
	5,2	927	**281,00**	34563	2,9					
	5,9	814	**246,42**	35063	3,3					
	2,5	1893	**371,35**	12782	0,8	**KR474-3E80M/6C**	1,47	102	144	IE3
						KR474-2E80M/6B	1,45	101		IE2

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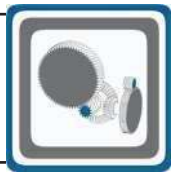
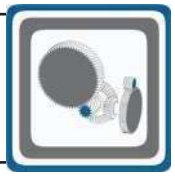


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,55 0,75	3,1 3,4 3,9 4,7 4,9	1552 1388 1220 1021 965	**472,63** **422,88** **371,35** **310,16** **293,03**	16587 18011 19300 20640 20983	1,0 1,1 1,3 1,5 1,6	**KR474-3E80M/4C** **KR474-2E80M/4B**	1,34 1,45	101 100	144	IE3 IE2
	6,1 6,9 8,4	800 709 578	**153,47** **135,98** **110,65**	21919 22395 23030	1,9 2,2 2,7	**KR473-3E80M/6C** **KR473-2E80M/6B**	1,47 1,50	94 93	140	IE3 IE2
	9,4 11 13	517 458 373	**153,47** **135,98** **110,65**	23280 23565 24142	3,0 3,4 4,0	**KR473-3E80M/4C** **KR473-2E80M/4B**	1,34 1,45	94 93	140	IE3 IE2
	4,9 5,6 6,3	971 852 754	**295,76** **259,36** **229,29**	9956 11651 12812	0,8 1,0 1,1	**KR374-3E80M/4C** **KR374-2E80M/4B**	1,34 1,45	67 66	132	IE3 IE2
	7,3 8,5 9,6	663 577 508	**127,30** **110,61** **97,26**	13748 14514 16830	1,2 1,4 1,6	**KR373-3E80M/6C** **KR373-2E80M/6B**	1,47 1,50	64 63	128	IE3 IE2
	11 13 15 19	428 372 328 264	**127,30** **110,61** **97,26** **78,29**	15691 16072 16338 16727	1,9 2,2 2,5 3,1	**KR373-3E80M/4C** **KR373-2E80M/4B**	1,34 1,45	63 62	128	IE3 IE2
	6,6 7,8	724 610	**220,43** **185,40**	15122 15962	0,8 1,0	**KR284-3E80M/4C** **KR284-2E80M/4B**	1,34 1,45	51 50	120	IE3 IE2
	8,8 10 12	554 488 393	**106,33** **93,50** **75,26**	16320 16830 17241	1,1 1,2 1,5	**KR283-3E80M/6C** **KR283-2E80M/6B**	1,47 1,50	41 40	116	IE3 IE2
	14 16 19 22 25 30	358 315 254 223 197 166	**106,33** **93,50** **75,26** **66,00** **58,35** **49,08**	17416 17620 17892 18021 18124 18243	1,7 1,9 2,4 2,7 3,0 3,6	**KR283-3E80M/4C** **KR283-2E80M/4B**	1,34 1,45	41 40	116	IE3 IE2
	7,2	644	**200,35**	10534	0,7	**KR275-3E80M/4C** **KR275-2E80M/4B**	1,34 1,45	38 37	112	IE3 IE2
	9,7 11 13	504 435 381	**96,68** **83,48** **72,92**	11685 12163 12494	0,9 1,0 1,2	**KR273-3E80M/6C** **KR273-2E80M/6B**	1,47 1,50	35 34	108	IE3 IE2
	15 17 20 21 25 29	325 281 246 231 196 171	**96,68** **83,48** **72,92** **68,40** **58,15** **50,51**	12809 13023 13197 13268 13423 13532	1,4 1,6 1,8 1,9 2,3 2,6	**KR273-3E80M/4C** **KR273-2E80M/4B**	1,34 1,45	37 36	108	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,55	33	149	**44,20**	13618	3,0	**KR273-3E80M/4C**	1,34	37	108	IE3
0,75	40	124	**36,55**	13718	3,6	**KR273-2E80M/4B**	1,45	36		IE2
	48	103	**30,48**	13923	4,0					
	14	352	**104,49**	4449	0,8	**KR203-3E80M/4C**	1,34	33	104	IE3
	15	330	**98,01**	5626	0,8	**KR203-2E80M/4B**	1,45	32		IE2
	17	281	**83,32**	6693	1,0					
	20	244	**72,37**	6625	1,1					
	23	214	**63,33**	6533	1,3					
	28	177	**52,37**	6363	1,6					
	33	148	**43,67**	6170	1,9					
	38	129	**38,16**	6014	2,2					
	46	107	**31,55**	5779	2,6					
	55	89	**26,31**	5545	3,0					
	61	82	**23,79**	6415	3,4	**KR202-3E80M/4C**	1,34	33	104	IE3
						KR202-2E80M/4B	1,45	32		IE2
	27	179	**53,07**	4428	0,8	**KR103-3E80M/4C**	1,34	20	100	IE3
	33	150	**44,32**	5348	0,9	**KR103-2E80M/4B**	1,45	19		IE2
	38	129	**38,22**	5246	1,0					
	41	119	**35,22**	5182	1,1					
	44	111	**32,90**	5125	1,2					
	52	94	**27,81**	4972	1,3					
	57	87	**25,50**	6186	1,4	**KR102-3E80M/4C**	1,34	20	100	IE3
	68	73	**21,25**	5786	1,6	**KR102-2E80M/4B**	1,45	19		IE2
	76	66	**19,13**	5567	1,7					
	84	59	**17,30**	5368	1,9					
	99	50	**14,61**	5050	2,2					
	116	43	**12,51**	4776	2,4					
	131	38	**11,05**	4568	2,6					
	140	35	**10,32**	4458	2,8					
	166	30	**8,72**	4200	3,2					
	48	101	**29,95**	3075	0,8	**KR003-3E80M/4C**	1,34	19	96	IE3
	57	87	**25,64**	3454	0,9	**KR003-2E80M/4B**	1,45	18		IE2
	61	80	**23,79**	3433	1,0					
	73	68	**19,88**	3355	1,2	**KR002-3E80M/4C**	1,34	19	96	IE3
	90	55	**16,18**	3255	1,4	**KR002-2E80M/4B**	1,45	18		IE2
	98	51	**14,73**	3203	1,5					
	109	45	**13,26**	3141	1,7					
	131	38	**11,09**	3029	2,0					
	154	32	**9,40**	2921	2,2					
	180	28	**8,04**	2816	2,3					
	194	26	**7,46**	2765	2,5					
	192	26	**14,73**	2775	2,3	**KR002-3E71M/2C**	1,19	16	96	IE3
	213	23	**13,26**	2703	2,6	**KR002-2E71M/2B**	1,25	15		IE2
	255	19	**11,09**	2581	3,1					
	301	17	**9,40**	2469	3,3					
	352	14	**8,04**	2366	3,9					
	379	13	**7,46**	2316	4,0					
0,75	0,27	22923	**5350,83**	66697	0,9	**KR976-3E80M/4D**	1,77	1106	208	IE3
1,0	0,35	17987	**4189,63**	78083	1,1	**KR976-2E80M/4C**	1,89	1104		IE2
	0,41	15057	**3499,30**	83385	1,3					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,75	0,44	14236	**3306,00**	84954	1,4	**KR976-3E80M/4D**	1,77	1106	208	IE3
1,0	0,52	12121	**2811,23**	88156	1,7	**KR976-2E80M/4C**	1,89	1104		IE2
	0,62	10149	**2348,01**	90949	2,0					
	0,65	9596	**2218,31**	91693	2,1					
	0,73	8595	**1985,89**	92986	2,3					
	0,91	6998	**1585,92**	94798	2,9	**KR975-3E80M/4D**	1,77	1101	208	IE3
	1,0	6287	**1423,89**	95673	3,2	**KR975-2E80M/4C**	1,89	1099		IE2
	1,2	5356	**1213,78**	96738	3,7					
	1,4	4726	**1070,02**	98524	4,0					
	0,48	12897	**2996,39**	92600	1,2	**KR876-3E80M/4D**	1,77	653	196	IE3
	0,54	11481	**2665,68**	98610	1,3	**KR876-2E80M/4C**	1,89	651		IE2
	0,61	10290	**2387,89**	103170	1,5					
	0,70	8932	**2074,42**	107899	1,7					
	0,77	8296	**1891,08**	109774	1,8	**KR875-3E80M/4D**	1,77	651	196	IE3
	0,87	7344	**1671,18**	112719	2,0	**KR875-2E80M/4C**	1,89	649		IE2
	0,97	6572	**1495,27**	114961	2,3					
	1,1	5781	**1313,07**	117134	2,6					
	1,3	4840	**1096,71**	119567	3,1					
	1,5	4230	**957,34**	121059	3,5					
	1,7	3735	**844,51**	122416	4,0					
	1,9	3326	**751,30**	126745	4,0					
	0,70	9063	**2066,04**	47924	0,9	**KR775-3E80M/4D**	1,77	393	184	IE3
	0,81	7823	**1786,65**	55767	1,0	**KR775-2E80M/4C**	1,89	391		IE2
	0,94	6781	**1547,01**	61224	1,2					
	0,70	9108	**1353,02**	47716	0,9					
	1,2	5237	**1192,77**	67929	1,5					
	1,4	4649	**1058,16**	70135	1,7					
	1,5	4148	**943,49**	71790	1,9					
	1,7	3672	**833,78**	73367	2,2					
	1,9	3286	**746,01**	74575	2,4					
	2,2	2891	**655,11**	75752	2,8					
	2,4	2751	**396,00**	76168	2,9	**KR774-3E90S/6B**	1,96	407	180	IE3
	2,7	2462	**354,32**	76974	3,2	**KR774-2E90S/6A**	2,00	405		IE2
	3,0	2166	**311,14**	77769	3,7					
	1,2	5212	**1191,60**	16574	0,8	**KR675-3E80M/4D**	1,77	321	172	IE3
	1,4	4560	**1041,68**	25595	0,9	**KR675-2E80M/4C**	1,89	319		IE2
	1,6	4012	**915,75**	31082	1,1					
	1,8	3551	**809,27**	34652	1,2					
	2,0	3178	**724,08**	37206	1,4					
	2,3	2796	**635,86**	39536	1,5					
	2,6	2519	**363,81**	41003	1,7	**KR674-3E90S/6B**	1,96	301	168	IE3
	2,9	2229	**321,51**	42498	1,9	**KR674-2E90S/6A**	2,00	209		IE2
	3,5	1897	**273,88**	44120	2,3					
	4,0	1641	**363,81**	45192	2,6	**KR674-3E80M/4D**	1,77	296	168	IE3
	4,5	1453	**321,51**	45975	3,0	**KR674-2E80M/4C**	1,89	294		IE2
	5,3	1236	**273,88**	46829	3,5					

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Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,75 1,0	2,0 2,4 2,9	3228 2732 2266	**469,74** **397,01** **328,56**	15989 22409 26563	0,8 1,0 1,2	**KR574-3E90S/6B** **KR574-2E90S/6A**	1,96 2,00	159 157	156	IE3 IE2
	3,1 3,7 4,4 5,2 5,9 6,1 6,9	2104 1780 1477 1264 1110 1071 953	**469,74** **397,01** **328,56** **281,00** **246,42** **237,97** **211,51**	27812 30031 31845 32943 33716 33906 34460	1,3 1,5 1,8 2,1 2,4 2,5 2,8	**KR574-3E80M/4D** **KR574-2E80M/4C**	1,77 1,89	156 154	156	IE3 IE2
	3,4 3,9 4,7 4,9	1893 1664 1392 1316	**422,88** **371,35** **310,16** **293,03**	12714 15500 17982 18590	0,8 0,9 1,1 1,2	**KR474-3E80M/4D** **KR474-2E80M/4C**	1,77 1,89	103 101	144	IE3 IE2
	6,2 6,9 8,5	1079 956 779	**153,47** **135,98** **110,65**	20234 21039 22009	1,4 1,6 2,0	**KR473-3E90S/6B** **KR473-2E90S/6A**	1,96 2,00	99 97	140	IE3 IE2
	9,4 11 13 15	706 625 510 451	**153,47** **135,98** **110,65** **97,79**	22412 22807 23324 23564	2,2 2,5 3,0 3,4	**KR473-3E80M/4D** **KR473-2E80M/4C**	1,77 1,89	95 93	140	IE3 IE2
	6,3	1028	**229,29**	8932	0,8	**KR374-3E80M/4D** **KR374-2E80M/4C**	1,77 1,89	68 66	132	IE3 IE2
	8,5 9,7	778 684	**110,61** **97,26**	12550 16200	1,1 1,2	**KR373-3E90S/6B** **KR373-2E90S/6A**	1,96 2,00	68 66	128	IE3 IE2
	13 15 19 21 24	509 448 361 317 280	**110,61** **97,26** **78,29** **68,65** **60,69**	15090 15527 16133 16415 16637	1,6 1,8 2,3 2,6 2,9	**KR373-3E80M/4D** **KR373-2E80M/4C**	1,77 1,89	64 62	128	IE3 IE2
	9,2	708	**157,62**	15248	0,8	**KR284-3E80M/4D** **KR284-2E80M/4C**	1,77 1,89	52 51	120	IE3 IE2
	10 13	658 530	**93,50** **75,26**	16200 16472	0,9 1,1	**KR283-3E90S/6B** **KR283-2E90S/6A**	1,96 2,00	45 44	116	IE3 IE2
	14 16 19 22 25 30 35 41	489 430 346 304 269 227 193 166	**106,33** **93,50** **75,26** **66,00** **58,35** **49,08** **41,72** **35,75**	16717 17044 17471 17670 17826 18005 18140 18245	1,2 1,4 1,7 2,0 2,2 2,6 3,1 3,6	**KR283-3E80M/4D** **KR283-2E80M/4C**	1,77 1,89	42 41	116	IE3 IE2

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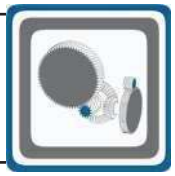

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,75	11	587	**83,48**	11033	0,8	**KR273-3E90S/6B**	1,96	36	108	IE3
1,0	13	513	**72,92**	11614	0,9	**KR273-2E90S/6A**	2,00	38		IE2
	15	444	**96,68**	12098	1,0	**KR273-3E80M/4D**	1,77	38	108	IE3
	17	384	**83,48**	12459	1,2	**KR273-2E80M/4C**	1,89	36		IE2
	20	336	**72,92**	12738	1,3					
	21	315	**68,40**	12851	1,4					
	25	268	**58,15**	13094	1,7					
	29	233	**50,51**	13261	1,9					
	33	204	**44,20**	13392	2,2					
	40	169	**36,55**	13541	2,7					
	48	141	**30,48**	13653	3,2					
	57	118	**25,55**	13799	3,6					
	63	107	**23,08**	13908	3,8					
	76	89	**19,08**	14143	4,0					
	20	334	**72,37**	5471	0,8	**KR203-3E80M/4D**	1,77	34	104	IE3
	23	292	**63,33**	5739	1,0	**KR203-2E80M/4C**	1,89	33		IE2
	28	242	**52,37**	5719	1,2					
	33	202	**43,67**	5643	1,4					
	38	177	**38,16**	5559	1,6					
	46	146	**31,55**	5408	1,9					
	55	122	**26,31**	5239	2,2					
	61	111	**23,79**	6507	2,5	**KR202-3E80M/4D**	1,77	34	104	IE3
	72	95	**20,23**	6133	3,0	**KR202-2E80M/4C**	1,89	33		IE2
	83	82	**17,47**	5815	3,3					
	41	163	**35,22**	4667	0,8	**KR103-3E80M/4D**	1,77	21	100	IE3
	44	152	**32,90**	4646	0,9	**KR103-2E80M/4C**	1,89	20		IE2
	52	128	**27,81**	4574	1,0					
	57	119	**25,50**	6298	1,0	**KR102-3E80M/4D**	1,77	21	100	IE3
	68	99	**21,25**	5884	1,2	**KR102-2E80M/4C**	1,89	20		IE2
	76	90	**19,13**	5658	1,2					
	84	81	**17,30**	5452	1,4					
	99	69	**14,61**	5123	1,6					
	116	59	**12,51**	4841	1,8					
	131	52	**11,05**	4626	1,9					
	140	49	**10,32**	4513	2,1					
	166	41	**8,72**	4247	2,3					
	199	34	**7,29**	3981	2,6					
	231	30	**6,28**	3776	3,0					
	261	26	**11,05**	3616	3,3	**KR102-3E80M/2B**	1,59	21	100	IE3
	279	24	**10,32**	3530	3,3	**KR102-2E80M/2A**	1,67	20		IE2
	73	93	**19,88**	2961	0,9	**KR002-3E80M/4D**	1,77	20	96	IE3
	90	76	**16,18**	2941	1,0	**KR002-2E80M/4C**	1,89	19		IE2
	98	69	**14,73**	2920	1,1					
	109	62	**13,26**	2890	1,2					
	131	52	**11,09**	2822	1,4					
	154	44	**9,40**	2747	1,6					
	180	38	**8,04**	2669	1,7					
	194	35	**7,46**	2630	1,9					

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
0,75 1,0	217 260 307 358 386	31 26 22 19 18	**13,26** **11,09** **9,40** **8,04** **7,46**	2573 2471 2375 2284 2240	1,9 2,3 2,5 2,9 3,1	**KR002-3E80M/2B** **KR002-2E80M/2A**	1,59 1,67	18 17	96	IE3 IE2
1,1 1,5	0,41 0,44 0,52 0,62 0,65 0,73	22084 20879 17778 14886 14074 12606	**3499,30** **3306,00** **2811,23** **2348,01** **2218,31** **1985,89**	68850 71762 78410 83727 85054 87308	0,9 1,0 1,1 1,3 1,4 1,6	**KR976-3E90S/4C** **KR976-2E90S/4B**	2,46 2,60	1111 1108	208	IE3 IE2
	0,91 1,0 1,2 1,4 1,5 1,7 2,0	10264 9221 7856 6931 6154 5491 4652	**1585,92** **1423,89** **1213,78** **1070,02** **949,26** **846,39** **715,34**	90719 92139 93883 94989 95953 96624 98886	1,9 2,2 2,5 2,9 3,3 3,6 4,0	**KR975-3E90S/4C** **KR975-2E90S/4B**	2,46 2,60	1106 1104	208	IE3 IE2
	0,77 0,87 0,97 1,1 1,3 1,5 1,7 1,9	12168 10771 9639 8479 7099 6204 5478 4878	**1891,08** **1671,18** **1495,27** **1313,07** **1096,71** **957,34** **844,51** **751,30**	95780 101381 105337 109373 113443 115988 117936 119473	1,2 1,4 1,6 1,8 2,1 2,4 2,7 3,1	**KR875-3E90S/4C** **KR875-2E90S/4B**	2,46 2,60	657 655	196	IE3 IE2
	0,94 1,1 1,2 1,4 1,5 1,7 1,9 2,2	9946 8706 7681 6819 6083 5385 4820 4241	**1547,01** **1353,02** **1192,77** **1058,16** **943,49** **833,78** **746,01** **655,11**	40762 50450 56568 61043 64432 67228 69510 71469	0,8 0,9 1,0 1,2 1,3 1,5 1,7 1,9	**KR775-3E90S/4C** **KR775-2E90S/4B**	2,46 2,60	399 397	184	IE3 IE2
	2,4 2,7 3,0 3,4	4057 3631 3194 2860	**396,00** **354,32** **311,14** **278,35**	72289 73579 74922 75898	2,0 2,2 2,5 2,8	**KR774-3E90L/6C** **KR774-2E90L/6B**	2,75 2,90	348 345	180	IE3 IE2
	3,7 4,1	2630 2354	**396,00** **354,32**	76498 77259	3,0 3,4	**KR774-3E90S/4C** **KR774-2E90S/4B**	2,46 2,60	370 368	180	IE3 IE2
	1,8 2,0 2,3	5208 4662 4101	**809,27** **724,08** **635,86**	16646 24408 30274	0,8 0,9 1,0	**KR675-3E90S/4C** **KR675-2E90S/4B**	2,46 2,60	257 255	172	IE3 IE2
	2,6 2,9 3,4	3714 3287 2797	**363,81** **321,51** **273,88**	33437 36489 39532	1,2 1,3 1,5	**KR674-3E90L/6C** **KR674-2E90L/6B**	2,75 2,90	271 268	168	IE3 IE2
	4,0 4,5	2407 2131	**363,81** **321,51**	41618 42965	1,8 2,0	**KR674-3E90S/4C** **KR674-2E90S/4B**	2,46 2,60	270 268	168	IE3 IE2

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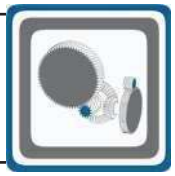
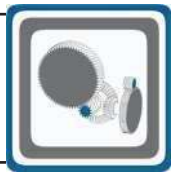
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
1,1 1,5	5,3 6,2 7,1	1813 1561 1357	**273,88** **235,44** **204,32**	44444 45531 46361	2,4 2,8 3,2	**KR674-3E90S/4C** **KR674-2E90S/4B**	2,46 2,60	270 268	168	IE3 IE2
	3,1 3,7 4,4 5,2 5,9 6,1 6,9 8,0 9,1 10 12	3085 2611 2166 1854 1629 1571 1397 1196 1051 931 785	**469,74** **397,01** **328,56** **281,00** **246,42** **237,97** **211,51** **180,90** **158,64** **140,24** **117,96**	18048 23598 27343 29553 30921 31286 32230 33290 34002 34561 35203	0,9 1,0 1,2 1,5 1,7 1,7 1,9 2,3 2,6 2,9 3,4	**KR574-3E90S/4C** **KR574-2E90S/4B**	2,46 2,60	159 157	156	IE3 IE2
	6,1 6,9 8,5	1594 1412 1151	**153,47** **135,98** **110,65**	16176 17815 19787	1,0 1,1 1,3	**KR473-3E90L/6C** **KR473-2E90L/6B**	2,75 2,90	102 99	140	IE3 IE2
	9,4 11 13 15 17 19 23	1036 918 748 662 592 521 436	**153,47** **135,98** **110,65** **97,79** **87,49** **76,83** **64,17**	20546 21262 22168 22607 22944 23291 23647	1,5 1,7 2,1 2,3 2,6 3,0 3,6	**KR473-3E90S/4C** **KR473-2E90S/4B**	2,46 2,60	101 99	140	IE3 IE2
	8,5 9,7 12	1148 1011 814	**110,61** **97,26** **78,29**	6284 9290 12120	0,7 0,8 1,0	**KR373-3E90L/6C** **KR373-2E90L/6B**	2,75 2,90	70 67	128	IE3 IE2
	13 15 19 21 24 28 33 39	746 657 529 465 411 346 295 253	**110,61** **97,26** **78,29** **68,65** **60,69** **51,05** **43,40** **37,19**	12896 13804 14925 15401 15789 16226 16549 16797	1,1 1,2 1,5 1,8 2,0 2,4 2,8 3,2	**KR373-3E90S/4C** **KR373-2E90S/4B**	2,46 2,60	70 68	128	IE3 IE2
	14 16 19 22 25 30 35 41 45	717 631 508 446 395 333 283 243 220	**106,33** **93,50** **75,26** **66,00** **58,35** **49,08** **41,72** **35,75** **32,35**	15179 15808 16599 16955 17229 17537 17764 17938 18032	0,8 1,0 1,2 1,3 1,5 1,8 2,1 2,5 2,7	**KR283-3E90S/4C** **KR283-2E90S/4B**	2,46 2,60	47 45	116	IE3 IE2
	17 20 21 25 29 33 40	564 493 463 393 342 300 248	**83,48** **72,92** **68,40** **58,15** **50,51** **44,20** **36,55**	11227 11753 11975 12402 12703 12933 13190	0,8 0,9 1,0 1,1 1,3 1,5 1,8	**KR273-3E90S/4C** **KR273-2E90S/4B**	2,46 2,60	43 41	108	IE3 IE2

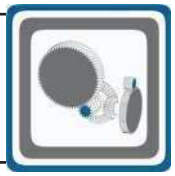
Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
1,1 1,5	48 57 63 76 91 109 121 146 175 209	207 174 158 131 109 92 82 68 57 48	**30,48** **25,55** **23,08** **19,08** **15,92** **13,34** **12,00** **9,92** **8,28** **6,94**	13378 13602 13741 13910 14034 14147 14158 13462 12819 12216	2,2 2,5 2,6 3,0 3,4 3,8 3,1 3,5 4,0 4,0	**KR273-3E90S/4C** **KR273-2E90S/4B**	2,46 2,60	43 41	108	IE3 IE2
	28 33 38 46 55	355 297 259 215 179	**52,37** **43,67** **38,16** **31,55** **26,31**	4248 4663 4718 4726 4680	0,8 0,9 1,1 1,3 1,5	**KR203-3E90S/4C** **KR203-2E90S/4B**	2,46 2,60	39 37	104	IE3 IE2
	61 72 83 95 101 119 137	163 139 120 105 99 84 73	**23,79** **20,23** **17,47** **15,26** **14,32** **12,17** **10,57**	6646 6258 5927 5639 5508 5189 4930	1,7 2,0 2,2 2,5 2,6 2,9 3,2	**KR202-3E90S/4C** **KR202-2E90S/4B**	2,46 2,60	38 36	104	IE3 IE2
	64 75	155 133	**14,61** **12,51**	5374 5814	0,8 0,9	**KR102-3E90L/6C** **KR102-2E90L/6B**	2,75 2,90	29 26	100	IE3 IE2
	84 99 116 131 140 166 199 231	119 101 86 76 71 60 50 43	**17,30** **14,61** **12,51** **11,05** **10,32** **8,72** **7,29** **6,28**	5580 5236 4942 4719 4601 4324 4047 3834	0,9 1,1 1,2 1,3 1,4 1,6 1,8 2,1	**KR102-3E90S/4C** **KR102-2E90S/4B**	2,46 2,60	25 23	100	IE3 IE2
	261 279 330 395 458	38 36 30 25 22	**11,05** **10,32** **8,72** **7,29** **6,28**	3668 3579 3369 3159 2997	2,2 2,2 2,6 3,0 3,2	**KR102-3E80M/2C** **KR102-2E80M/2B**	2,26 2,36	21 19	100	IE3 IE2
	109 131 154 180 194	91 76 65 56 52	**13,26** **11,09** **9,40** **8,04** **7,46**	2421 2439 2428 2400 2382	0,8 1,0 1,1 1,2 1,3	**KR002-3E90S/4C** **KR002-2E90S/4B**	2,46 2,60	25 23	96	IE3 IE2
	217 260 307 358 386	46 38 33 28 26	**13,26** **11,09** **9,40** **8,04** **7,46**	2353 2290 2223 2155 2121	1,3 1,6 1,7 2,0 2,1	**KR002-3E80M/2C** **KR002-2E80M/2B**	2,26 2,36	20 18	96	IE3 IE2
1,5 2,0	0,52 0,62 0,65	24242 20299 19192	**2811,23** **2348,01** **2218,31**	63087 73153 75519	0,8 1,0 1,0	**KR976-3E90L/4D** **KR976-2E90L/4C**	3,30 3,40	1113 1110	208	IE3 IE2



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
1,5 2,0	0,73	17190	**1985,89**	79582	1,2	**KR976-3E90L/4D** **KR976-2E90L/4C**	3,30 3,40	1113 1110	208	IE3 IE2
	0,91 1,0 1,2 1,4 1,5 1,7 2,0	13996 12575 10712 9452 8391 7487 6344	**1585,92** **1423,89** **1213,78** **1070,02** **949,26** **846,39** **715,34**	85179 87431 90163 91875 93313 94358 95683	1,4 1,6 1,9 2,1 2,4 2,7 3,2	**KR975-3E90L/4D** **KR975-2E90L/4C**	3,30 3,40	1108 1105	208	IE3 IE2
	0,97 1,1 1,3 1,5 1,7 1,9	13144 11563 9680 8460 7470 6652	**1495,27** **1313,07** **1096,71** **957,34** **844,51** **751,30**	91475 98281 100689 104678 107455 109747	1,1 1,3 1,5 1,8 2,0 2,3	**KR875-3E90L/4D** **KR875-2E90L/4C**	3,30 3,40	659 658	196	IE3 IE2
	2,2 2,5 2,8	6023 5282 4681	**438,70** **383,99** **339,70**	111593 113316 114765	2,5 2,8 3,2	**KR874-3E100L/6B** **KR874-2E100L/6A**	3,50 3,72	895 892	192	IE3 IE2
	1,4 1,5 1,7 1,9 2,2	9298 8295 7344 6573 5783	**1058,16** **943,49** **833,78** **746,01** **655,11**	46159 52976 58389 62215 65720	0,9 1,0 1,1 1,2 1,4	**KR775-3E90L/4D** **KR775-2E90L/4C**	3,30 3,40	428 427	184	IE3 IE2
	2,4 2,7 3,1 3,4	5445 4873 4287 3839	**396,00** **354,32** **311,14** **278,35**	66988 69216 71333 72930	1,5 1,6 1,9 2,1	**KR774-3E100L/6B** **KR774-2E100L/6A**	3,50 3,72	414 411	180	IE3 IE2
	3,7 4,1 4,7 5,2 6,0	3586 3210 2823 2529 2184	**396,00** **354,32** **311,14** **278,35** **240,71**	73641 74809 75948 76780 77712	2,2 2,5 2,8 3,2 3,7	**KR774-3E90L/4D** **KR774-2E90L/4C**	3,30 3,40	410 409	180	IE3 IE2
	2,6 3,0 3,5	4984 4412 3754	**363,81** **321,51** **273,88**	20305 27178 33125	0,9 1,0 1,1	**KR674-3E100L/6B** **KR674-2E100L/6A**	3,50 3,72	308 305	168	IE3 IE2
	4,0 4,5 5,3 6,2 7,1 8,1 9,2	3283 2906 2472 2129 1850 1619 1425	**363,81** **321,51** **273,88** **235,44** **204,32** **178,62** **157,02**	36521 38894 41257 42977 44279 45286 46088	1,3 1,5 1,7 2,0 2,3 2,7 3,0	**KR674-3E90L/4D** **KR674-2E90L/4C**	3,30 3,40	303 302	168	IE3 IE2
	4,4 5,2 5,9 6,1 6,9	2954 2528 2221 2142 1906	**328,56** **281,00** **246,42** **237,97** **211,51**	19787 24321 26922 27526 29208	0,9 1,1 1,2 1,3 1,4	**KR574-3E90L/4D** **KR574-2E90L/4C**	3,30 3,40	163 162	156	IE3 IE2

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
1,5	7,6	1751	**125,51**	30219	1,5	**KR573-3E100L/6B**	3,50	155	152	IE3
2,0	8,7	1534	**109,86**	31473	1,8	**KR573-2E100L/6A**	3,72	152		IE2
	9,8	1359	**97,19**	32492	2,0					
	12	1150	**82,14**	33561	2,3					
	14	943	**67,37**	34510	2,9					
	16	834	**59,49**	34996	3,2					
	8,6	1545	**110,65**	16645	1,0	**KR473-3E100L/6B**	3,50	109	140	IE3
						KR473-2E100L/6A	3,72	106		IE2
	9,4	1414	**153,47**	17802	1,1	**KR473-3E90L/4D**	3,30	103	140	IE3
	11	1252	**135,98**	19067	1,2	**KR473-2E90L/4C**	3,40	102		IE2
	13	1021	**110,65**	20637	1,5					
	15	903	**97,79**	21344	1,7					
	17	808	**87,49**	21845	1,9					
	19	711	**76,83**	22362	2,2					
	23	595	**64,17**	22934	2,6					
	24	562	**60,63**	23086	2,8					
	13	1019	**110,61**	9109	0,8	**KR373-3E90L/4D**	3,30	72	128	IE3
	15	897	**97,26**	11080	0,9	**KR373-2E90L/4C**	3,40	71		IE2
	19	722	**78,29**	13151	1,1					
	21	634	**68,65**	13994	1,3					
	24	561	**60,69**	14661	1,5					
	28	473	**51,05**	15340	1,7					
	33	402	**43,40**	15850	2,0					
	39	345	**37,19**	16233	2,4					
	43	313	**33,65**	16440	2,6					
	19	694	**75,26**	15355	0,9	**KR283-3E90L/4D**	3,30	48	116	IE3
	22	609	**66,00**	15969	1,0	**KR283-2E90L/4C**	3,40	47		IE2
	25	539	**58,35**	16413	1,1					
	30	454	**49,08**	16912	1,3					
	35	387	**41,72**	17272	1,6					
	41	332	**35,75**	17542	1,8					
	45	300	**32,35**	17687	2,0					
	25	537	**58,15**	11437	0,8	**KR273-3E90L/4D**	3,30	45	108	IE3
	29	467	**50,51**	11945	1,0	**KR273-2E90L/4C**	3,40	44		IE2
	33	409	**44,20**	12305	1,1					
	40	339	**36,55**	12722	1,3					
	48	283	**30,48**	13019	1,6					
	57	237	**25,55**	13332	1,8					
	63	215	**23,08**	13515	1,9					
	76	178	**19,08**	13742	2,2					
	91	149	**15,92**	13907	2,5					
	109	125	**13,34**	14050	2,8					
	121	112	**12,00**	13884	2,2					
	146	93	**9,92**	13235	2,6					
	175	77	**8,28**	12630	3,0					
	209	65	**6,94**	12057	3,4					
	38	354	**38,16**	3679	0,8	**KR203-3E90L/4D**	3,30	41	104	IE3
	46	293	**31,55**	3892	1,0	**KR203-2E90L/4C**	3,40	40		IE2
	55	245	**26,31**	4001	1,1					
	61	223	**23,79**	6772	1,3	**KR202-3E90L/4D**	3,30	40	104	IE3
	72	190	**20,23**	6376	1,5	**KR202-2E90L/4C**	3,40	39		IE2
	83	164	**17,47**	6036	1,6					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

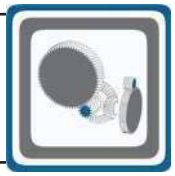


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
1,5 2,0	95 101 119 137 157 190 227	144 135 115 100 87 72 60	**15,26** **14,32** **12,17** **10,57** **9,25** **7,65** **6,38**	5739 5604 5276 5007 4767 4446 4162	1,8 1,9 2,1 2,4 2,6 3,0 3,4	**KR202-3E90L/4D** **KR202-2E90L/4C**	3,30 3,40	40 39	104	IE3 IE2
	99 116 131 140 166 199 231	137 118 104 97 82 69 59	**14,61** **12,51** **11,05** **10,32** **8,72** **7,29** **6,28**	5343 5040 4810 4688 4401 4115 3895	0,8 0,9 1,0 1,0 1,2 1,3 1,5	**KR102-3E90L/4D** **KR102-2E90L/4C**	3,30 3,40	27 26	100	IE3 IE2
	262 281 332 398 462	52 48 41 34 30	**11,05** **10,32** **8,72** **7,29** **6,28**	3714 3622 3405 3189 3023	1,6 1,6 2,0 2,2 2,4	**KR102-3E90S/2B** **KR102-2E90S/2A**	2,97 3,19	25 23	100	IE3 IE2
	154 180 194	88 76 70	**9,40** **8,04** **7,46**	2037 2072 2080	0,8 0,9 0,9	**KR002-3E90L/4D** **KR002-2E90L/4C**	3,30 3,40	26 25	96	IE3 IE2
	309 361 389	44 38 35	**9,40** **8,04** **7,46**	2042 2002 1980	1,2 1,5 1,6	**KR002-3E90S/2B** **KR002-2E90S/2A**	2,97 3,19	24 22	96	IE3 IE2
2,2 3,0	0,73	25212	**1985,89**	60017	0,8	**KR976-3E100L/4C** **KR976-2E100L/4B**	4,65 4,85	1120 1118	208	IE3 IE2
	0,91 1,0 1,2 1,4 1,5 1,7 2,0 2,2 2,5 2,8 3,2	20527 18443 15711 13862 12307 10981 9304 8567 7641 6761 6020	**1585,92** **1423,89** **1213,78** **1070,02** **949,26** **846,39** **715,34** **659,09** **586,70** **518,12** **460,51**	72502 77077 82281 85425 87941 89820 92129 93014 94226 95176 95989	1,0 1,1 1,3 1,4 1,6 1,8 2,1 2,3 2,6 3,0 3,3	**KR975-3E100L/4C** **KR975-2E100L/4B**	4,65 4,85	1115 1113	208	IE3 IE2
	3,6	5321	**398,92**	96705	3,8	**KR974-3E100L/4C** **KR974-2E100L/4B**	4,65 4,85	1100 1098	204	IE3 IE2
	1,5 1,7 1,9 2,2	12408 10956 9756 8746	**957,34** **844,51** **751,30** **673,01**	90454 96153 100520 103816	1,2 1,4 1,5 1,7	**KR875-3E100L/4C** **KR875-2E100L/4B**	4,65 4,85	688 686	196	IE3 IE2
	2,5 2,8	7667 6794	**383,99** **339,70**	106918 109386	2,0 2,2	**KR874-3E112M/6B** **KR874-2E112M/6A**	4,95 5,32	678 675	192	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
2,2 3,0	3,3 3,8 4,3 5,1 6,2	5818 5103 4522 3831 3145	**438,70** **383,99** **339,70** **287,10** **235,47**	111999 113778 115157 116725 122868	2,6 2,9 3,3 3,9 4,0	**KR874-3E100L/4C** **KR874-2E100L/4B**	4,65 4,85	697 695	192	IE3 IE2
	1,9 2,2	9640 8482	**746,01** **655,11**	43697 51811	0,8 0,9	**KR775-3E100L/4C** **KR775-2E100L/4B**	4,65 4,85	410 408	184	IE3 IE2
	2,4 2,7 3,1 3,5	7903 7073 6222 5573	**396,00** **354,32** **311,14** **278,35**	55312 59782 63818 66590	1,0 1,1 1,3 1,4	**KR774-3E112M/6B** **KR774-2E112M/6A**	4,95 5,32	387 3843	180	IE3 IE2
	3,7 4,1 4,7 5,2 6,0 7,0 8,0	5260 4707 4141 3709 3203 2778 2433	**396,00** **354,32** **311,14** **278,35** **240,71** **208,42** **182,29**	67765 69865 71861 73290 74861 76105 77065	1,5 1,7 1,9 2,2 2,5 2,9 3,3	**KR774-3E100L/4C** **KR774-2E100L/4B**	4,65 4,85	383 381	180	IE3 IE2
	4,0 4,5 5,3 6,2 7,1	4815 4262 3626 3122 2713	**363,81** **321,51** **273,88** **235,44** **204,32**	22700 28741 34100 37497 39957	0,9 1,0 1,2 1,4 1,6	**KR674-3E100L/4C** **KR674-2E100L/4B**	4,65 4,85	280 278	168	IE3 IE2
	7,5 9,6 11	2612 2057 1841	**128,24** **100,90** **90,21**	40492 43338 44333	1,6 2,1 2,3	**KR673-3E112M/6B** **KR673-2E112M/6A**	4,95 5,32	228 225	164	IE3 IE2
	11 14 16	1744 1373 1229	**128,24** **100,90** **90,21**	44776 46314 46873	2,5 3,1 3,5	**KR673-3E100L/4C** **KR673-2E100L/4B**	4,65 4,85	323 321	164	IE3 IE2
	5,9 6,1 6,9 8,0	3257 3142 2795 2392	**246,42** **237,97** **211,51** **180,90**	15565 17405 21659 25521	0,8 0,9 1,0 1,1	**KR574-3E100L/4C** **KR574-2E100L/4B**	4,65 4,85	171 169	156	IE3 IE2
	8,8 9,9	2230 1975	**109,86** **97,19**	26853 28736	1,2 1,4	**KR573-3E112M/6B** **KR573-2E112M/6A**	4,95 5,32	159 156	152	IE3 IE2
	12 13 15 18 22 24	1698 1488 1318 1116 916 809	**125,51** **109,86** **97,19** **82,14** **67,37** **59,49**	30509 31752 32683 33708 34643 35108	1,6 1,8 2,0 2,4 2,9 3,3	**KR573-3E100L/4C** **KR573-2E100L/4B**	4,65 4,85	156 154	152	IE3 IE2
	13 15 17 19 23	1498 1326 1186 1043 872	**110,65** **97,79** **87,49** **76,83** **64,17**	17069 18493 19515 20477 21504	1,0 1,2 1,3 1,5 1,8	**KR473-3E100L/4C** **KR473-2E100L/4B**	4,65 4,85	111 109	140	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
2,2	24	825	**60,63**	21771	1,9	**KR473-3E100L/4C**	4,65	111	140	IE3
3,0	24	804	**59,19**	21883	1,9	**KR473-2E100L/4B**	4,85	109		IE2
	28	697	**51,22**	22444	2,2					
	32	608	**44,64**	22879	2,5					
	37	533	**39,11**	23212	2,9					
	48	413	**30,11**	23753	3,8					
	19	1060	**78,29**	8376	0,8	**KR373-3E100L/4C**	4,65	82	128	IE3
	21	931	**68,65**	10572	0,9	**KR373-2E100L/4B**	4,85	80		IE2
	24	824	**60,69**	12006	1,0					
	28	694	**51,05**	13419	1,2					
	33	591	**43,40**	14412	1,4					
	39	507	**37,19**	15090	1,6					
	43	459	**33,65**	15456	1,8					
	50	393	**28,85**	15923	2,1					
	59	337	**24,72**	16292	2,4					
	66	301	**21,90**	16519	2,7					
	78	256	**18,62**	16777	3,2					
	30	667	**49,08**	15537	0,9	**KR283-3E100L/4C**	4,65	55	116	IE3
	35	567	**41,72**	16235	1,1	**KR283-2E100L/4B**	4,85	53		IE2
	41	487	**35,75**	16727	1,2					
	45	441	**32,35**	16985	1,4					
	52	378	**27,74**	17317	1,6					
	61	324	**23,76**	17578	1,9					
	68	294	**21,42**	17717	2,0					
	80	250	**18,21**	17908	2,4					
	93	215	**15,60**	18054	2,8					
	103	194	**14,12**	17886	3,1					
	33	600	**44,20**	10904	0,7	**KR273-3E100L/4C**	4,65	53	108	IE3
	40	497	**36,55**	11733	0,9	**KR273-2E100L/4B**	4,85	51		IE2
	48	415	**30,48**	12275	1,1					
	57	348	**25,55**	12785	1,2					
	63	316	**23,08**	13060	1,3					
	76	262	**19,08**	13409	1,5					
	91	218	**15,92**	13658	1,7					
	109	183	**13,34**	13861	1,9					
	121	164	**12,00**	13403	1,5					
	146	136	**9,92**	12838	1,8					
	175	114	**8,28**	12299	2,0					
	209	95	**6,94**	11780	2,3					
	217	92	**13,34**	13947	3,3	**KR273-3E90L/2C**	4,25	46	108	IE3
	242	82	**12,00**	13403	2,7	**KR273-2E90L/2B**	4,48	44		IE2
	292	68	**9,92**	12838	3,1					
	350	57	**8,28**	12299	3,5					
	418	48	**6,94**	11780	4,0					
	95	211	**15,26**	5873	1,2	**KR202-3E100L/4C**	4,65	47	104	IE3
	101	198	**14,32**	5735	1,3	**KR202-2E100L/4B**	4,85	45		IE2
	119	168	**12,17**	5398	1,5					
	137	146	**10,57**	5121	1,6					
	157	128	**9,25**	4872	1,8					
	190	106	**7,65**	4539	2,0					
	227	89	**6,38**	4243	2,3					
	314	64	**9,25**	3768	2,9	**KR202-3E90L/2C**	4,25	40	104	IE3
	379	53	**7,65**	3516	3,3	**KR202-2E90L/2B**	4,48	38		IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
2,2 3,0	455	44	**6,38**	3292	3,7	**KR202-3E90L/2C** **KR202-2E90L/2B**	4,25 4,48	40 38	104	IE3 IE2
3,0 4,0	1,0 1,2 1,4 1,5 1,7 2,0 2,2 2,5 2,8 3,2	25149 21425 18903 16783 14974 12687 11683 10420 9220 8210	**1423,89** **1213,78** **1070,02** **949,26** **846,39** **715,34** **659,09** **586,70** **518,12** **460,51**	60373 70469 76208 80397 83604 87284 88810 90594 92175 93438	0,8 0,9 1,1 1,2 1,3 1,6 1,7 1,9 2,2 2,4	**KR975-3E100L/4D** **KR975-2E100L/4C**	6,26 6,42	1095 1090	208	IE3 IE2
	3,6 4,1 4,8	7256 6521 5559	**398,92** **358,16** **305,31**	94556 95369 96535	2,8 3,1 3,6	**KR974-3E100L/4D** **KR974-2E100L/4C**	6,26 6,42	1080 1075	204	IE3 IE2
	2,2 2,5	11926 10355	**673,01** **584,66**	92419 98329	1,3 1,4	**KR875-3E100L/4D** **KR875-2E100L/4C**	6,26 6,42	670 667	196	IE3 IE2
	2,9	9217	**339,70**	102283	1,6	**KR874-3E132S/6B** **KR874-2E132S/6A**	6,55 6,85	699 694	192	IE3 IE2
	3,3 3,8 4,3 5,1 6,2 7,0 7,8	7934 6958 6166 5223 4289 3794 3378	**438,70** **383,99** **339,70** **287,10** **235,47** **207,95** **184,83**	106177 108971 111100 113484 115693 116805 120594	1,9 2,2 2,4 2,9 3,5 4,0 4,0	**KR874-3E100L/4D** **KR874-2E100L/4C**	6,26 6,42	651 648	192	IE3 IE2
	3,1 3,5	8441 7560	**311,14** **278,35**	52078 57218	0,9 1,1	**KR774-3E132S/6B** **KR774-2E132S/6A**	6,55 6,85	414 409	180	IE3 IE2
	3,7 4,1 4,7 5,2 6,0 7,0 8,0	7172 6419 5647 5057 4368 3789 3318	**396,00** **354,32** **311,14** **278,35** **240,71** **208,42** **182,29**	59150 62825 66285 68627 71078 73032 74513	1,1 1,2 1,4 1,6 1,8 2,1 2,4	**KR774-3E100L/4D** **KR774-2E100L/4C**	6,26 6,42	386 383	180	IE3 IE2
	8,7 9,8 11 13	3092 2745 2459 2124	**111,63** **99,00** **88,57** **76,59**	75258 76225 77020 77906	2,6 2,9 3,3 3,8	**KR773-3E132S/6B** **KR773-2E132S/6A**	6,55 6,85	396 391	176	IE3 IE2
	5,3 6,2 7,1	4945 4257 3700	**273,88** **235,44** **204,32**	20850 28787 33544	0,9 1,0 1,2	**KR674-3E100L/4D** **KR674-2E100L/4C**	6,26 6,42	281 278	168	IE3 IE2
	7,6 9,6 11	3541 2788 2495	**128,24** **100,90** **90,21**	34722 39578 41195	1,2 1,5 1,7	**KR673-3E132S/6B** **KR673-2E132S/6A**	6,55 6,85	246 241	164	IE3 IE2

K Series Geared Motors Performance Tables
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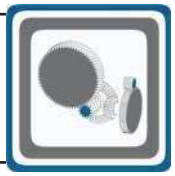
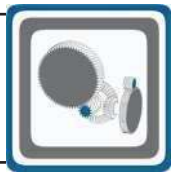


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
3,0 4,0	11 14 16 18	2379 1874 1677 1496	**128,24** **100,90** **90,21** **80,38**	41835 44201 45064 45821	1,8 2,3 2,6 2,9	**KR673-3E100L/4D** **KR673-2E100L/4C**	6,26 6,42	223 220	164	IE3 IE2
	8,0	3262	**180,90**	15479	0,8	**KR574-3E100L/4D** **KR574-2E100L/4C**	6,26 6,42	172 169	156	IE3 IE2
	10	2677	**97,19**	22912	1,0	**KR573-3E132S/6B** **KR573-2E132S/6A**	6,55 6,85	192 187	152	IE3 IE2
	12 13 15 18 22 24 27	2317 2031 1799 1522 1249 1105 983	**125,51** **109,86** **97,19** **82,14** **67,37** **59,49** **52,88**	26087 28341 29906 31557 33041 33763 34338	1,2 1,3 1,5 1,8 2,2 2,4 2,7	**KR573-3E100L/4D** **KR573-2E100L/4C**	6,26 6,42	157 154	152	IE3 IE2
	30 35	895 757	**97,19** **82,14**	34748 35668	3,0 3,4	**KR573-3E100L/2C** **KR573-2E100L/2B**	5,58 5,80	155 152	152	IE3 IE2
	15 17 19 23 24 24 28 32 37 48 58	1809 1618 1423 1190 1125 1097 951 830 728 563 471	**97,79** **87,49** **76,83** **64,17** **60,63** **59,19** **51,22** **44,64** **39,11** **30,11** **25,15**	13841 15934 17682 19514 19936 20157 21047 21743 22295 23068 23327	0,9 1,0 1,1 1,3 1,4 1,4 1,6 1,9 2,1 2,8 3,3	**KR473-3E100L/4D** **KR473-2E100L/4C**	6,26 6,42	113 110	140	IE3 IE2
	28 33 39 43 50 59 66 78 91	947 806 691 626 537 460 411 350 300	**51,05** **43,40** **37,19** **33,65** **28,85** **24,72** **21,90** **18,62** **15,96**	10331 12220 13443 14092 14875 15446 15803 16219 16528	0,9 1,0 1,2 1,3 1,5 1,8 2,0 2,3 2,7	**KR373-3E100L/4D** **KR373-2E100L/4C**	6,26 6,42	83 80	128	IE3 IE2
	100	272	**14,44**	16687	3,0	**KR373-3E100L/4D** **KR373-2E100L/4C**	6,26 6,42	83 80	128	IE3 IE2
	41 45 52 61 68 80 93 103 120 140	664 602 516 442 401 341 293 265 227 195	**35,75** **32,35** **27,74** **23,76** **21,42** **18,21** **15,60** **14,12** **12,10** **10,37**	15556 16025 16557 16979 17199 17496 17721 17452 16824 16197	0,9 1,0 1,2 1,4 1,5 1,8 2,0 2,3 2,5 2,8	**KR283-3E100L/4D** **KR283-2E100L/4C**	6,26 6,42	57 55	116	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
3,0	143	191	**10,16**	15847	1,9	**KR283-3E100L/4D**	6,26	57	116	IE3
4,0	168	162	**8,63**	15241	2,2	**KR283-2E100L/4C**	6,42	55		IE2
	196	139	**7,40**	14670	2,5					
	217	126	**6,70**	14305	2,7					
	253	108	**5,74**	13752	3,1					
	48	566	**30,48**	11203	0,8	**KR273-3E100L/4D**	6,26	55	108	IE3
	57	475	**25,55**	12026	0,9	**KR273-2E100L/4C**	6,42	52		IE2
	63	431	**23,08**	12426	1,0					
	76	357	**19,08**	12947	1,1					
	91	298	**15,92**	13328	1,2					
	109	250	**13,34**	13420	1,4					
	121	224	**12,00**	12855	1,1					
	146	186	**9,92**	12384	1,3					
	175	155	**8,28**	11920	1,5					
	209	130	**6,94**	11462	1,7					
	218	125	**13,34**	13420	2,4	**KR273-3E100L/2C**	5,58	51	108	IE3
	243	112	**12,00**	12855	2,0	**KR273-2E100L/2B**	5,80	48		IE2
	294	92	**9,92**	12384	2,3					
	352	77	**8,28**	11920	2,6					
	420	65	**6,94**	11462	2,9					
	95	288	**15,26**	5955	0,9	**KR202-3E100L/4D**	6,26	49	104	IE3
	101	270	**14,32**	5822	0,9	**KR202-2E100L/4C**	6,42	46		IE2
	119	230	**12,17**	5491	1,1					
	137	200	**10,57**	5215	1,2					
	157	175	**9,25**	4964	1,3					
	190	145	**7,65**	4625	1,5					
	227	121	**6,38**	4322	1,7					
	315	87	**9,25**	3825	2,1	**KR202-3E100L/2C**	5,58	46	104	IE3
	381	72	**7,65**	3565	2,4	**KR202-2E100L/2B**	5,80	43		IE2
	457	60	**6,38**	3334	2,7					
4,0	1,4	25031	**1070,02**	60768	0,8	**KR975-3E112M/4D**	8,05	1108	208	IE3
5,5	1,5	22224	**949,26**	68501	0,9	**KR975-2E112M/4C**	8,20	1105		IE2
	1,7	19829	**846,39**	74160	1,0					
	2,0	16801	**715,34**	80302	1,2					
	2,2	15470	**659,09**	82814	1,3					
	2,5	13798	**586,70**	85532	1,4					
	2,8	12209	**518,12**	88072	1,6					
	3,2	10871	**460,51**	89940	1,8					
	3,7	9608	**398,92**	91640	2,1	**KR974-3E112M/4D**	8,05	1090	204	IE3
	4,1	8635	**358,16**	92868	2,3	**KR974-2E112M/4C**	8,20	1087		IE2
	4,8	7361	**305,31**	94373	2,7					
	5,4	6497	**269,15**	95493	3,1					
	6,1	5771	**238,77**	96305	3,5					
	8,0	4403	**181,51**	100058	4,0					
	2,8	12068	**514,05**	92017	1,2	**KR875-3E112M/4D**	8,05	677	196	IE3
	3,1	10899	**463,83**	96505	1,4	**KR875-2E112M/4C**	8,20	675		IE2
	3,8	9214	**383,99**	102306	1,6	**KR874-3E112M/4D**	8,05	661	192	IE3
	4,3	8165	**339,70**	105549	1,8	**KR874-2E112M/4C**	8,20	659		IE2
	5,1	6917	**287,10**	109020	2,2					
	6,2	5680	**235,47**	112301	2,6					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
4,0 5,5	7,0	5024	**207,95**	113926	3,0	**KR874-3E112M/4D** **KR874-2E112M/4C**	8,05 8,20	661 659	192	IE3 IE2
	3,7 4,1 4,7 5,2 6,1 7,0 8,0	9497 8500 7478 6697 5785 5017 4394	**396,00** **354,32** **311,14** **278,35** **240,71** **208,42** **182,29**	44605 51831 57677 61629 65713 68775 70935	0,8 0,9 1,1 1,2 1,4 1,6 1,8	**KR774-3E112M/4D** **KR774-2E112M/4C**	8,05 8,20	394 392	180	IE3 IE2
	8,7 9,8 11 13 15 17	4127 3664 3281 2835 2459 2153	**111,63** **99,00** **88,57** **76,59** **66,32** **58,00**	71956 73471 74615 75970 76931 77814	1,9 2,2 2,4 2,8 3,3 3,7	**KR773-3E132M/6C** **KR773-2E132M/6B**	8,52 8,80	408 403	176	IE3 IE2
	7,6 9,6 11	4726 3721 3330	**128,24** **100,90** **90,21**	23751 33383 36197	0,9 1,2 1,3	**KR673-3E132M/6C** **KR673-2E132M/6B**	8,52 8,80	239 234	164	IE3 IE2
	11 14 16 18	3152 2482 2222 1982	**128,24** **100,90** **90,21** **80,38**	37375 41219 42596 43675	1,4 1,7 1,9 2,2	**KR673-3E112M/4D** **KR673-2E112M/4C**	8,05 8,20	234 232	164	IE3 IE2
	13 15 18 22 25 28 33 38	2690 2383 2017 1655 1463 1302 1103 942	**109,86** **97,19** **82,14** **67,37** **59,49** **52,88** **44,73** **38,16**	22797 25605 28440 30808 31921 32744 34132 35377	1,0 1,1 1,3 1,6 1,8 2,1 2,4 2,7	**KR573-3E112M/4D** **KR573-2E112M/4C**	8,05 8,20	165 163	152	IE3 IE2
	43 49	830 734	**67,37** **59,49**	36050 36784	3,0 3,2	**KR573-3E112M/2C** **KR573-2E112M/2A**	7,28 7,50	161 157	152	IE3 IE2
	23 24 25 29 33 37 48 58 61 63 73 83	1577 1491 1454 1260 1099 964 746 625 590 576 499 436	**64,17** **60,63** **59,19** **51,22** **44,64** **39,11** **30,11** **25,15** **23,76** **23,19** **20,07** **17,49**	16339 17138 17463 19013 20136 20986 22200 22635 22358 22241 21532 20857	1,0 1,0 1,1 1,2 1,4 1,6 2,1 2,5 2,6 2,7 3,0 3,3	**KR473-3E112M/4D** **KR473-2E112M/4C**	8,05 8,20	121 119	140	IE3 IE2
	34 39 43 51 59	1068 916 830 711 610	**43,40** **37,19** **33,65** **28,85** **24,72**	8204 10802 11934 13270 14241	0,8 0,9 1,0 1,2 1,3	**KR373-3E112M/4D** **KR373-2E112M/4C**	8,05 8,20	90 88	128	IE3 IE2

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Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
4,0 5,5	67 78 92 101 118 138	544 463 398 360 309 265	**21,90** **18,62** **15,96** **14,44** **12,38** **10,60**	14785 15412 15882 16150 16476 16163	1,5 1,8 2,1 2,3 2,7 3,0	**KR373-3E112M/4D** **KR373-2E112M/4C**	8,05 8,20	90 88	128	IE3 IE2
	53 61 68 80 94 103 121 141 144 169 197 218 254 297	683 586 531 452 388 351 301 258 253 215 185 167 143 123	**27,74** **23,76** **21,42** **18,21** **15,60** **14,12** **12,10** **10,37** **10,16** **8,63** **7,40** **6,70** **5,74** **4,92**	15437 16110 16463 16923 17258 16907 16357 15798 15368 14834 14321 13990 13482 12976	0,9 1,0 1,1 1,3 1,5 1,7 1,9 2,1 1,5 1,7 1,9 2,0 2,3 2,6	**KR283-3E112M/4D** **KR283-2E112M/4C**	8,05 8,20	64 63	116	IE3 IE2
	63 77 92 109 122 147 176 210	571 473 395 332 297 246 206 173	**23,08** **19,08** **15,92** **13,34** **12,00** **9,92** **8,28** **6,94**	11483 12297 12863 12762 12168 11817 11447 11066	0,7 0,8 0,9 1,1 0,8 1,0 1,1 1,3	**KR273-3E112M/4D** **KR273-2E112M/4C**	8,05 8,20	63 61	108	IE3 IE2
	218 243 294 352 420	166 149 124 103 87	**13,34** **12,00** **9,92** **8,28** **6,94**	12762 12168 11817 11447 11066	1,8 1,5 1,7 1,9 2,2	**KR273-3E112M/2C** **KR273-2E112M/2A**	7,28 7,50	58 54	108	IE3 IE2
	138 158 191 229	265 232 192 160	**10,57** **9,25** **7,65** **6,38**	5261 5021 4688 4385	0,9 1,0 1,1 1,3	**KR202-3E112M/4D** **KR202-2E112M/4C**	8,05 8,20	56 54	104	IE3 IE2
	315 381 457	116 96 80	**9,25** **7,65** **6,38**	3892 3625 3388	1,6 1,8 2,1	**KR202-3E112M/2C** **KR202-2E112M/2A**	7,28 7,50	53 48	104	IE3 IE2
5,5 7,5	2,0 2,2 2,5 2,8 3,2 3,4 4,0	23101 21272 18973 16787 14948 13861 11746	**715,34** **659,09** **586,70** **518,12** **460,51** **427,72** **361,44**	66223 70837 76058 80320 83679 85556 88672	0,9 0,9 1,1 1,2 1,3 1,4 1,7	**KR975-3E132S/4C** **KR975-2E132S/4B**	10,65 11,05	1128 1120	208	IE3 IE2
	3,7 4,1 4,8 5,4 6,1	13211 11874 10121 8933 7934	**398,92** **358,16** **305,31** **269,15** **238,77**	86458 88481 90923 92450 93799	1,5 1,7 2,0 2,2 2,5	**KR974-3E132S/4C** **KR974-2E132S/4B**	10,65 11,05	1113 1108	204	IE3 IE2

K Series Geared Motors Performance Tables
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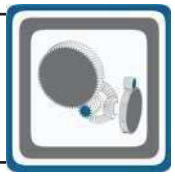

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
5,5 7,5	8,0 8,6 9,7	6054 5631 5044	**181,51** **168,94** **151,03**	95993 96458 97086	3,3 3,6 4,0	**KR974-3E132S/4C** **KR974-2E132S/4B**	10,65 11,05	1113 1108	204	IE3 IE2
	4,3 5,1 6,2 7,0	11227 9511 7809 6909	**339,70** **287,10** **235,47** **207,95**	95138 101336 106545 109108	1,3 1,6 1,9 2,2	**KR874-3E132S/4C** **KR874-2E132S/4B**	10,65 11,05	660 654	192	IE3 IE2
	8,4 9,4 10 12	5905 5267 4740 4137	**115,87** **103,24** **92,80** **81,06**	111829 113495 114627 116023	2,5 2,8 3,2 3,6	**KR873-3E132M/6D** **KR873-2E132M/6C**	11,55 12,00	652 647	188	IE3 IE2
	5,2 6,1 7,0 8,0	9208 7954 6898 6042	**278,35** **240,71** **208,42** **182,29**	46845 55019 60535 64522	0,9 1,0 1,2 1,3	**KR774-3E132S/4C** **KR774-2E132S/4B**	10,65 11,05	429 423	180	IE3 IE2
	8,7 9,8 11 13	5678 5042 4515 3902	**111,63** **99,00** **88,57** **76,59**	66155 68574 70527 72638	1,4 1,6 1,8 2,1	**KR773-3E132M/6D** **KR773-2E132M/6C**	11,55 12,00	407 402	176	IE3 IE2
	13 15 16 19 22	3786 3362 3011 2602 2256	**111,63** **99,00** **88,57** **76,59** **66,32**	73041 74380 75433 76614 77554	2,1 2,4 2,7 3,1 3,5	**KR773-3E132S/4C** **KR773-2E132S/4B**	10,65 11,05	399 393	176	IE3 IE2
	11	4582	**90,21**	25491	0,9	**KR673-3E132M/6D** **KR673-2E132M/6C**	11,55 12,00	239 234	164	IE3 IE2
	11 14 16 18 21 25 29 33	4334 3413 3055 2725 2320 1998 1736 1520	**128,24** **100,90** **90,21** **80,38** **68,47** **58,86** **51,08** **44,65**	28038 35551 37921 39887 42076 43633 44809 45724	1,0 1,3 1,4 1,6 1,9 2,2 2,5 2,8	**KR673-3E132S/4C** **KR673-2E132S/4B**	10,65 11,05	249 243	164	IE3 IE2
	15 18 22 25 28 33 38 41 48 57 64	3276 2773 2276 2012 1790 1517 1296 1199 1028 882 780	**97,19** **82,14** **67,37** **59,49** **52,88** **44,73** **38,16** **35,34** **30,25** **25,78** **22,77**	15243 21892 26421 28423 29925 32067 33803 34580 35853 36406 37145	0,8 1,0 1,2 1,3 1,5 1,7 1,9 2,0 2,2 2,6 2,8	**KR573-3E132S/4C** **KR573-2E132S/4B**	10,65 11,05	180 174	152	IE3 IE2
	29 33	1732 1512	**51,22** **44,64**	14734 16950	0,9 1,0	**KR473-3E132S/4C** **KR473-2E132S/4B**	10,65 11,05	138 132	140	IE3 IE2

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Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
5,5	37	1326	**39,11**	18473	1,2	**KR473-3E132S/4C**	10,65	138	140	IE3
7,5	48	1026	**30,11**	20584	1,5	**KR473-2E132S/4B**	11,05	132		IE2
	58	859	**25,15**	21596	1,8					
	61	812	**23,76**	21378	1,9					
	63	792	**23,19**	21284	2,0					
	73	686	**20,07**	20704	2,2					
	83	599	**17,49**	20135	2,4					
	95	526	**15,33**	19577	2,6					
	106	469	**13,71**	18525	2,1					
	123	406	**11,87**	17983	2,4					
	141	355	**10,34**	17459	2,6					
	161	311	**9,06**	16950	2,9					
	195	258	**7,48**	16212	3,4					
	51	978	**28,85**	9843	0,8	**KR373-3E132S/4C**	10,65	103	128	IE3
	59	839	**24,72**	11823	1,0	**KR373-2E132S/4B**	11,05	97		IE2
	67	748	**21,90**	12848	1,1					
	78	637	**18,62**	13971	1,3					
	92	547	**15,96**	14782	1,5					
	101	495	**14,44**	15173	1,7					
	118	424	**12,38**	15716	1,9					
	138	364	**10,60**	15570	2,2					
	146	342	**9,97**	15027	1,9					
	171	293	**8,54**	14580	2,1					
	189	266	**7,73**	14284	2,3					
	220	228	**6,63**	13821	2,6					
	257	195	**5,68**	13349	3,0					
	68	730	**21,42**	15076	0,8	**KR283-3E132S/4C**	10,65	84	116	IE3
	80	622	**18,21**	15873	1,0	**KR283-2E132S/4B**	11,05	82		IE2
	94	534	**15,60**	16345	1,1					
	103	483	**14,12**	16083	1,2					
	121	414	**12,10**	15653	1,4					
	141	355	**10,37**	15196	1,5					
	144	347	**10,16**	14644	1,1					
	169	296	**8,63**	14220	1,2					
	197	254	**7,40**	13797	1,4					
	218	230	**6,70**	13516	1,5					
	254	197	**5,74**	13076	1,7					
	297	169	4,92	12629	1,9					
	176	283	**8,28**	10737	0,8	**KR273-3E132S/4C**	10,65	82	108	IE3
	210	237	**6,94**	10471	0,9	**KR273-2E132S/4B**	11,05	77		IE2
	221	226	**13,34**	11775	1,3	**KR273-3E132S/2B**	9,90	73	108	IE3
	297	168	**9,92**	10966	1,3	**KR273-2E132S/2A**	10,20	71		IE2
	356	140	**8,28**	10737	1,4					
	425	118	**6,94**	10471	1,6					
7,5	2,7	24109	**361,44**	63458	0,8	**KR975-3E160M/6D**	15,00	1210	208	IE3
10						**KR975-2E160M/6B**	15,00	1190		IE2
	2,8	22813	**518,12**	67024	0,9	**KR975-3E132M/4D**	14,40	1135	208	IE3
	3,2	20314	**460,51**	73062	1,0	**KR975-2E132M/4C**	15,00	1130		IE2
	3,4	18836	**427,72**	76267	1,1					
	4,1	15963	**361,44**	81980	1,3					

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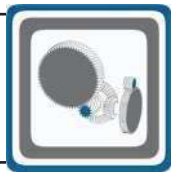
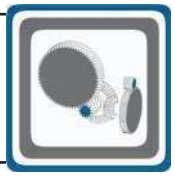


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
7,5 10	3,7 4,1 4,8 5,4 6,1 8,1 8,7 9,7 11	17954 16136 13754 12140 10783 8227 7653 6855 6119	**398,92** **358,16** **305,31** **269,15** **238,77** **181,51** **168,94** **151,03** **134,57**	78103 81518 85582 88066 90001 93440 94141 94979 95862	1,1 1,2 1,5 1,6 1,9 2,4 2,6 2,9 3,3	**KR974-3E132M/4D** **KR974-2E132M/4C**	14,40 15,00	1120 1112	204	IE3 IE2
	5,1 6,2 7,0 7,9 9,1 10	12925 10613 9389 8358 7308 6457	**287,10** **235,47** **207,95** **184,83** **161,34** **142,32**	88255 97408 101630 104835 107991 110333	1,2 1,4 1,6 1,8 2,1 2,3	**KR874-3E132M/4D** **KR874-2E132M/4B**	14,40 15,00	694 689	192	IE3 IE2
	8,4 9,4 10 12 14 16	8054 7184 6465 5643 4933 4358	**115,87** **103,24** **92,80** **81,06** **70,76** **62,42**	105903 108410 110370 112482 114174 115539	1,9 2,1 2,3 2,7 3,0 3,4	**KR873-3E160M/6D** **KR873-2E160M/6B**	15,00 15,00	750 750	188	IE3 IE2
	13 14 16 18	5352 4775 4297 3751	**115,87** **103,24** **92,80** **81,06**	113168 114564 115676 116901	2,8 3,1 3,5 4,0	**KR873-3E132M/4D** **KR873-2E132M/4C**	14,40 15,00	678 673	188	IE3 IE2
	8,7 9,8 11 13	7745 6877 6159 5322	**111,63** **99,00** **88,57** **76,59**	56304 60758 64101 67596	1,0 1,2 1,3 1,5	**KR773-3E160M/6D** **KR773-2E160M/6B**	15,00 15,00	485 485	176	IE3 IE2
	13 15 17 19 22 25 29	5147 4570 4093 3537 3068 2687 2372	**111,63** **99,00** **88,57** **76,59** **66,32** **58,00** **51,13**	68279 70363 72024 73873 75293 76366 77246	1,6 1,8 2,0 2,3 2,6 3,0 3,4	**KR773-3E132M/4D** **KR773-2E132M/4C**	14,40 15,00	413 408	176	IE3 IE2
	15 16 18 21 25 29 33 45 52	4640 4153 3705 3154 2716 2360 2066 1519 1308	**100,90** **90,21** **80,38** **68,47** **58,86** **51,08** **44,65** **32,68** **28,10**	24872 29758 33503 37291 39941 41901 43357 45726 46568	0,9 1,0 1,2 1,4 1,6 1,8 2,1 2,8 3,3	**KR673-3E132M/4D** **KR673-2E132M/4C**	14,40 15,00	262 257	164	IE3 IE2
	22 25 28 33 38 41	3094 2735 2434 2062 1761 1630	**67,37** **59,49** **52,88** **44,73** **38,16** **35,34**	18091 22291 25162 28634 31327 32457	0,9 1,0 1,1 1,3 1,4 1,5	**KR573-3E132M/4D** **KR573-2E132M/4C**	14,40 15,00	193 188	152	IE3 IE2

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
7,5	48	1397	**30,25**	34261	1,6	**KR573-3E132M/4D**	14,40	193	152	IE3
10	57	1199	**25,78**	35160	1,9	**KR573-2E132M/4C**	15,00	188		IE2
	64	1060	**22,77**	36129	2,1					
	72	943	**20,24**	36931	2,2					
	78	875	**18,80**	37332	2,3					
	92	741	**15,88**	36353	2,6					
	108	632	**13,53**	34997	2,9					
	127	542	**11,58**	33696	3,1					
	37	1803	**39,11**	13919	0,9	**KR473-3E132M/4D**	14,40	151	140	IE3
	49	1395	**30,11**	17939	1,1	**KR473-2E132M/4C**	15,00	146		IE2
	58	1168	**25,15**	19645	1,3					
	62	1104	**23,76**	20070	1,4					
	63	1076	**23,19**	20007	1,4					
	73	933	**20,07**	19599	1,6					
	84	814	**17,49**	19172	1,7					
	96	715	**15,33**	18733	1,9					
	107	637	**13,71**	17560	1,6					
	123	553	**11,87**	17148	1,8					
	142	482	**10,34**	16731	1,9					
	162	423	**9,06**	16312	2,1					
	196	350	**7,48**	15685	2,5					
	236	291	**6,21**	15061	2,9					
	248	275	**11,87**	17148	2,8	**KR473-3E132S/2C**	13,20	134	140	IE3
	285	240	**10,34**	16731	3,2	**KR473-2E132S/2B**	13,60	127		IE2
	325	211	**9,06**	16312	3,5					
	67	1017	**21,90**	9185	0,8	**KR373-3E132M/4D**	14,40	118	128	IE3
	79	866	**18,62**	11470	0,9	**KR373-2E132M/4C**	15,00	113		IE2
	92	743	**15,96**	12926	1,1					
	101	673	**14,44**	13644	1,2					
	118	577	**12,38**	14526	1,4					
	138	495	**10,60**	14773	1,6					
	147	465	**9,97**	14152	1,4					
	172	399	**8,54**	13833	1,6					
	190	361	**7,73**	13609	1,7					
	221	310	**6,63**	13242	1,9					
	258	266	**5,68**	12854	2,2					
	278	247	**10,60**	14773	2,6	**KR373-3E132S/2C**	13,20	111	128	IE3
	295	232	**9,97**	14152	2,3	**KR373-2E132S/2B**	13,60	104		IE2
	345	199	**8,54**	13833	2,6					
	381	180	**7,73**	13609	2,8					
	444	154	**6,63**	13242	3,1					
	94	725	**15,60**	15113	0,8	**KR283-3E132M/4D**	14,40	90	116	IE3
	104	657	**14,12**	14973	0,9	**KR283-2E132M/4C**	15,00	85		IE2
	121	563	**12,10**	14705	1,0					
	141	483	**10,37**	14387	1,1					
	170	402	**8,63**	13397	0,9					
	198	345	**7,40**	13093	1,0					
	219	313	**6,70**	12880	1,1					
	255	268	**5,74**	12532	1,2					
	298	230	**4,92**	12163	1,4					
	341	201	**8,63**	13397	1,4	**KR283-3E132S/2C**	13,20	82	116	IE3
	398	172	**7,40**	13093	1,6	**KR283-2E132S/2B**	13,60	77		IE2
	440	156	**6,70**	12880	1,8					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

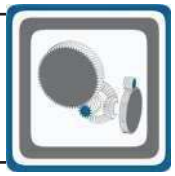


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
7,5	185	368	**15,92**	10344	0,8	**KR273-3E132S/2C**	13,20	77	108	IE3
10	221	309	**13,34**	10459	1,0	**KR273-2E132S/2B**	13,60	71		IE2
	297	229	**9,92**	9831	0,9					
	356	192	**8,28**	9791	1,0					
	425	161	**6,94**	9677	1,2					
11	5,3	18223	**181,51**	77521	1,1	**KR974-3E160L/6E**	21,50	1211	204	IE3
15	5,7	16952	**168,94**	80002	1,2	**KR974-2E160L/6D**	22,00	1195		IE2
	6,4	15184	**151,03**	83191	1,3					
	7,2	13555	**134,57**	85901	1,5					
	8,1	12025	**181,51**	88228	1,7	**KR974-3E160M/4C**	21,00	1196	204	IE3
	8,7	11186	**168,94**	89439	1,8	**KR974-2E160M/4B**	21,00	1186		IE2
	9,7	10020	**151,03**	91079	2,0					
	11	8945	**134,57**	92510	2,2					
	10	9873	**146,20**	91267	2,0	**KR973-3E160M/4C**	21,00	1176	200	IE3
	11	8817	**130,38**	92669	2,3	**KR973-2E160M/4B**	21,00	1170		IE2
	13	7943	**117,32**	93772	2,5					
	14	7027	**103,87**	94873	2,8					
	16	6156	**90,85**	95873	3,2					
	18	5450	**80,31**	96733	3,7					
	21	4865	**71,60**	97866	4,0					
	8,0	12217	**184,83**	91409	1,2	**KR874-3E160M/4C**	21,00	762	192	IE3
	9,1	10683	**161,34**	97286	1,4	**KR874-2E160M/4B**	21,00	772		IE2
	10	9438	**142,32**	101572	1,6					
	8,4	11819	**115,87**	93008	1,3	**KR873-3E160L/6E**	21,50	766	188	IE3
	9,4	10543	**103,24**	97791	1,4	**KR873-2E160L/6D**	22,00	766		IE2
	10	9488	**92,80**	101239	1,6					
	12	8282	**81,06**	105084	1,8					
	12	8213	**115.87**	105498	1.8	**KR873-3E160M/4C**	21,00	741	188	IE3
	14	7327	**103.24**	108095	2.0	**KR873-2E160M/4B**	21,00	751		IE2
	15	6593	**92.80**	110090	2.3					
	17	5756	**81.06**	112392	2.6					
	20	5032	**70.76**	114064	3.0					
	22	4445	**62.42**	115398	3.4					
	11	9038	**88,57**	48219	0,9	**KR773-3E160L/6E**	21,50	450	176	IE3
	13	7810	**76,59**	55843	1,0	**KR773-2E160L/6D**	22,00	450		IE2
	13	7525	**111,63**	57419	1,1	**KR773-3E160M/4C**	21,00	476	176	IE3
	15	6682	**99,00**	61698	1,2	**KR773-2E160M/4B**	21,00	486		IE2
	17	5984	**88,57**	64860	1,3					
	19	5172	**76,59**	68181	1,5					
	22	4485	**66,32**	70695	1,8					
	25	3928	**58,00**	72610	2,0					
	29	3468	**51,13**	74086	2,3					
	32	3080	**45,36**	73382	2,6					
	36	2749	**40,44**	71725	2,9					
	38	2649	**39,00**	71192	3,0					
	44	2298	**33,78**	69061	3,5					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
11	21	4612	**68,47**	25154	0,9	**KR673-3E160M/4C**	21,00	322	164	IE3
15	25	3971	**58,86**	31365	1,1	**KR673-2E160M/4B**	21,00	332		IE2
	29	3451	**51,08**	35367	1,2					
	33	3021	**44,65**	38196	1,4					
	37	2659	**39,26**	40310	1,6					
	45	2221	**32,68**	42597	1,9					
	52	1913	**28,10**	44063	2,2					
	60	1663	**24,38**	45097	2,6					
	69	1456	**21,32**	45997	3,0					
	78	1281	**18,74**	46687	3,4					
	33	3015	**44,73**	20090	0,9	**KR573-3E160M/4C**	21,00	257	152	IE3
	39	2575	**38,16**	25664	1,0	**KR573-2E160M/4B**	21,00	267		IE2
	42	2383	**35,34**	27743	1,0					
	49	2042	**30,25**	30881	1,1					
	57	1752	**25,78**	32523	1,3					
	65	1550	**22,77**	34000	1,4					
	73	1379	**20,24**	35220	1,5					
	78	1279	**18,80**	35839	1,6					
	93	1083	**15,88**	34717	1,8					
	109	924	**13,53**	33604	2,0					
	127	792	**11,58**	32503	2,1					
	131	764	**11,22**	31906	1,9					
	155	647	**9,48**	30758	2,1					
	182	552	**8,07**	29654	2,4					
	213	473	**6,91**	28586	2,6					
	63	1574	**23,19**	16370	1,0	**KR473-3E160M/4C**	21,00	214	140	IE3
	73	1364	**20,07**	17666	1,1	**KR473-2E160M/4B**	21,00	224		IE2
	84	1191	**17,49**	17487	1,2					
	96	1045	**15,33**	17257	1,3					
	107	932	**13,71**	15872	1,1					
	124	808	**11,87**	15688	1,2					
	142	705	**10,34**	15458	1,3					
	162	619	**9,06**	15197	1,5					
	196	512	**7,48**	14764	1,7					
	237	426	**6,21**	14296	1,9					
15	6,5	20600	**151,03**	72487	1,0	**KR974-3E180L/6E**	29,00	1255	204	IE3
20	7,3	18389	**134,57**	77184	1,1	**KR974-2E180L/6D**	29,00	1243		IE2
	8,1	16397	**181,51**	81033	1,2	**KR974-3E160L/4D**	29,00	1205	204	IE3
	8,7	15253	**168,94**	83074	1,3	**KR974-2E160L/4C**	29,30	1195		IE2
	9,7	13663	**151,03**	85735	1,5					
	11	12197	**134,57**	88015	1,6					
	10	13466	**146,20**	86045	1,5	**KR973-3E160L/4D**	29,00	1187	200	IE3
	11	12025	**130,38**	88268	1,7	**KR973-2E160L/4C**	29,30	1182		IE2
	13	10833	**117,32**	89994	1,8					
	14	9585	**103,87**	91699	2,1					
	16	8396	**90,85**	93346	2,4					
	18	7433	**80,31**	94462	2,7					
	21	6635	**71,60**	95361	3,0					
	23	5964	**64,28**	96166	3,3					
	27	5086	**54,80**	97370	3,9					
	9,4	14306	**103,24**	82207	1,0	**KR873-3E180L/6E**	29,00	809	188	IE3
	11	12874	**92,80**	88673	1,2	**KR873-2E180L/6D**	29,00	789		IE2
	12	11237	**81,06**	95249	1,3					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
15	13	10673	**115,87**	97450	1,4	**KR873-3E160L/4D**	29,00	766	188	IE3
20	14	9522	**103,24**	101404	1,6	**KR873-2E160L/4C**	29,30	763		IE2
	16	8569	**92,80**	104431	1,8					
	18	7480	**81,06**	107574	2,0					
	21	6540	**70,76**	110229	2,3					
	24	5778	**62,42**	112156	2,6					
	26	5147	**55,53**	113745	2,9					
	30	4616	**49,75**	114934	3,2					
	15	9113	**99,00**	47536	0,9	**KR773-3E160L/4D**	29,00	501	176	IE3
	17	8162	**88,57**	53663	1,0	**KR773-2E160L/4C**	29,30	498		IE2
	19	7054	**76,59**	59800	1,1					
	22	6117	**66,32**	64248	1,3					
	25	5358	**58,00**	67449	1,5					
	29	4730	**51,13**	69758	1,7					
	32	4201	**45,36**	69360	1,9					
	36	3750	**40,44**	68138	2,1					
	38	3613	**39,00**	67733	2,2					
	44	3134	**33,78**	66065	2,6					
	50	2731	**29,40**	64367	2,9					
	55	2468	**26,52**	63065	3,2					
	62	2193	**23,52**	61523	3,6					
	29	4707	**51,08**	23948	0,9	**KR673-3E160L/4D**	29,00	363	164	IE3
	33	4120	**44,65**	30057	1,0	**KR673-2E160L/4C**	29,30	360		IE2
	37	3627	**39,26**	34185	1,2					
	45	3030	**32,68**	38205	1,4					
	52	2609	**28,10**	40633	1,6					
	60	2268	**24,38**	42359	1,9					
	69	1986	**21,32**	43740	2,2					
	78	1748	**18,74**	44807	2,5					
	89	1545	**16,54**	45641	2,8					
	101	1347	**14,49**	50991	2,2					
	118	1161	**12,46**	50192	2,4					
	136	1009	**10,81**	48599	2,7					
	156	883	**9,45**	47088	2,9					
	177	778	**8,31**	45648	3,2					
	57	2390	**25,78**	28613	1,0	**KR573-3E160L/4D**	29,00	281	152	IE3
	65	2114	**22,77**	31047	1,0	**KR573-2E160L/4C**	29,30	278		IE2
	73	1881	**20,24**	32895	1,1					
	78	1745	**18,80**	33626	1,2					
	93	1477	**15,88**	32847	1,3					
	109	1260	**13,53**	32012	1,4					
	127	1080	**11,58**	31140	1,6					
	131	1043	**11,22**	30448	1,4					
	155	883	**9,48**	29526	1,6					
	182	753	**8,07**	28605	1,7					
	213	646	**6,91**	27688	1,9					
	84	1624	**17,49**	15562	0,9	**KR473-3E160L/4D**	29,00	240	140	IE3
	96	1425	**15,33**	15570	1,0	**KR473-2E160L/4C**	29,30	237		IE2
	107	1271	**13,71**	13943	0,8					
	124	1102	**11,87**	14018	0,9					
	142	962	**10,34**	14003	1,0					
	162	844	**9,06**	13922	1,1					
	196	699	**7,48**	13711	1,2					
	237	581	**6,21**	13422	1,4					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
18,5 25	9,4	17756	**103,87**	78589	1,1	**KR973-3E200L/6C** **KR973-2E200L/6B**	36,40 36,50	1276 1256	200	IE3 IE2
	9,8 11	16794 14992	**151,03** **134,57**	80303 83537	1,2 1,3	**KR974-3E180M/4C** **KR974-2E180M/4B**	34,50 34,50	1242 1232	204	IE3 IE2
	11 13 14 16 18 21 23 27 31 34	14782 13317 11782 10321 9137 8156 7332 6252 5519 4902	**130,38** **117,32** **103,87** **90,85** **80,31** **71,60** **64,28** **54,80** **48,31** **42,86**	83894 86297 88638 90798 92332 93547 94602 96091 96916 97720	1,4 1,5 1,7 1,9 2,2 2,5 2,7 3,2 3,6 4,0	**KR973-3E180M/4C** **KR973-2E180M/4B**	34,50 34,50	1224 1214	200	IE3 IE2
	13 15	12640 10983	**113,42** **98,53**	89656 96189	1,2 1,4	**KR874-3E180M/4C** **KR874-2E180M/4B**	34,50 34,50	821 821	192	IE3 IE2
	12 14	13858 12115	**81,06** **70,76**	84247 91801	1,1 1,2	**KR873-3E200L/6C** **KR873-2E200L/6B**	36,40 36,50	807 807	188	IE3 IE2
	14 16 18 21 24 27 30 34 39	11704 10533 9195 8040 7102 6327 5674 4930 4341	**103,24** **92,80** **81,06** **70,76** **62,42** **55,53** **49,75** **43,22** **38,00**	93451 97821 102364 105817 108630 110730 112387 114806 112515	1,3 1,4 1,6 1,9 2,1 2,4 2,6 3,0 3,3	**KR873-3E180M/4C** **KR873-2E180M/4B**	34,50 34,50	804 804	188	IE3 IE2
	19 22 25 29 33 36 38 44 50 56 63 70 73	8671 7520 6586 5814 5164 4610 4441 3853 3358 3034 2695 2406 2318	**76,59** **66,32** **58,00** **51,13** **45,36** **40,44** **39,00** **33,78** **29,40** **26,52** **23,52** **20,97** **20,23**	50588 57472 62026 65570 65841 65000 64707 63444 62085 61007 59698 58398 57978	0,9 1,1 1,2 1,4 1,5 1,7 1,8 2,1 2,4 2,6 3,0 3,3 3,4	**KR773-3E180M/4C** **KR773-2E180M/4B**	34,50 34,50	537 537	176	IE3 IE2
	33 38 45 52 60 69 79 89 102 118 136 156	5065 4458 3724 3207 2788 2441 2149 1899 1656 1427 1240 1086	**44,65** **39,26** **32,68** **28,10** **24,38** **21,32** **18,74** **16,54** **14,49** **12,46** **10,81** **9,45**	19115 26817 33355 37015 39559 41471 42949 44104 50128 48913 47488 46117	0,8 1,0 1,2 1,3 1,5 1,8 2,0 2,3 1,8 2,0 2,2 2,4	**KR673-3E180M/4C** **KR673-2E180M/4B**	34,50 34,50	399 399	164	IE3 IE2

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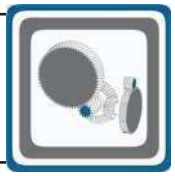
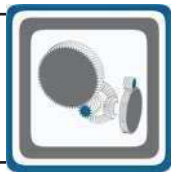


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
18,5 25	178	956	**8,31**	44795	2,6	**KR673-3E180M/4C** **KR673-2E180M/4B**	34,50 34,50	399 399	164	IE3 IE2
	65 73 78 93 109 127 131 156 183 213	2598 2313 2145 1816 1549 1328 1282 1085 926 794	**22,77** **20,24** **18,80** **15,88** **13,53** **11,58** **11,22** **9,48** **8,07** **6,91**	27790 30454 31689 31210 30618 29948 29173 28449 27687 26903	0,8 0,9 1,0 1,1 1,2 1,3 1,1 1,3 1,4 1,5	**KR573-3E180M/4C** **KR573-2E180M/4B**	34,50 34,50	321 321	152	IE3 IE2
	163 197 237	1038 859 714	**9,06** **7,48** **6,21**	12807 12790 12658	0,9 1,0 1,2	**KR473-3E180M/4C** **KR473-2E180M/4B**	34,50 34,50	279 279	140	IE3 IE2
22 30	9,8 11	19971 17828	**151,03** **134,57**	73906 78422	1,0 1,1	**KR974-3E180L/4D** **KR974-2E180L/4C**	42,50 42,50	1257 1237	204	IE3 IE2
	11 13 14 16 18 21 23 27 31 34 47	17580 15837 14012 12275 10866 9700 8719 7436 6564 5830 4314	**130,38** **117,32** **103,87** **90,85** **80,31** **71,60** **64,28** **54,80** **48,31** **42,86** **31,63**	78801 82203 85289 87970 89989 91565 92904 94720 95768 96672 100450	1,1 1,3 1,4 1,6 1,8 2,1 2,3 2,7 3,0 3,4 4,0	**KR973-3E180L/4D** **KR972-2E180L/4C**	42,50 42,50	1235 1225	200	IE3 IE2
	12 14	16483 14410	**81,06** **70,76**	70303 81609	0,9 1,0	**KR873-3E200L/6D** **KR873-2E200L/6C**	42,50 43,00	827 827	188	IE3 IE2
	14 16 18 21 24 27 30 34 39 43	13920 12527 10936 9561 8447 7524 6748 5864 5163 4664	**103,24** **92,80** **81,06** **70,76** **62,42** **55,53** **49,75** **43,22** **38,00** **34,28**	83967 90131 96365 101165 104716 107357 109595 112553 110238 107854	1,1 1,2 1,4 1,6 1,8 2,0 2,2 2,5 2,8 3,0	**KR873-3E180L/4D** **KR873-2E180L/4C**	42,50 42,50	844 844	188	IE3 IE2
	22 25 29 33 36 38 44 50 56 63 70	8943 7833 6915 6142 5482 5282 4582 3993 3609 3206 2862	**66,32** **58,00** **51,13** **45,36** **40,44** **39,00** **33,78** **29,40** **26,52** **23,52** **20,97**	48734 55713 60547 62321 61862 61681 60823 59804 58950 57873 56770	0,9 1,0 1,2 1,3 1,5 1,5 1,7 2,0 2,2 2,5 2,8	**KR773-3E180L/4D** **KR773-2E180L/4C**	42,50 42,50	578 578	176	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
22 30	73 84 97	2757 2392 2085	**20,23** **17,52** **15,25**	56409 54934 53450	2,9 3,2 3,5	**KR773-3E180L/4D** **KR773-2E180L/4C**	42,50 42,50	578 578	176	IE3 IE2
	45 52 60 69 79 89 102 118 136 156 178	4429 3815 3316 2903 2556 2259 1970 1697 1475 1291 1137	**32,68** **28,10** **24,38** **21,32** **18,74** **16,54** **14,49** **12,46** **10,81** **9,45** **8,31**	27119 32647 36295 38906 40876 42403 48904 47633 46378 45147 43941	1,0 1,1 1,3 1,5 1,7 1,9 1,5 1,7 1,8 2,0 2,2	**KR673-3E180L/4D** **KR673-2E180L/4C**	42,50 42,50	439 439	164	IE3 IE2
	93 109 127 131 156 183 213	2160 1842 1580 1525 1291 1101 944	**15,88** **13,53** **11,58** **11,22** **9,48** **8,07** **6,91**	29574 29225 28755 27898 27371 26769 26117	0,9 1,0 1,1 1,0 1,1 1,2 1,3	**KR573-3E180L/4D** **KR573-2E180L/4C**	42,50 42,50	361 361	152	IE3 IE2
	197 237	1021 849	**7,48** **6,21**	11869 11893	0,8 1,0	**KR473-3E180L/4D** **KR473-2E180L/4C**	42,50 42,50	319 319	140	IE3 IE2
30 40	14	19734	**71,60**	74360	1,0	**KR973-3E225S/6C** **KR973-2E225S/6B**	57,60 57,60	1378 1353	200	IE3 IE2
	14 16 18 21 23 27 31 34 39 47 53	19108 16740 14819 13229 11891 10140 8952 7951 7098 5883 5194	**103,87** **90,85** **80,31** **71,60** **64,28** **54,80** **48,31** **42,86** **38,21** **31,63** **27,88**	75727 80436 83854 86448 88571 91289 92916 94262 95385 96858 97679	1,0 1,2 1,3 1,5 1,7 2,0 2,2 2,5 2,7 3,3 3,7	**KR973-3E200L/4D** **KR973-2E200L/4C**	54,50 55,50	1306 1281	200	IE3 IE2
	18 21 24 27 30 34 39 43 49 61	14913 13039 11519 10261 9203 7997 7041 6361 5550 4516	**81,06** **70,76** **62,42** **55,53** **49,75** **43,22** **38,00** **34,28** **29,88** **24,28**	79086 87943 94173 98787 102239 106655 105031 103156 100537 96417	1,0 1,2 1,3 1,5 1,6 1,8 2,0 2,2 2,4 3,1	**KR873-3E200L/4D** **KR873-2E200L/4C**	54,50 55,50	868 855	188	IE3 IE2
	33 36 38 44 50 56	8376 7477 7204 6249 5446 4922	**45,36** **40,44** **39,00** **33,78** **29,40** **26,52**	52467 54688 54764 54831 54590 54247	1,0 1,1 1,1 1,3 1,5 1,6	**KR773-3E200L/4D** **KR773-2E200L/4C**	54,50 55,50	601 588	176	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

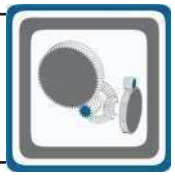


Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
30	63	4372	**23,52**	53701	1,8	**KR773-3E200L/4D**	54,50	601	176	IE3
40	70	3903	**20,97**	53050	2,0	**KR773-2E200L/4C**	55,50	588		IE2
	73	3760	**20,23**	52822	2,1					
	84	3262	**17,52**	51826	2,3					
	97	2843	**15,25**	50746	2,6					
	114	2398	**12,89**	47780	1,9					
	129	2130	**11,44**	46879	2,1					
	145	1902	**10,20**	45962	2,2					
	150	1832	**9,83**	45662	2,3					
	173	1590	**8,52**	44444	2,5					
	199	1385	**7,41**	43223	2,8					
	60	4522	**24,38**	26181	1,0	**KR673-3E200L/4D**	54,50	460	164	IE3
	69	3959	**21,32**	31466	1,1	**KR673-2E200L/4C**	55,50	447		IE2
	79	3485	**18,74**	35118	1,2					
	89	3081	**16,54**	37819	1,4					
	102	2687	**14,49**	45501	1,1					
	118	2314	**12,46**	44708	1,2					
	136	2012	**10,81**	43839	1,3					
	156	1761	**9,45**	42927	1,5					
	178	1551	**8,31**	41990	1,6					
37	18	18616	**54,80**	76726	1,1	**KR973-3E250M/6C**	68,80	1498	200	IE3
50	20	16433	**48,31**	81083	1,2	**KR973-2E250M/6B**	69,60	1438		IE2
	21	16316	**71,60**	81198	1,2	**KR973-3E225S/4C**	65,70	1368	200	IE3
	23	14666	**64,28**	84198	1,4	**KR973-2E225S/4B**	66,00	1343		IE2
	27	12507	**54,80**	87908	1,6					
	31	11041	**48,31**	90137	1,8					
	34	9807	**42,86**	91937	2,0					
	39	8755	**38,21**	93411	2,2					
	47	7257	**31,63**	95336	2,7					
	53	6406	**27,88**	96509	3,0					
	60	5691	**24,73**	97284	3,4					
	67	5080	**22,05**	97963	3,8					
	79	4306	**18,73**	103765	2,9					
	89	3802	**16,51**	104464	3,2					
	101	3377	**14,65**	101735	3,5					
	113	3015	**13,06**	98859	3,8					
	126	2702	**11,69**	96118	4,0					
	27	12656	**55,53**	89463	1,2	**KR873-3E225S/4C**	65,70	970	188	IE3
	30	11351	**49,75**	94671	1,3	**KR873-2E225S/4B**	66,00	954		IE2
	34	9864	**43,22**	100882	1,5					
	39	8685	**38,00**	100472	1,6					
	43	7845	**34,28**	99043	1,8					
	49	6846	**29,88**	96954	1,9					
	61	5570	**24,28**	93506	2,5					
	69	4904	**21,34**	91240	2,8					
	77	4430	**19,26**	89380	3,0					
	88	3866	**16,78**	86841	3,3					
	106	3203	**13,93**	82152	2,7					
	120	2820	**12,25**	79871	3,0					
	133	2547	**11,05**	78039	3,2					
	44	7708	**33,78**	49588	1,0	**KR773-3E225S/4C**	65,70	693	176	IE3
	50	6717	**29,40**	50027	1,2	**KR773-2E225S/4B**	66,00	677		IE2
	56	6071	**26,52**	50131	1,3					
	63	5393	**23,52**	50050	1,5					
	70	4814	**20,97**	49795	1,7					

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
37 50	73 84 97 114 129 145 150 173 199	4638 4024 3507 2958 2628 2346 2260 1961 1709	**20,23** **17,52** **15,25** **12,89** **11,44** **10,20** **9,83** **8,52** **7,41**	49683 49108 48380 45420 44785 44095 43862 42884 41866	1,7 1,9 2,1 1,5 1,7 1,8 1,9 2,1 2,3	**KR773-3E225S/4C** **KR773-2E225S/4B**	65,70 66,00	693 677	176	IE3 IE2
	79 89 156 178	4299 3800 2173 1913	**18,74** **16,54** **9,45** **8,31**	28379 32786 40986 40283	1,0 1,1 1,2 1,3	**KR673-3E225S/4C** **KR673-2E225S/4B**	65,70 66,00	552 536	164	IE3 IE2
45 60	20	19927	**48,31**	74032	1,0	**KR973-3G280S/6** **KR973-2G280S/6**	88,00 92,00	1600 1550	200	IE3 IE2
	21 23 27 31 34 39 47 53 60 67 79 89 101 113 126	19845 17839 15212 13429 11929 10648 8826 7792 6922 6179 5238 4624 4108 3667 3286	**71,60** **64,28** **54,80** **48,31** **42,86** **38,21** **31,63** **27,88** **24,73** **22,05** **18,73** **16,51** **14,65** **13,06** **11,69**	74107 78554 83548 86601 89011 90945 93467 94911 95939 96816 103184 102912 100091 97395 94808	1,0 1,1 1,3 1,5 1,6 1,8 2,2 2,5 2,8 3,1 2,4 2,7 2,9 3,2 3,4	**KR973-3E225M/4D** **KR973-2E225M/4C**	80,00 80,00	1400 1360	200	IE3 IE2
	27 30 34 39 43 49 61 69 77 88 106 120 133 153	15394 13806 11997 10563 9542 8327 6775 5965 5389 4702 3895 3430 3099 2704	**55,53** **49,75** **43,22** **38,00** **34,28** **29,88** **24,28** **21,34** **19,26** **16,78** **13,93** **12,25** **11,05** **9,63**	76594 84676 93288 95261 94342 92857 90179 88315 86741 84541 79985 77966 76320 74086	1,0 1,1 1,2 1,3 1,4 1,6 2,1 2,3 2,4 2,7 2,2 2,4 2,6 2,9	**KR873-3E225M/4D** **KR873-2E225M/4C**	80,00 80,00	1002 1002	188	IE3 IE2
	50 56 63 70 73 84 97 114 129 145 150 173	8170 7384 6559 5855 5642 4894 4265 3598 3196 2853 2749 2385	**29,40** **26,52** **23,52** **20,97** **20,23** **17,52** **15,25** **12,89** **11,44** **10,20** **9,83** **8,52**	44812 45428 45877 46075 46095 46000 45676 42722 42392 41961 41805 41102	1,0 1,1 1,2 1,4 1,4 1,5 1,7 1,3 1,4 1,5 1,5 1,7	**KR773-3E225M/4D** **KR773-2E225M/4C**	80,00 80,00	728 728	176	IE3 IE2

K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht



Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
45 60	199	2079	**7,41**	40315	1,9	**KR773-3E225M/4D** **KR773-2E225M/4C**	80,00 80,00	728 728	176	IE3 IE2
	156 178	2643 2327	**9,45** **8,31**	38766 38332	1,0 1,1	**KR673-3E225M/4D** **KR673-2E225M/4C**	80,00 80,00	587 587	164	IE3 IE2
55 75	27 31 35 39 47 53 60 67 79 90 101 113 127	18530 16358 14530 12971 10752 9492 8431 7526 6381 5633 5004 4467 4003	**54,80** **48,31** **42,86** **38,21** **31,63** **27,88** **24,73** **22,05** **18,73** **16,51** **14,65** **13,06** **11,69**	77344 81668 84989 87602 90971 92810 94179 95219 102370 100587 98030 95560 93167	1,1 1,2 1,3 1,5 1,8 2,0 2,3 2,5 2,0 2,2 2,4 2,6 2,8	**KR973-3E250M/4D** **KR973-2E250M/4C**	95,30 95,50	1480 1420	200	IE3 IE2
	34 39 43 50 61 69 77 88 106 121 134 154	14614 12867 11624 10143 8252 7266 6564 5728 4745 4178 3775 3294	**43,22** **38,00** **34,28** **29,88** **24,28** **21,34** **19,26** **16,78** **13,93** **12,25** **11,05** **9,63**	81836 88743 88461 87734 86018 84657 83440 81666 77275 75584 74170 72213	1,0 1,1 1,2 1,3 1,7 1,9 2,0 2,2 1,8 2,0 2,1 2,4	**KR873-3E250M/4D** **KR873-2E250M/4C**	95,30 95,50	1093 1093	188	IE3 IE2
	63 71 73 84 97 115 129 145 151 174 200	7990 7133 6872 5962 5196 4383 3894 3476 3349 2906 2532	**23,52** **20,97** **20,23** **17,52** **15,25** **12,89** **11,44** **10,20** **9,83** **8,52** **7,41**	40661 41424 41611 42116 42296 39350 39400 39294 39232 38874 38376	1,0 1,1 1,1 1,3 1,4 1,0 1,1 1,2 1,3 1,4 1,5	**KR773-3E250M/4D** **KR773-2E250M/4C**	95,30 95,50	818 818	176	IE3 IE2
75 97	35 39 47 53 60 67 79 90 101 114 127	19749 17629 14613 12901 11460 10230 8673 7657 6801 6071 5441	**42,86** **38,21** **31,63** **27,88** **24,73** **22,05** **18,73** **16,51** **14,65** **13,06** **11,69**	75105 79655 85282 88072 90248 92036 97926 95915 93892 91875 89873	1,0 1,1 1,3 1,5 1,7 1,9 1,5 1,6 1,8 1,9 2,1	**KR973-3G280S/4** **KR973-2G280S/4**	133,00 133,00	1615 1585	200	IE3 IE2

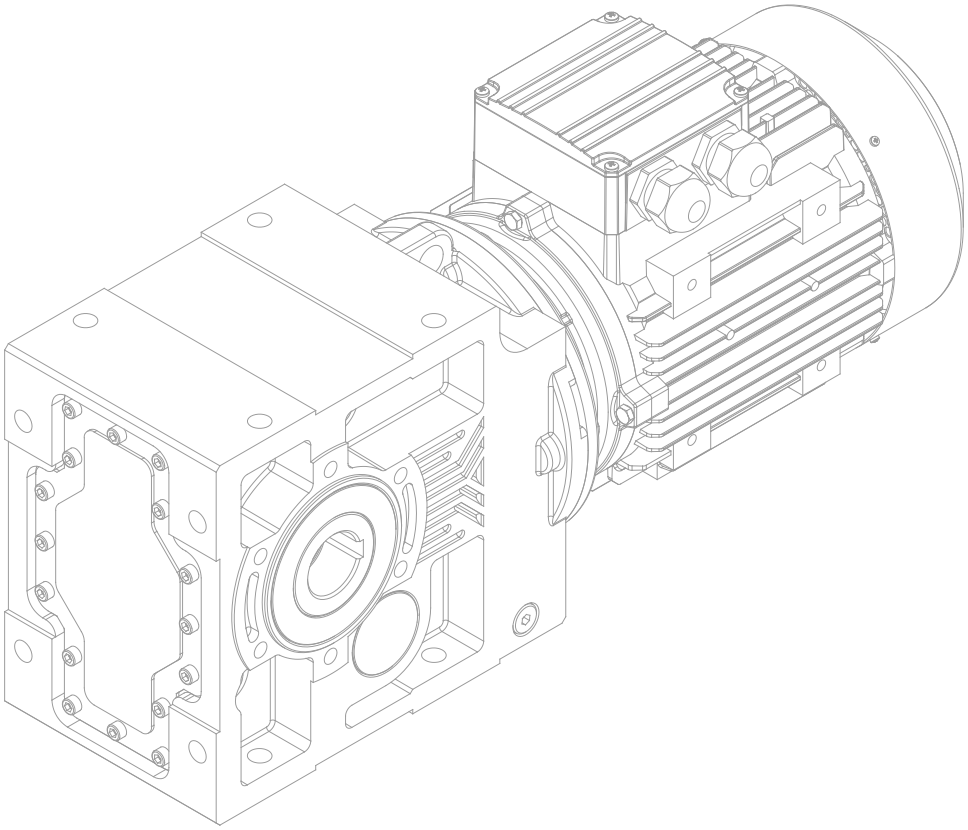
K Series Geared Motors Performance Tables
K Serien Getriebemotoren Leistung und Drehzahlübersicht

Power Leistung **P_g [kW]** P_g [HP]	*Output Speeds* Abtriebswelle Drehzahlen **n_2 [r.p.m]**	*Output Torque* Abtriebswelle Drehmomente **M_2 [Nm]**	*Ratio* Übersetzung **i**	*Per.O. Loads (Output)* Zul.Querkräfte (Abtrieb) **F_{qam} [N]**	*Service Factors* Betriebsfaktor **f_s**	*Type* Typ	*Rated Current* Nennstrom **[A]**	*Weight* Gewicht ~ **[kg]**	*Dim. Page* Maße Seite	*Motor Eff. Class* Motor Effizienz-klasse
75 97	50 61 70 77 88 107 121 134 154	13786 11216 9876 8922 7785 6450 5679 5130 4477	**29,88** **24,28** **21,34** **19,26** **16,78** **13,93** **12,25** **11,05** **9,63**	77481 77690 77337 76837 75912 71851 70816 69869 68466	1,0 1,3 1,4 1,5 1,6 1,3 1,5 1,6 1,8	**KR873-3G280S/4** **KR873-2G280S/4**	133,00 133,00	1280 1280	188	IE3 IE2
90 117	47 53 60 67 79 90 101 114 127	17536 15481 13752 12276 10408 9188 8162 7286 6530	**31,63** **27,88** **24,73** **22,05** **18,73** **16,51** **14,65** **13,06** **11,69**	80119 83948 86873 89224 93920 92391 90773 89099 87392	1,1 1,2 1,4 1,6 1,2 1,3 1,5 1,6 1,7	**KR973-3G280M/4** **KR973-2G280M/4**	158,00 158,00	1675 1625	200	IE3 IE2
	61 70 77 88 107 121 134 154	13460 11852 10707 9343 7740 6815 6157 5373	**24,28** **21,34** **19,26** **16,78** **13,93** **12,25** **11,05** **9,63**	71440 71843 71881 71594 67780 67238 66642 65653	1,0 1,1 1,2 1,3 1,1 1,2 1,3 1,5	**KR873-3G280M/4** **KR873-2G280M/4**	158,00 158,00	1350 1350	188	IE3 IE2
110 148	53 60 67 79 90 102 114 127	18897 16786 14985 12704 11216 9963 8894 7970	**27,88** **24,73** **22,05** **18,73** **16,51** **14,65** **13,06** **11,69**	77626 81717 85041 88546 87668 86593 85380 84069	1,0 1,1 1,3 1,0 1,1 1,2 1,3 1,4	**KR973-3G315S/4** **KR973-2G315S/4**	194,00 195,00	1870 1800	200	IE3 IE2
132 177	60 67 102 114 127	20144 17982 11956 10673 9565	**24,73** **22,05** **14,65** **13,06** **11,69**	75130 79729 81968 81267 80396	1,0 1,1 1,0 1,1 1,2	**KR973-3G315M/4a** **KR973-2G315M/4a**	230,00 230,00	1890 1820	200	IE3 IE2
160 215	127	11587	**11,69**	75692	1,0	**KR973-3G315M/4b** **KR973-2G315M/4b**	280,00 275,00	1940 1900	200	IE3 IE2

Notlar / *Notes* / Notizen

Notlar / *Notes* / Notizen

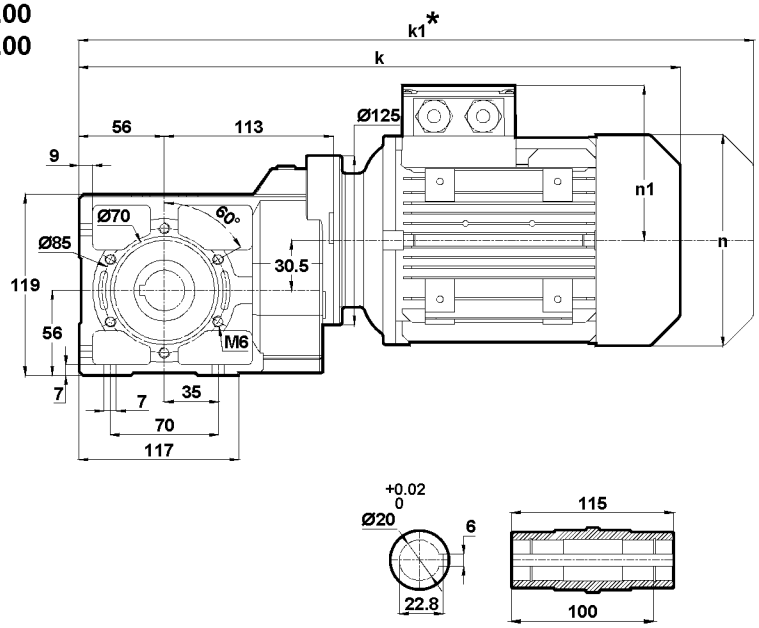
Dimension Pages

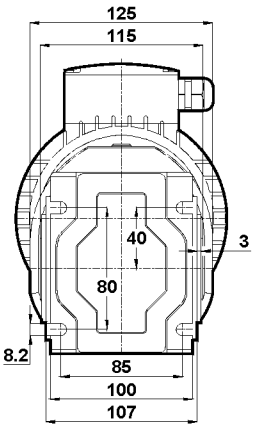


Abmessungsseiten

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

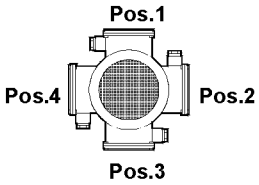
KR002.00
KR003.00





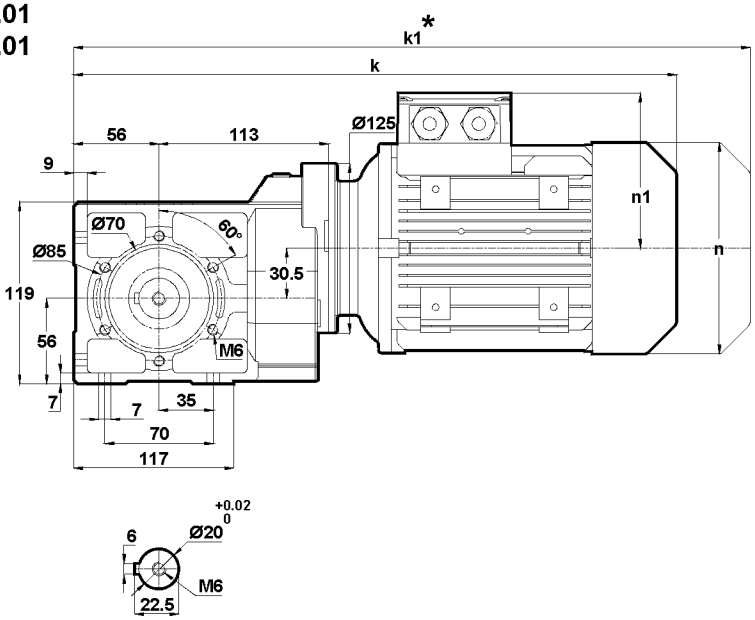
	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

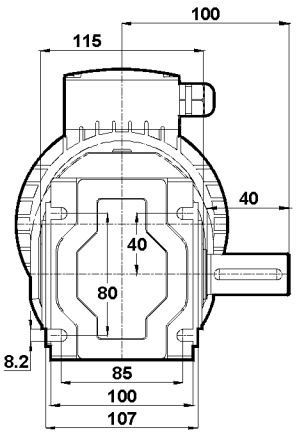
Terminal Box Positions
Klemmkasten Positionen



63-71-80-90
Type / Typ

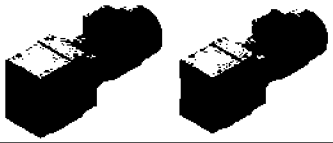
KR002.01
KR003.01





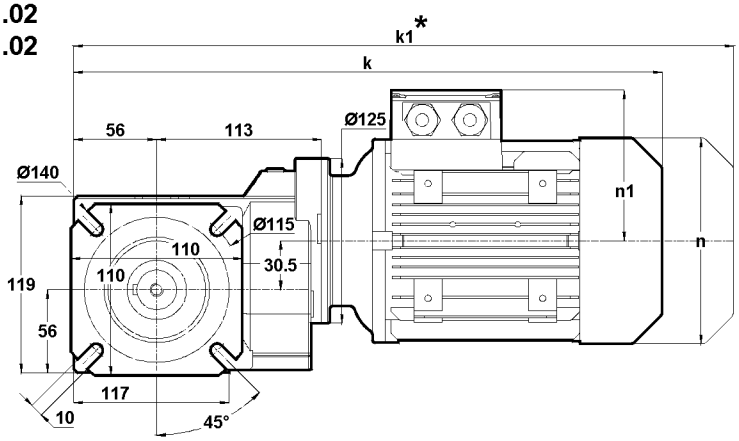
	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

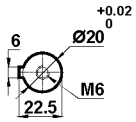
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

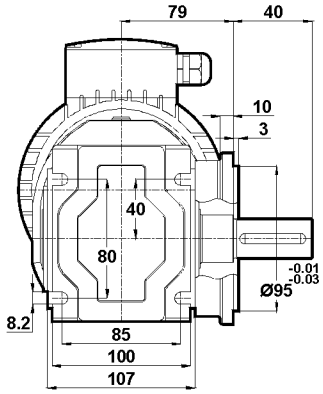


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

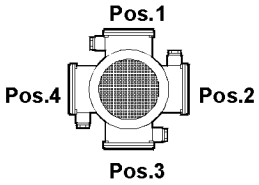
KR002.02
KR003.02







Terminal Box Positions
Klemmkasten Positionen

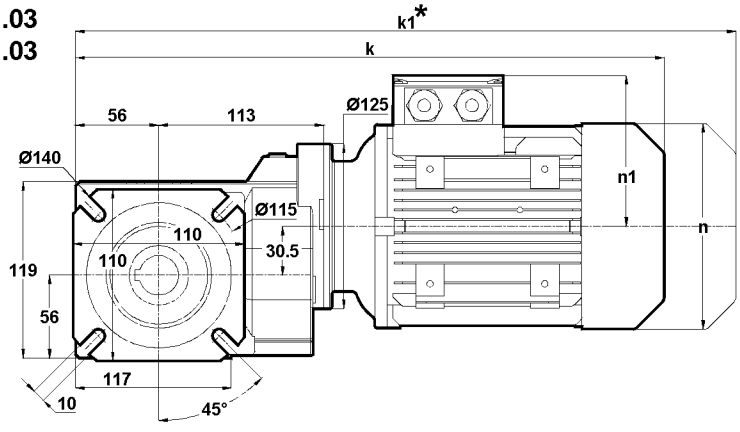


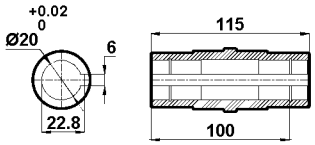
63-71-80-90
Type / Typ

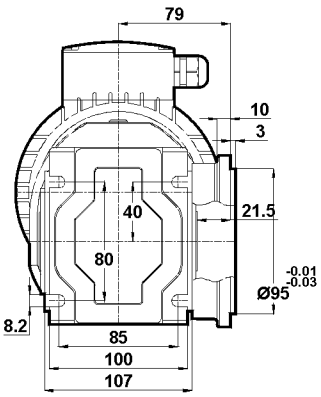
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

KR002.03
KR003.03



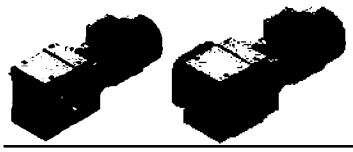




Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

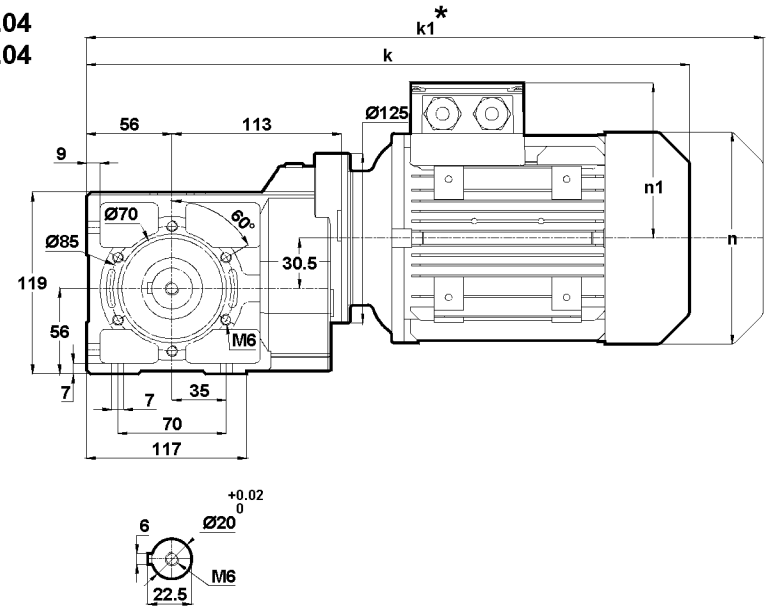
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

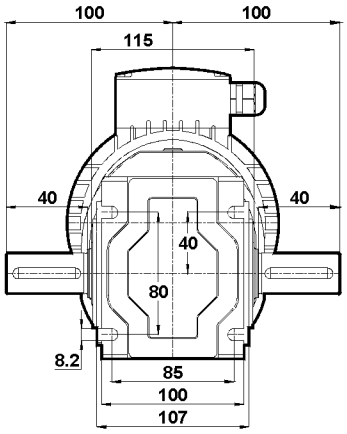
	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132



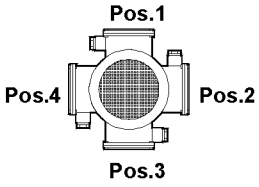
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR002.04
KR003.04





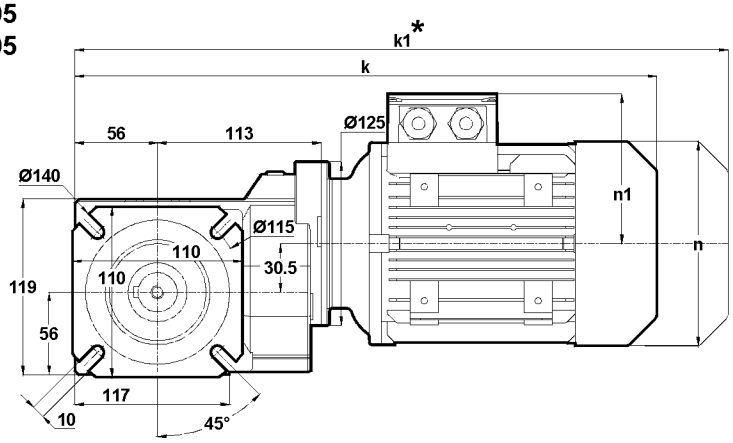
Terminal Box Positions
Klemmkasten Positionen

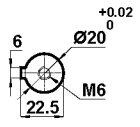


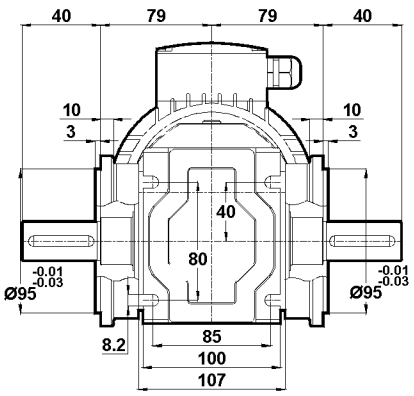
63-71-80-90
Type / Typ

	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

KR002.05
KR003.05







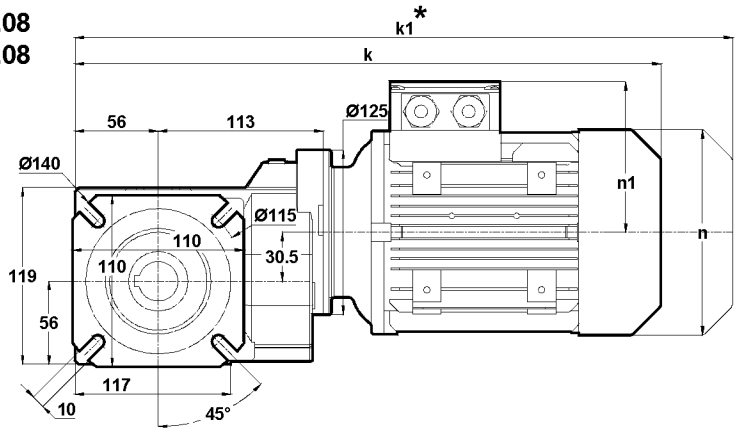
	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

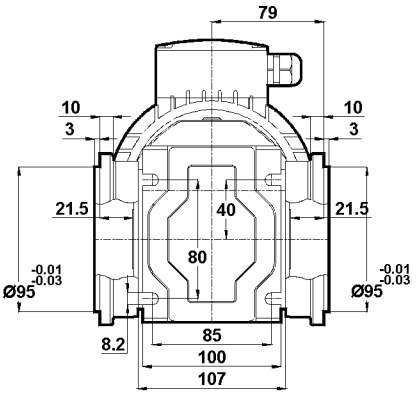
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

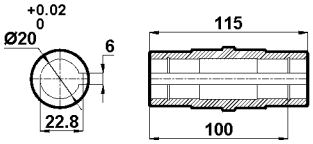
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR002.08
KR003.08

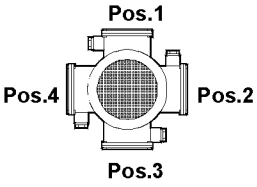






	63	71	80	90S	90L
k	366.5	395	429	468	468
k1	427.5	486	522	571.5	571.5
n	121	137	155	176	176
n1	97	112	123	132	132

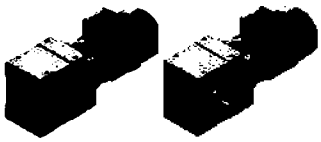
Terminal Box Positions
Klemmkasten Positionen



63-71-80-90
Type / Typ

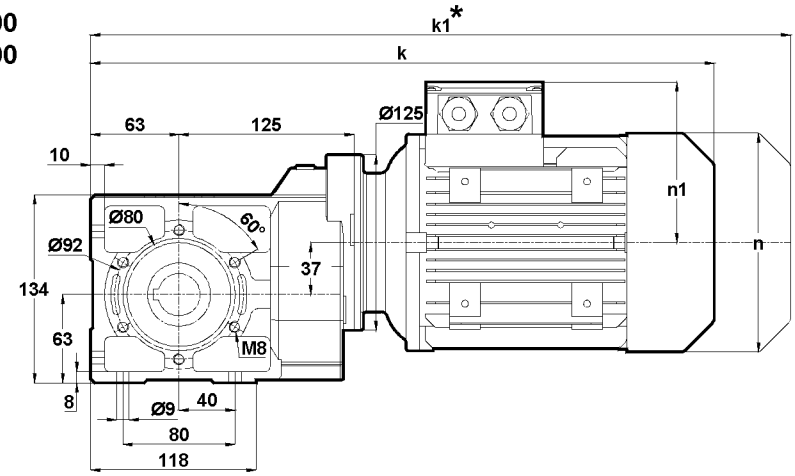
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

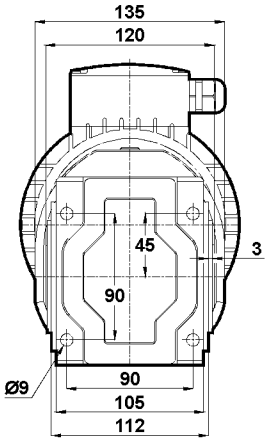
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

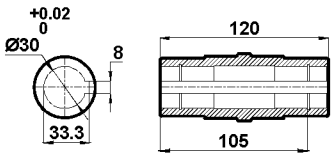


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

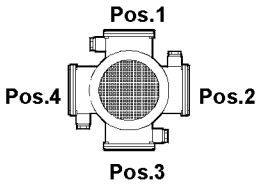
KR102.00
KR103.00







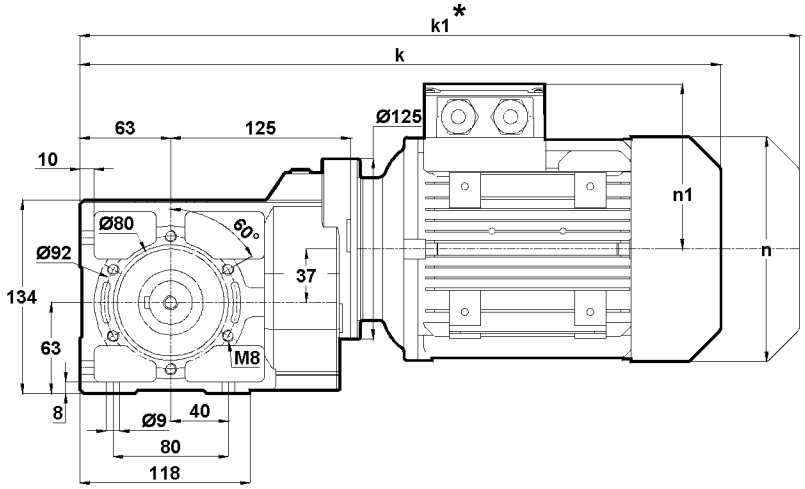
Terminal Box Positions
Klemmkasten Positionen

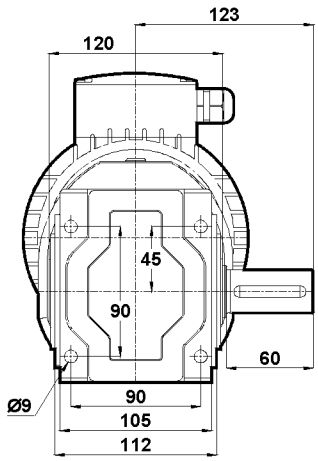


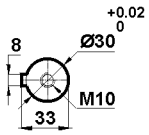
63-71-80-90
Type / Typ

	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

KR102.01
KR103.01





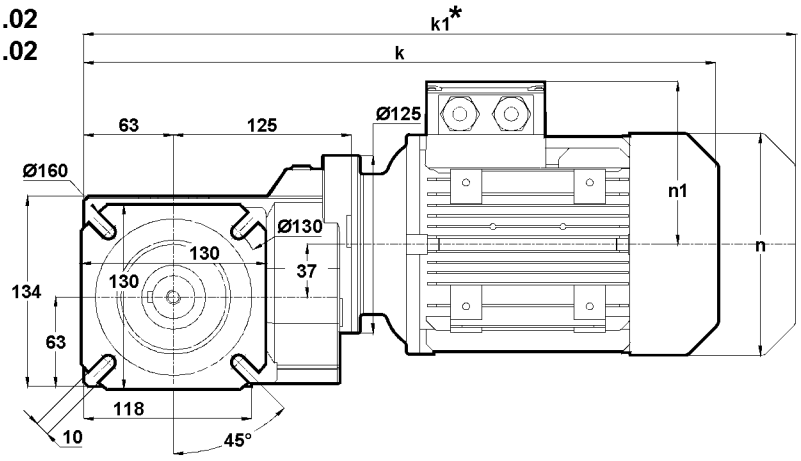


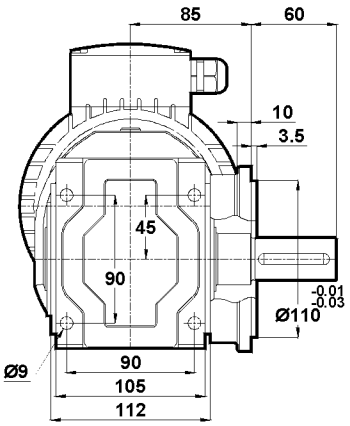
	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

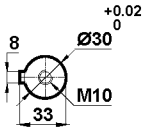
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

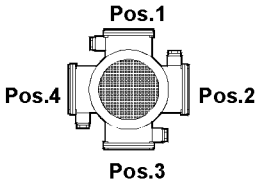
KR102.02
KR103.02







Terminal Box Positions
Klemmkasten Positionen

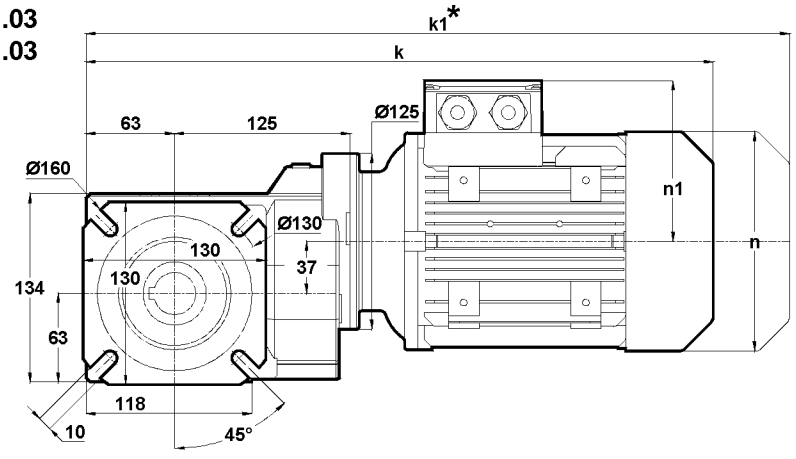


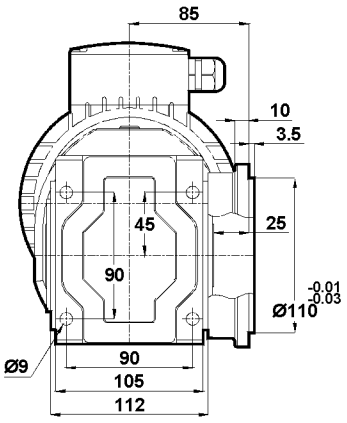
63-71-80-90
Type / Typ

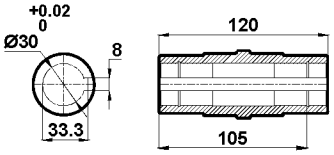
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

KR102.03
KR103.03







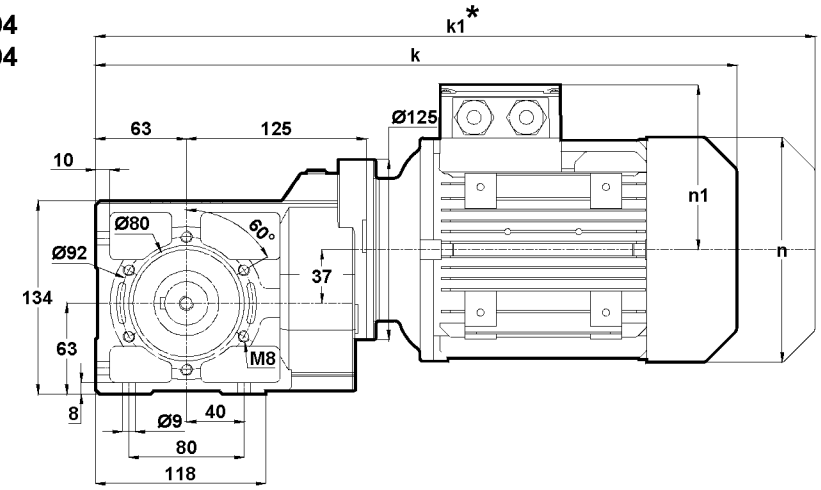
	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

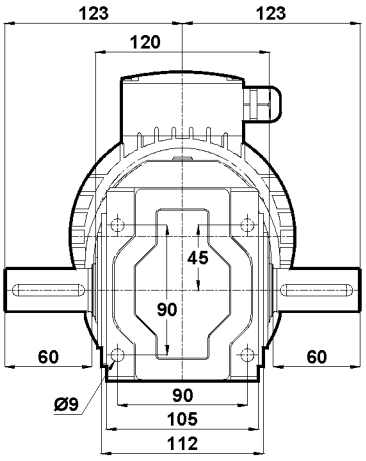
Opsiyonel flanş ölçüleri için sayfa 587'ye bakınız.
Please see on page 587 for optional flange dimensions
Siehe Siete 587 für auswählbare Flanschabmessungen

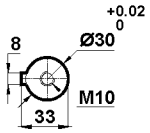
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR102.04
KR103.04

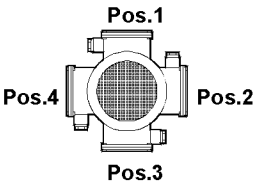






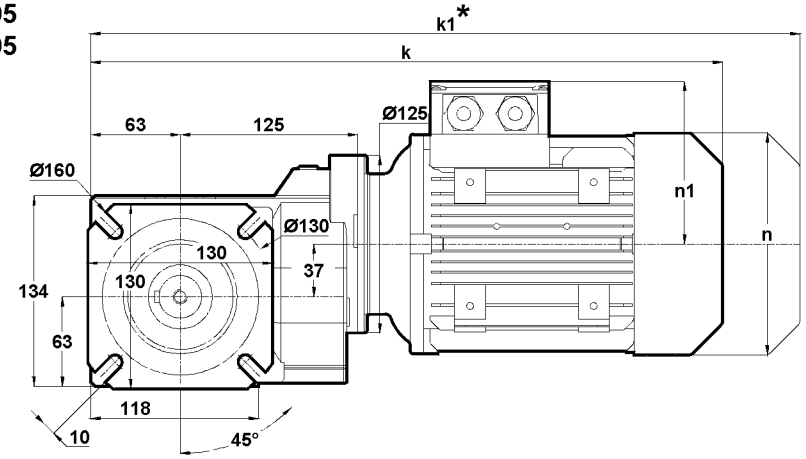
	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

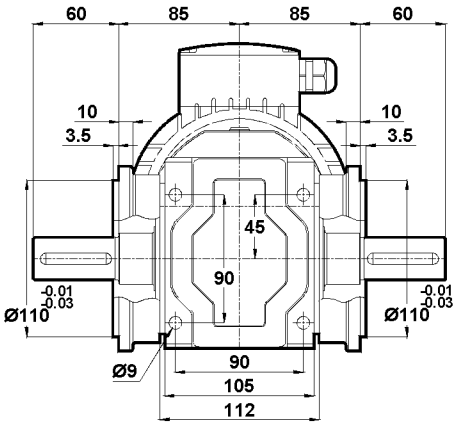
Terminal Box Positions
Klemmkasten Positionen

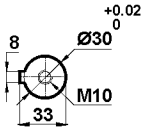


63-71-80-90
Type / Typ

KR102.05
KR103.05







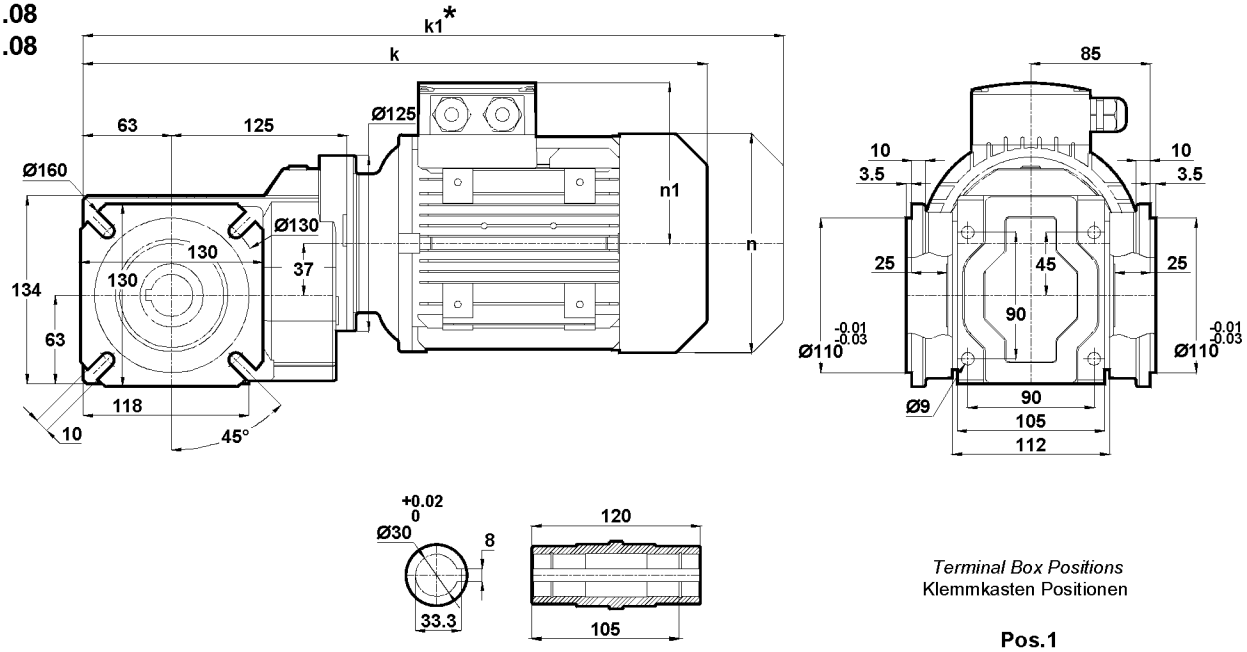
	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

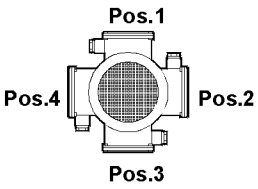
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR102.08
KR103.08



	63	71	80	90S	90L
k	385.5	414	448	487	487
k1	446.5	505	541	590.5	590.5
n	121	137	155	176	176
n1	97	112	123	132	132

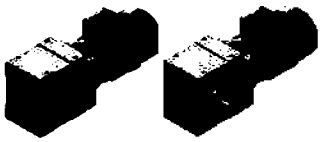
Terminal Box Positions
Klemmkasten Positionen



63-71-80-90
Type / Typ

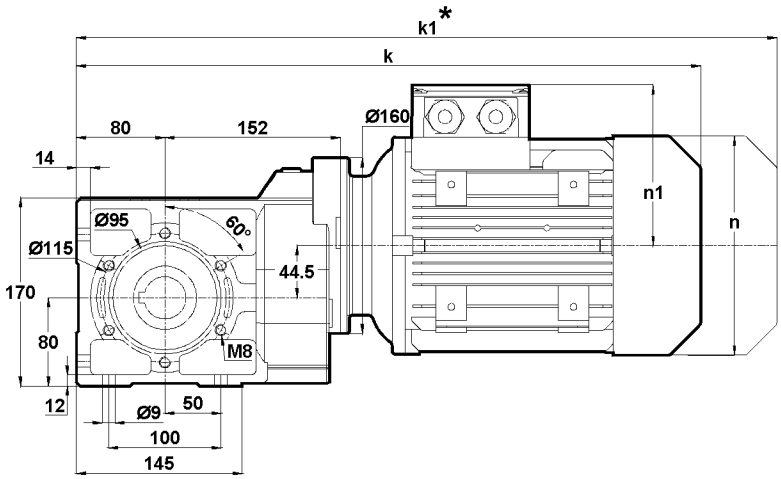
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

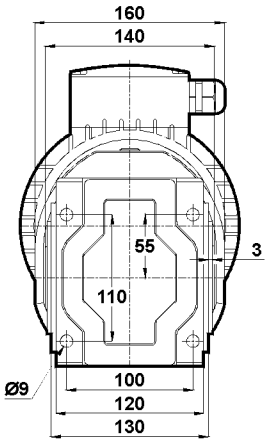
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

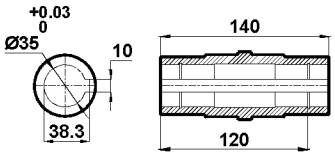


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

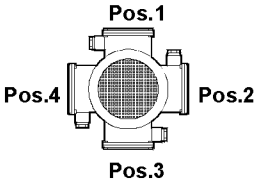
KR202.00
KR203.00







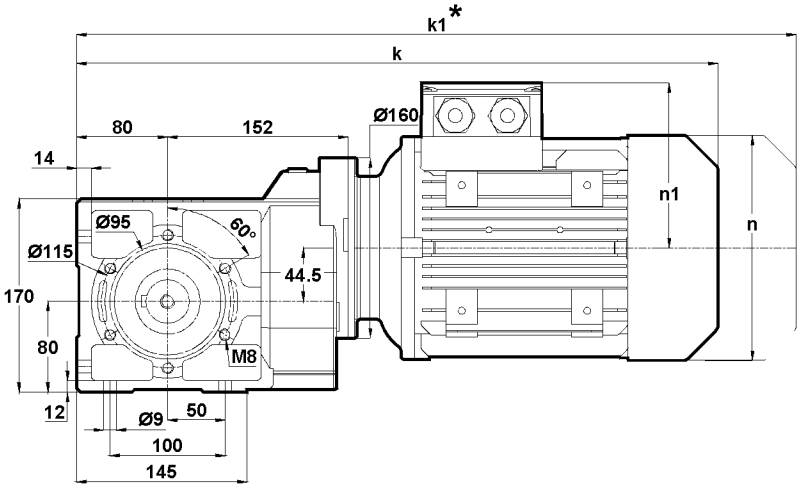
Terminal Box Positions
Klemmkasten Positionen

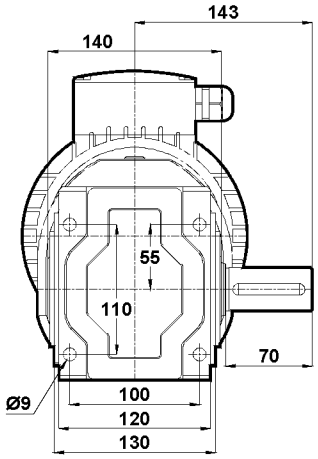


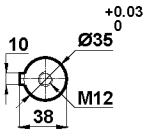
63-71-80-90-100-112
Type / Typ

	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

KR202.01
KR203.01

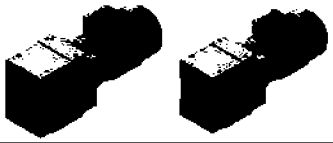






	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

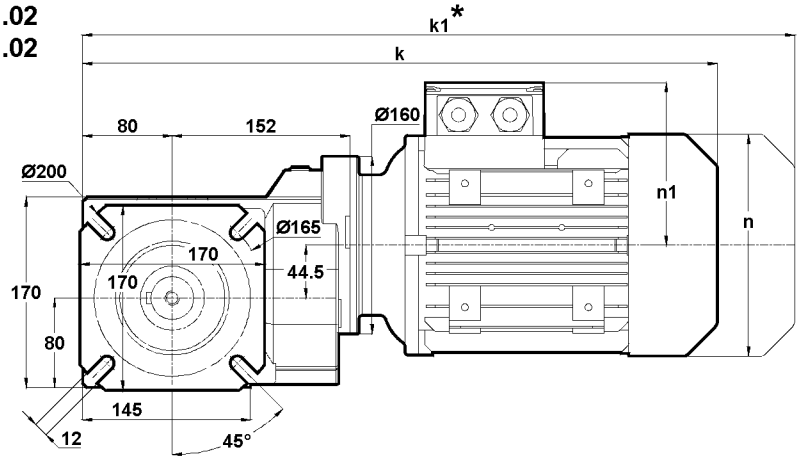
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

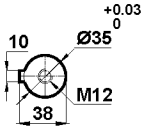


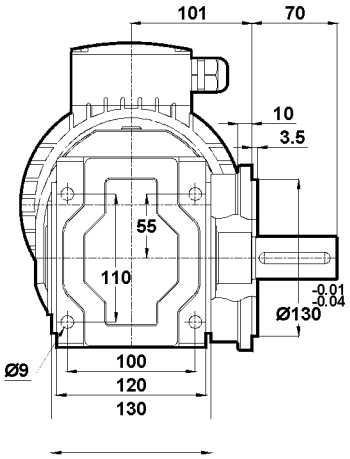
Dimension Pages
Abmessungsseiten

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

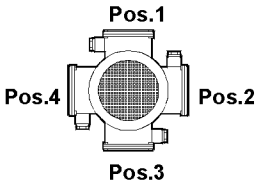
KR202.02
KR203.02







Terminal Box Positions
Klemmkasten Positionen

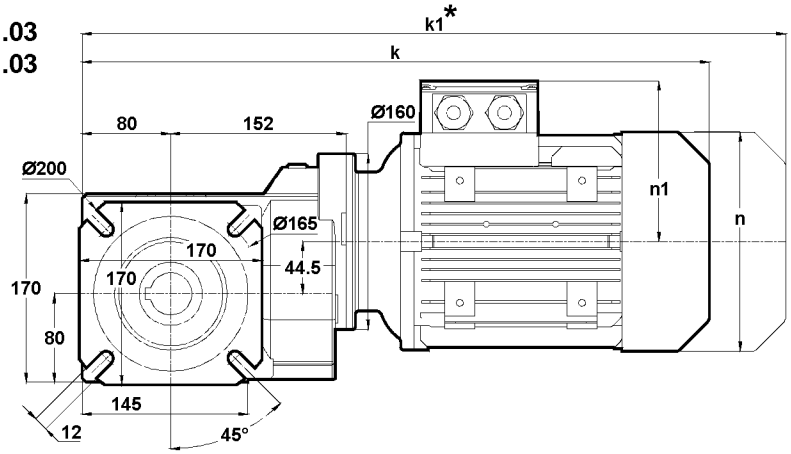


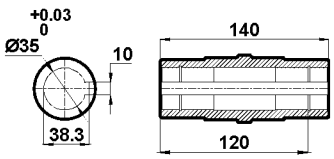
63-71-80-90-100-112
Type / Typ

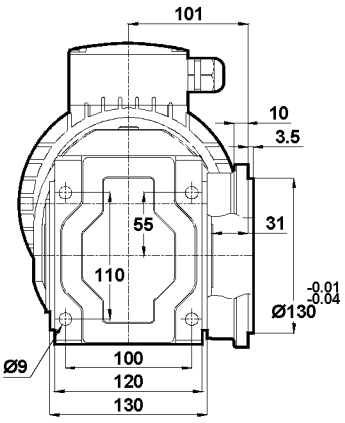
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

KR202.03
KR203.03



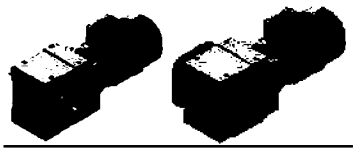




Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

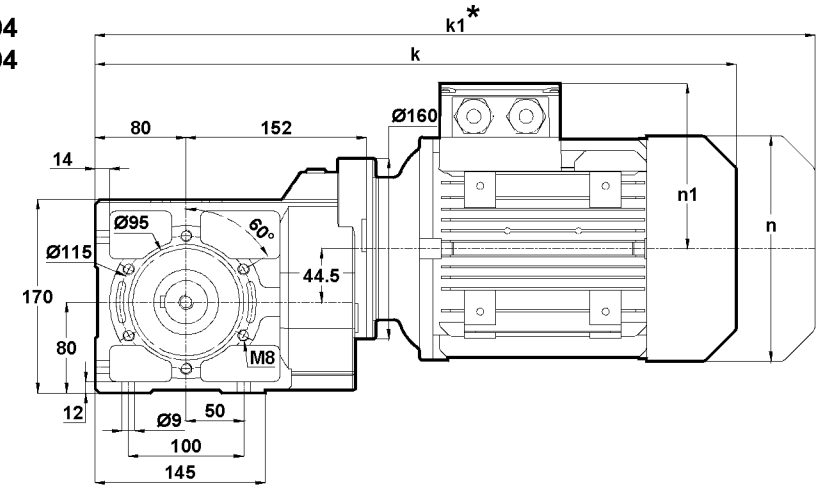
	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

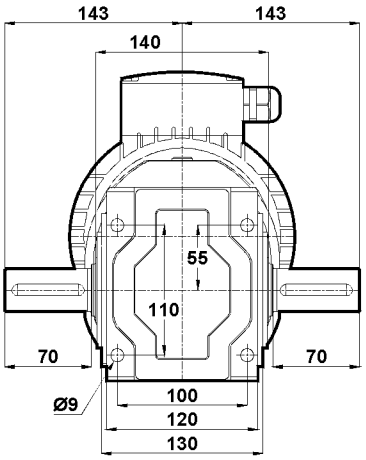
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

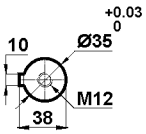


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

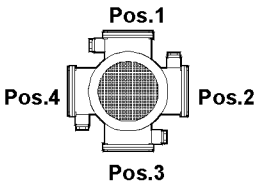
KR202.04
KR203.04







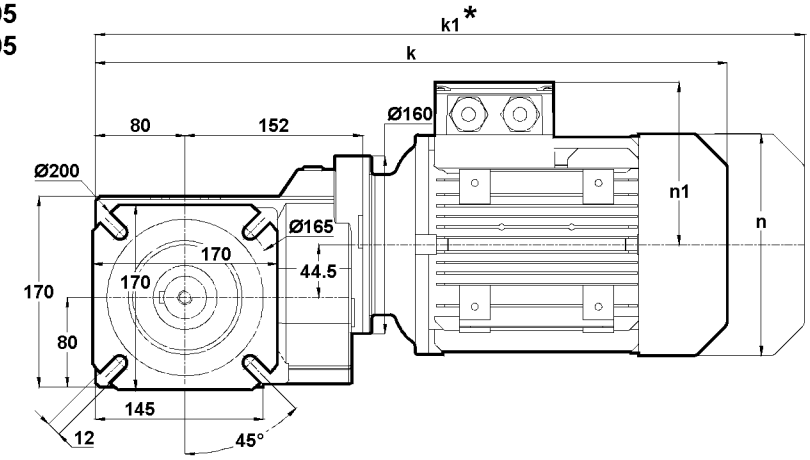
Terminal Box Positions
Klemmkasten Positionen

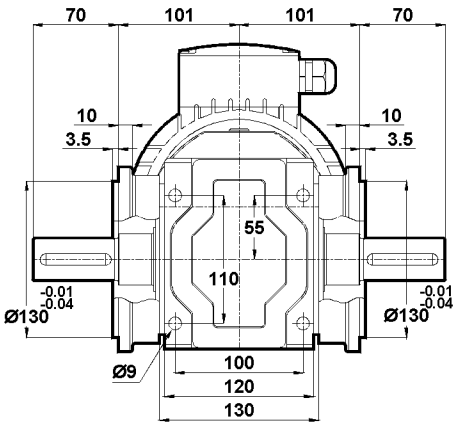


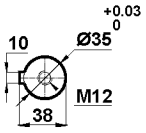
63-71-80-90-100-112
Type / Typ

	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

KR202.05
KR203.05







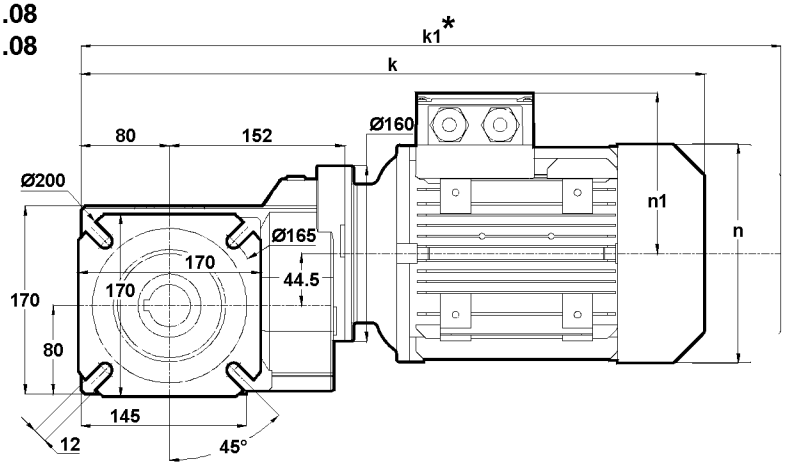
	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

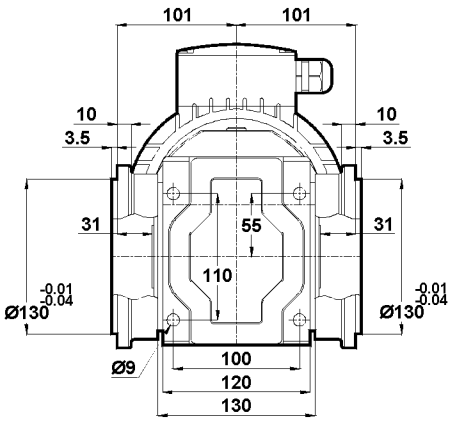
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

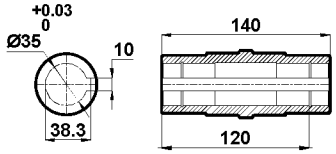
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR202.08
KR203.08

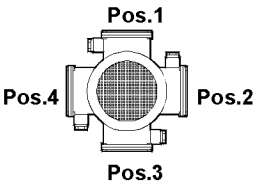






	63	71	80	90S	90L	100L	112M
k	426	453	487	526	526	574	598
k1	487	544	580	629.5	629.5	682.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161

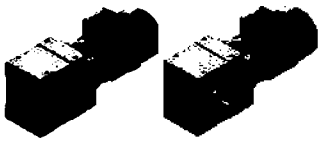
Terminal Box Positions
Klemmkasten Positionen



63-71-80-90-100-112
Type / Typ

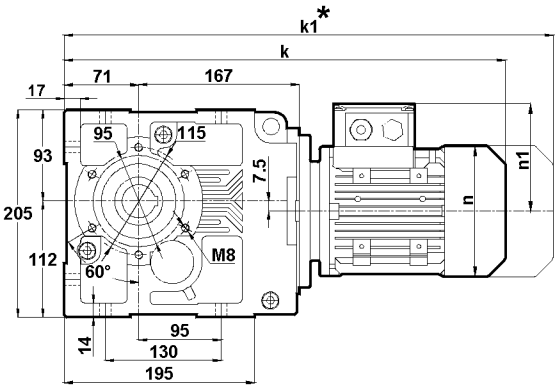
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

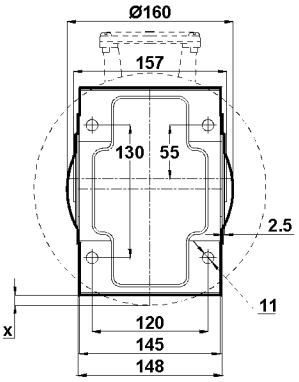
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



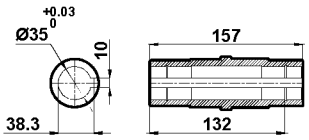
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR273.00

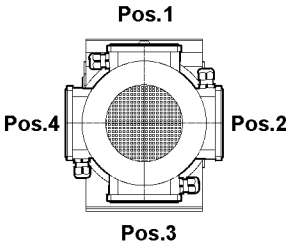




x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



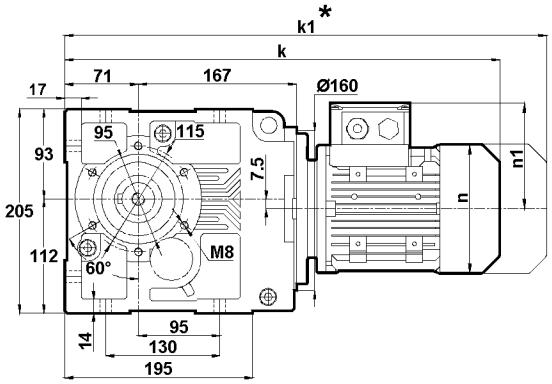
Terminal Box Positions
Klemmkasten Positionen

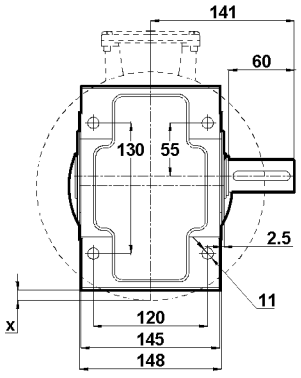


63-71- 80-90-100-112
Type / Typ

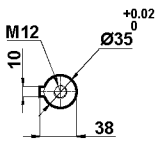
	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

KR273.01





x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

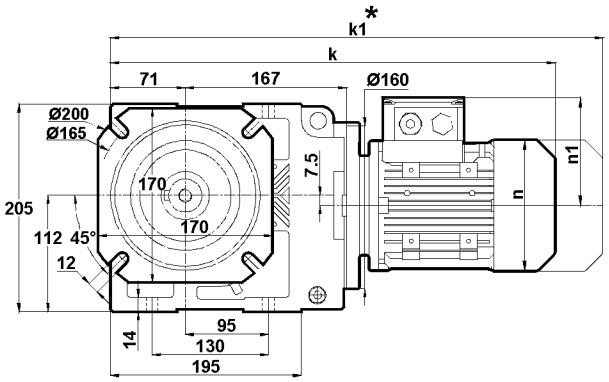


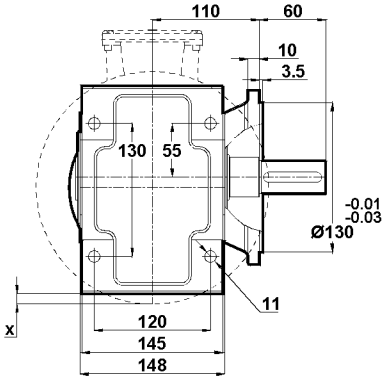
	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

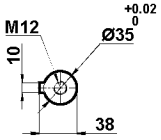
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR273.02

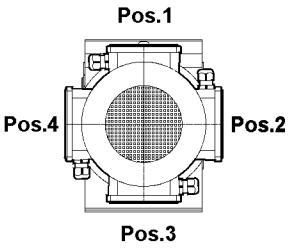




x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



Terminal Box Positions
Klemmkasten Positionen

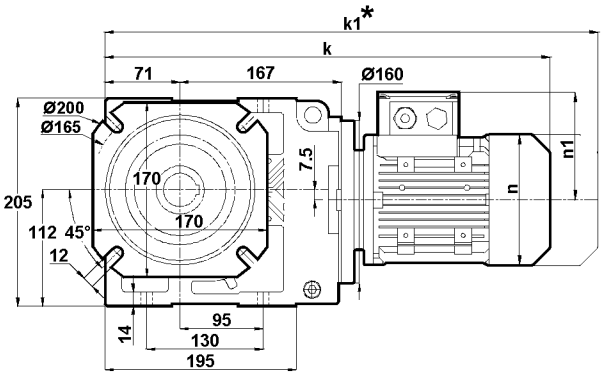


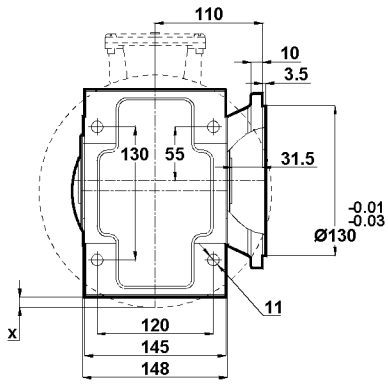
63-71-80-90-100-112
Type / Typ

	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

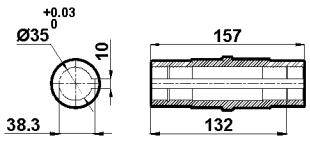
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR273.03





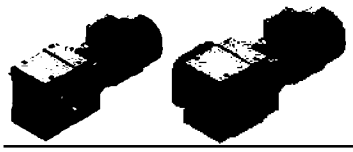
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

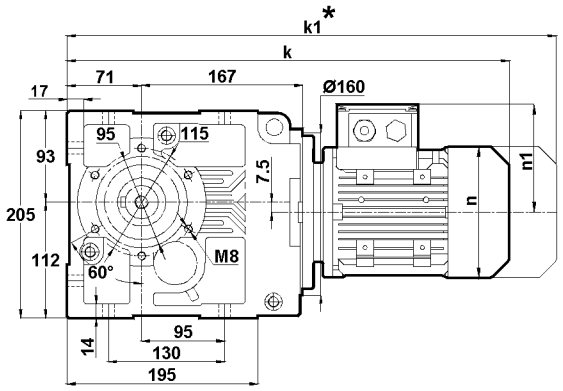
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

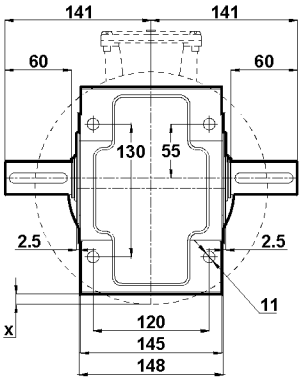
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



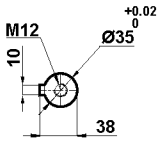
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR273.04

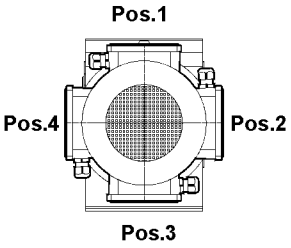




x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



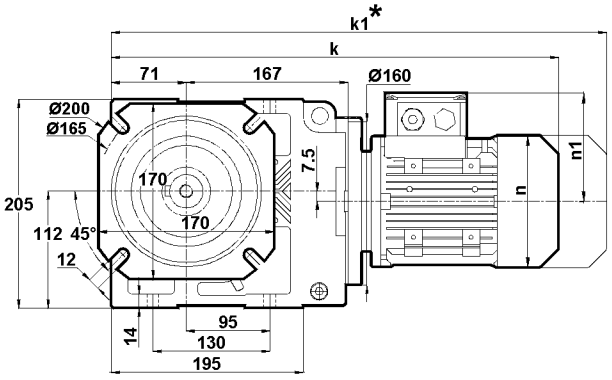
Terminal Box Positions
Klemmkasten Positionen

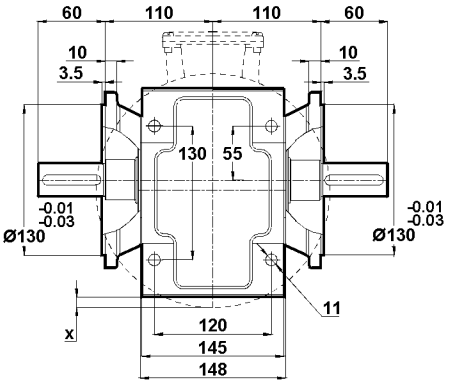


63-71- 80-90-100-112
Type / Typ

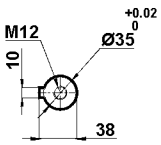
	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

KR273.05





x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



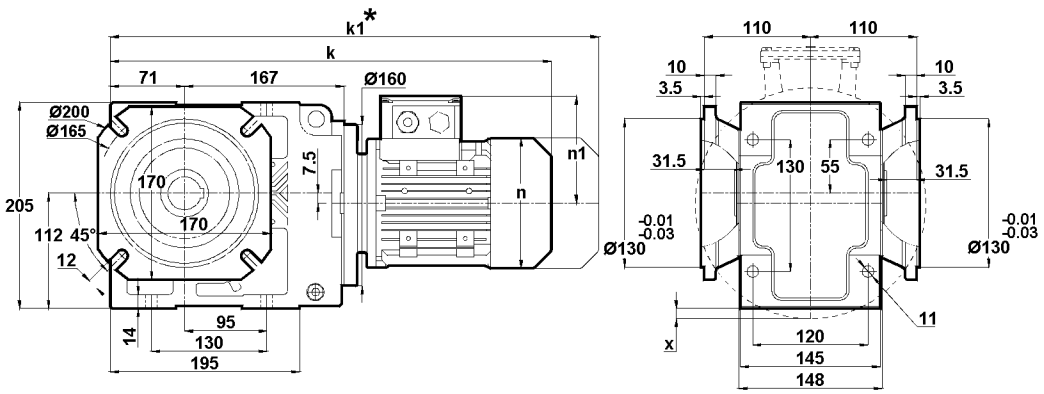
	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

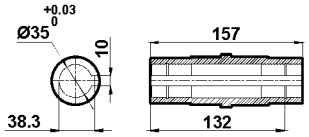
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR273.08

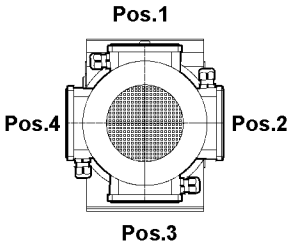


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



	63	71	80	90S	90L	100L	112M
k	432	459	493	532	532	580	604
k1	493	550	586	635.5	635.5	688.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	123	132	132	149	161
x	-	-	-	-	-	-	3

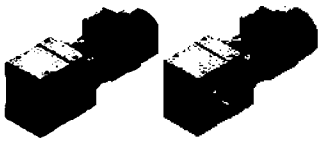
Terminal Box Positions
Klemmkasten Positionen



63-71- 80-90-100-112
Type / Typ

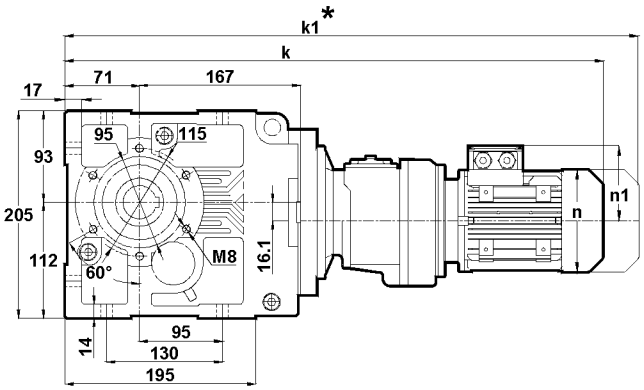
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

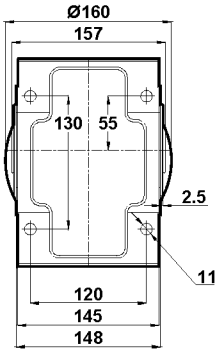
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

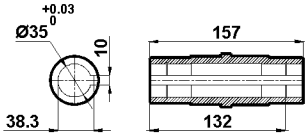


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

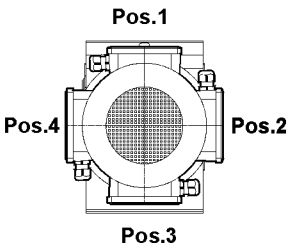
KR275.00
KR276.00







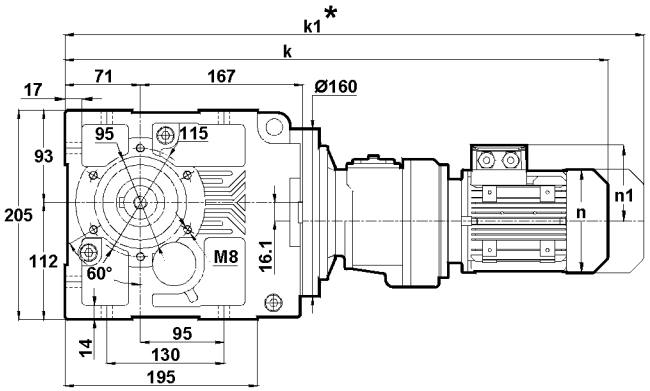
Terminal Box Positions
Klemmkasten Positionen

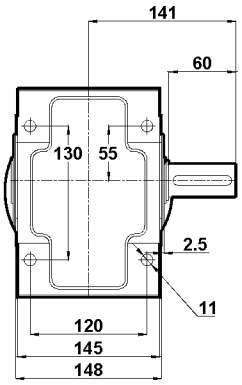


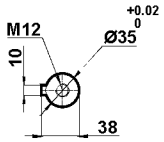
63-71-80
Type / Typ

	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

KR275.01
KR276.01





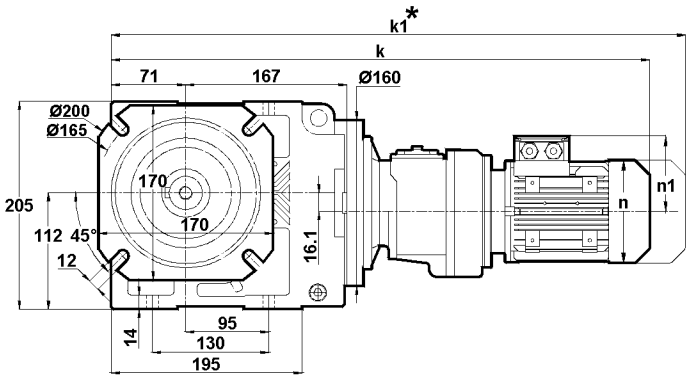


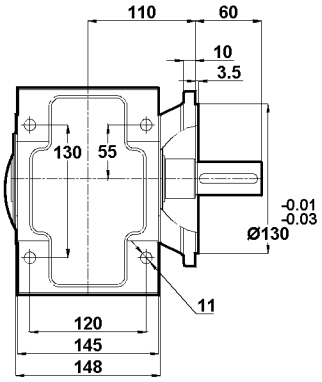
	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

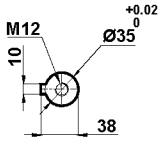
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

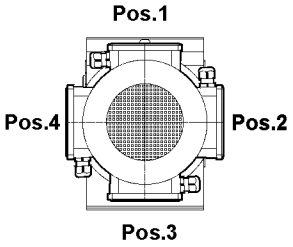
KR275.02
KR276.02







Terminal Box Positions
Klemmkasten Positionen

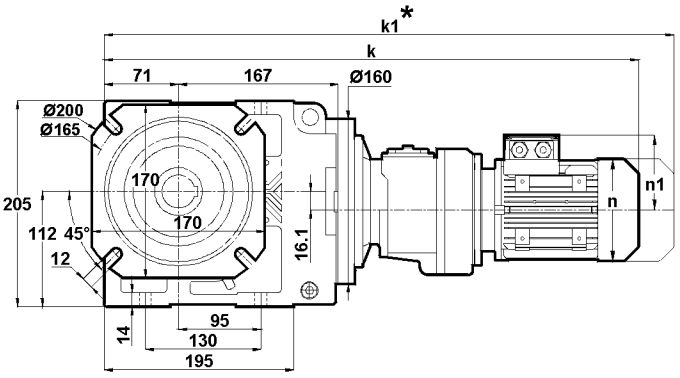


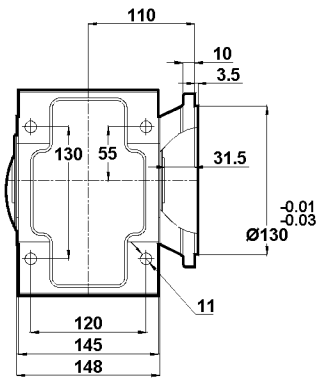
63-71-80
Type / Typ

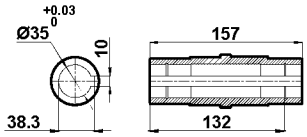
	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR275.03
KR276.03



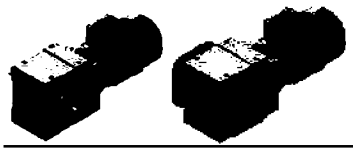




	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

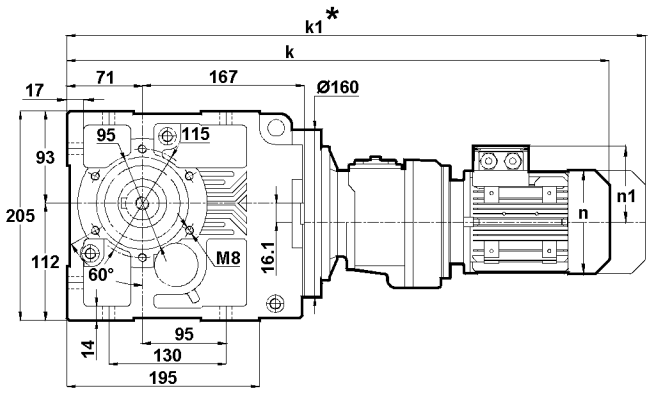
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

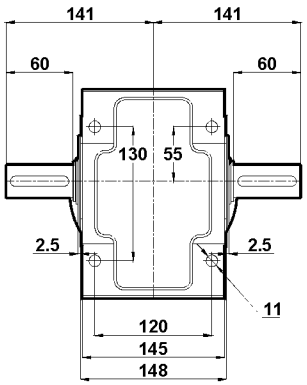
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

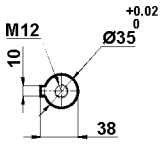


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR275.04
KR276.04

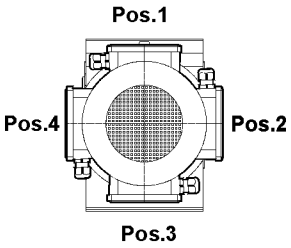






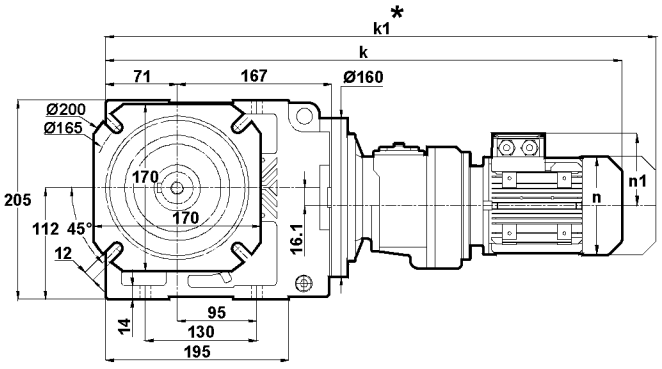
	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

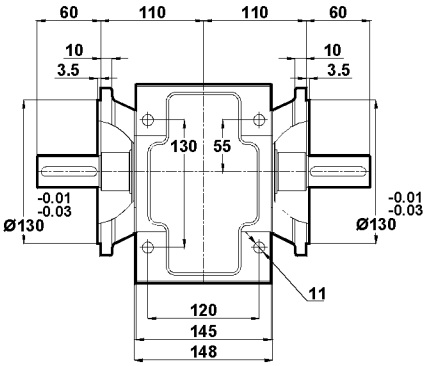
Terminal Box Positions
Klemmkasten Positionen

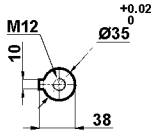


63-71-80
Type / Typ

KR275.05
KR276.05







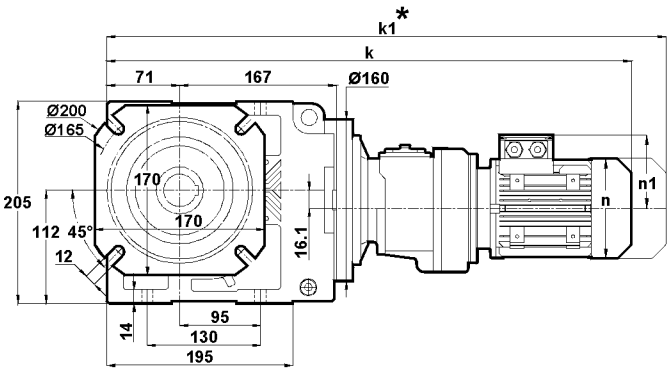
	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

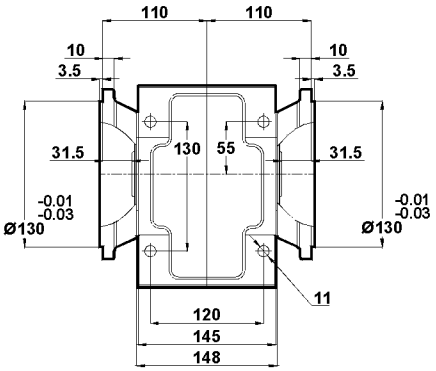
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

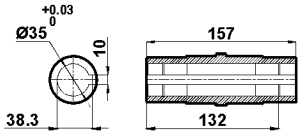
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR275.08
KR276.08

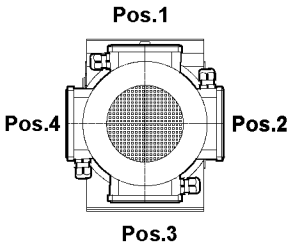






	63	71	80
k	581.5	610	644
k1	642.5	701	737
n	121	137	155
n1	97	112	123

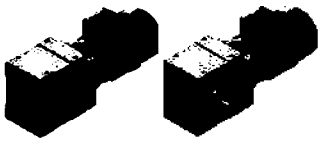
Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

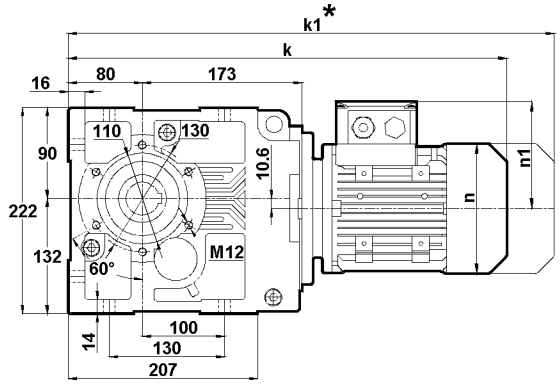
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

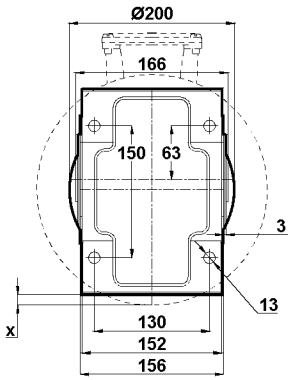
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

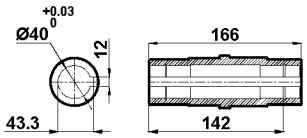


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR283.00

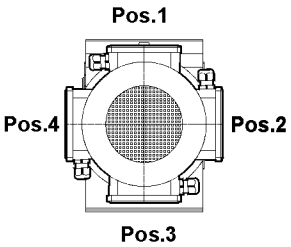






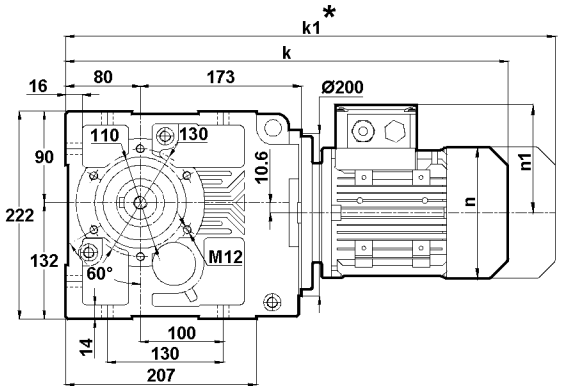
	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

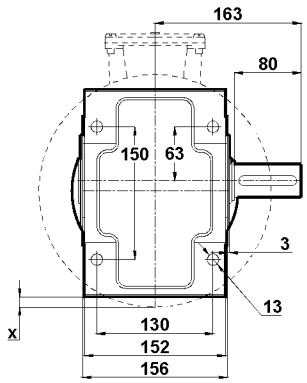
Terminal Box Positions
Klemmenkasten Positionen

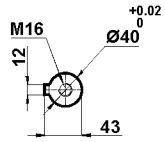


71-80-90-100-112-132
Type / Typ

KR283.01





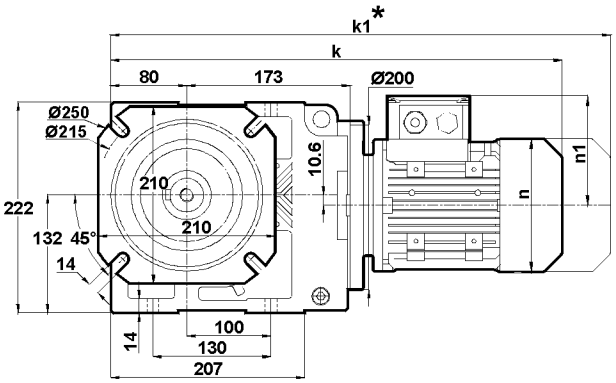


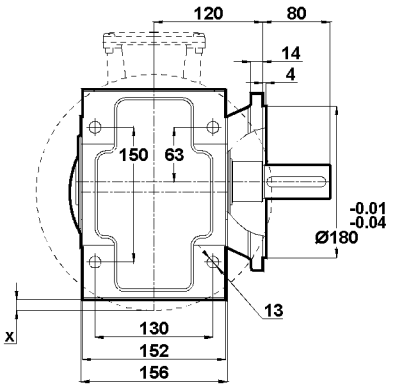
	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

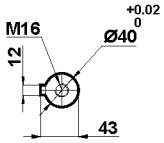
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR283.02

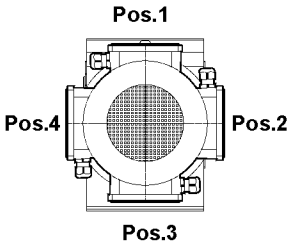






	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

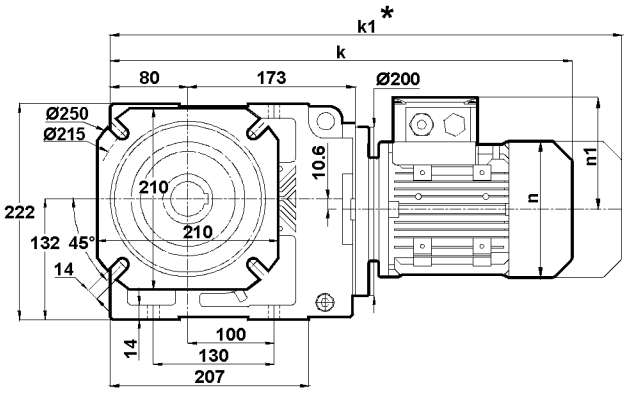
Terminal Box Positions
Klemmkasten Positionen

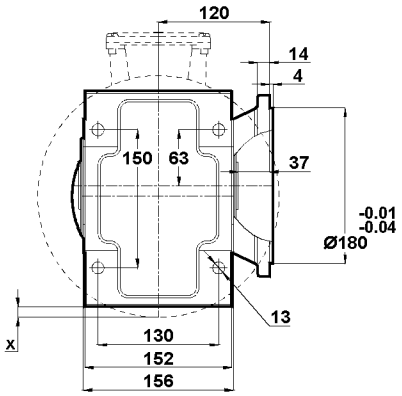


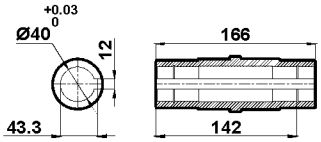
71-80-90-100-112-132
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR283.03



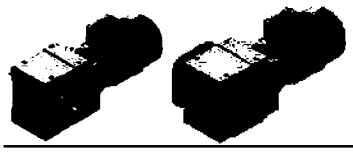




	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

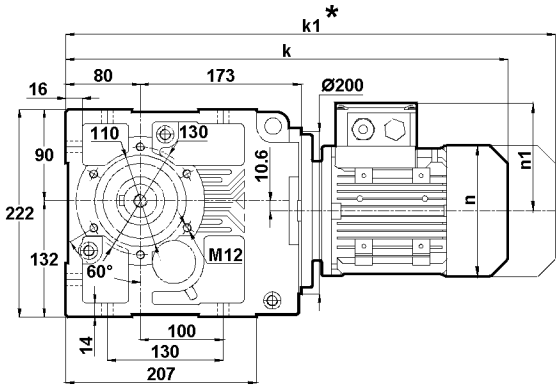
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

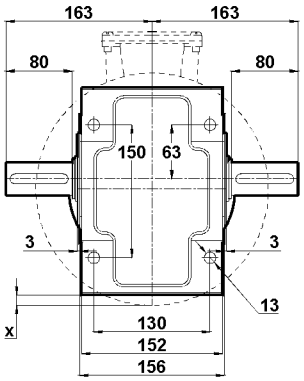


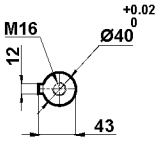
Dimension Pages
Abmessungsseiten

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

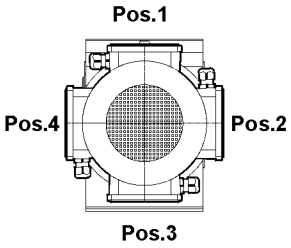
KR283.04







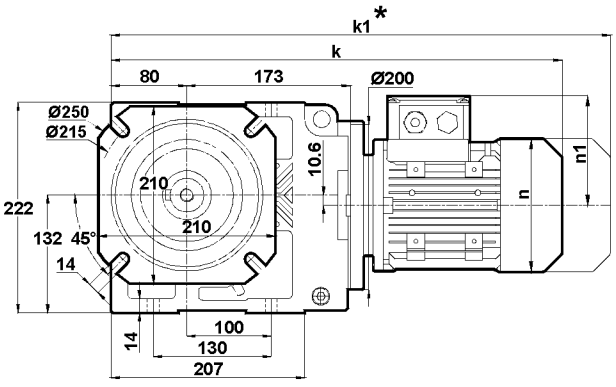
Terminal Box Positions
Klemmkasten Positionen

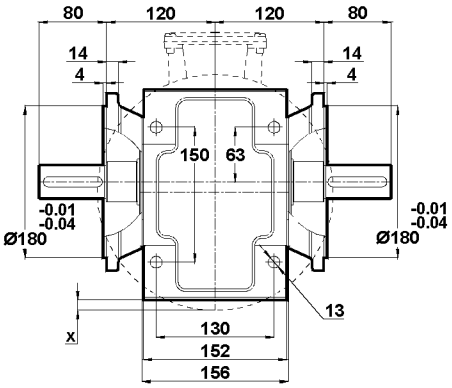


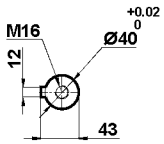
71-80-90-100-112-132
Type / Typ

	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

KR283.05







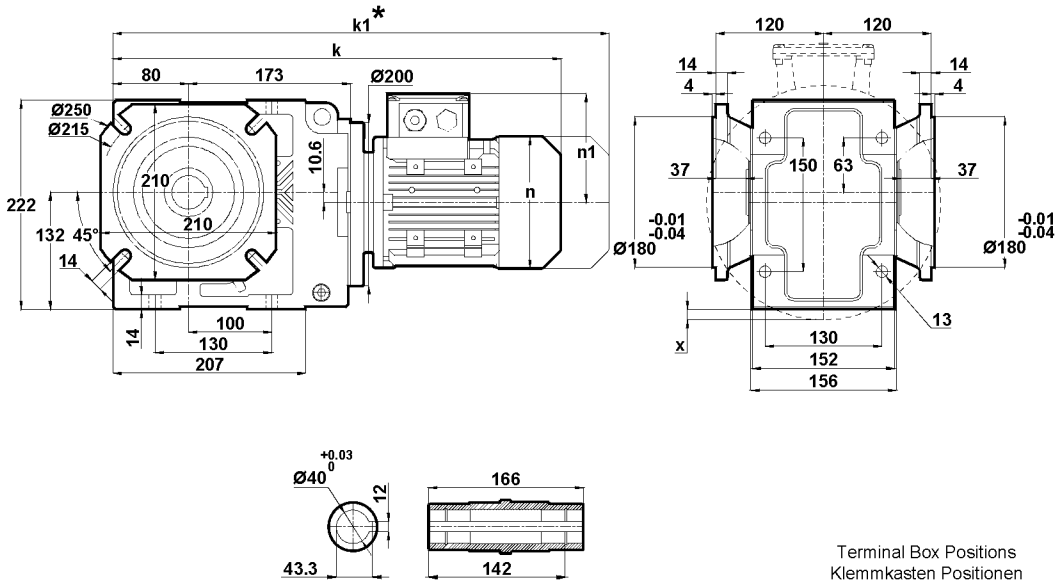
	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

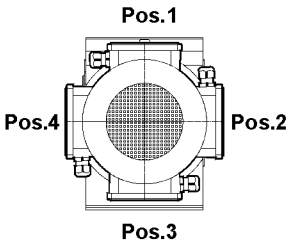
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR283.08



	71	80	90S	90L	100L	112M	132S	132M
k	465	499	538	538	586	610	696.5	696.5
k1	556	592	641.5	641.5	694.5	714.5	826.5	826.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	7.1	7.1

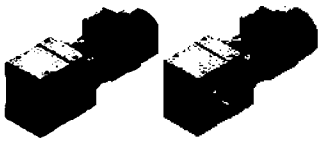
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112-132
Type / Typ

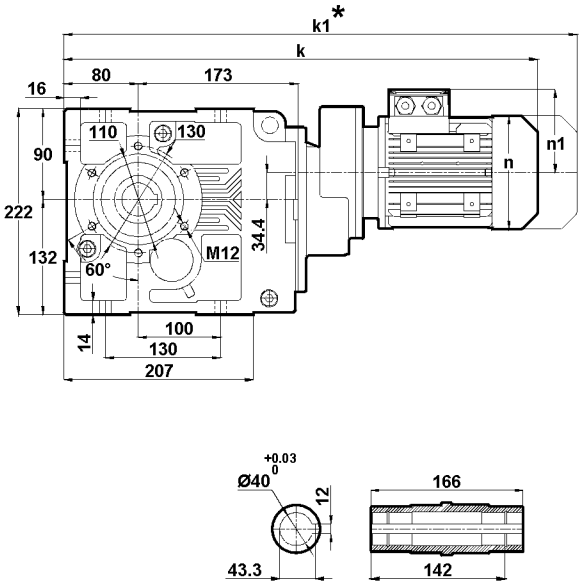
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



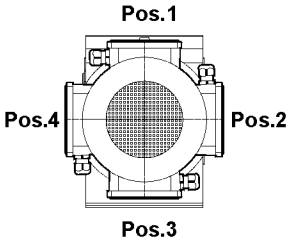
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR284.00



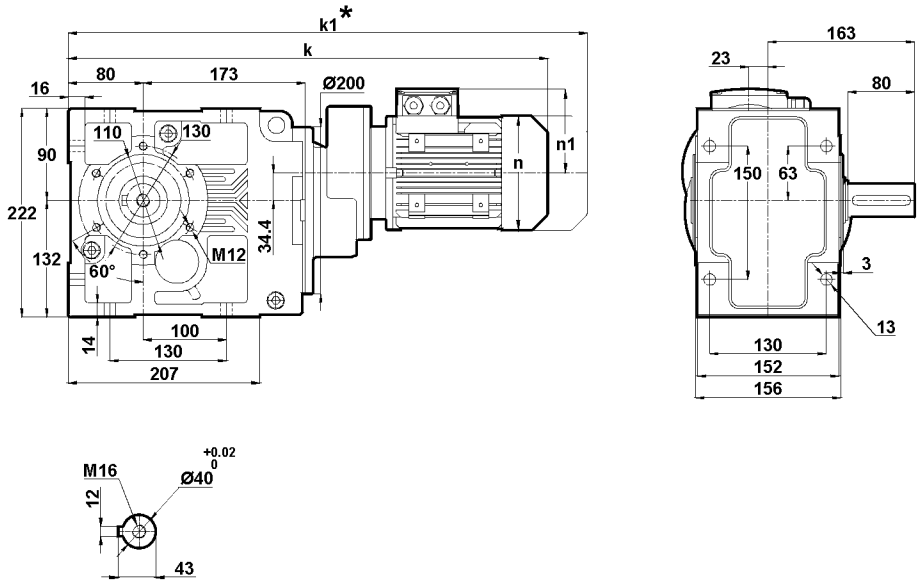
	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

KR284.01

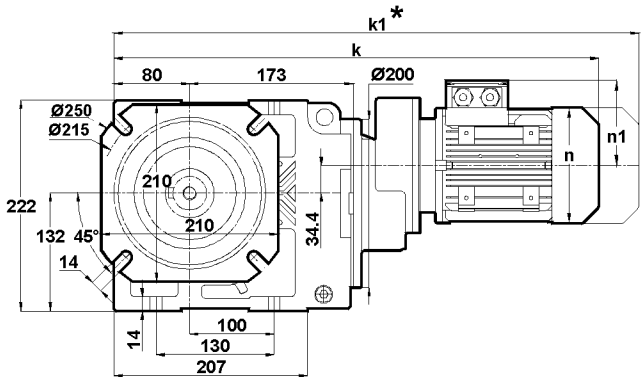


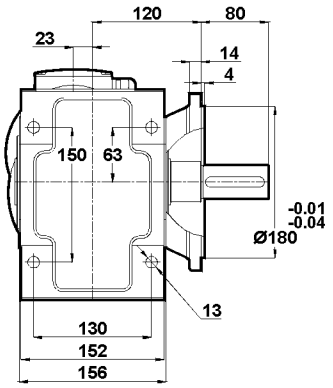
	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

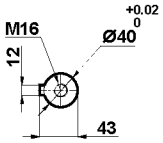
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR284.02

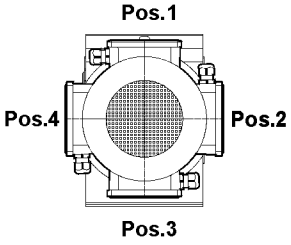






	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

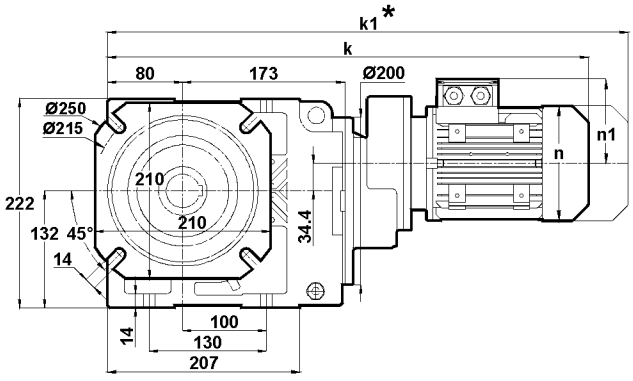
Terminal Box Positions
Klemmkasten Positionen

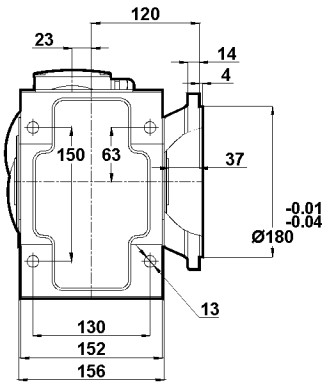


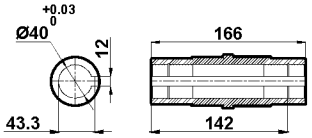
63-71-80
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR284.03







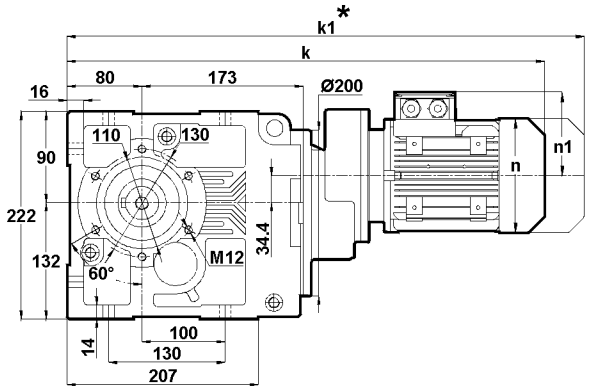
	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

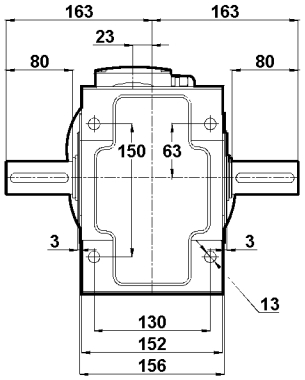
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

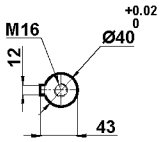
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR284.04

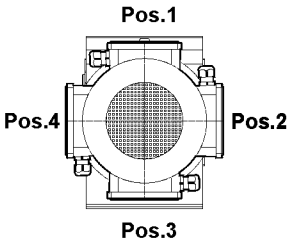






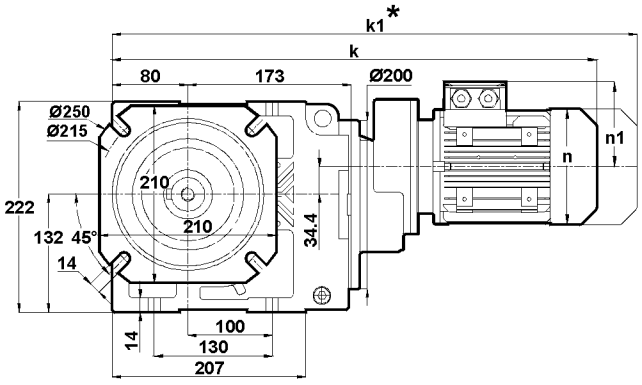
	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

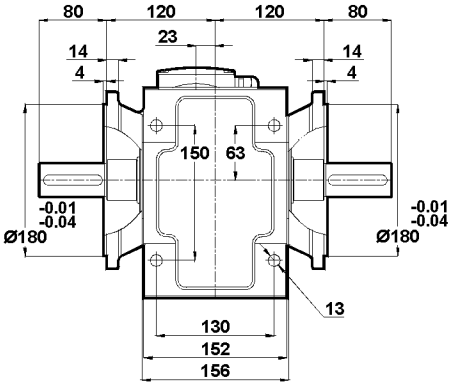
Terminal Box Positions
Klemmkasten Positionen

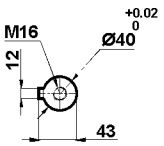


63-71-80
Type / Typ

KR284.05







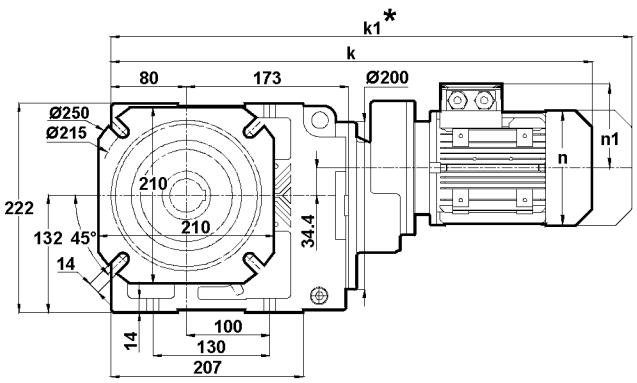
	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

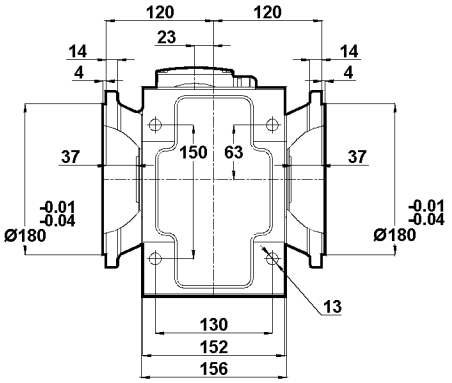
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

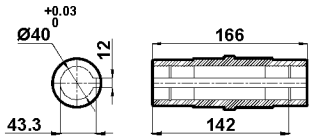
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR284.08

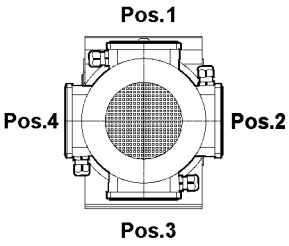






	63	71	80
k	517	544	578
k1	578	635	671
n	121	137	155
n1	97	112	123

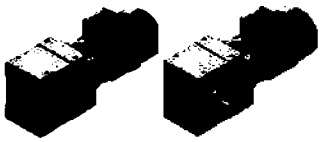
Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

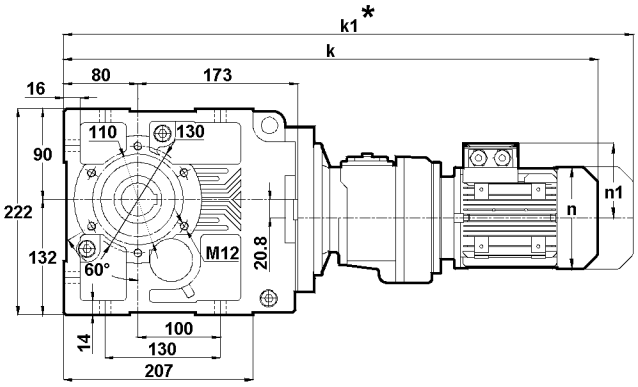
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

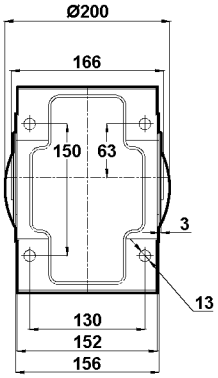
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

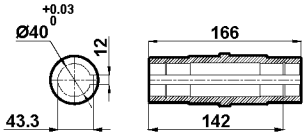


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR285.00
KR286.00

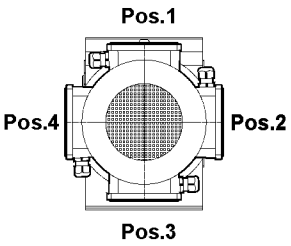






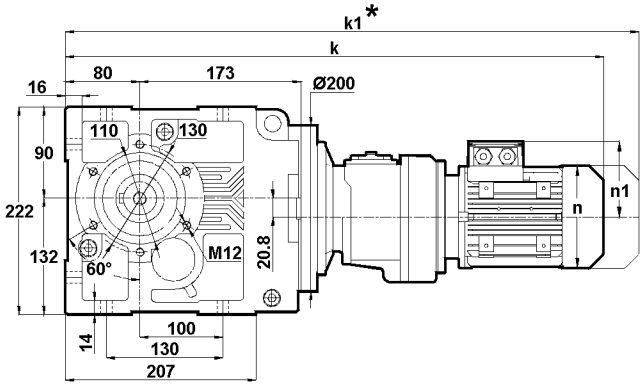
	63
k	621.5
k1	682.5
n	121
n1	97

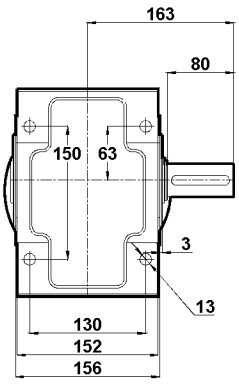
Terminal Box Positions
Klemmkasten Positionen

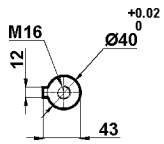


63
Type / Typ

KR285.01
KR286.01





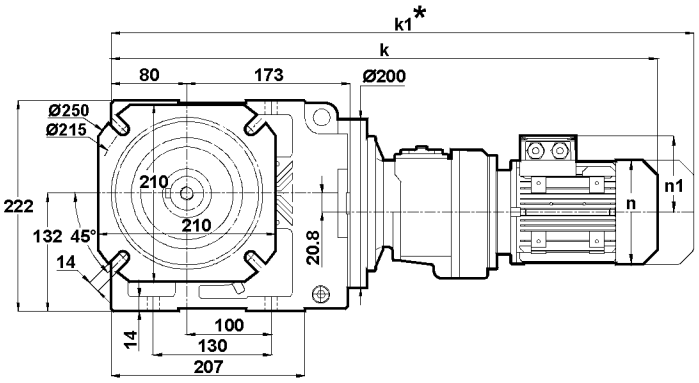


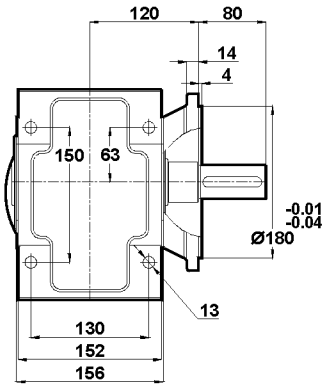
	63
k	621.5
k1	682.5
n	121
n1	97

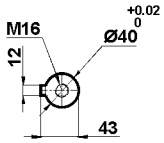
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

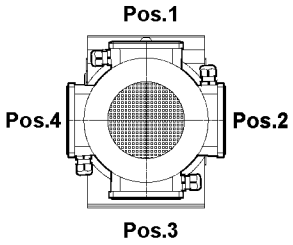
KR285.02
KR286.02







Terminal Box Positions
Klemmkasten Positionen

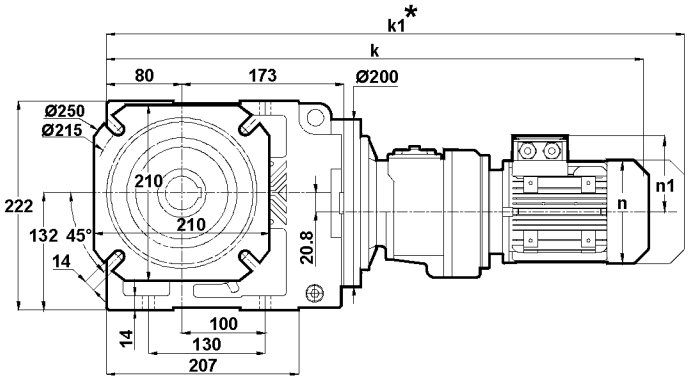


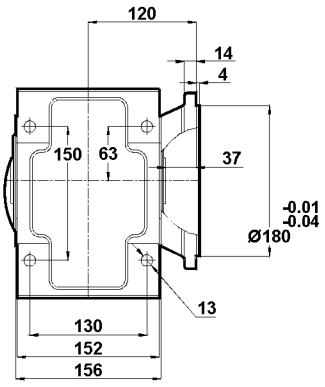
63
Type / Typ

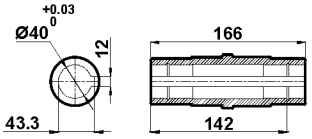
	63
k	621.5
k1	682.5
n	121
n1	97

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR285.03
KR286.03



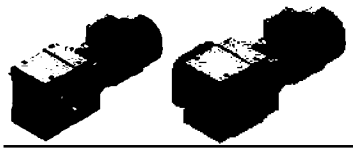




	63
k	621.5
k1	682.5
n	121
n1	97

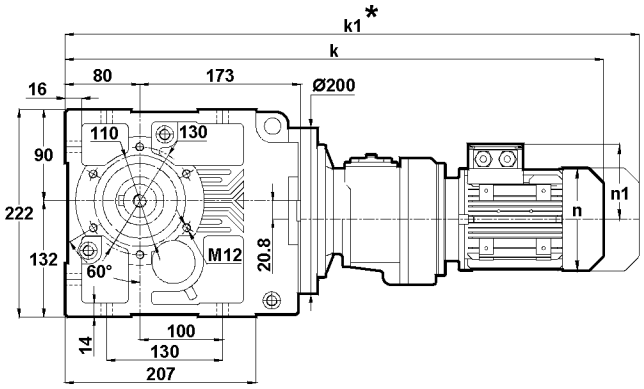
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

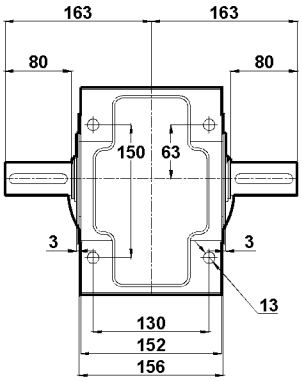
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

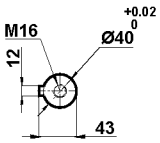


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

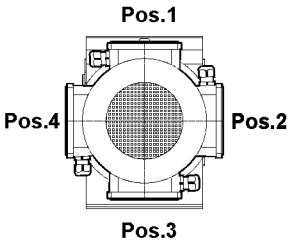
KR285.04
KR286.04







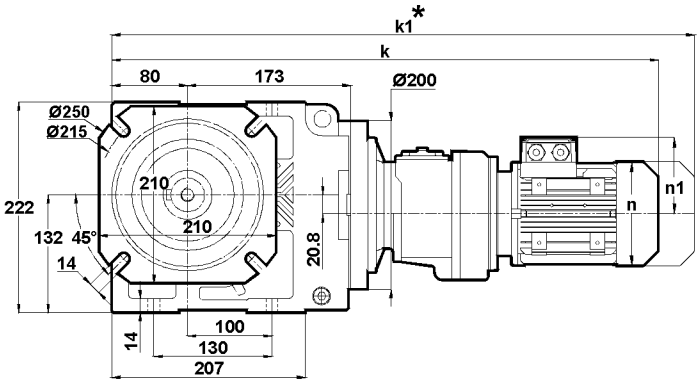
Terminal Box Positions
Klemmkasten Positionen

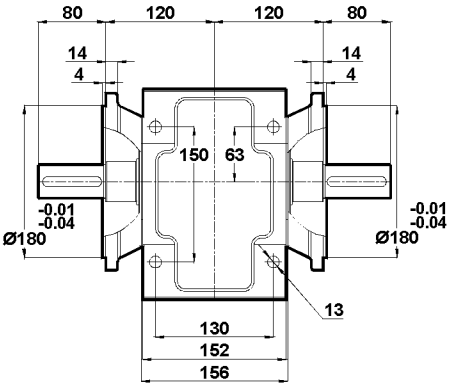


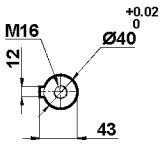
63
Type / Typ

	63
k	621.5
k1	682.5
n	121
n1	97

KR285.05
KR286.05







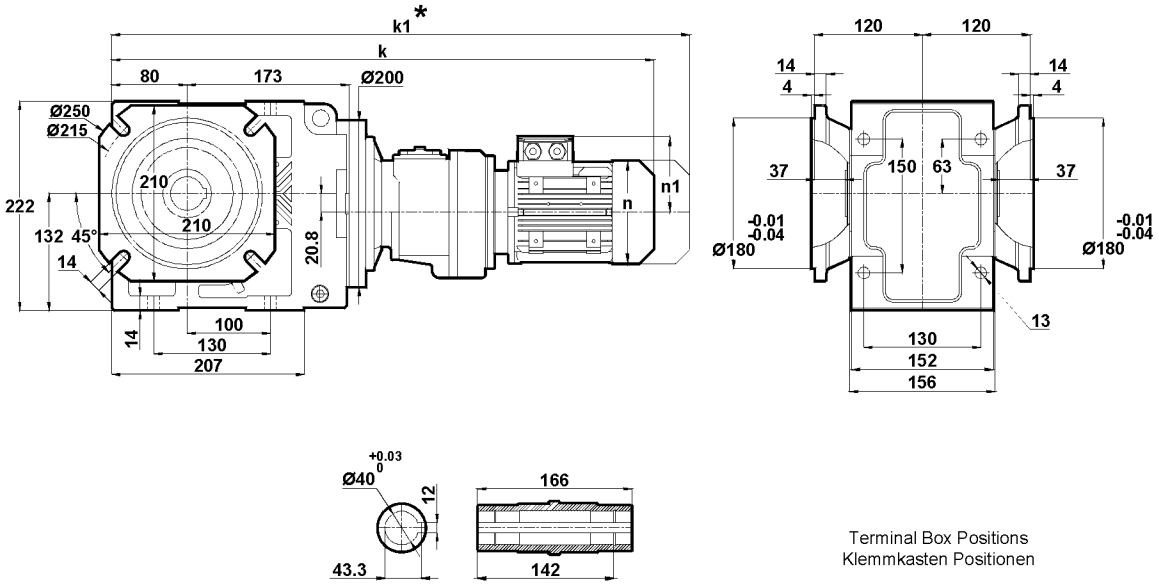
	63
k	621.5
k1	682.5
n	121
n1	97

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

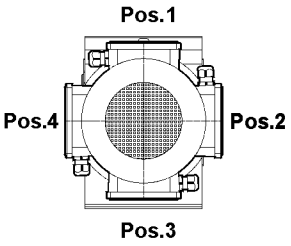
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR285.08
KR286.08



	63
k	621.5
k1	682.5
n	121
n1	97

Terminal Box Positions
Klemmkasten Positionen



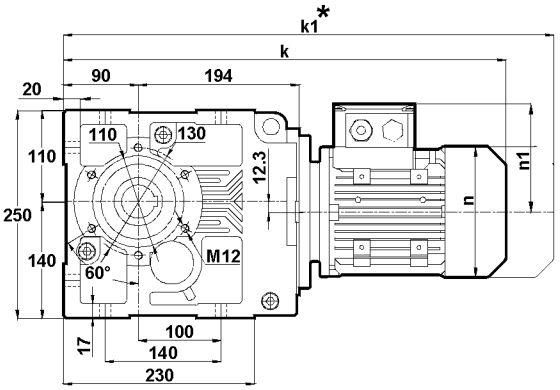
63
Type / Typ

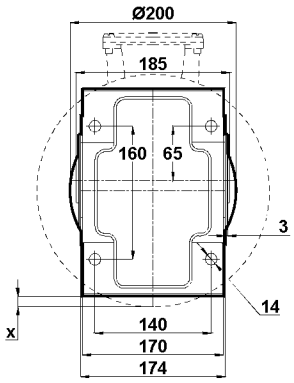
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

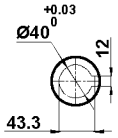
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

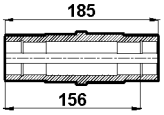
KR373.00



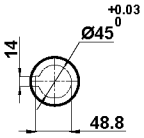


Std.



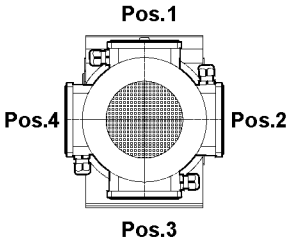


Ops.



x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

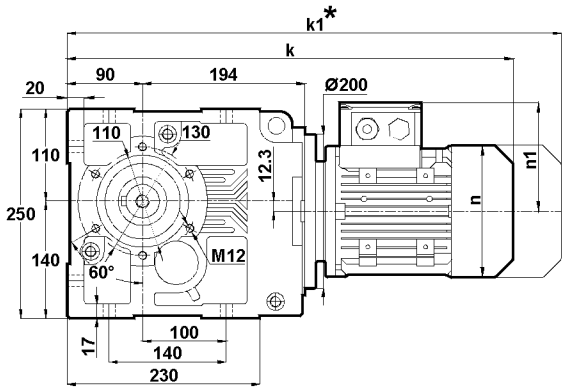
Terminal Box Positions
Klemmkasten Positionen

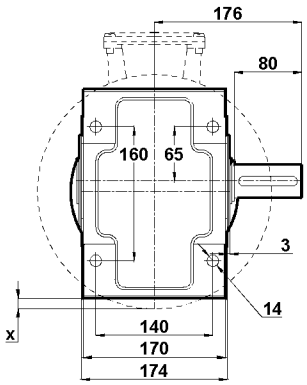


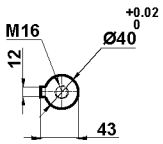
71-80-90-100-112-132
Type / Typ

	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

KR373.01







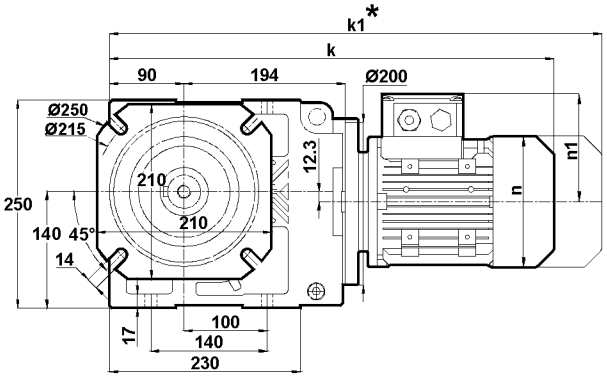
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

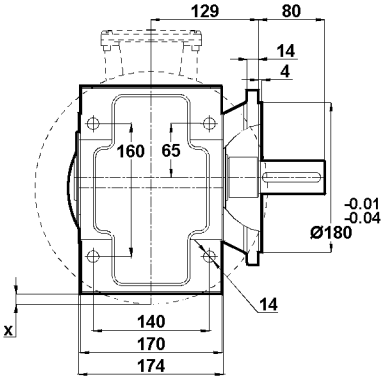
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

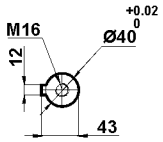
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR373.02

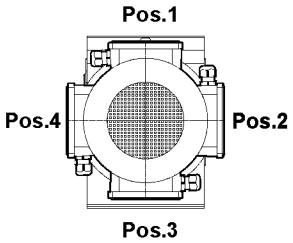




x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



Terminal Box Positions
Klemmkasten Positionen

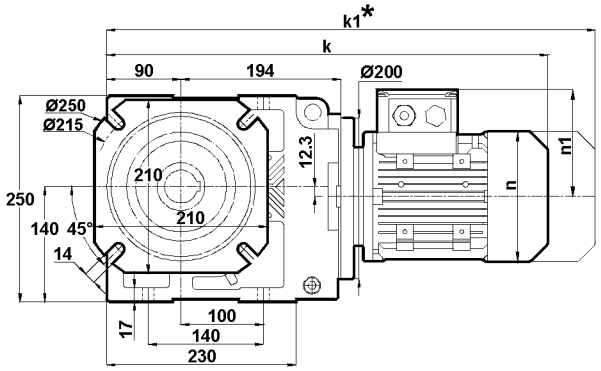


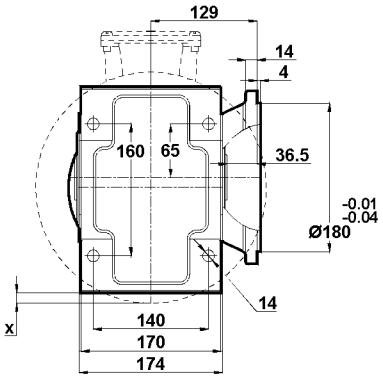
71-80-90-100-112-132
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

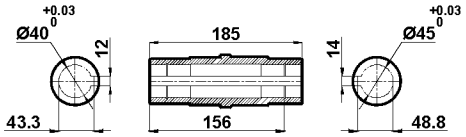
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

KR373.03





Std. **Ops.**

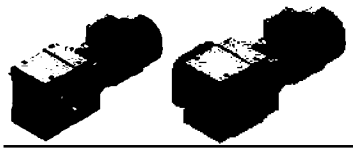


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

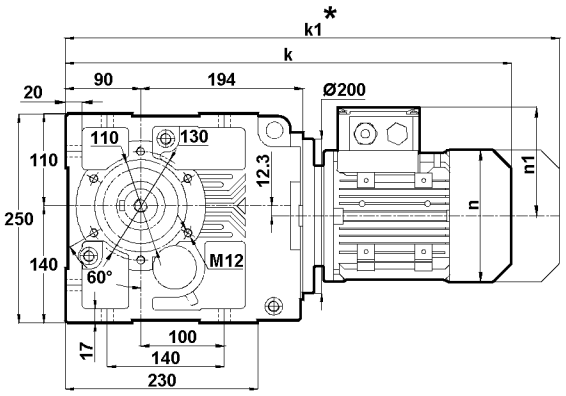
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

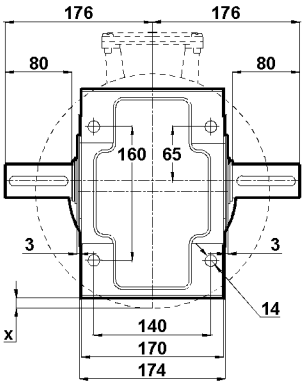


Dimension Pages
Abmessungsseiten

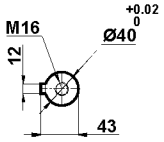
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR373.04



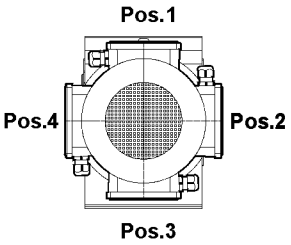


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



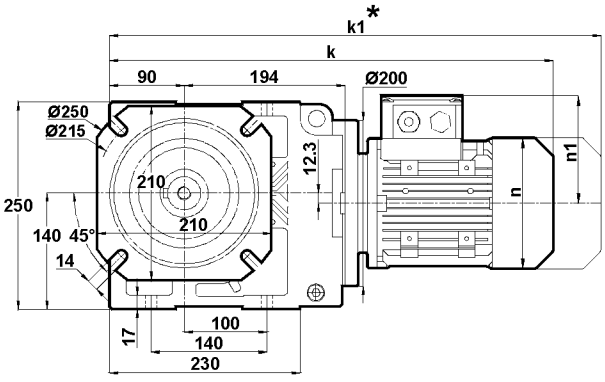
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

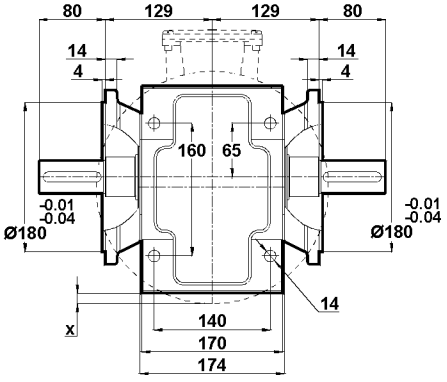
Terminal Box Positions
Klemmkasten Positionen



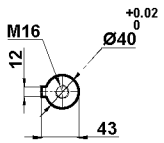
71-80-90-100-112-132
Type / Typ

KR373.05





x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



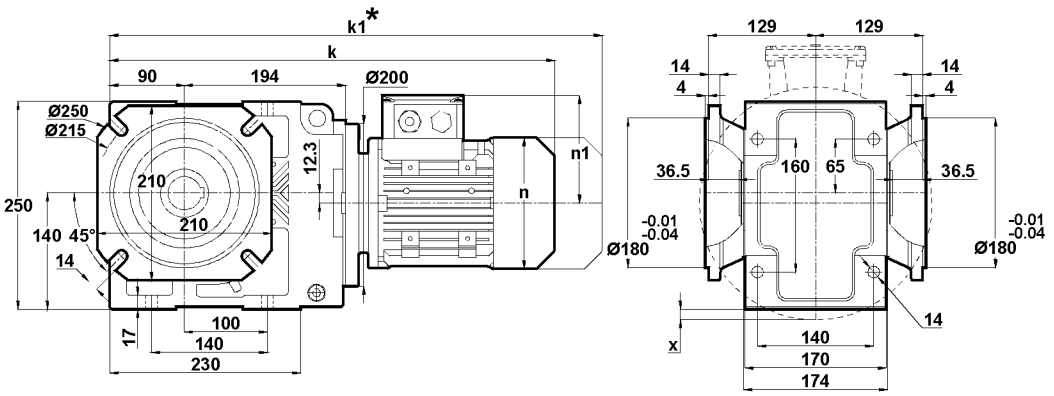
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

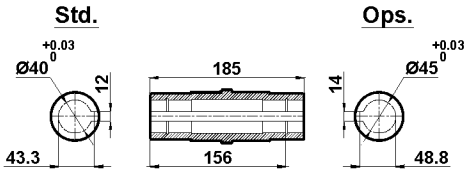
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR373.08

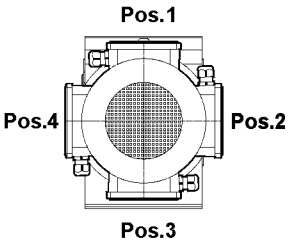




x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	727.5	727.5
k1	587	623	672.5	672.5	725.5	745.5	857.5	857.5
n	137	155	176	176	193	215	257	257
n1	112	123	132	132	149	161	181	181
x	-	-	-	-	-	-	0.8	0.8

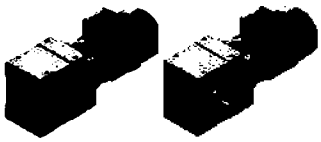
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112-132
Type / Typ

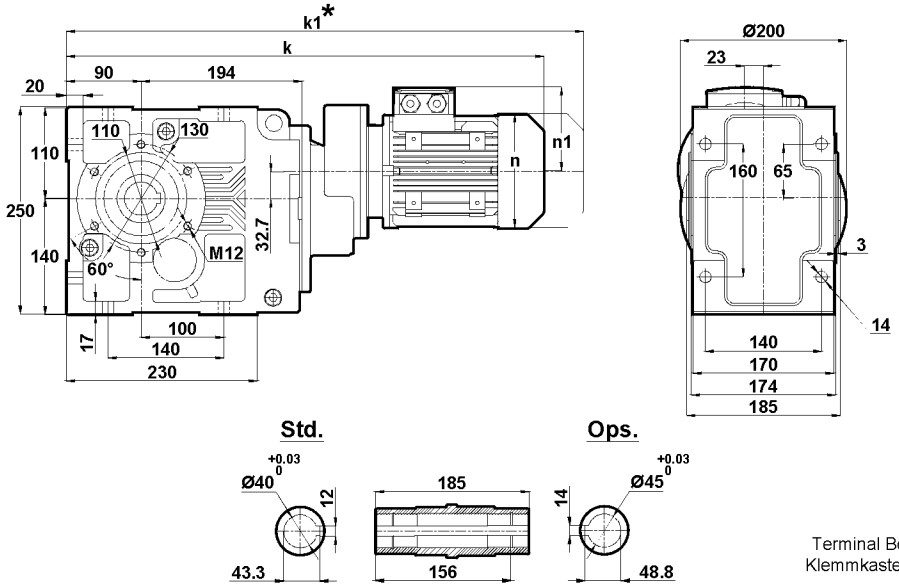
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



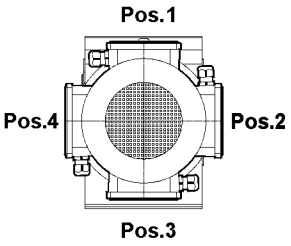
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR374.00



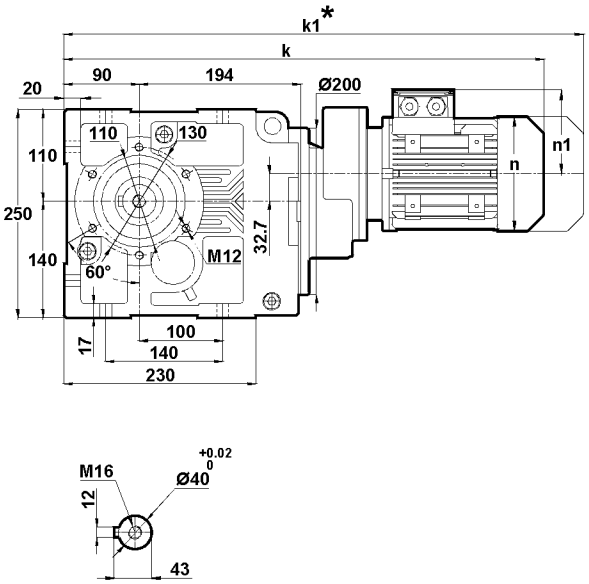
	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

KR374.01

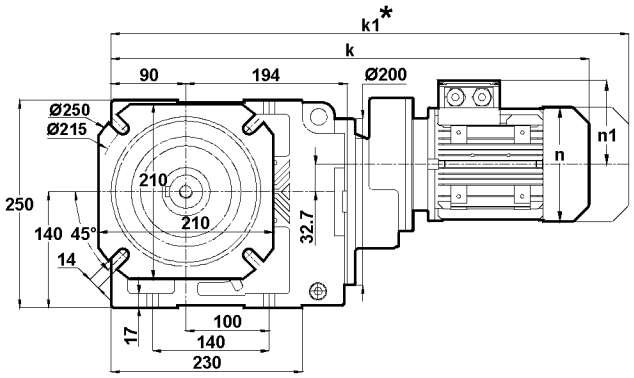


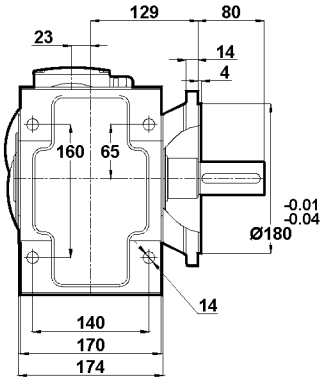
	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

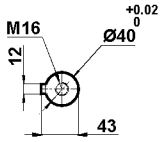
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

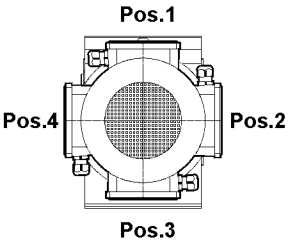
KR374.02







Terminal Box Positions
Klemmkasten Positionen

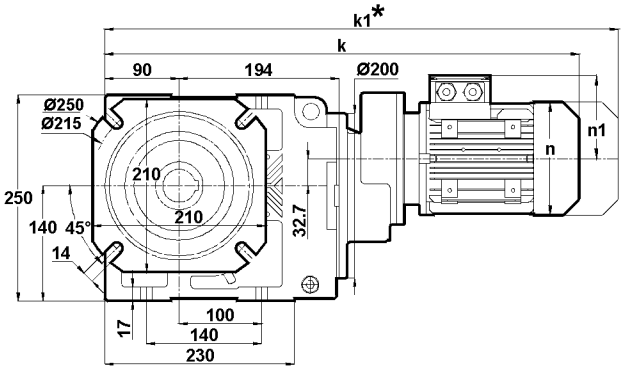


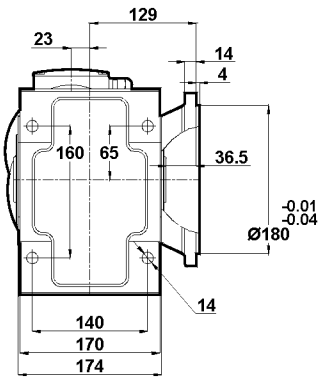
63-71-80
Type / Typ

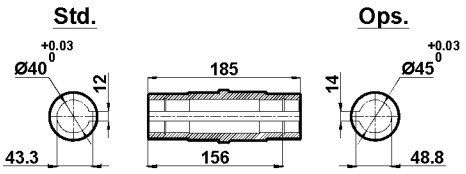
	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR374.03



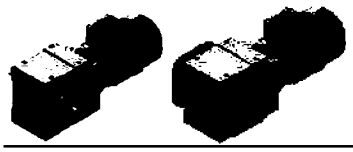




	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

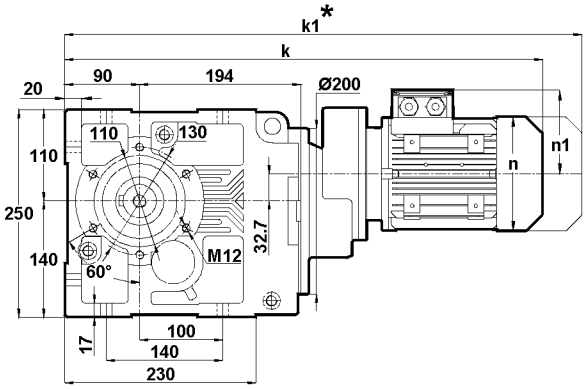
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

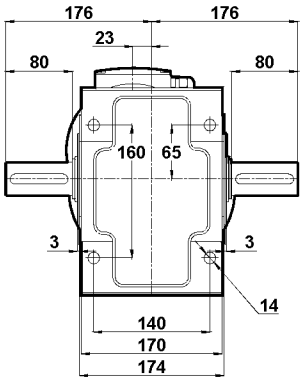
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

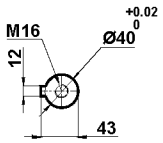


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR374.04

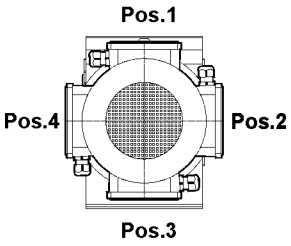






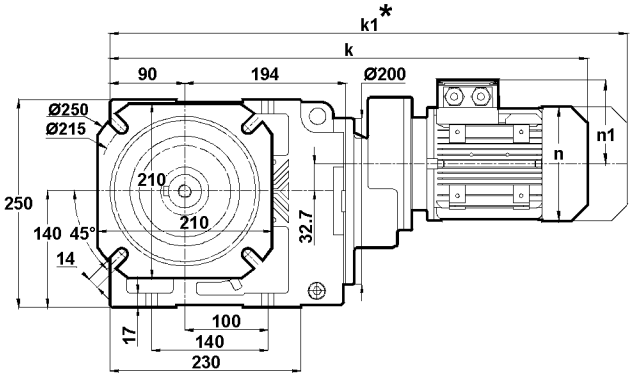
	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

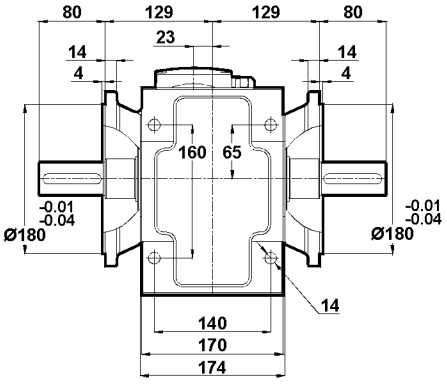
Terminal Box Positions
Klemmkasten Positionen

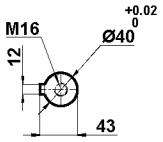


63-71-80
Type / Typ

KR374.05







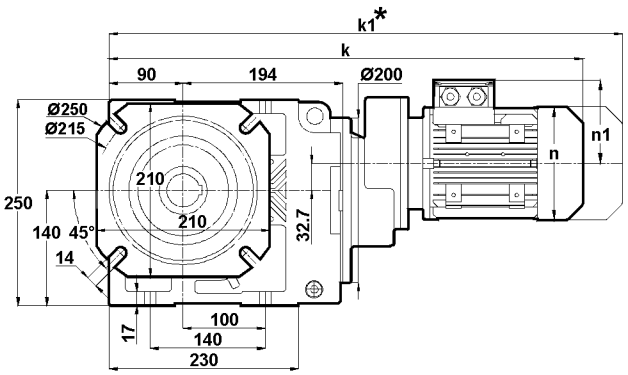
	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

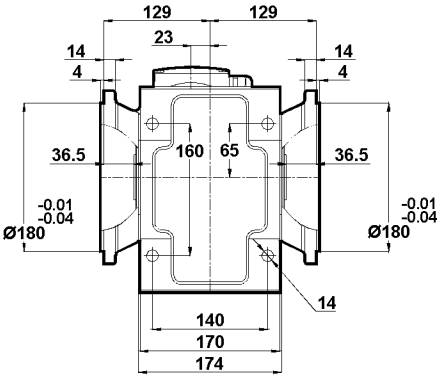
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

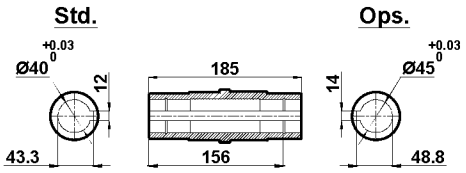
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR374.08

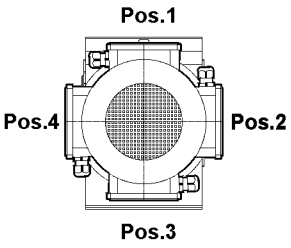






	63	71	80
k	548	575	609
k1	609	666	702
n	121	137	155
n1	97	112	123

Terminal Box Positions
Klemmkasten Positionen



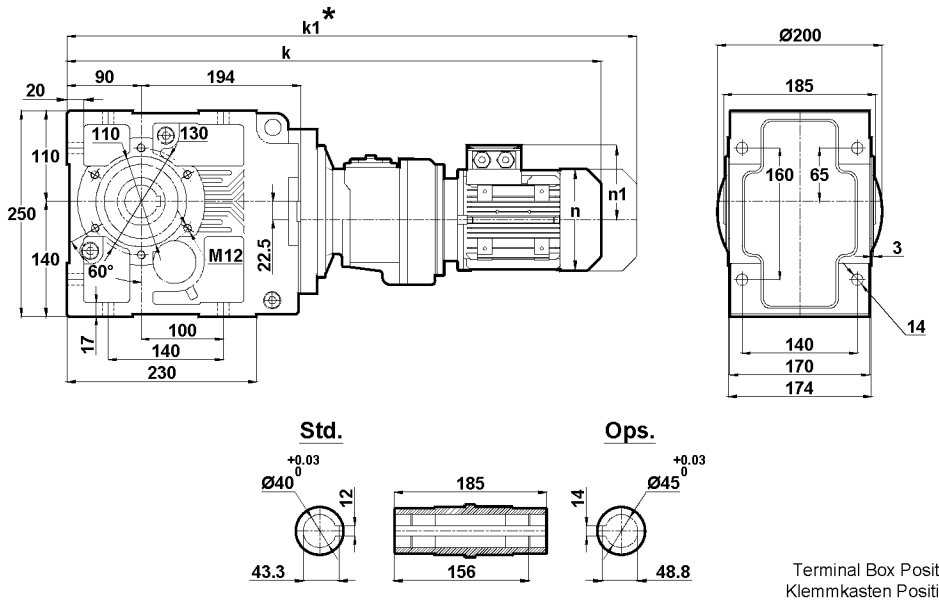
63-71-80
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

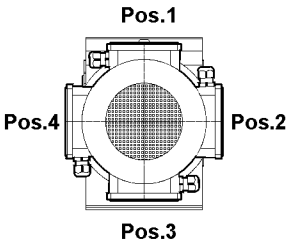
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR375.00
KR376.00



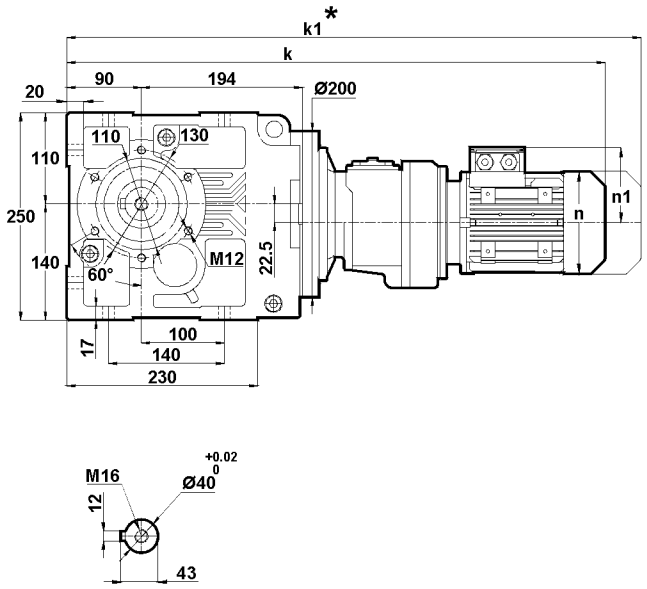
Terminal Box Positions
Klemmkasten Positionen



63-71
Type / Typ

	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

KR375.01
KR376.01

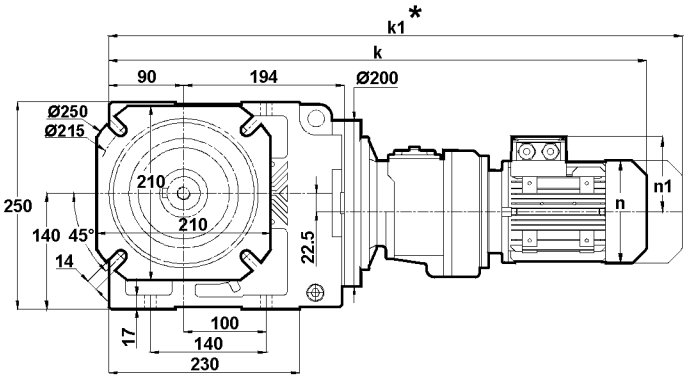


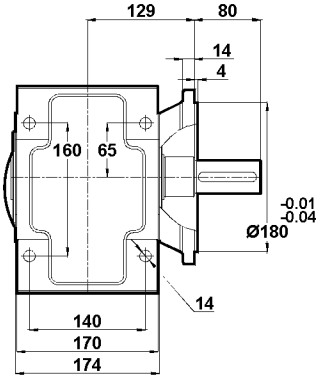
	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

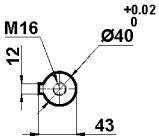
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR375.02
KR376.02

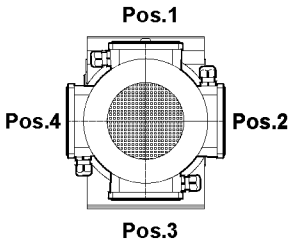






	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

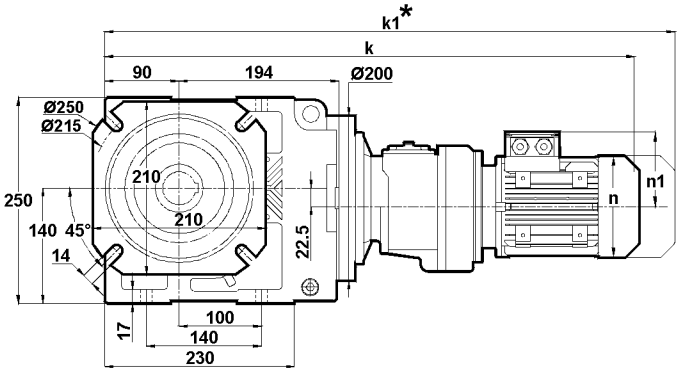
Terminal Box Positions
Klemmkasten Positionen

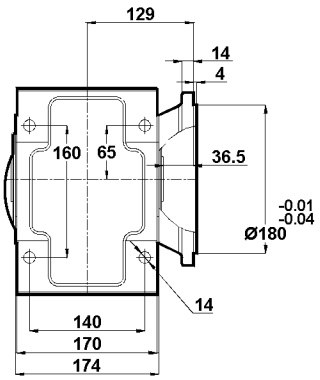


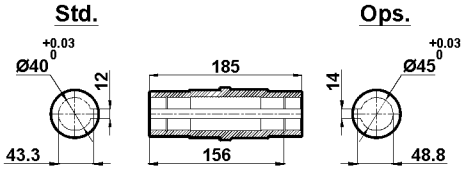
63-71
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR375.03
KR376.03







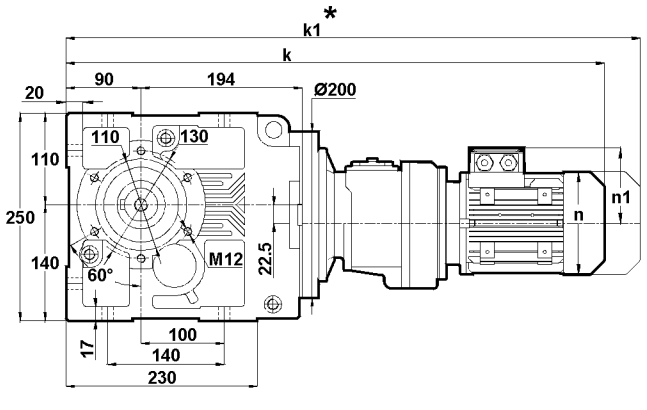
	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

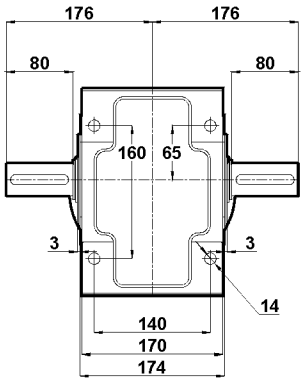
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

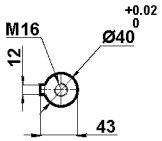
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR375.04
KR376.04

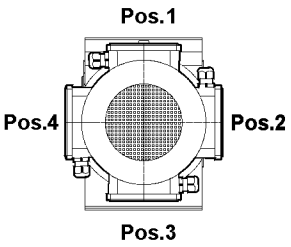






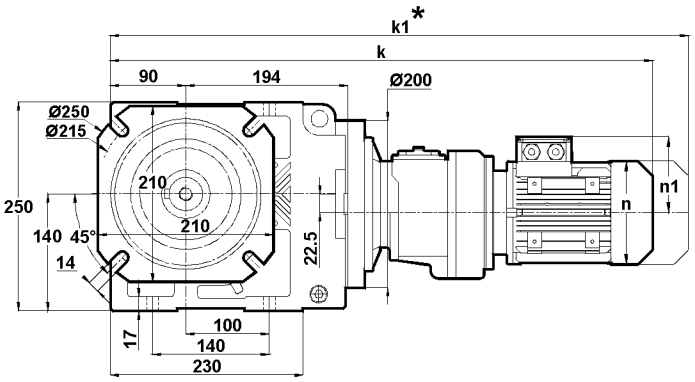
	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

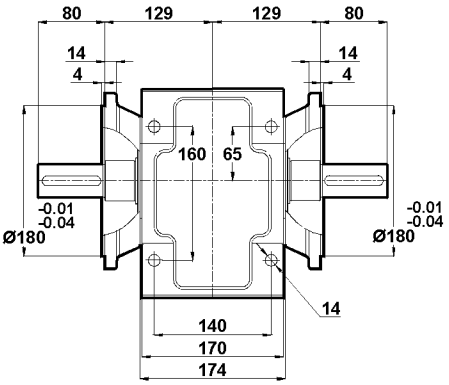
Terminal Box Positions
Klemmkasten Positionen

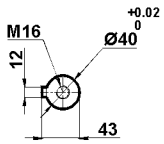


63-71
Type / Typ

KR375.05
KR376.05







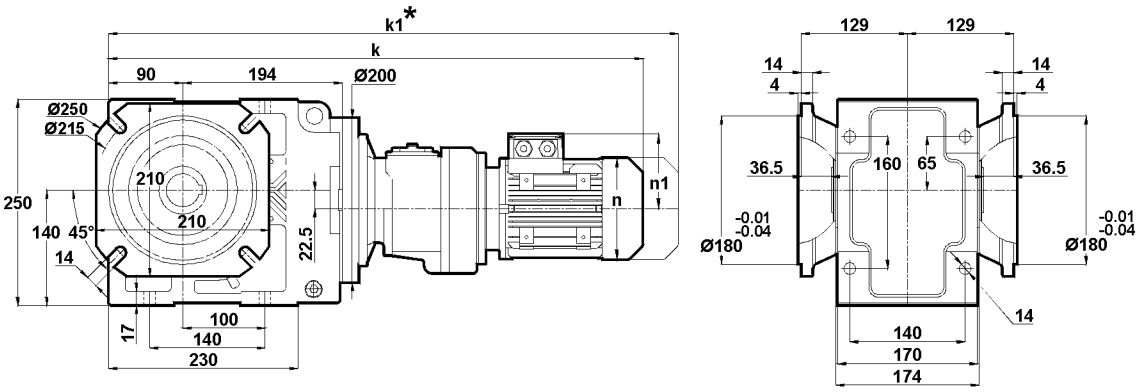
	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

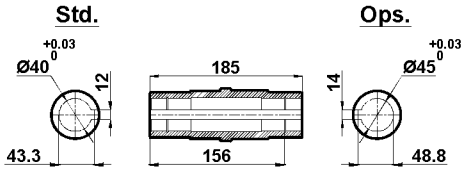
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

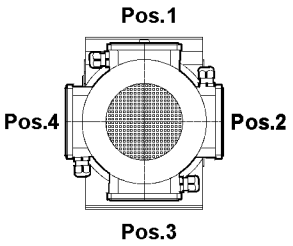
KR375.08
KR376.08





	63	71
k	652.5	678.5
k1	713.5	769.5
n	121	137
n1	97	112

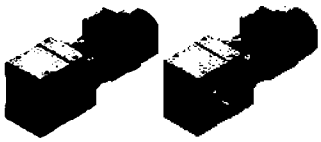
Terminal Box Positions
Klemmkasten Positionen



63-71
Type / Typ

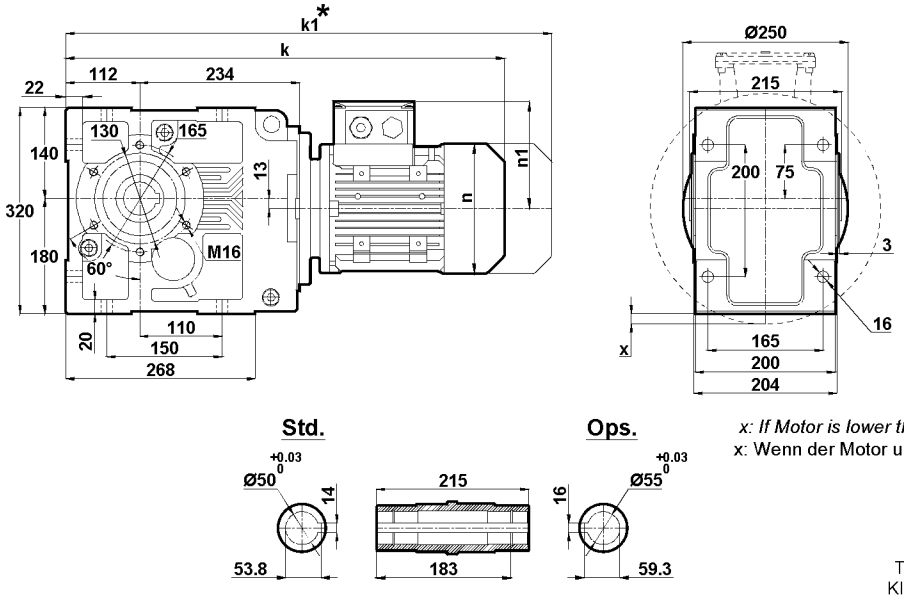
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

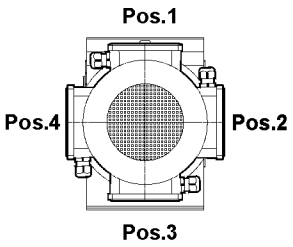
KR473.00



x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

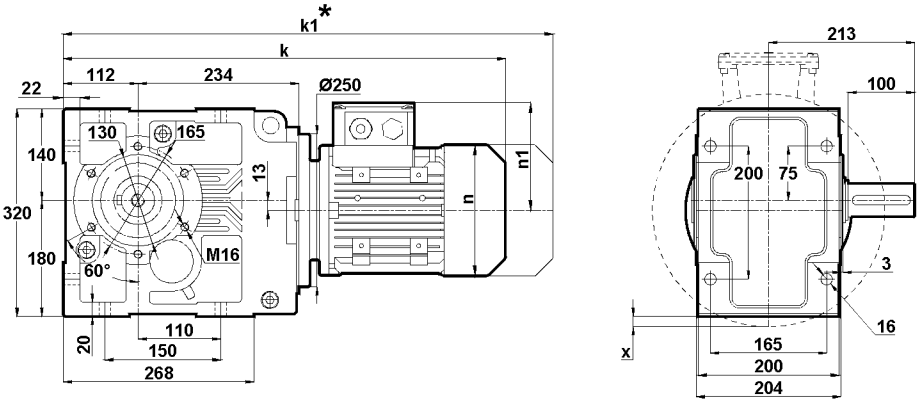
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

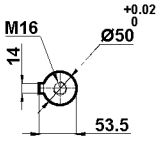
Terminal Box Positions
Klemmkasten Positionen



80-90-100-112-132-160-180
Type / Typ

KR473.01





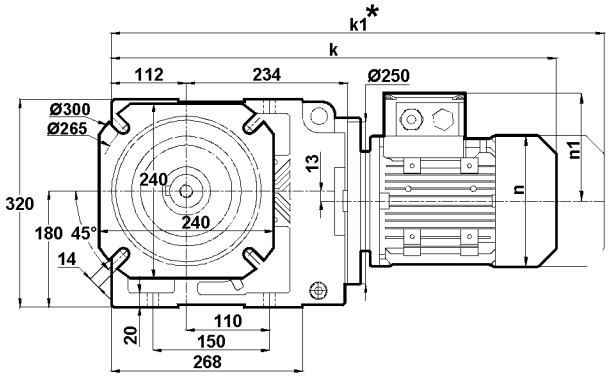
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

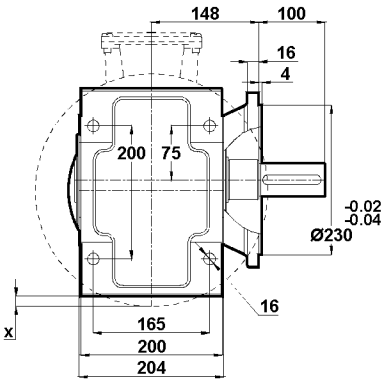
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

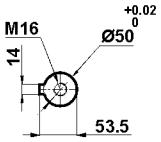
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR473.02



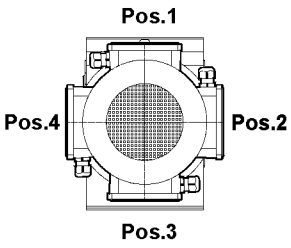


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

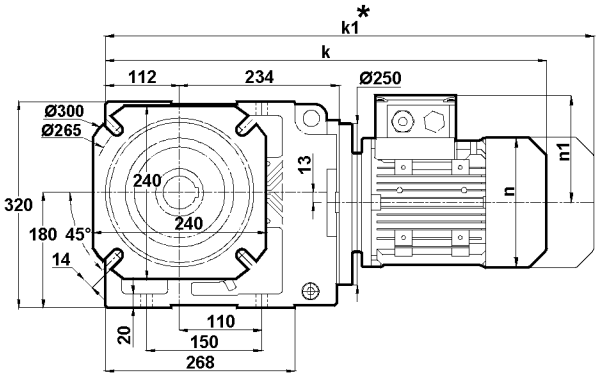
Terminal Box Positions
Klemmkasten Positionen

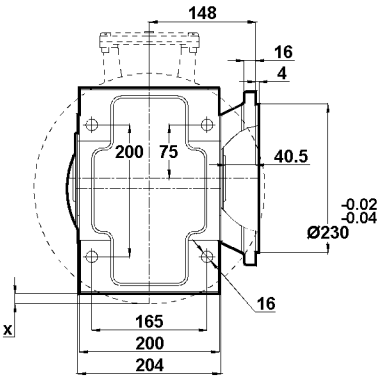


80-90-100-112-132-160-180
Type / Typ

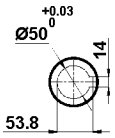
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

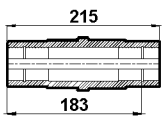
KR473.03



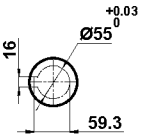


Std.





Ops.

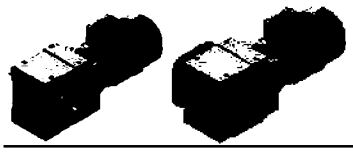


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

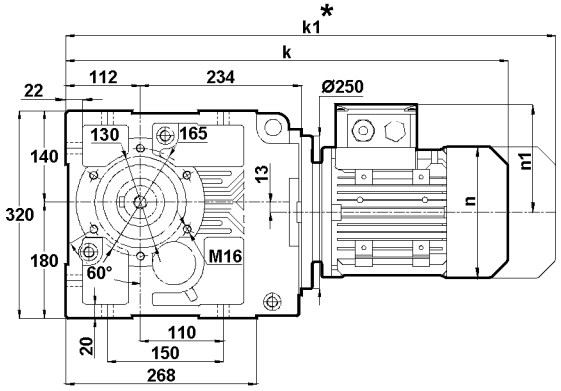
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

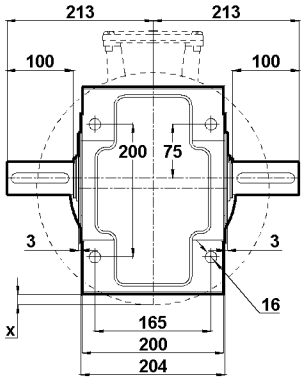


Dimension Pages
Abmessungsseiten

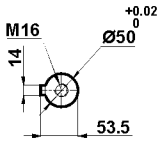
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR473.04



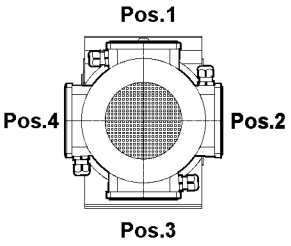


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



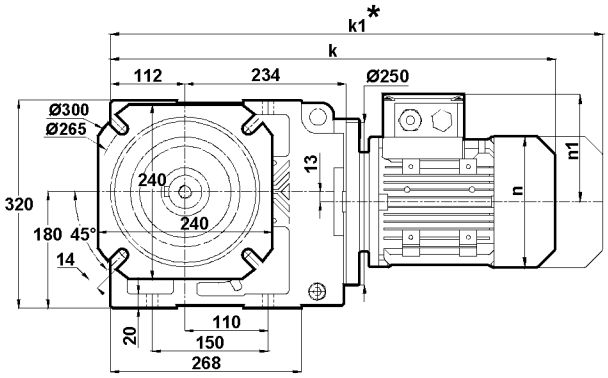
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

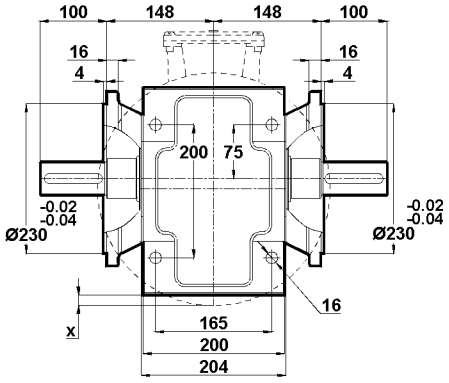
Terminal Box Positions
Klemmkasten Positionen



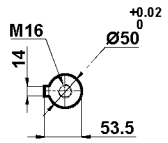
80-90-100-112-132-160-180
Type / Typ

KR473.05





x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



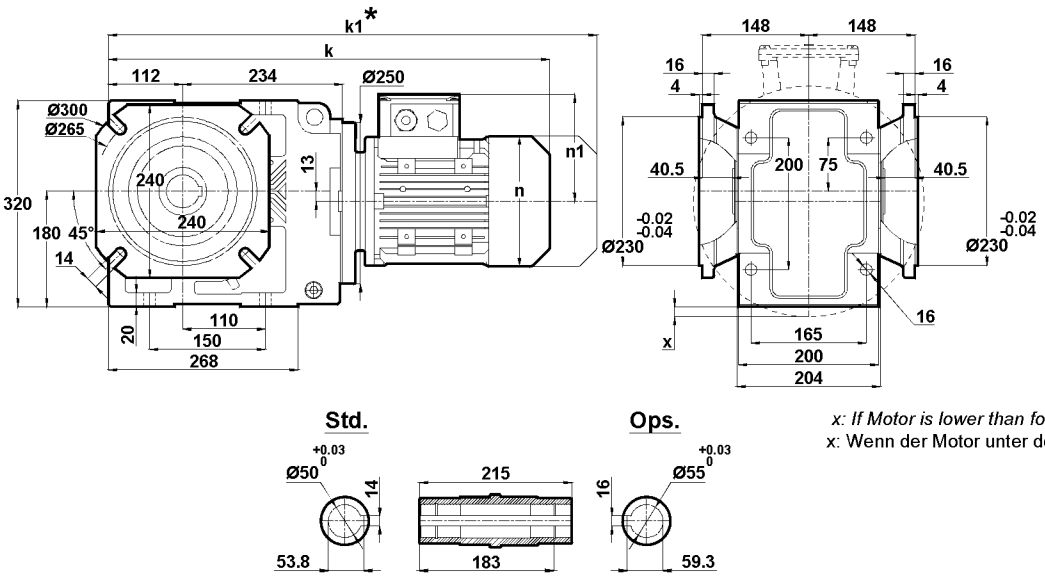
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

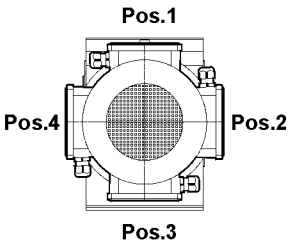
KR473.08



x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	586.5	625.5	625.5	670.5	694.5	779.5	779.5	875.5	875.5	947.5	947.5
k1	679.5	729	729	779	799	909.5	909.5	1023.5	1023.5	1106	1106
n	155	176	176	193	215	257	257	316	316	348	348
n1	123	132	132	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-	-	6.5	6.5

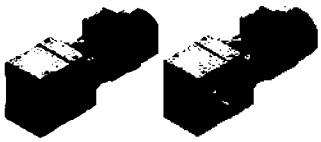
Terminal Box Positions
Klemmkasten Positionen



80-90-100-112-132-160-180
Type / Typ

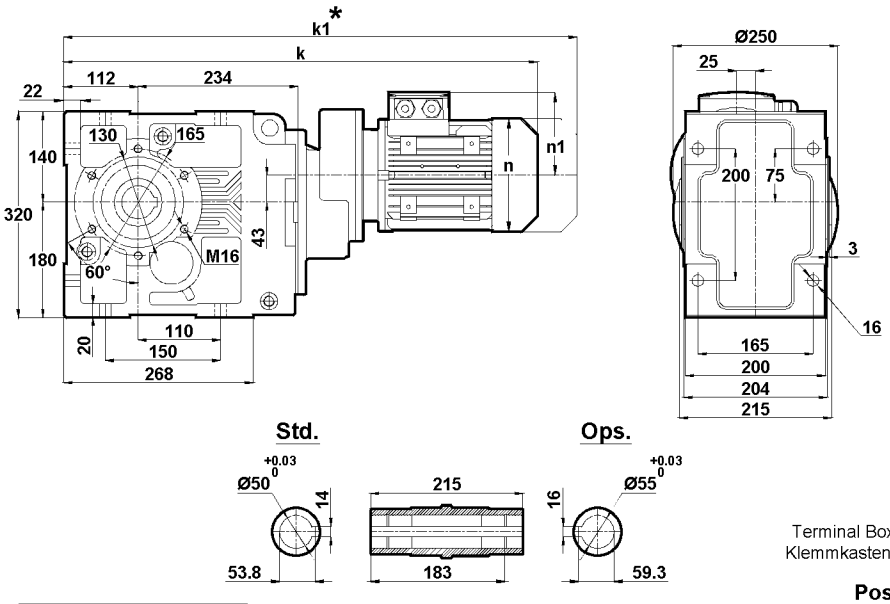
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



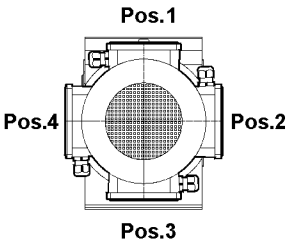
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR474.00



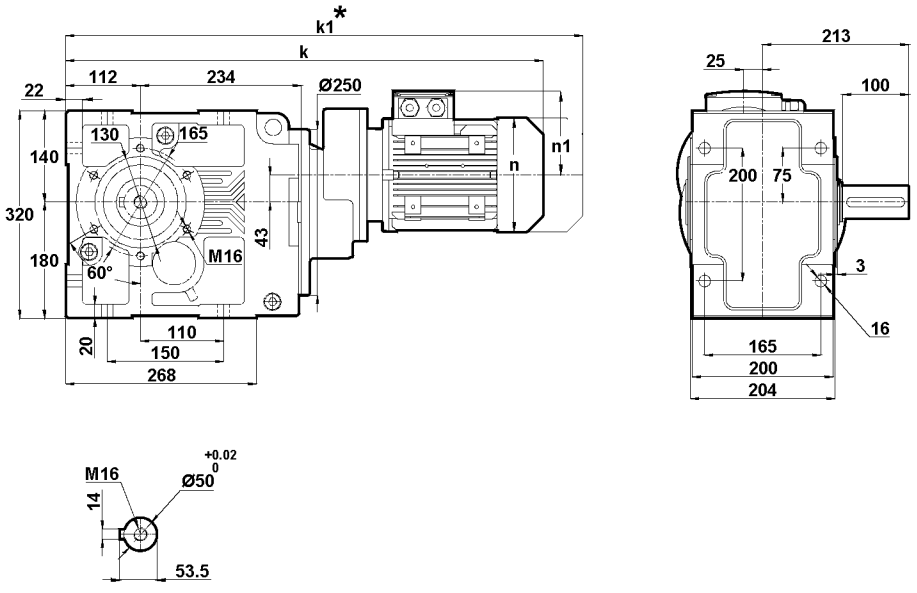
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

Terminal Box Positions
Klemmkasten Positionen



71-80
Type / Typ

KR474.01

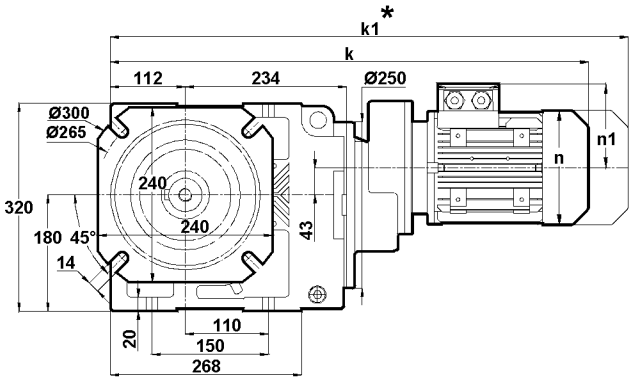


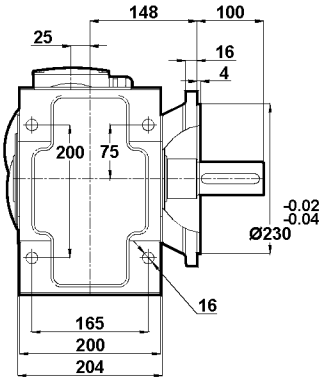
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

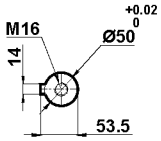
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR474.02

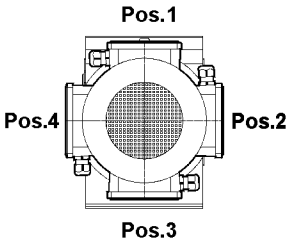






	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

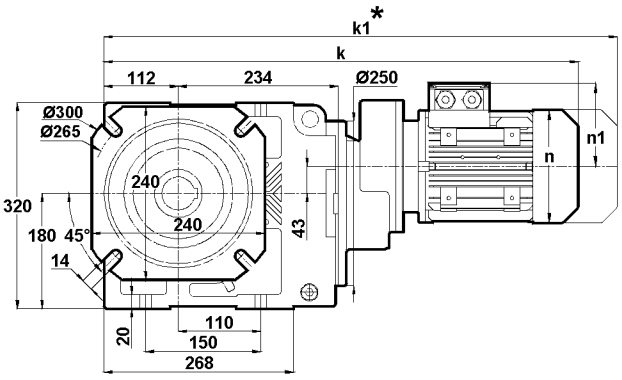
Terminal Box Positions
Klemmkasten Positionen

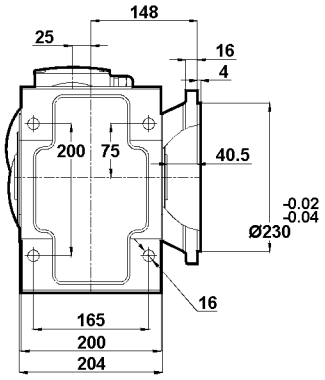


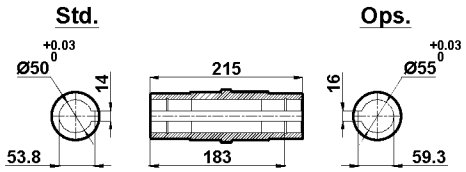
71-80
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR474.03



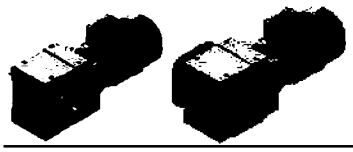




	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

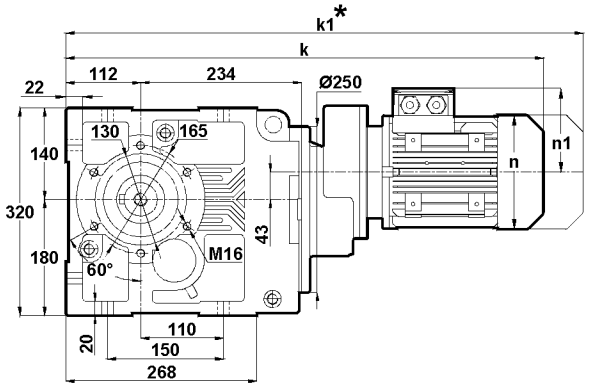
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

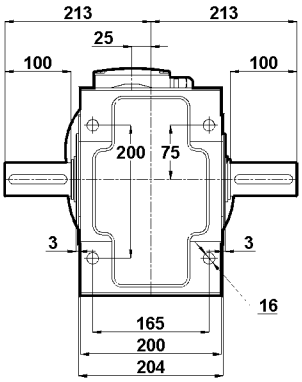
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

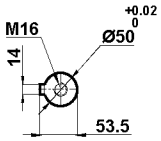


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR474.04

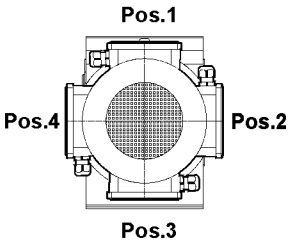






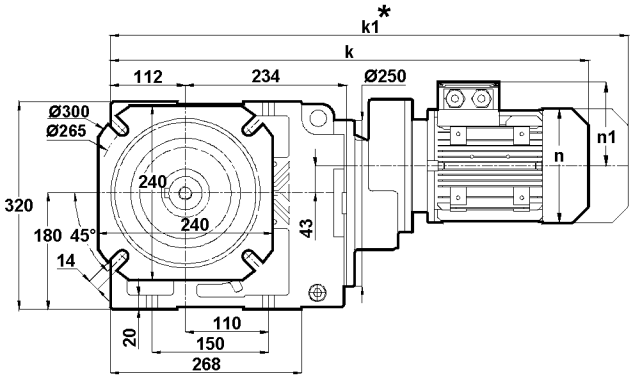
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

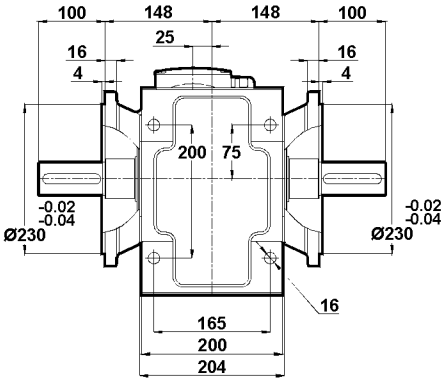
Terminal Box Positions
Klemmkasten Positionen

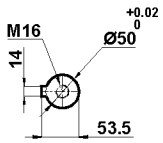


71-80
Type / Typ

KR474.05







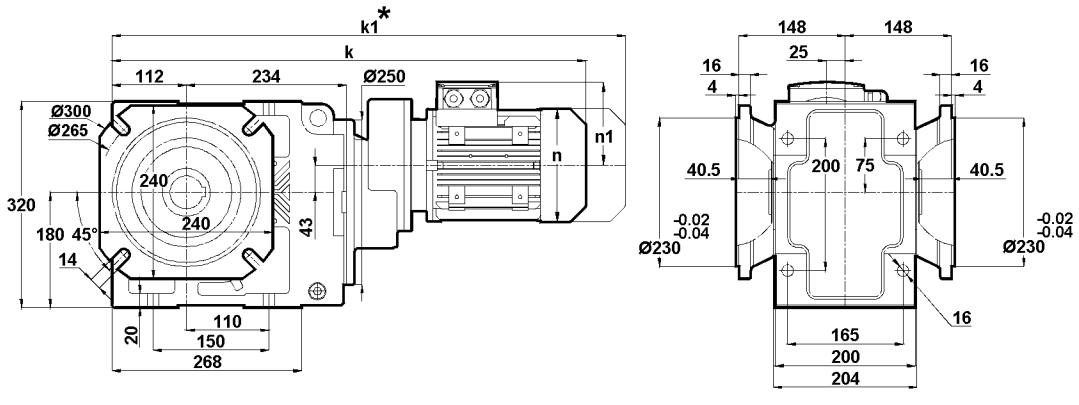
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

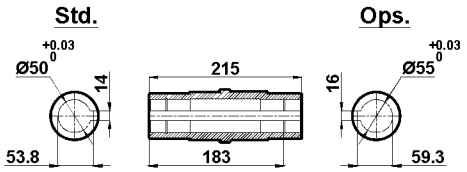
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

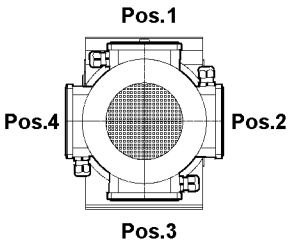
KR474.08





	71	80
k	646	680
k1	737	773
n	137	155
n1	112	123

Terminal Box Positions
Klemmkasten Positionen



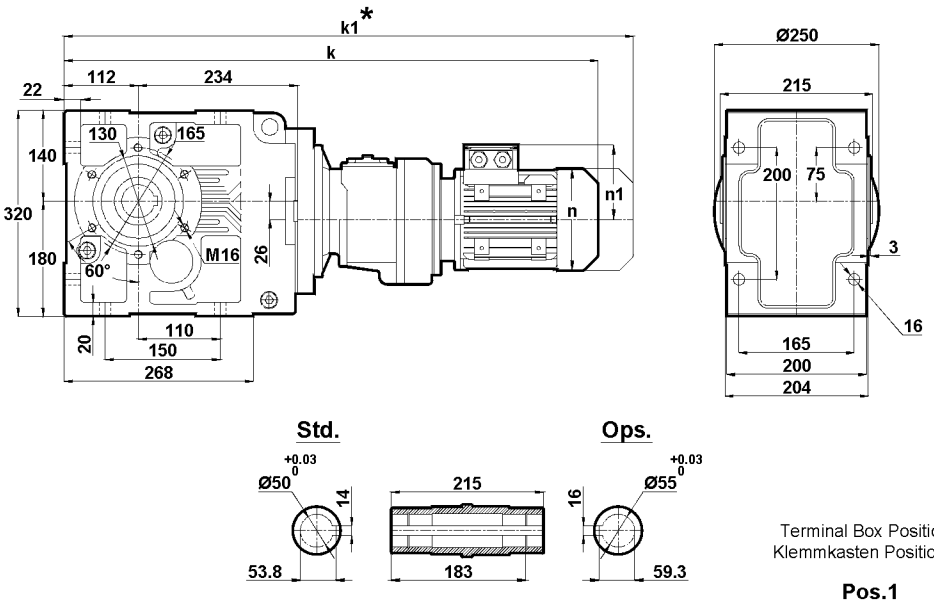
71-80
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

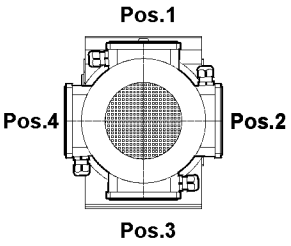
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR475.00
KR476.00



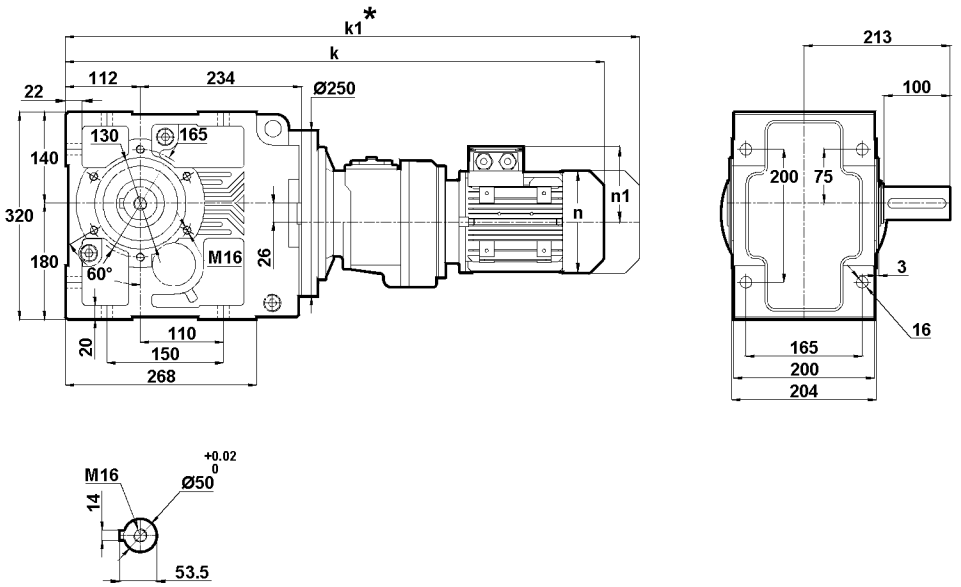
	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

Terminal Box Positions
Klemmkasten Positionen



63-71
Type / Typ

KR475.01
KR476.01

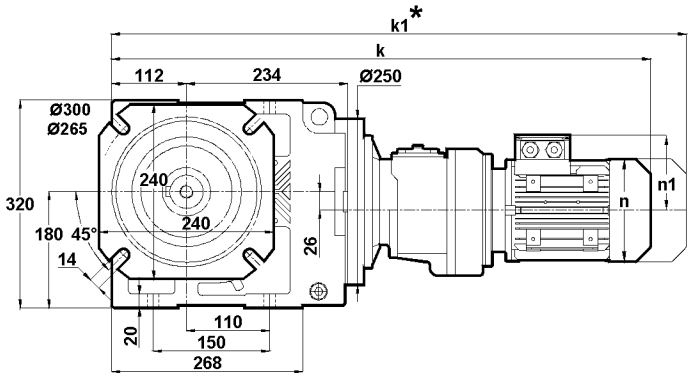


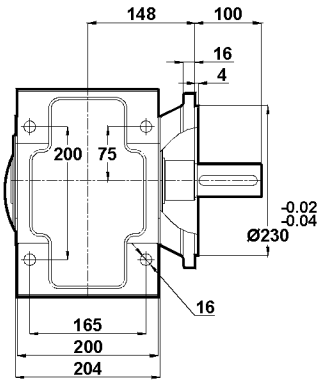
	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

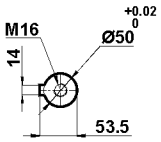
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR475.02
KR476.02

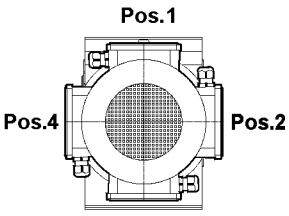






	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

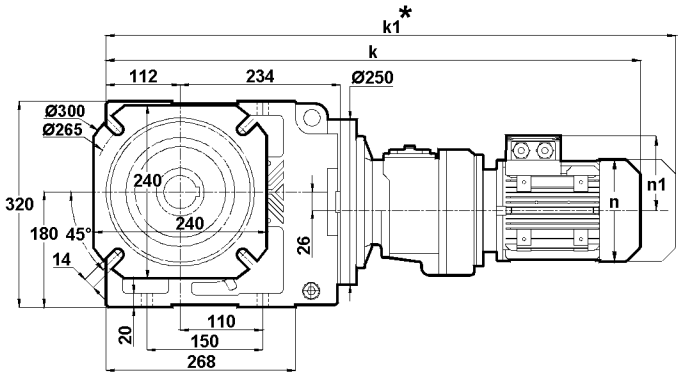
Terminal Box Positions
Klemmkasten Positionen

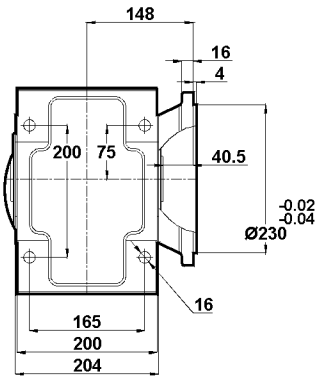


63-71
Type / Typ

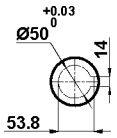
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

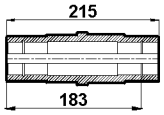
KR475.03
KR476.03



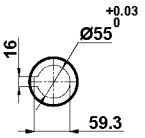


Std.





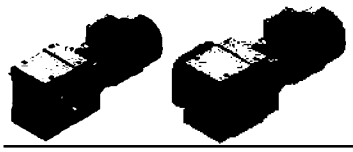
Ops.



	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

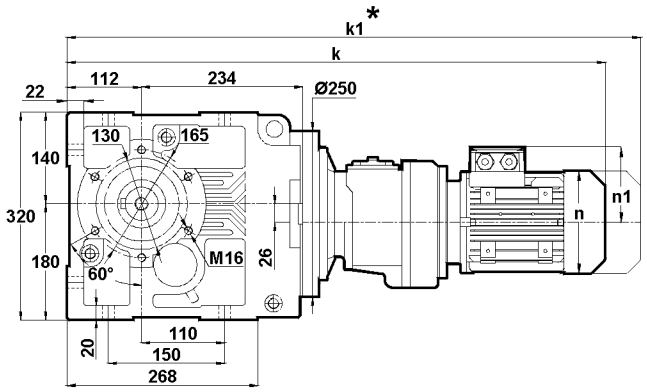
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

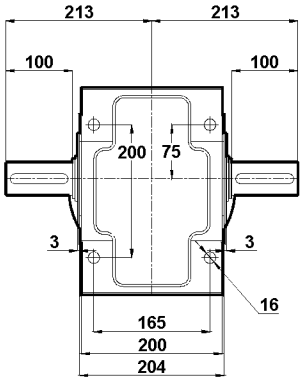
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

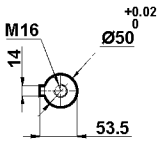


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR475.04
KR476.04

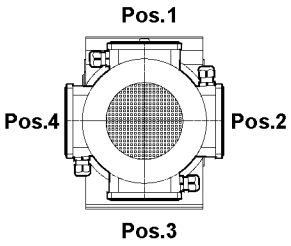






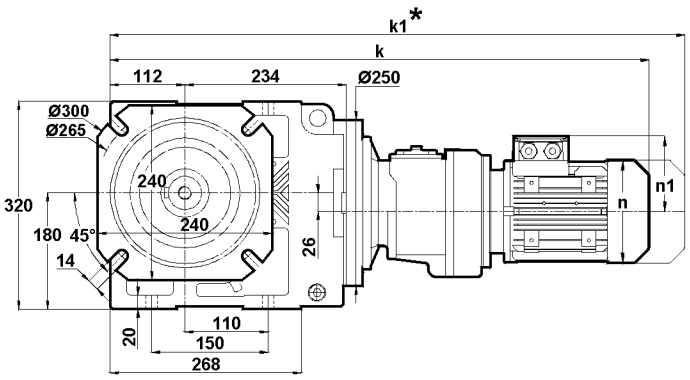
	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

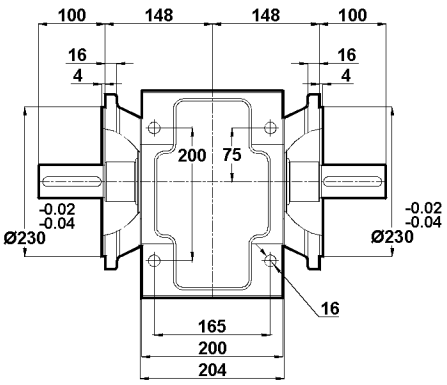
Terminal Box Positions
Klemmkasten Positionen

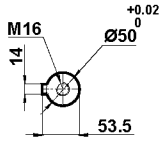


63-71
Type / Typ

KR475.05
KR476.05







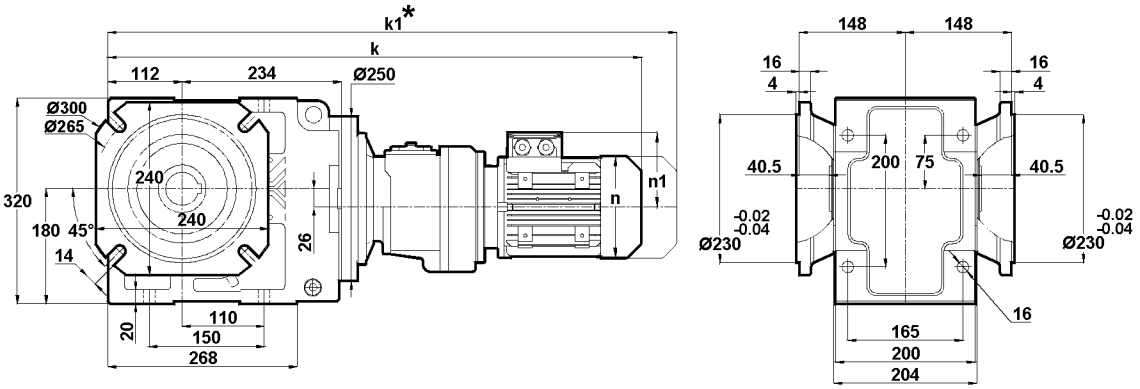
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

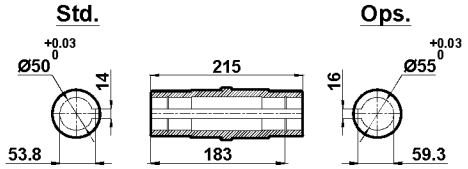
	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

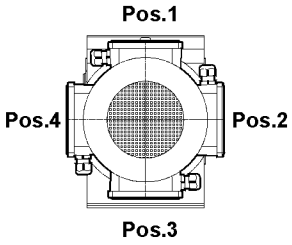
KR475.08
KR476.08





	63	71
k	749	776
k1	810	867
n	121	137
n1	97	112

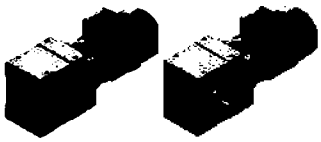
Terminal Box Positions
Klemmkasten Positionen



63-71
Type / Typ

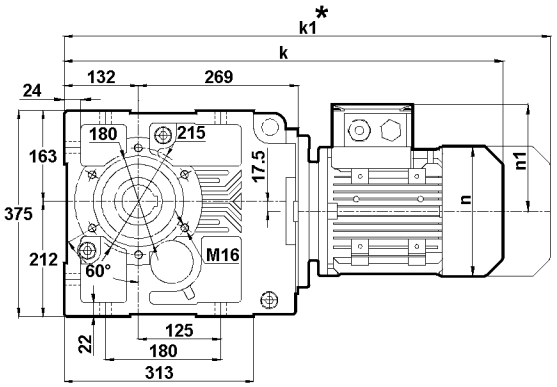
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

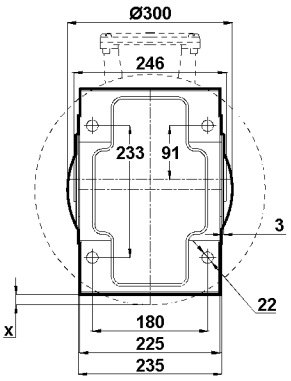
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



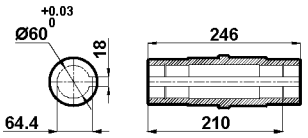
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR573.00

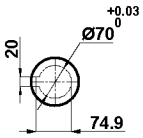




Std.



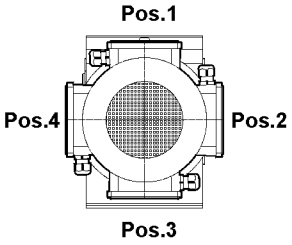
Ops.



x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

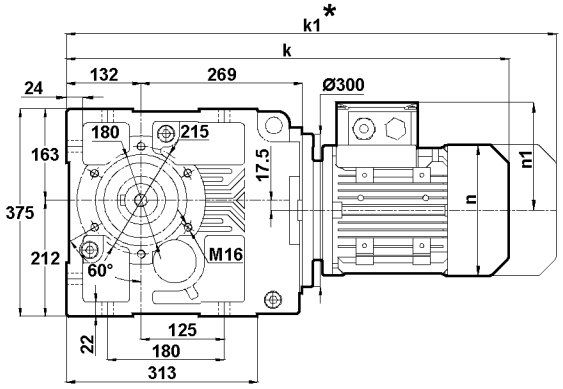
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

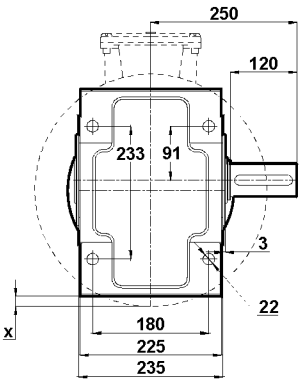
Terminal Box Positions
Klemmkasten Positionen

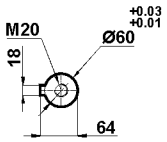


100-112-132-160-180
Type / Typ

KR573.01







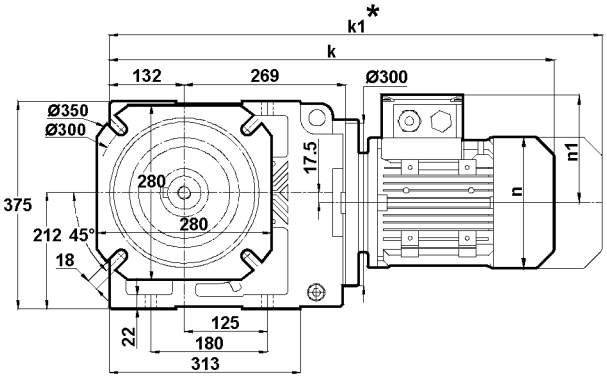
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

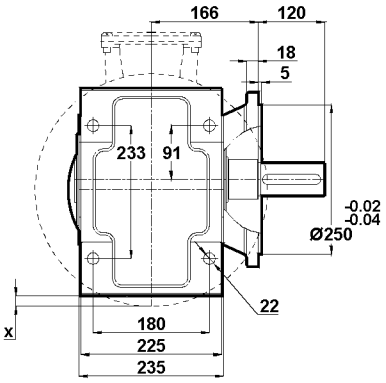
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

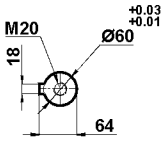
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR573.02



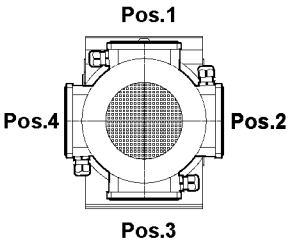




x: Motor Ayak bağlantı yüzeyinin altında ise
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

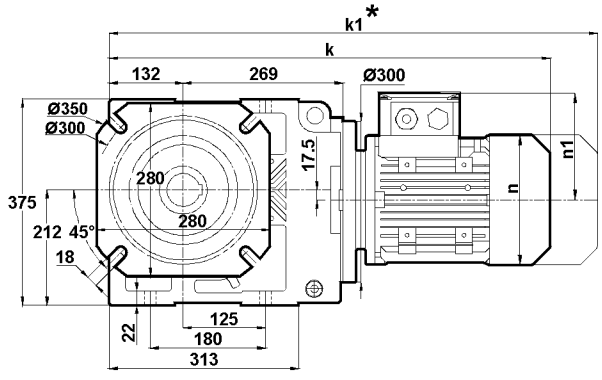
Terminal Box Positions
Klemmkasten Positionen

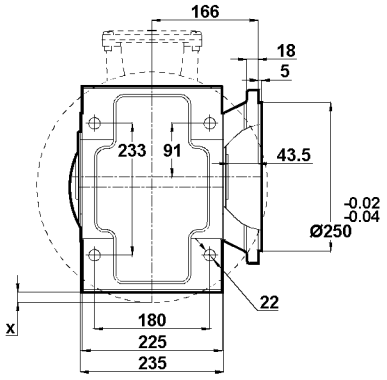


100-112-132-160-180
Type / Typ

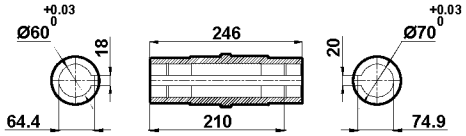
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR573.03





Std. **Ops.**

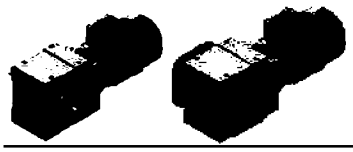


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

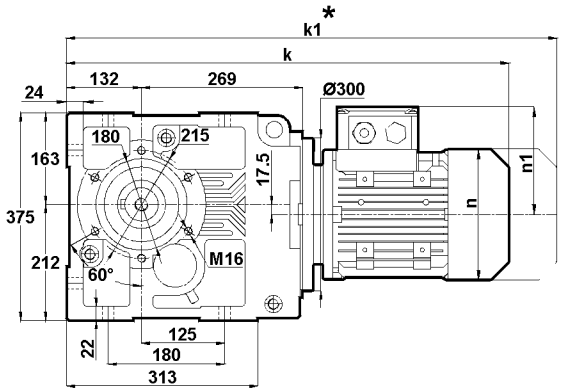
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

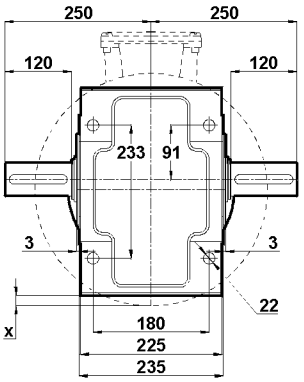
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



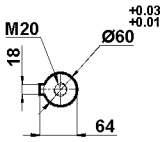
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR573.04



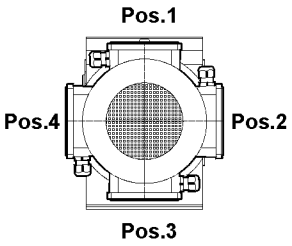


x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



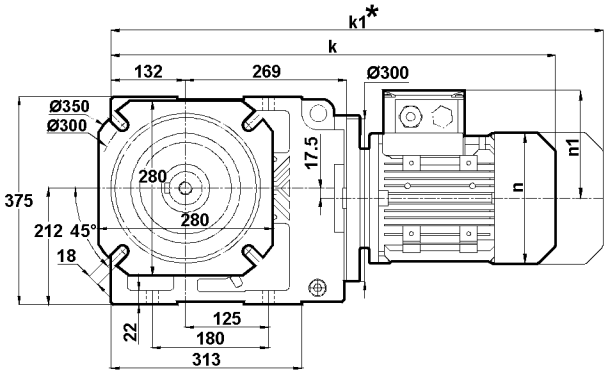
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

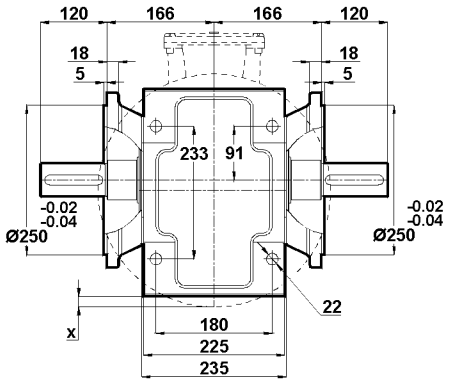
Terminal Box Positions
Klemmkasten Positionen

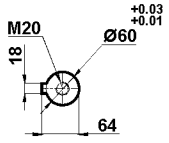


100-112-132-160-180
Type / Typ

KR573.05







x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

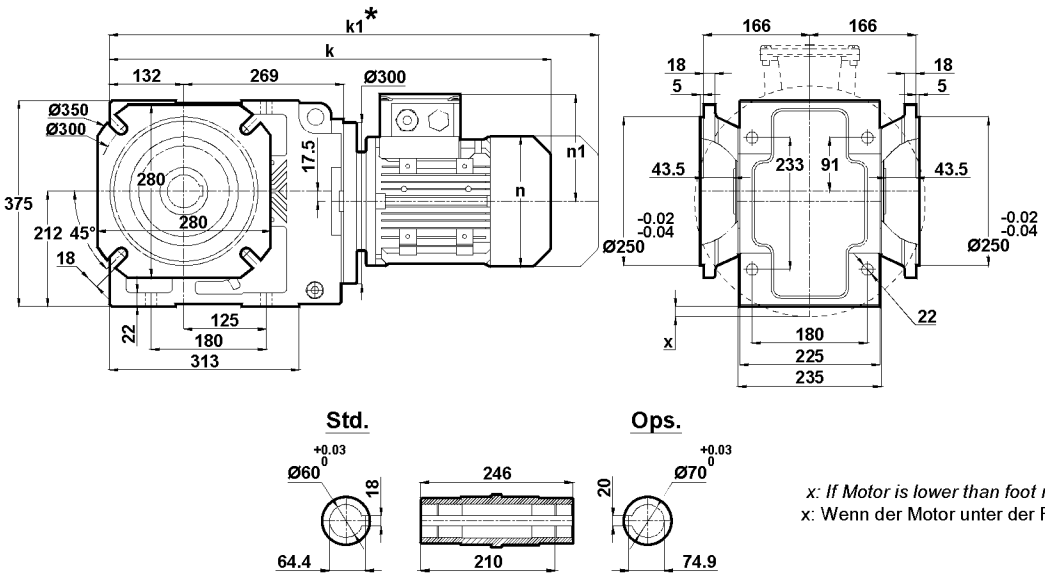
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

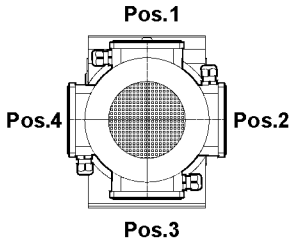
KR573.08



x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	829.5	829.5	925.5	925.5	997.5	997.5
k1	827.5	847.5	959.5	959.5	1073.5	1073.5	1156	1156
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250
x	-	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



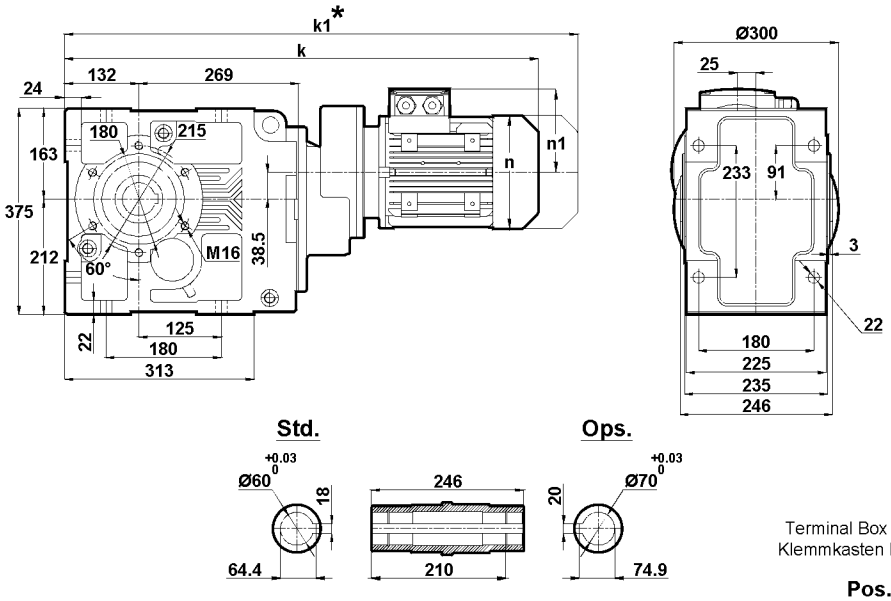
100-112-132-160-180
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

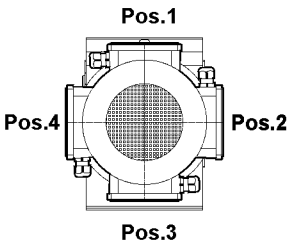
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR574.00



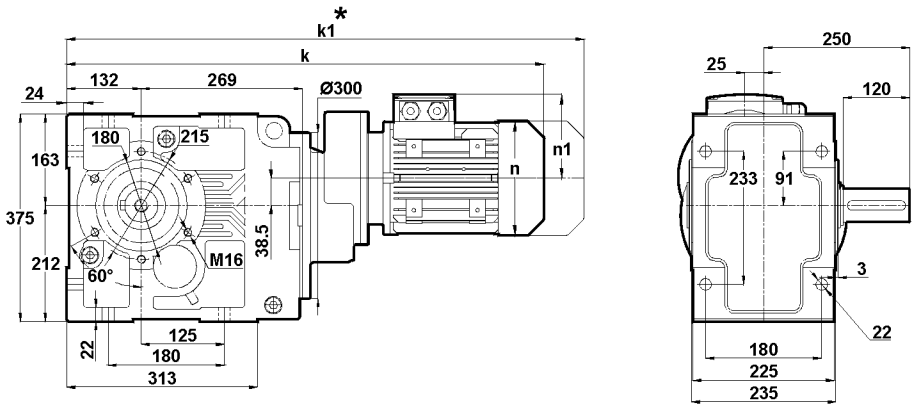
Terminal Box Positions
Klemmkasten Positionen

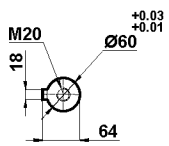


71-80-90-100
Type / Typ

	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

KR574.01



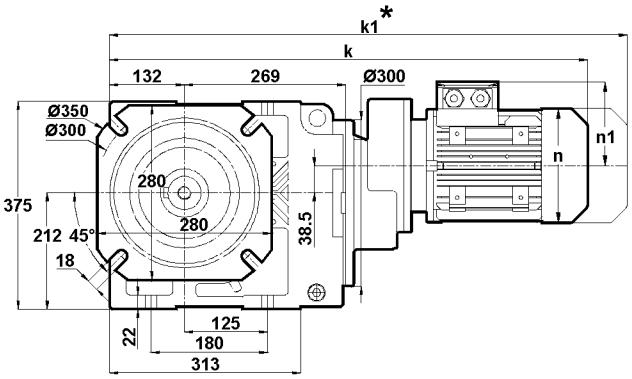


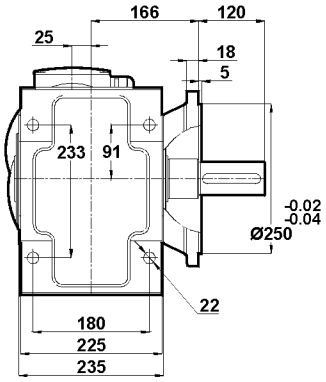
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

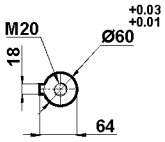
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR574.02

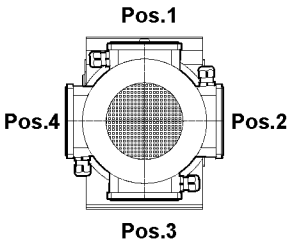






	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

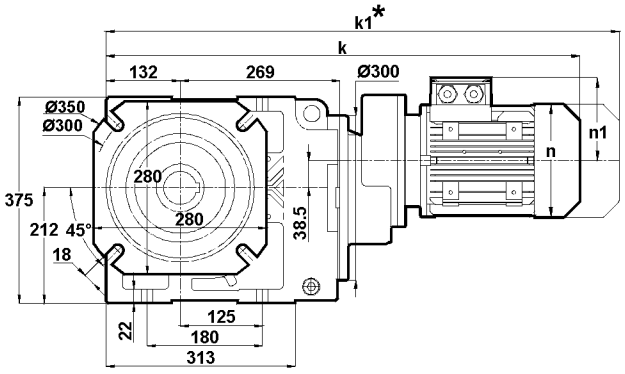
Terminal Box Positions
Klemmkasten Positionen

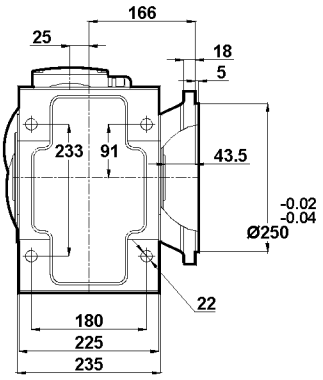


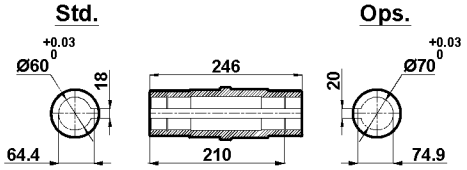
71-80-90-100
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR574.03



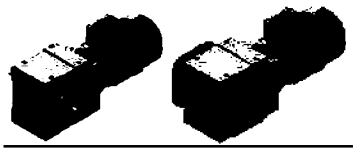




	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

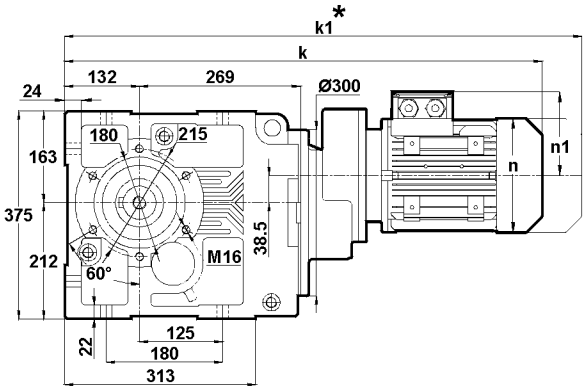
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

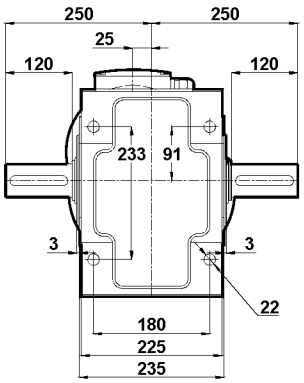
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

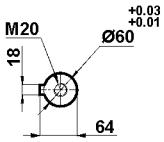


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR574.04

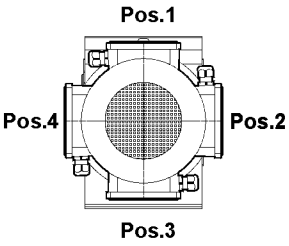






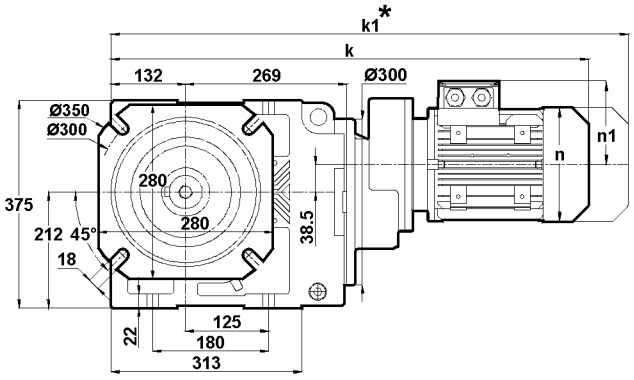
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

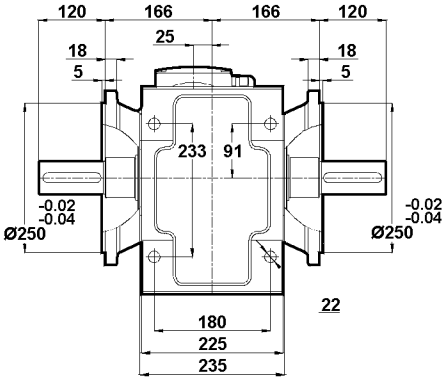
Terminal Box Positions
Klemmkasten Positionen

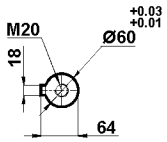


71-80-90-100
Type / Typ

KR574.05







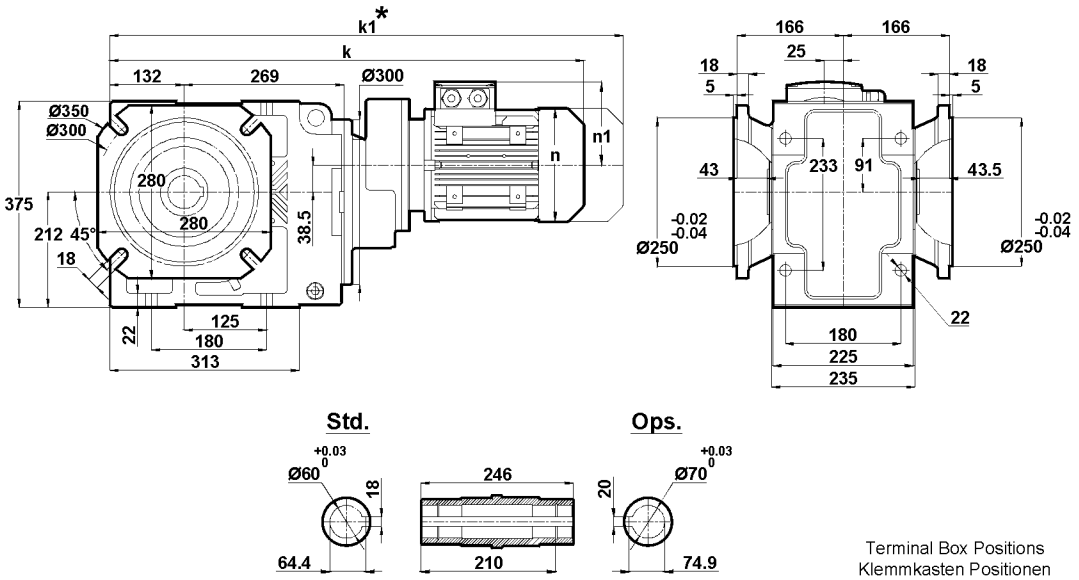
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

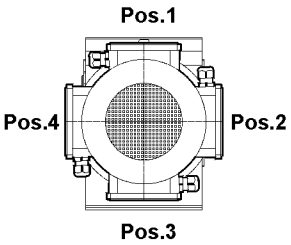
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR574.08



	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	875.5	875.5	928.5
n	137	155	176	176	193
n1	112	123	132	132	149

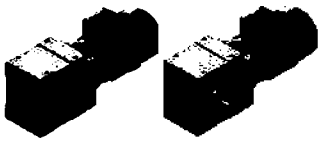
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100
Type / Typ

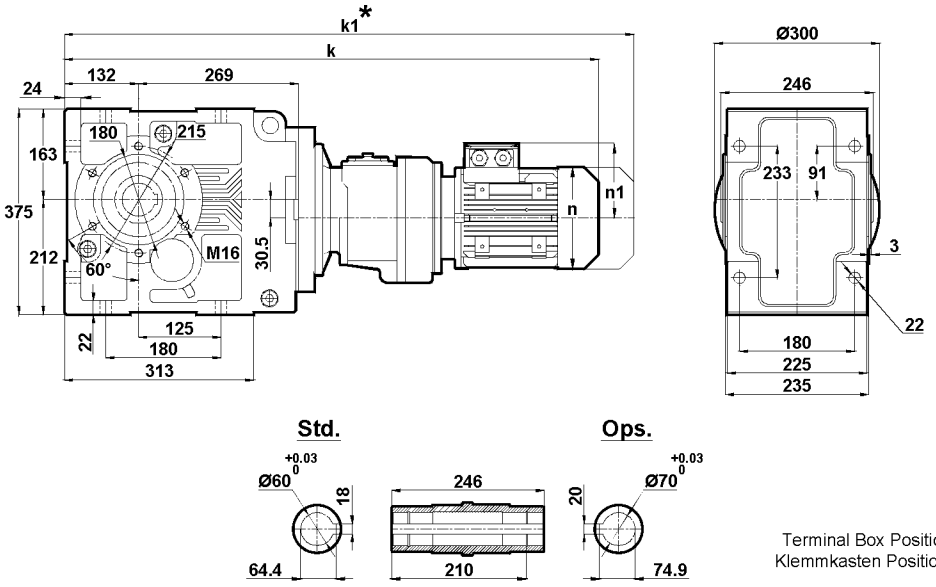
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



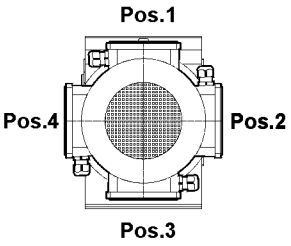
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR575.00
KR576.00



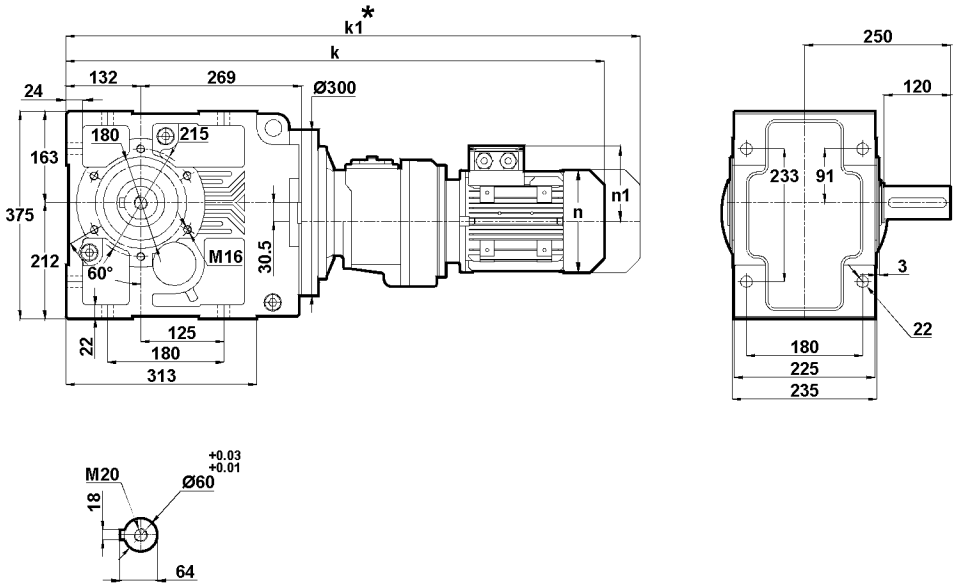
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

KR575.01
KR576.01

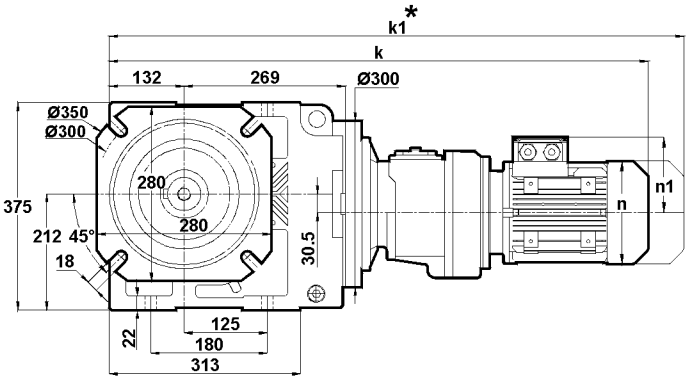


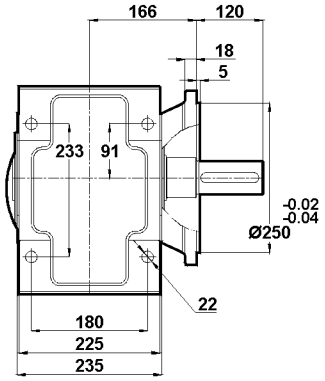
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

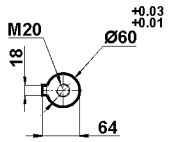
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

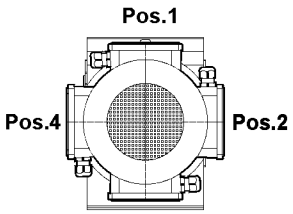
KR575.02
KR576.02







Terminal Box Positions
Klemmkasten Positionen

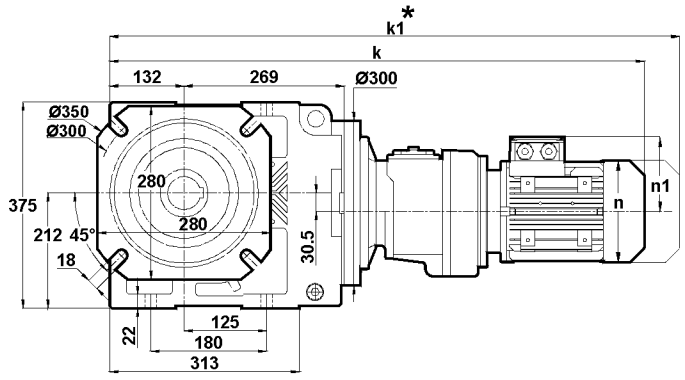


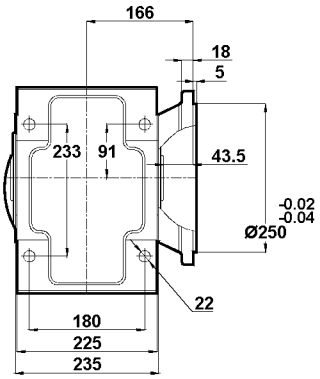
63-71-80
Type / Typ

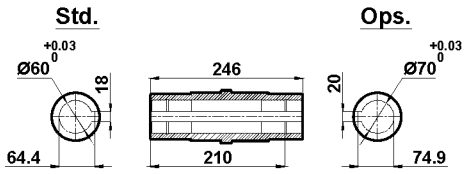
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR575.03
KR576.03







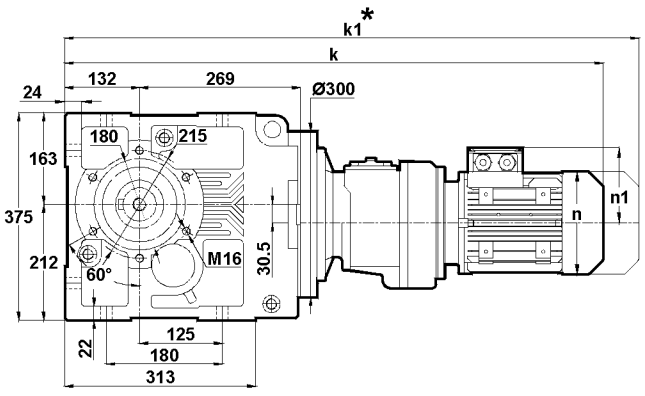
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

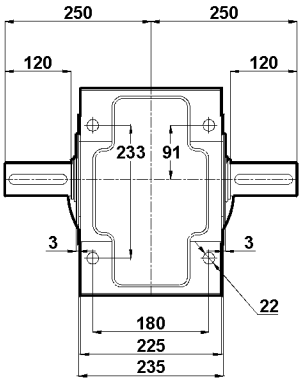
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

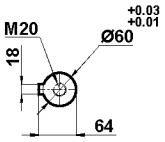
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR575.04
KR576.04

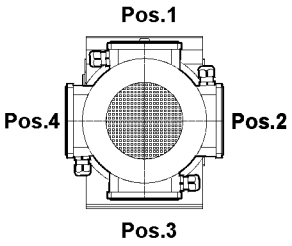






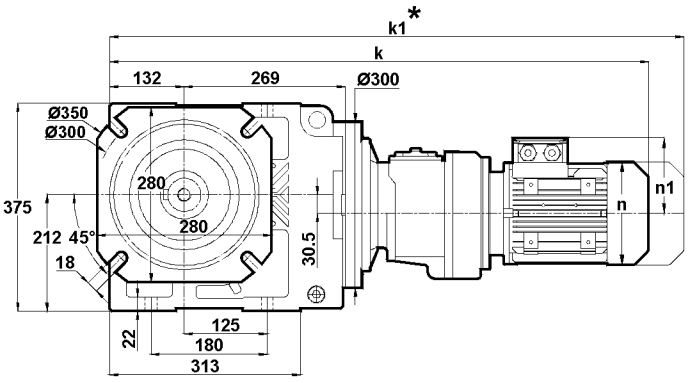
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

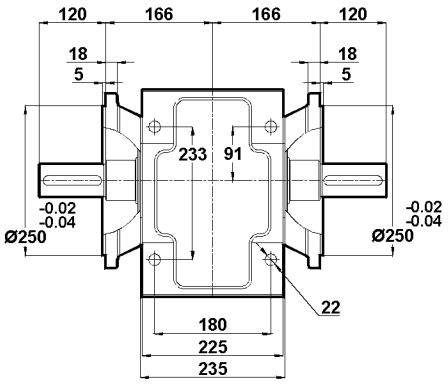
Terminal Box Positions
Klemmkasten Positionen

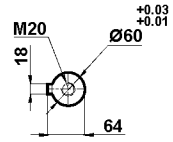


63-71-80
Type / Typ

KR575.05
KR576.05







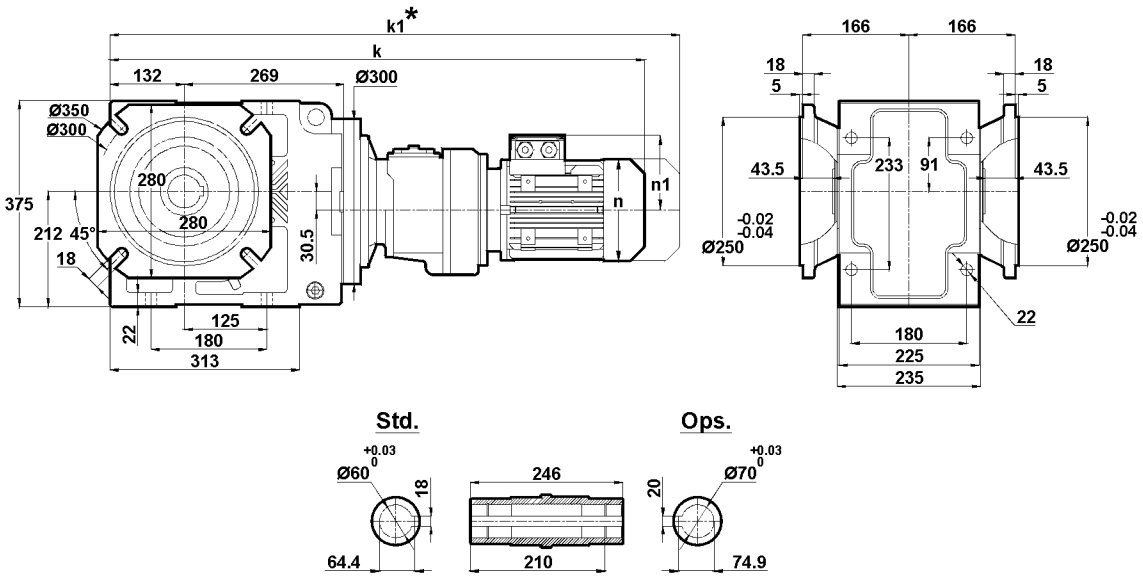
	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

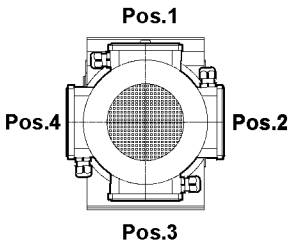
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR575.08
KR576.08



	63	71	80
k	804	831	865
k1	865	922	958
n	121	137	155
n1	97	112	123

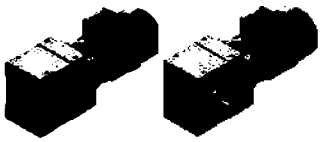
Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

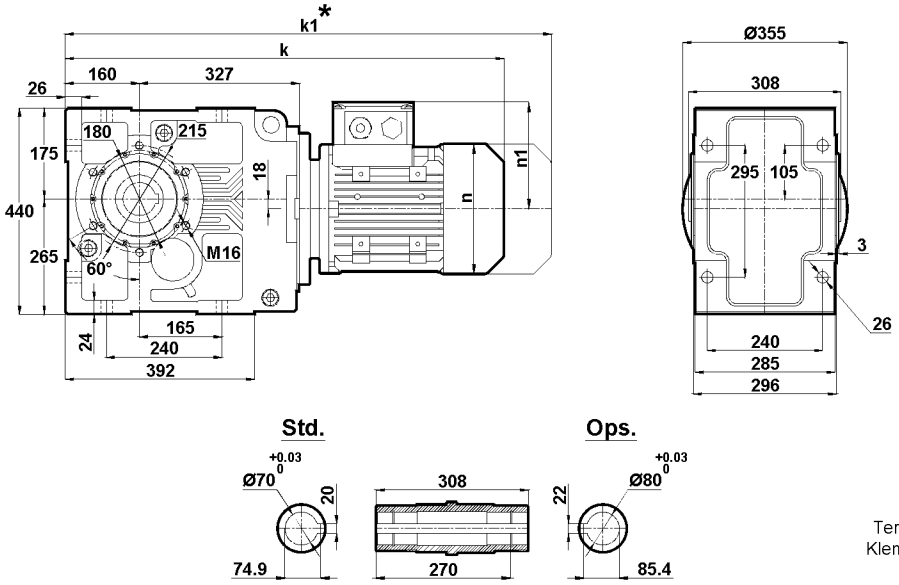
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



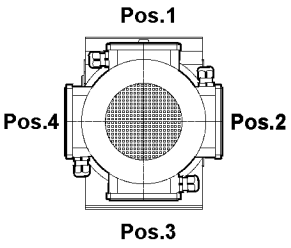
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR673.00



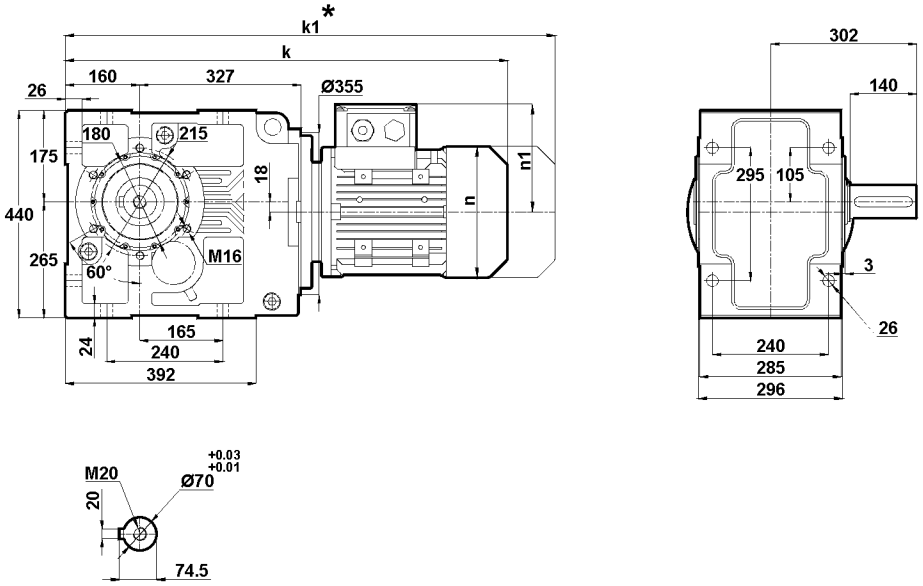
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180-200-225
Type / Typ

KR673.01

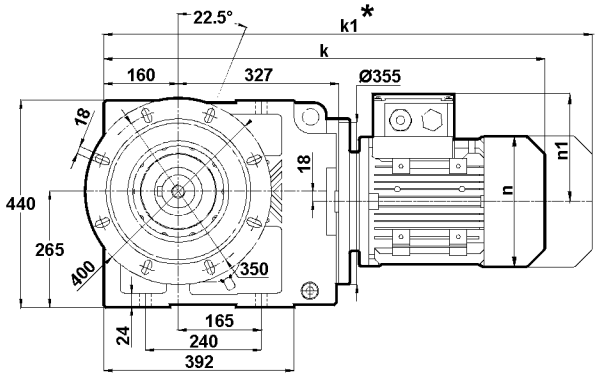


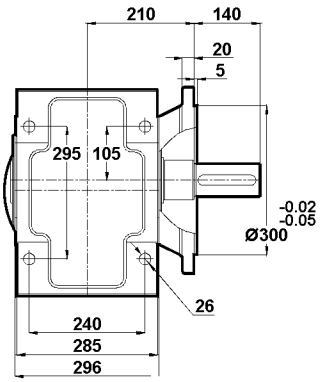
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

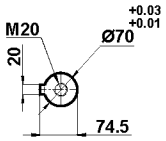
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

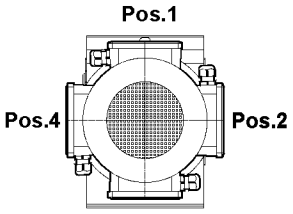
KR673.02







Terminal Box Positions
Klemmkasten Positionen

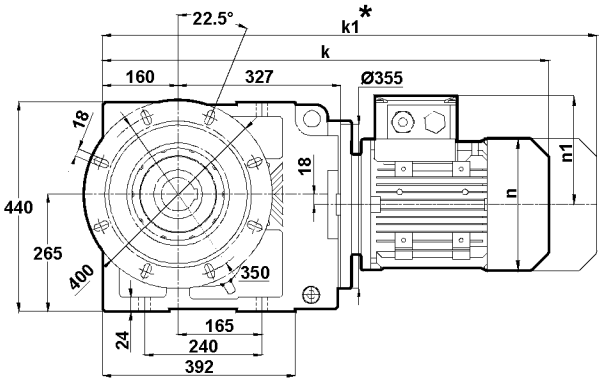


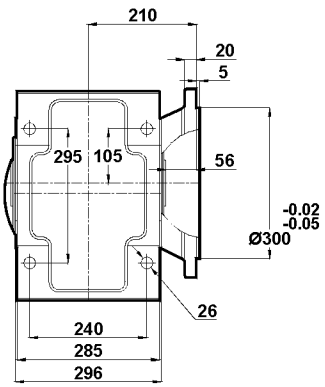
100-112-132-160-180-200-225
Type / Typ

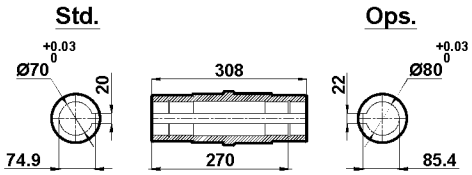
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR673.03



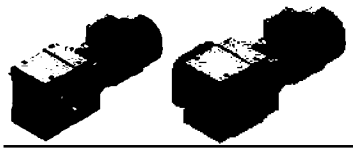




	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

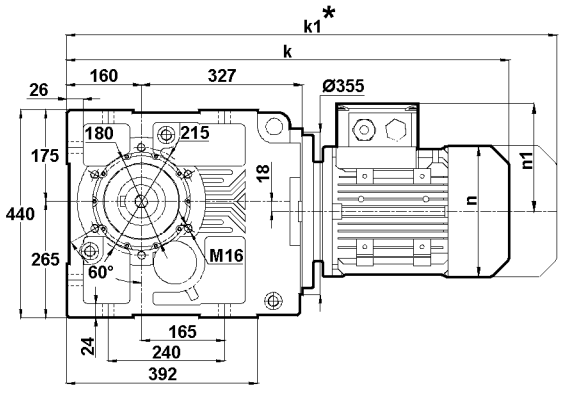
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

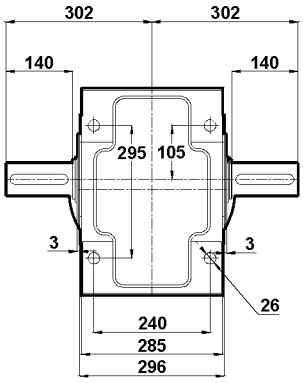
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

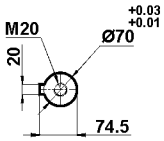


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR673.04

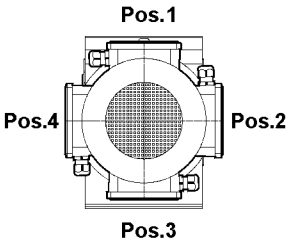






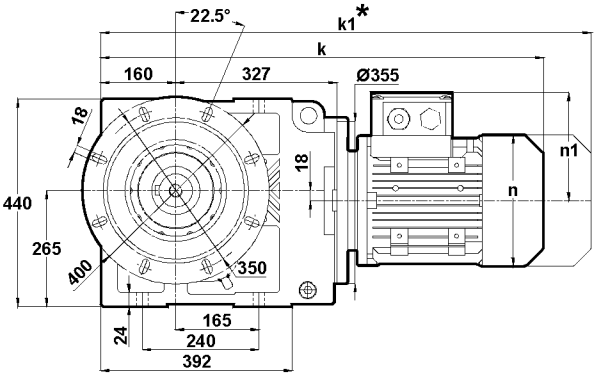
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

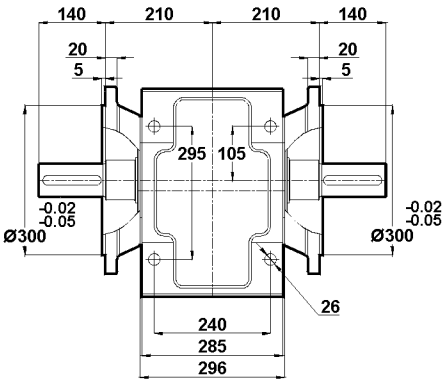
Terminal Box Positions
Klemmkasten Positionen

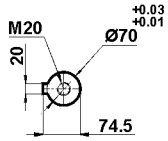


100-112-132-160-180-200-225
Type / Typ

KR673.05







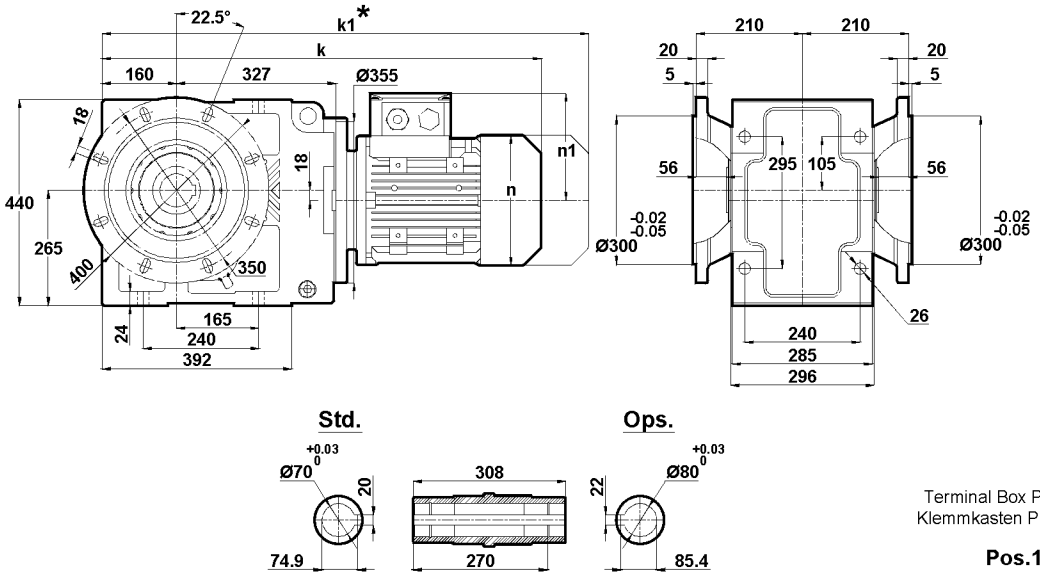
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

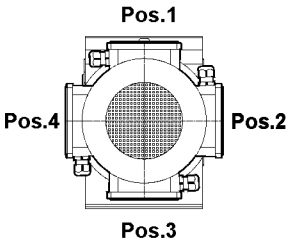
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR673.08



	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	907.5	907.5	1003.5	1003.5	1075.5	1075.5	1121.5	1148	1173
k1	905.5	925.5	1037.5	1037.5	1151.5	1151.5	1234	1234	1308	1313	1338
n	193	215	257	257	316	316	348	348	396	438	438
n1	149	161	181	181	224	224	250	250	287	316	316

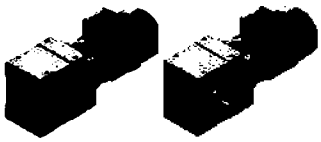
Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180-200-225
Type / Typ

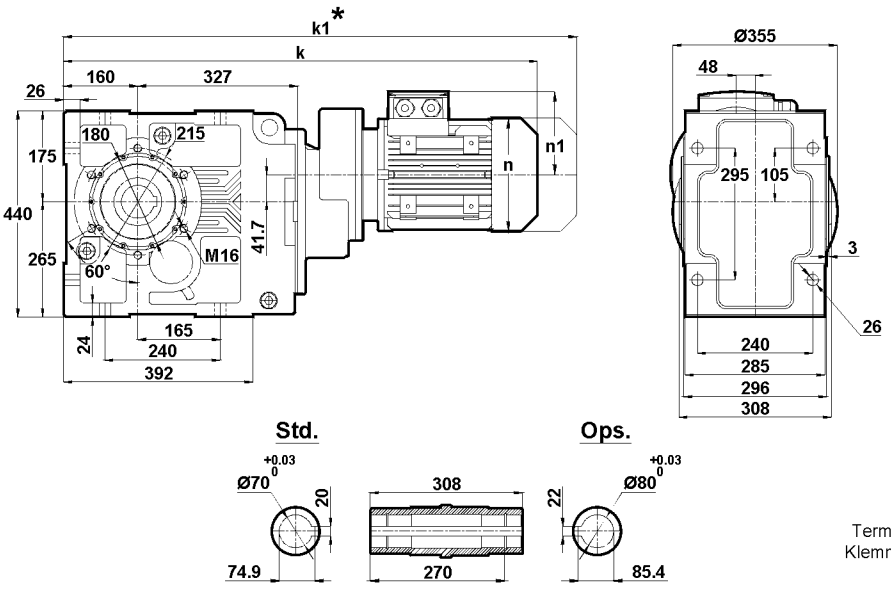
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



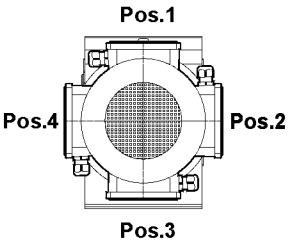
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR674.00



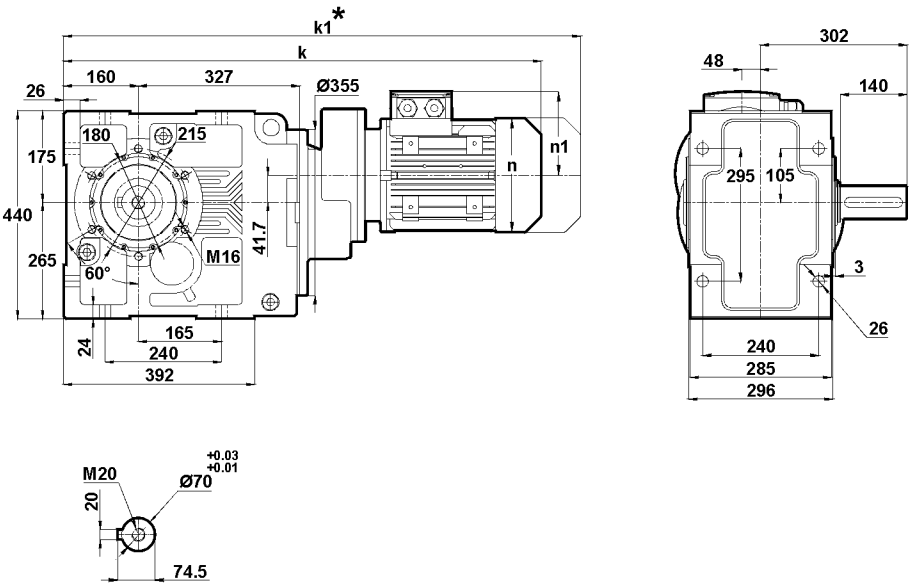
	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

Terminal Box Positions
Klemmkasten Positionen



80-90-100
Type / Typ

KR674.01

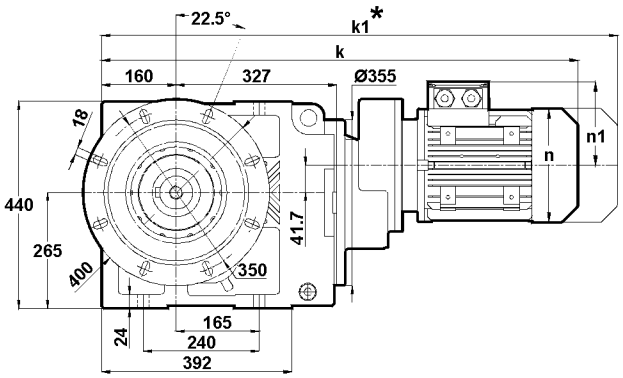


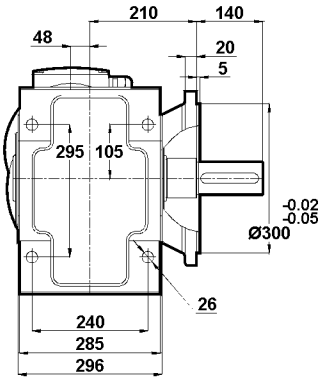
	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

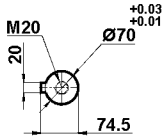
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR674.02

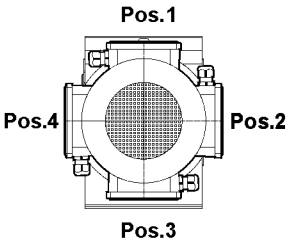






	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

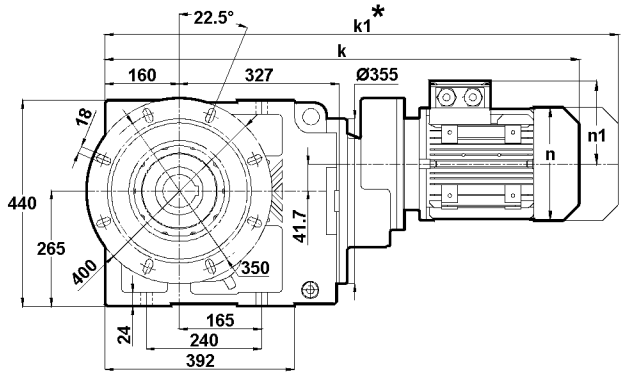
Terminal Box Positions
Klemmkasten Positionen

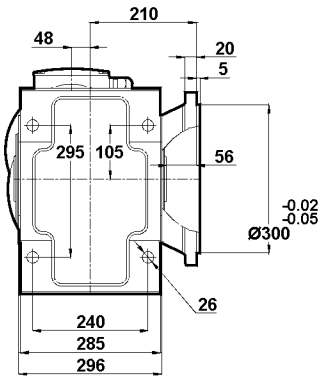


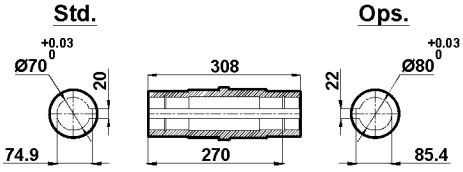
80-90-100
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR674.03







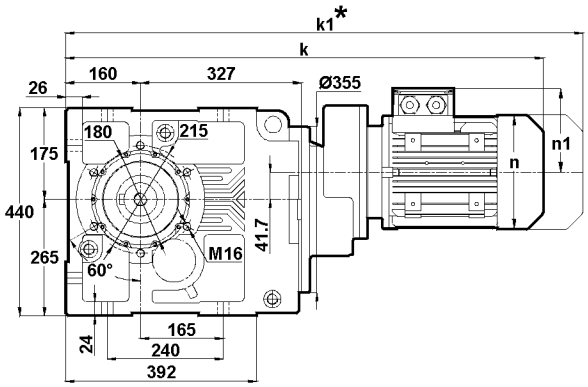
	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

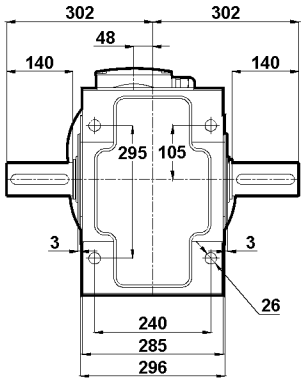
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

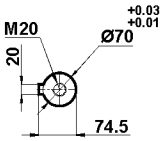
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR674.04

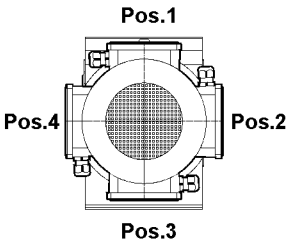






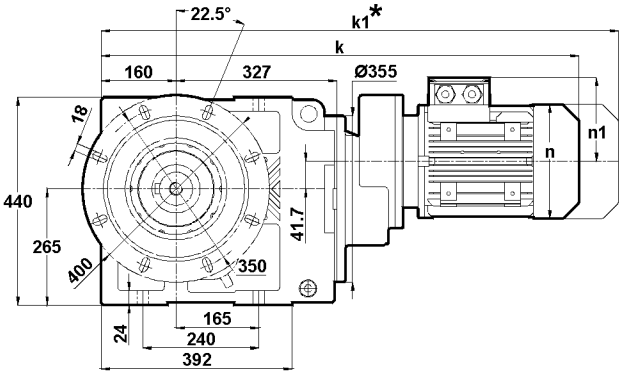
	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

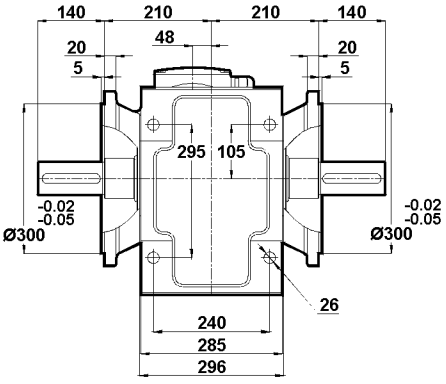
Terminal Box Positions
Klemmkasten Positionen

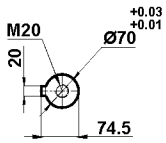


80-90-100
Type / Typ

KR674.05







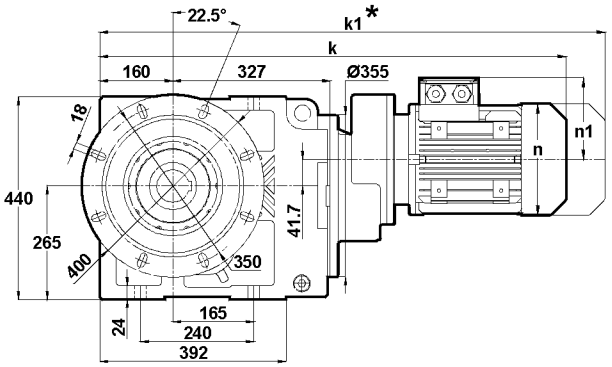
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

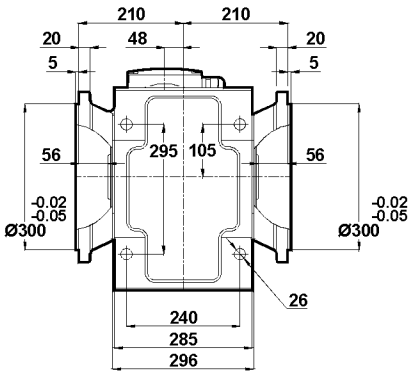
	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

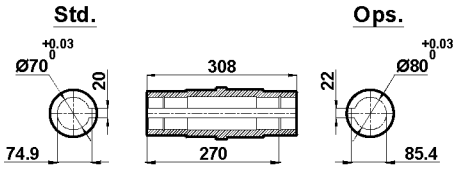
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR674.08

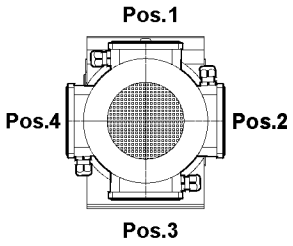






	80	90S	90L	100L
k	829.5	868.5	868.5	913.5
k1	922.5	972	972	1022
n	155	176	176	193
n1	123	132	132	149

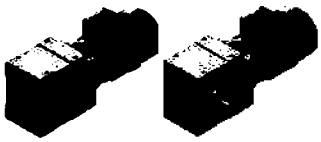
Terminal Box Positions
Klemmkasten Positionen



80-90-100
Type / Typ

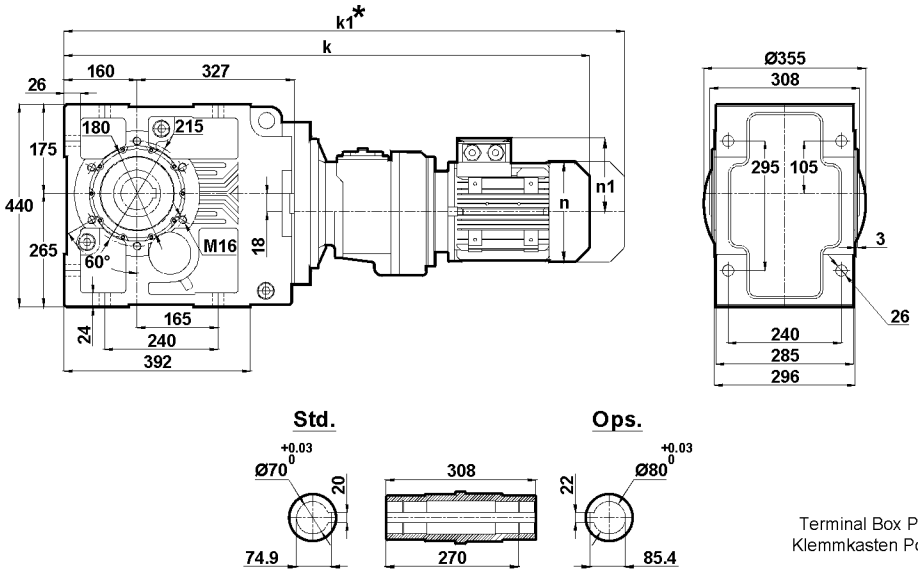
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



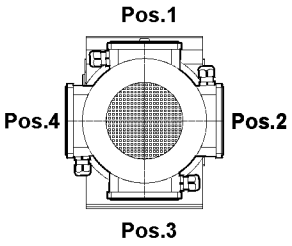
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR675.00
KR676.00



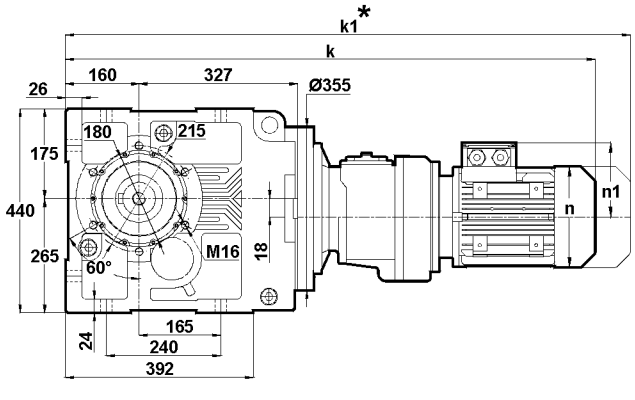
	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

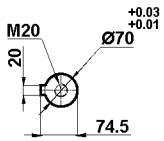
Terminal Box Positions
Klemmkasten Positionen



71-80-90
Type / Typ

KR675.01
KR676.01



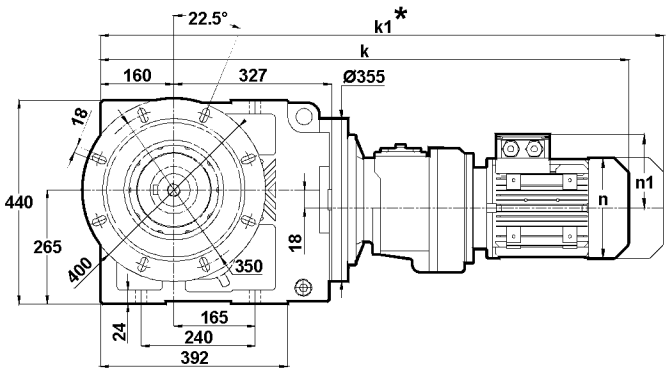


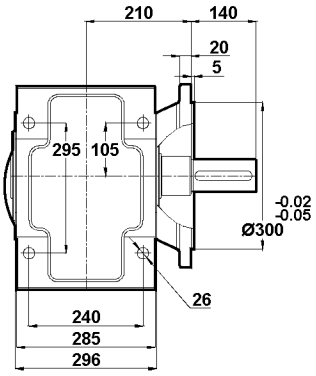
	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

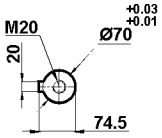
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR675.02
KR676.02

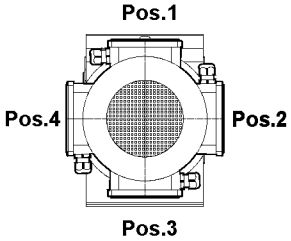






	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

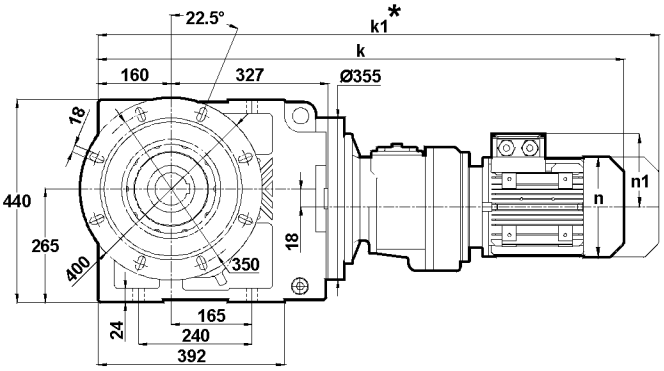
Terminal Box Positions
Klemmkasten Positionen

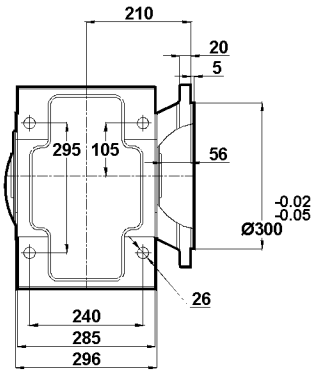


71-80-90
Type / Typ

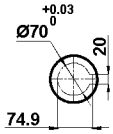
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

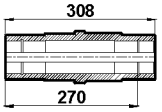
KR675.03
KR676.03



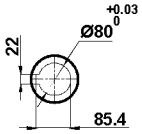


Std.





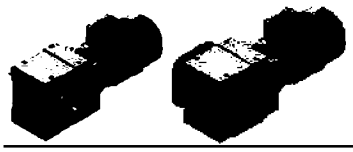
Ops.



	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

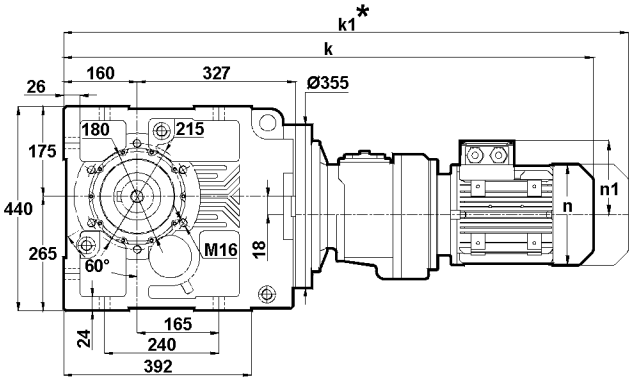
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

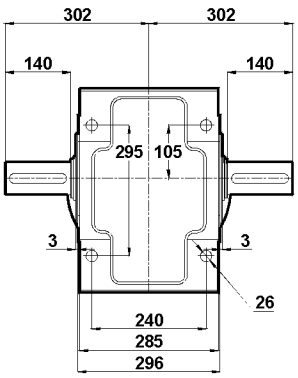
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

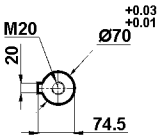


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR675.04
KR676.04

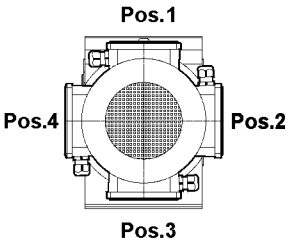






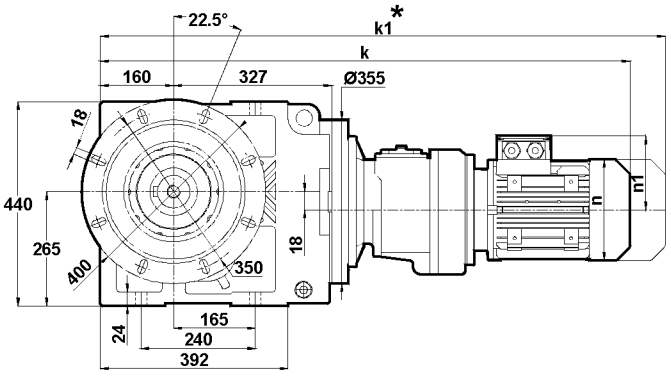
	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

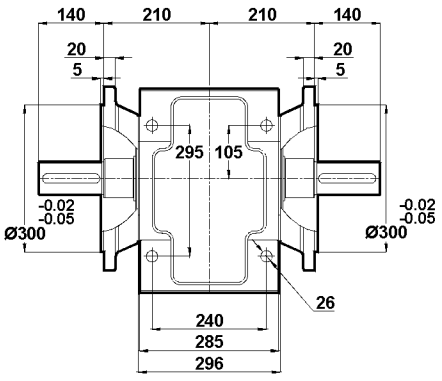
Terminal Box Positions
Klemmkasten Positionen

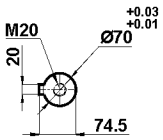


71-80-90
Type / Typ

KR675.05
KR676.05







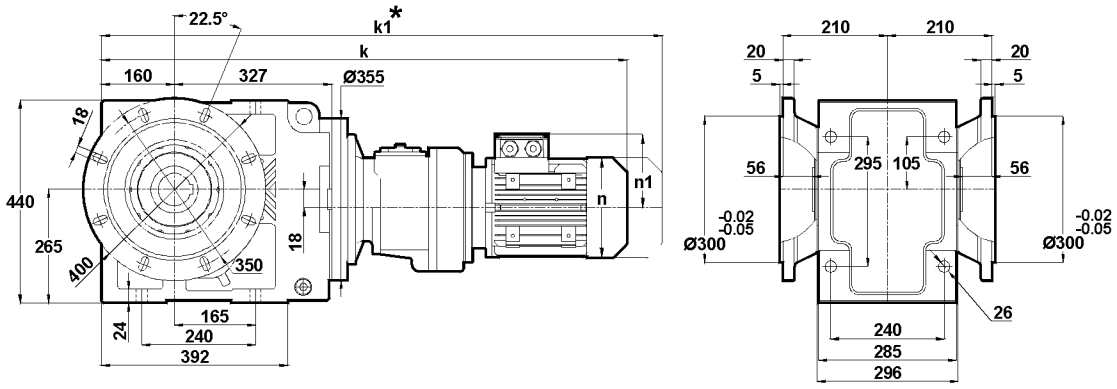
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

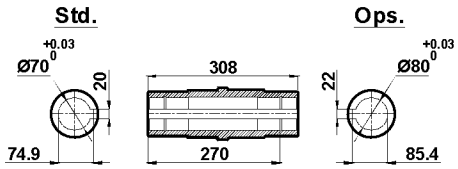
	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

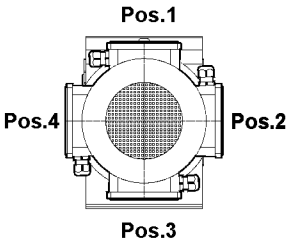
KR675.08
KR676.08





	71	80	90S
k	941.5	975.5	1014.5
k1	1032.5	1068.5	1118
n	137	155	176
n1	112	123	132

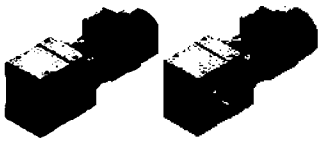
Terminal Box Positions
Klemmkasten Positionen



71-80-90
Type / Typ

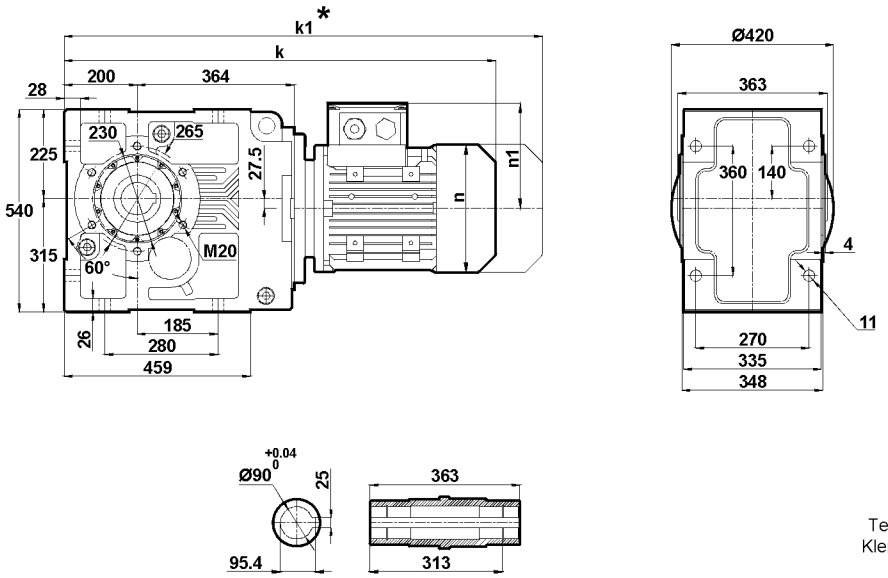
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



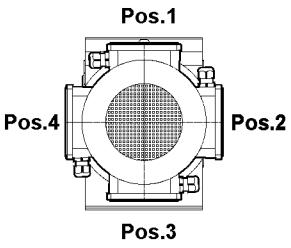
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR773.00



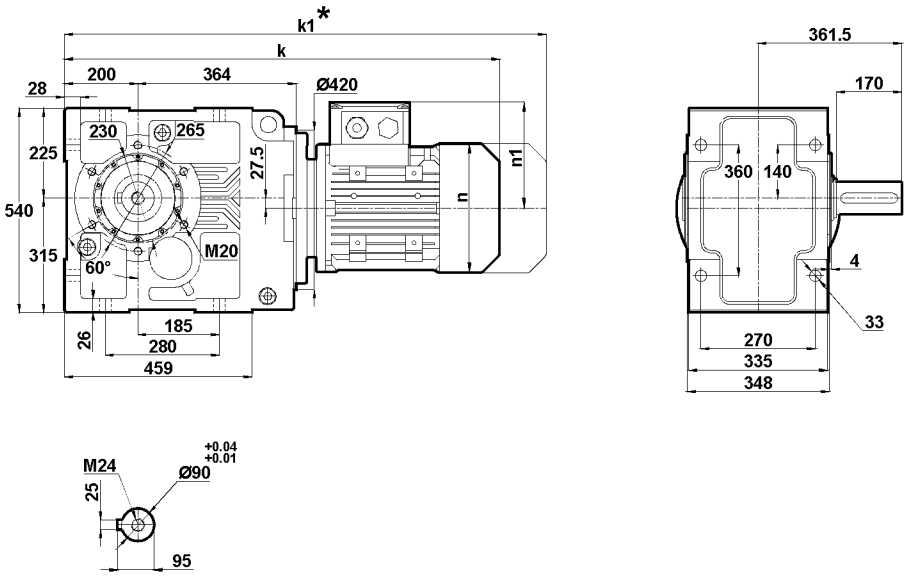
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

Terminal Box Positions
Klemmkasten Positionen



132-160-180-200-225-250
Type / Typ

KR773.01

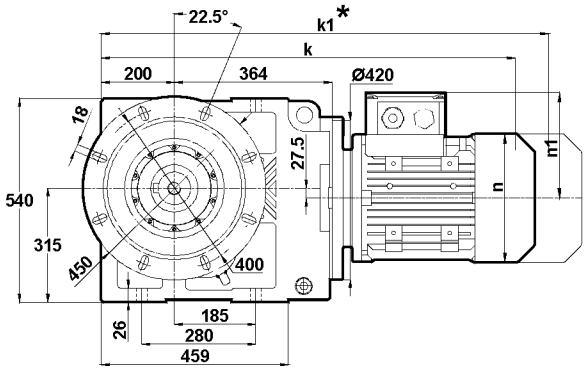


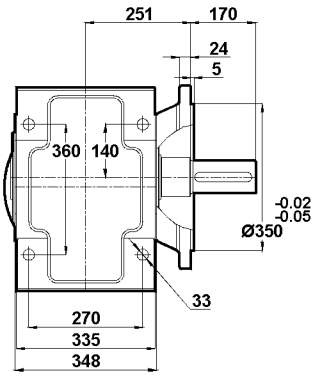
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

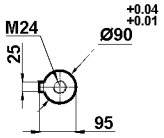
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

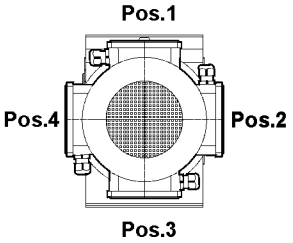
KR773.02







Terminal Box Positions
Klemmkasten Positionen

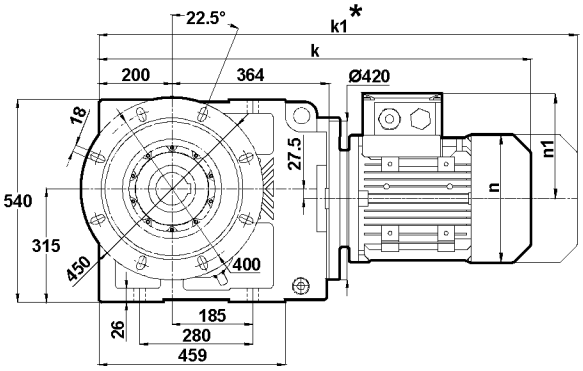


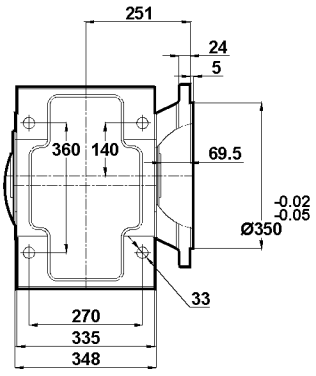
132-160-180-200-225-250
Type / Typ

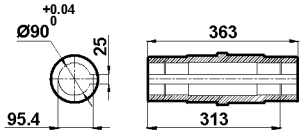
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR773.03



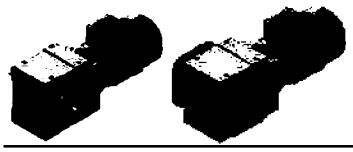




	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

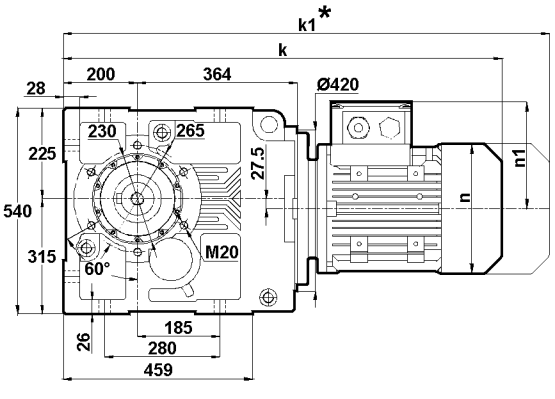
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

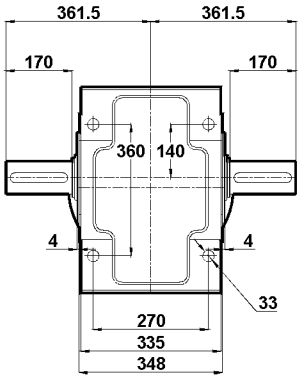
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

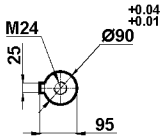


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR773.04

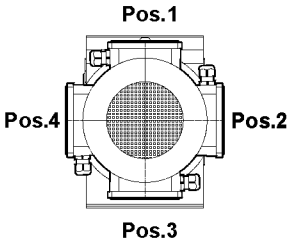






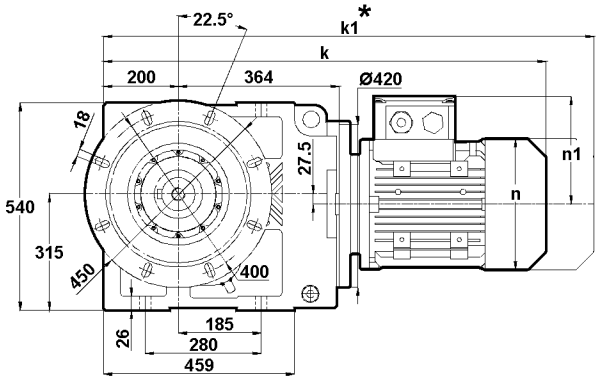
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

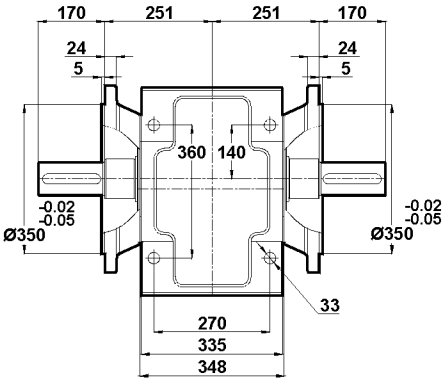
Terminal Box Positions
Klemmkasten Positionen

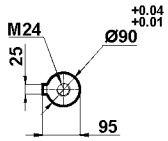


132-160-180-200-225-250
Type / Typ

KR773.05







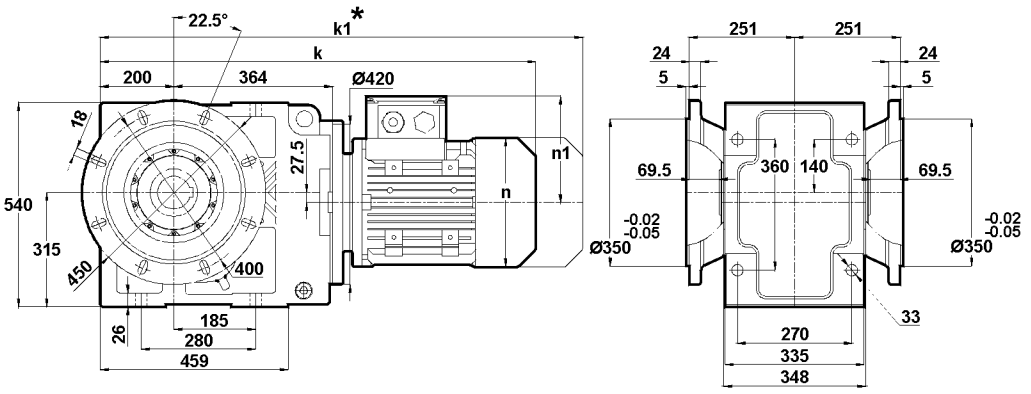
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

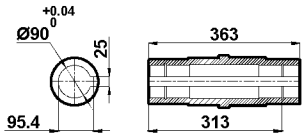
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

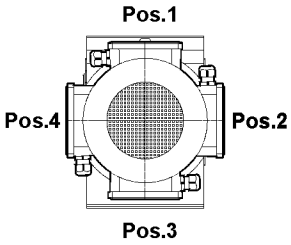
KR773.08





	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	980.5	980.5	1076.5	1076.5	1148.5	1148.5	1194.5	1221.5	1246.5	1338.5
k1	1110.5	1110.5	1224.5	1224.5	1307	1307	1381	1386.5	1411.5	1509
n	257	257	316	316	348	348	396	438	438	481
n1	181	181	224	224	250	250	287	316	316	335

Terminal Box Positions
Klemmkasten Positionen



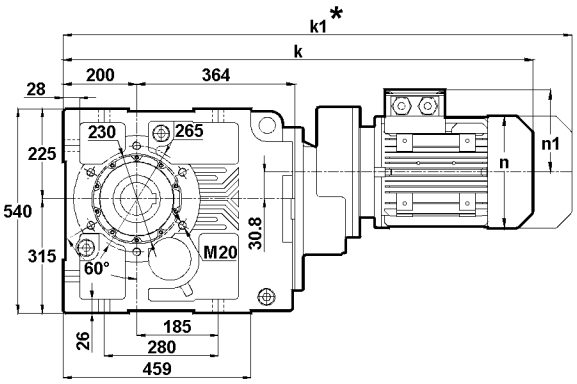
132-160-180-200-225-250
Type / Typ

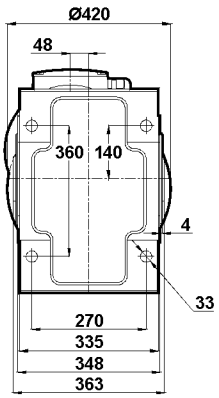
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

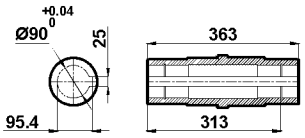
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR774.00

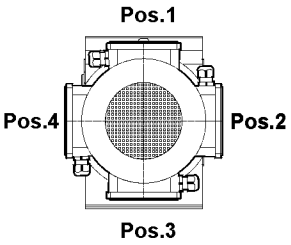






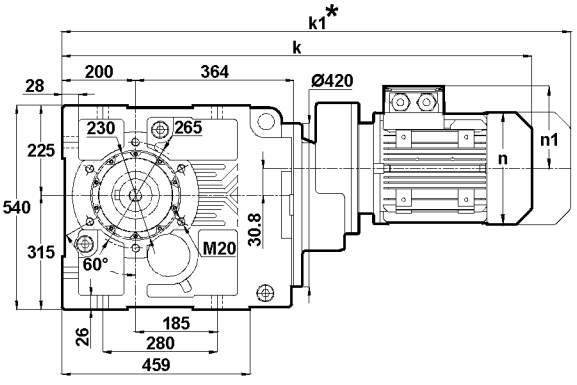
	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

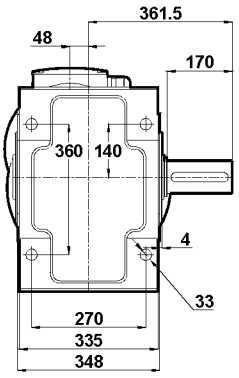
Terminal Box Positions
Klemmkasten Positionen

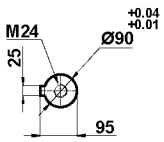


90-100-112-132
Type / Typ

KR774.01





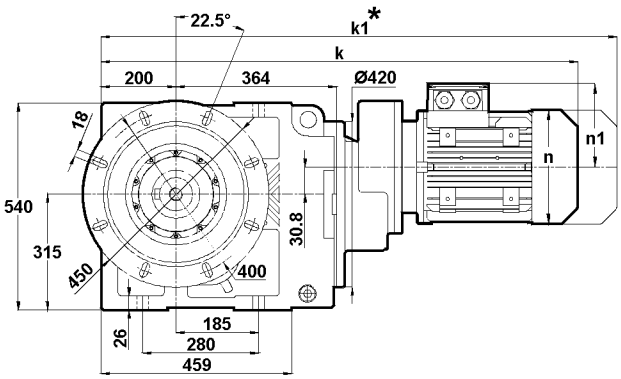


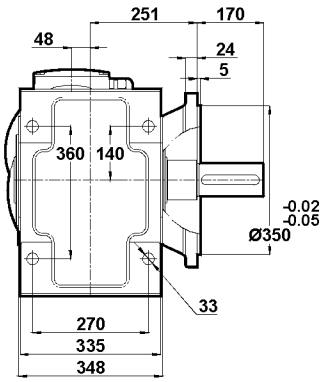
	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

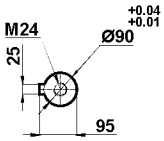
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR774.02

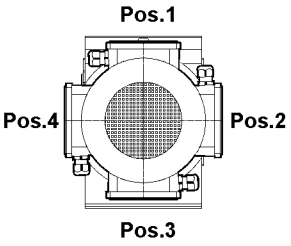






	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

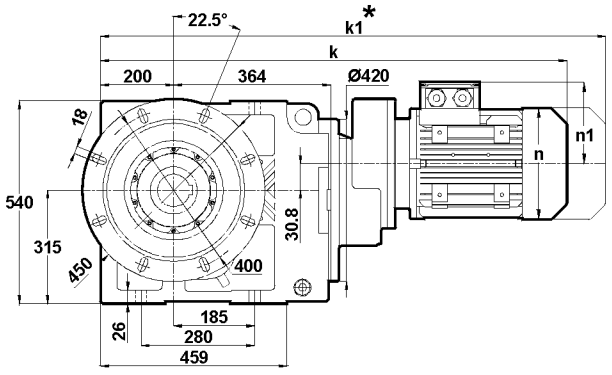
Terminal Box Positions
Klemmkasten Positionen

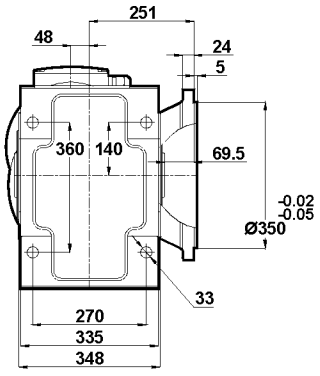


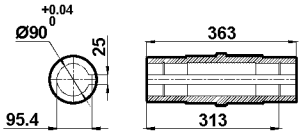
90-100-112-132
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR774.03







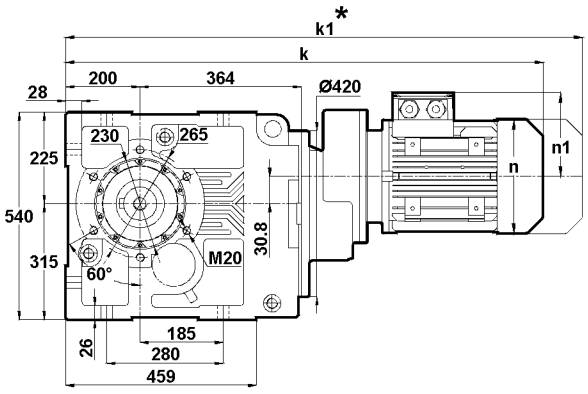
	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

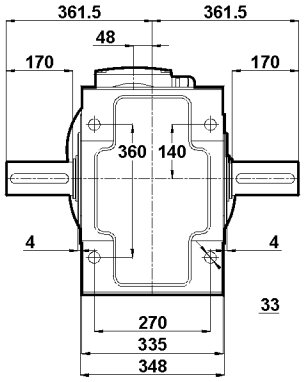
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

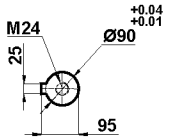
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR774.04

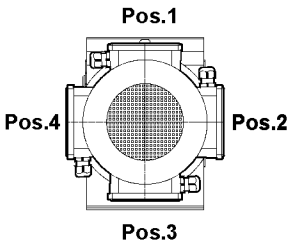






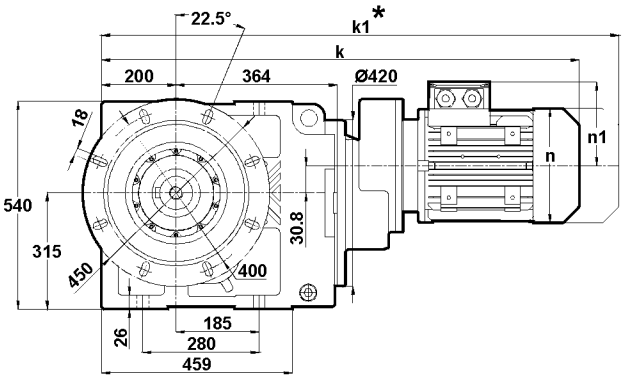
	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

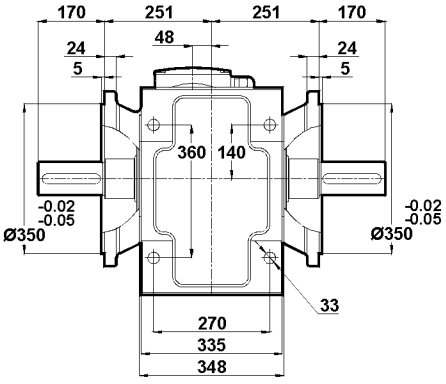
Terminal Box Positions
Klemmkasten Positionen

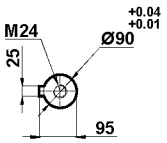


90-100-112-132
Type / Typ

KR774.05







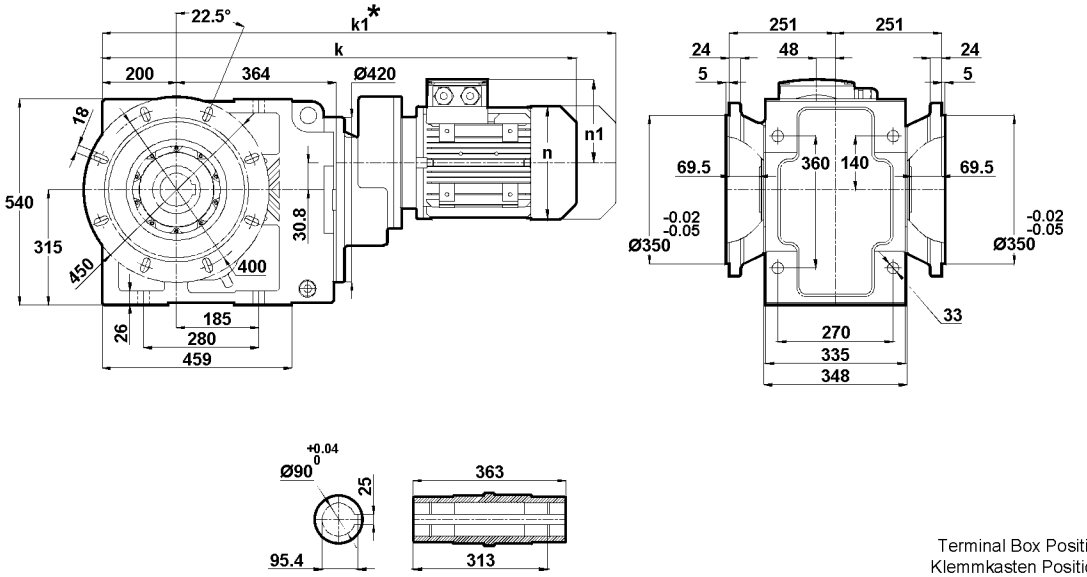
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

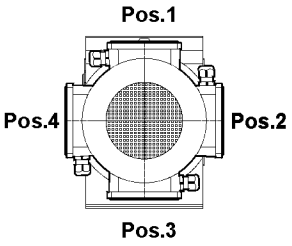
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR774.08



	90S	90L	100L	112M	132S	132M
k	945.5	945.5	990.5	1014.5	1099.5	1099.5
k1	1049	1049	1099	1119	1229.5	1229.5
n	176	176	193	215	257	257
n1	132	132	149	161	181	181

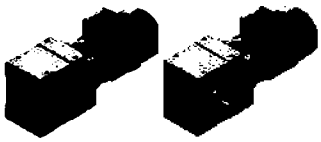
Terminal Box Positions
Klemmkasten Positionen



90-100-112-132
Type / Typ

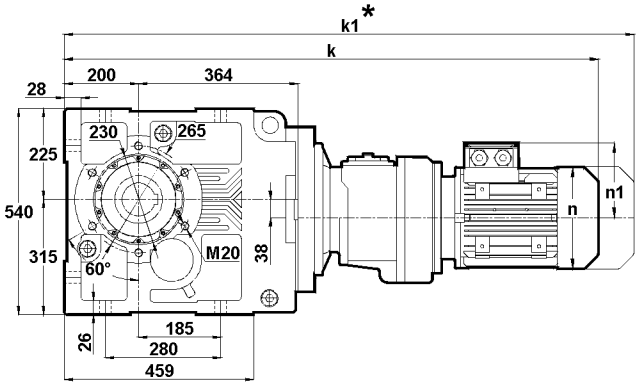
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

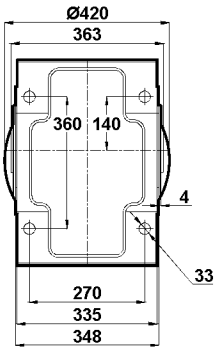
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

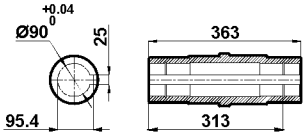


-Mil ucu çektirme deliği DIN 332 sayfa 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit Gewinde DIN 332, Blatt 2

KR775.00
KR776.00

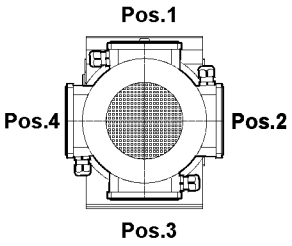






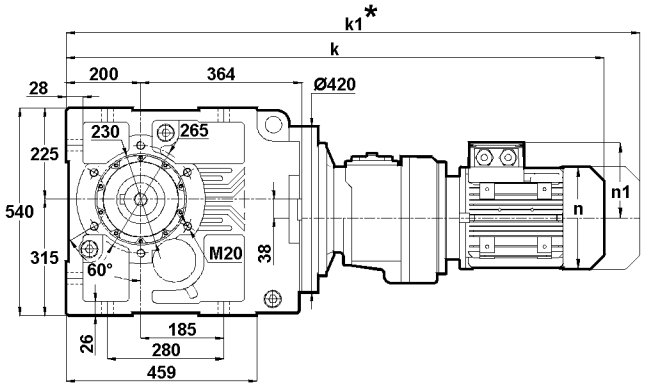
	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

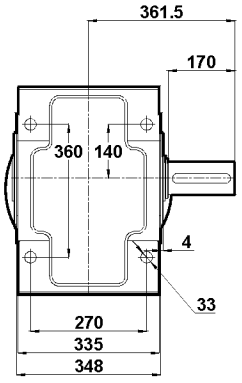
Terminal Box Positions
Klemmkasten Positionen

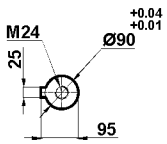


71-80-90-100
Type / Typ

KR775.01
KR776.01





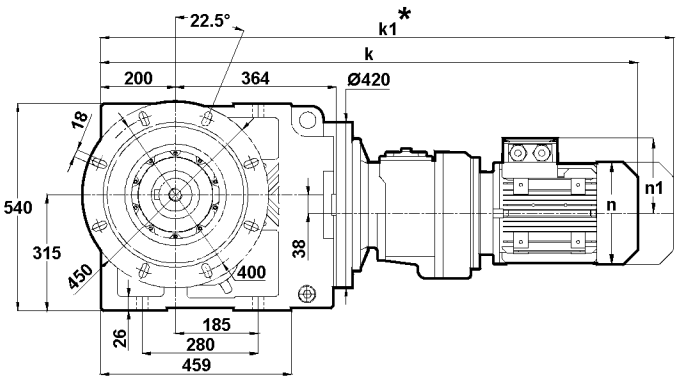


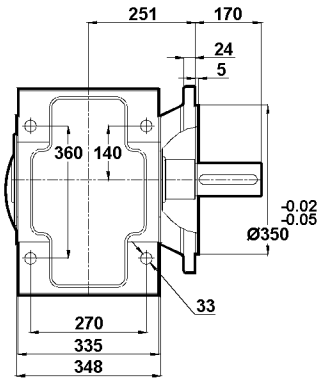
	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

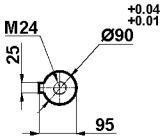
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

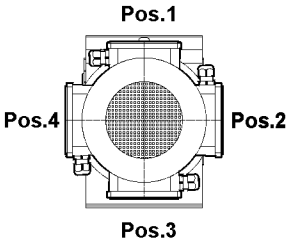
KR775.02
KR776.02







Terminal Box Positions
Klemmkasten Positionen

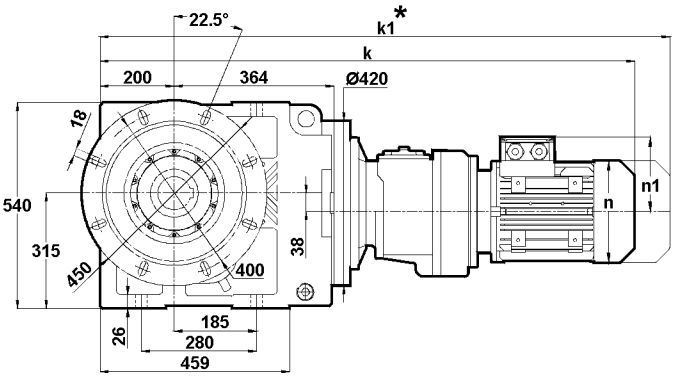


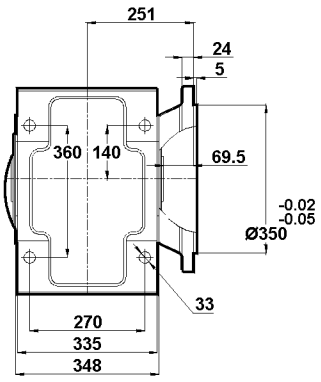
	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

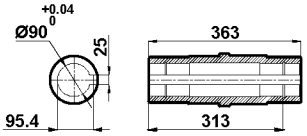
71-80-90-100
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR775.03
KR776.03



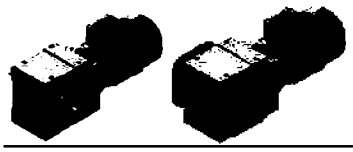




	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

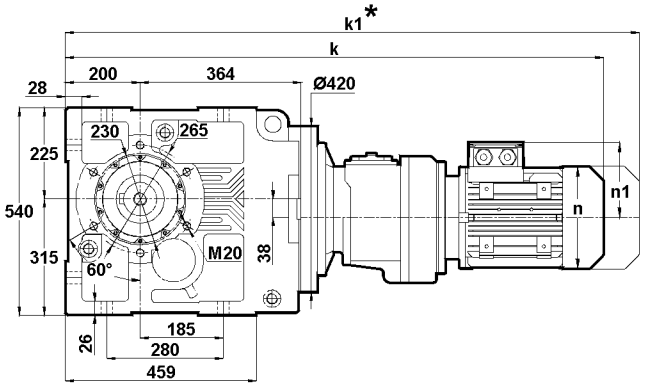
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

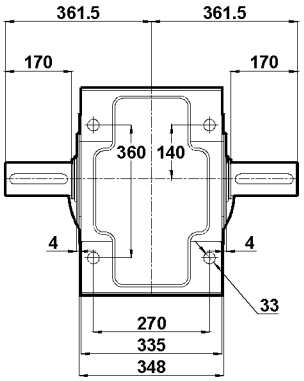
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

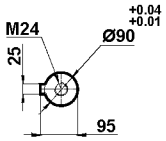


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR775.04
KR776.04

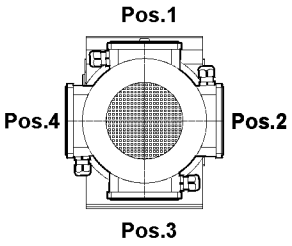






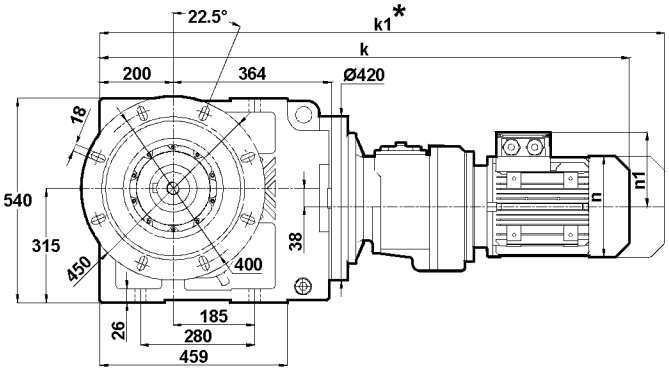
	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

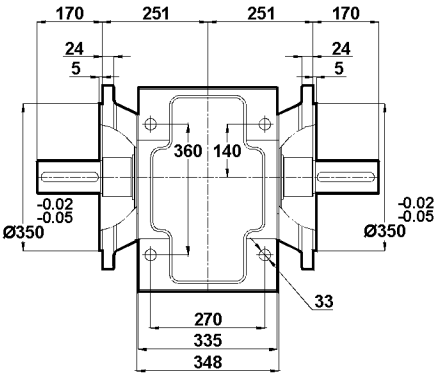
Terminal Box Positions
Klemmkasten Positionen

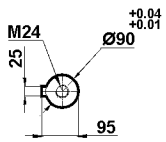


71-80-90-100
Type / Typ

KR775.05
KR776.05







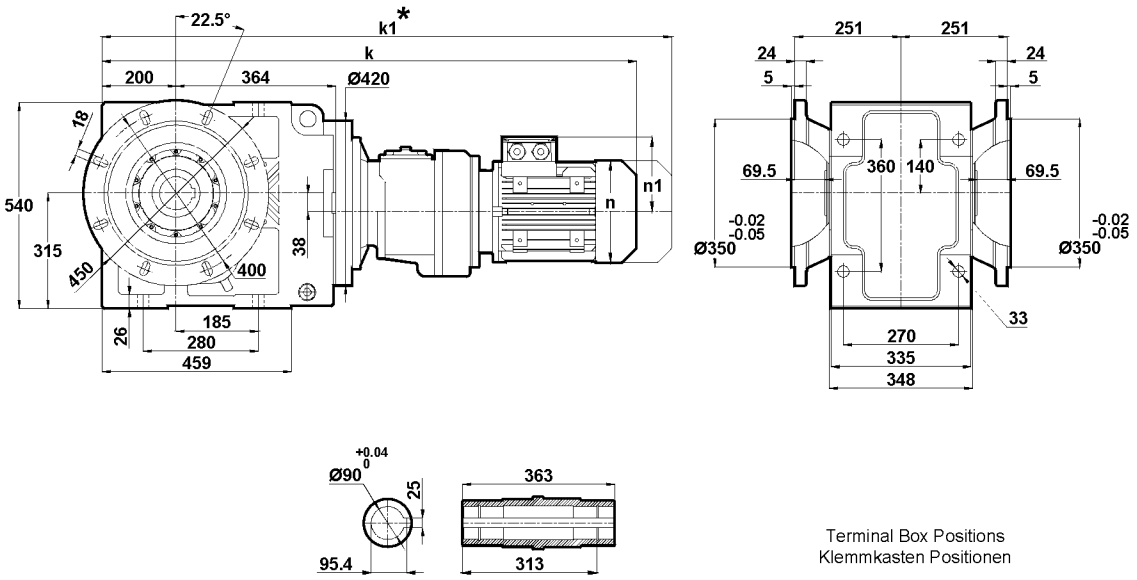
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

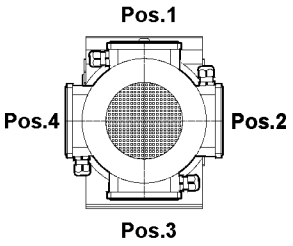
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR775.08
KR776.08



	71	80	90S	90L	100L
k	1018.5	1052.5	1091.5	1091.5	1139.5
k1	1109.5	1145.5	1195	1195	1248
n	137	155	176	176	193
n1	112	123	132	132	149

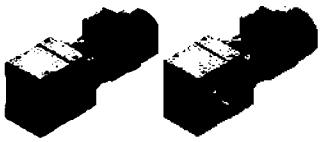
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100
Type / Typ

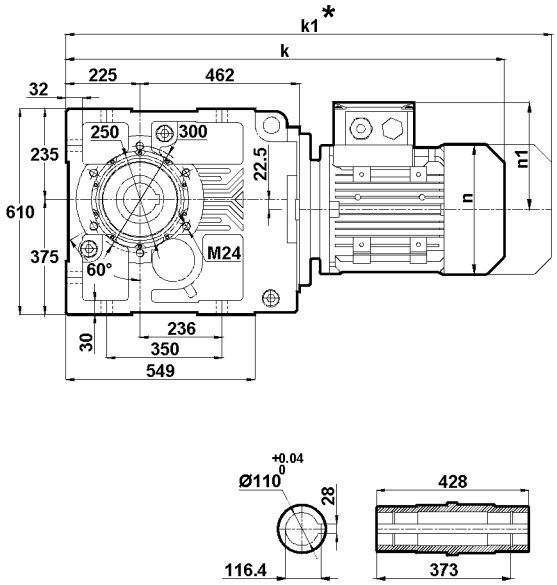
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

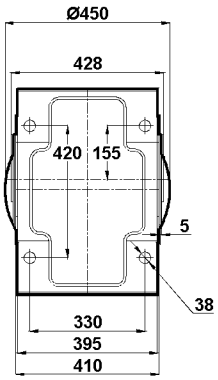
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

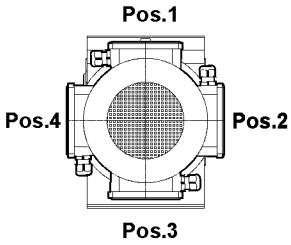
KR873.00





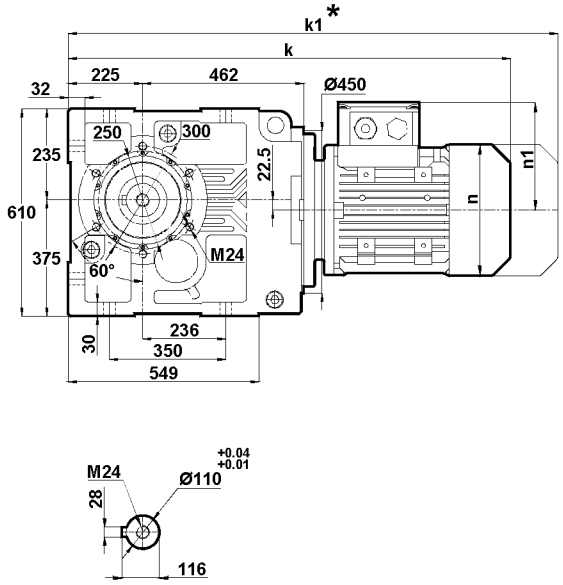
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

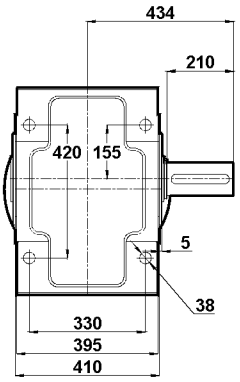
Terminal Box Positions
Klemmkasten Positionen



132-160-180-200-225-250-280
Type / Typ

KR873.01



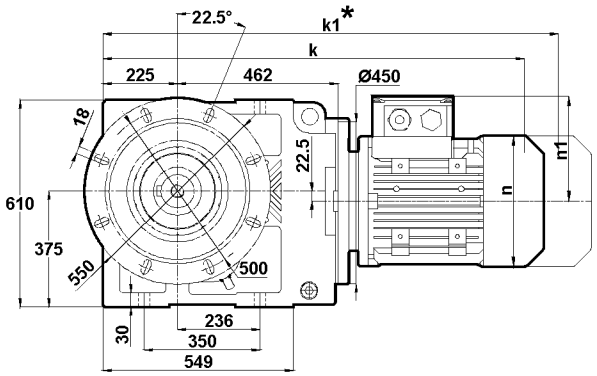


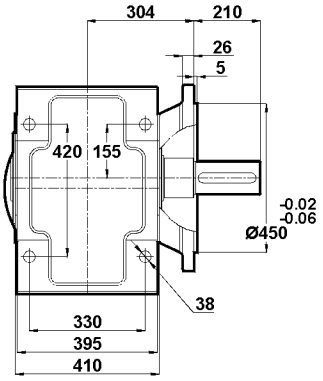
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

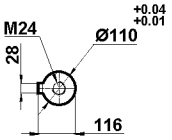
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

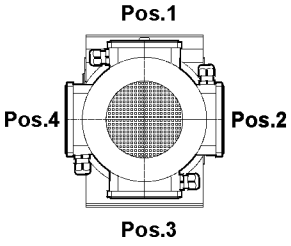
KR873.02







Terminal Box Positions
Klemmkasten Positionen

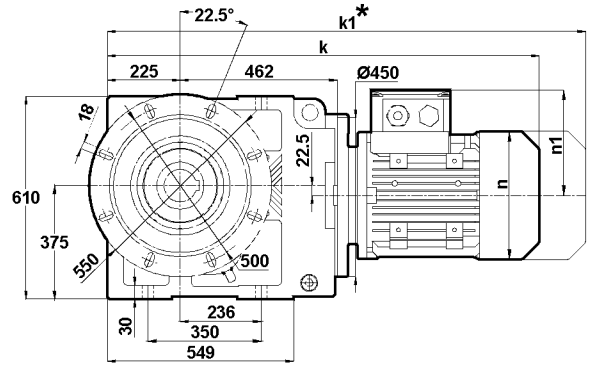


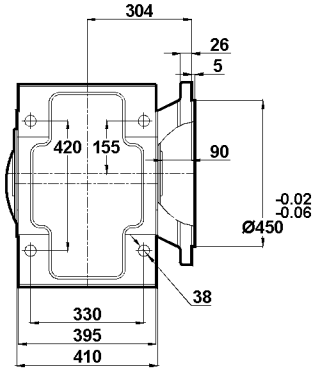
132-160-180-200-225-250-280
Type / Typ

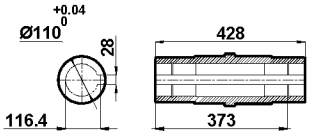
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR873.03



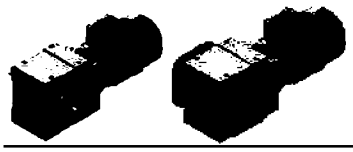




	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

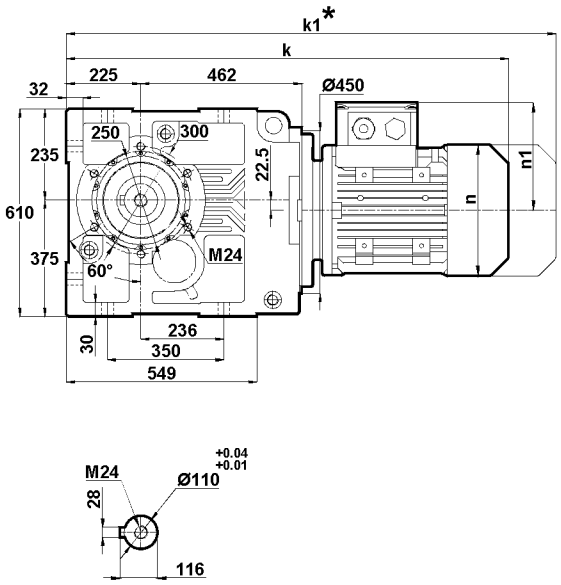
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

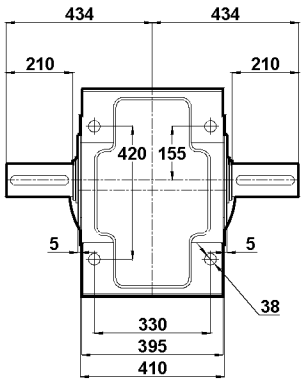
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

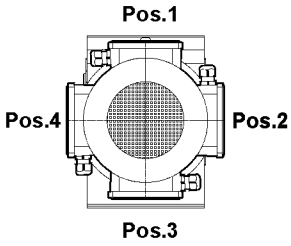
KR873.04





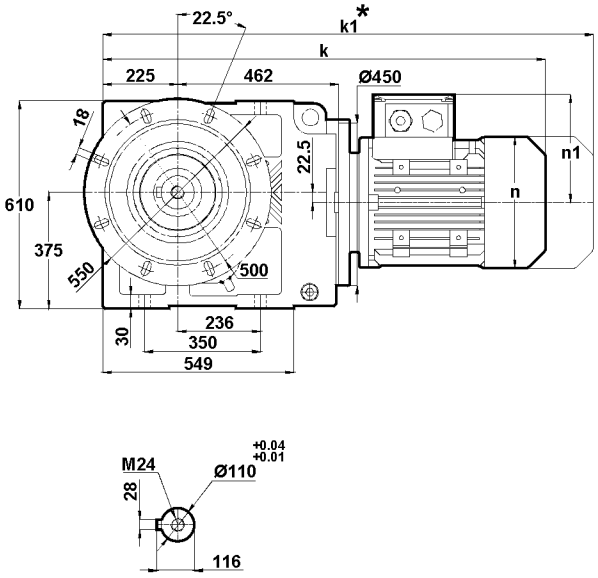
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

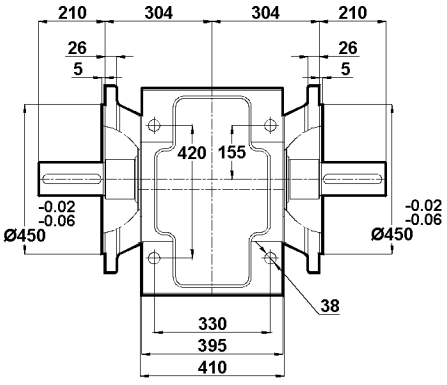
Terminal Box Positions
Klemmkasten Positionen



132-160-180-200-225-250-280
Type / Typ

KR873.05





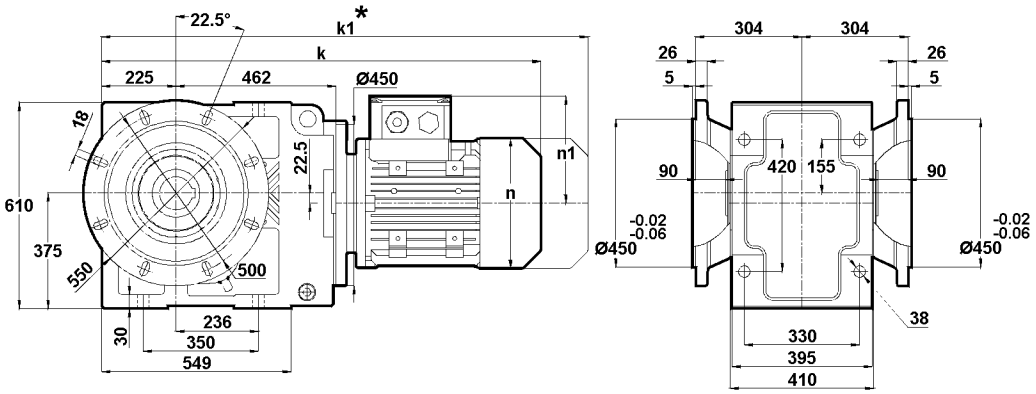
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

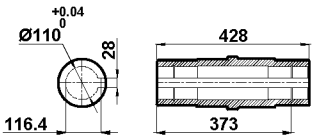
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

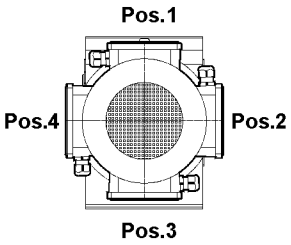
KR873.08





	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1187.5	1187.5	1259.5	1259.5	1305.5	1335	1360	1450.5	1512.5	1512.5
k1	1335.5	1335.5	1418	1418	1492	1500	1525	1621	1685.5	1691.5
n	316	316	348	348	396	438	438	481	547	547
n1	224	224	250	250	287	316	316	335	402	402

Terminal Box Positions
Klemmkasten Positionen



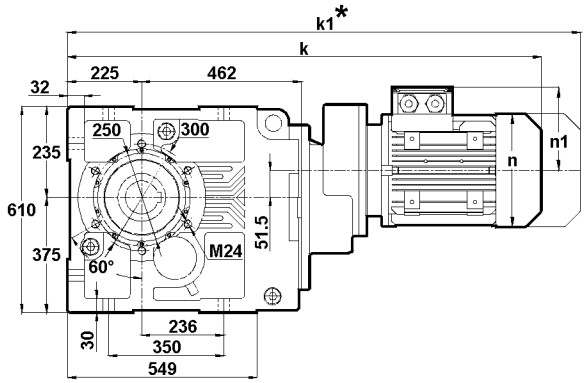
132-160-180-200-225-250-280
Type / Typ

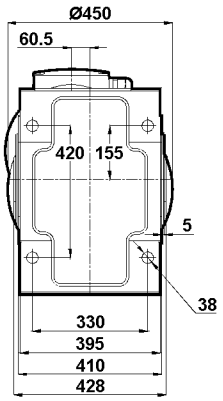
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

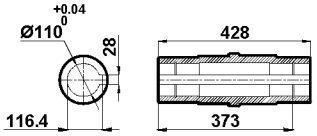
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR874.00

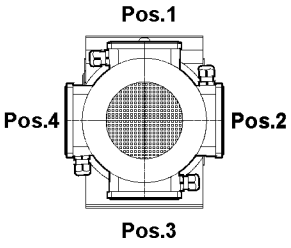






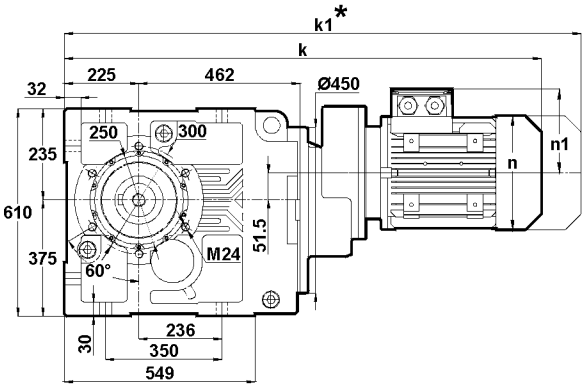
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

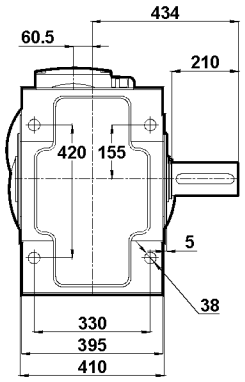
Terminal Box Positions
Klemmkasten Positionen

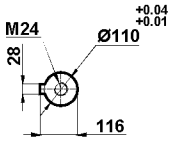


100-112-132-160-180
Type / Typ

KR874.01





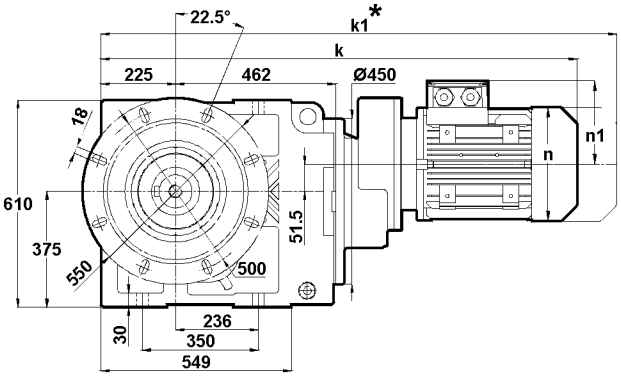


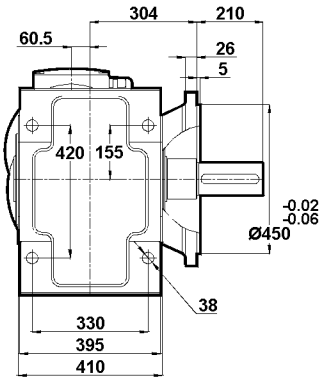
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

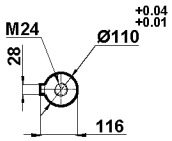
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR874.02

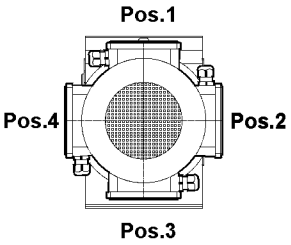






	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

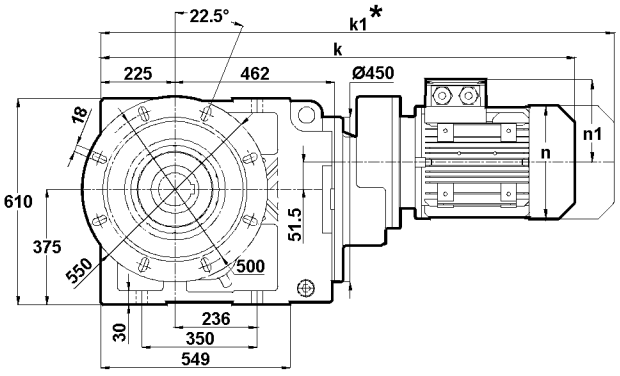
Terminal Box Positions
Klemmkasten Positionen

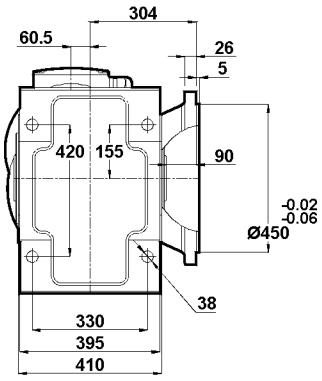


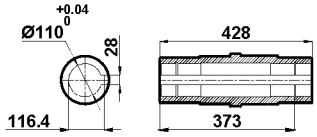
100-112-132-160-180
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR874.03



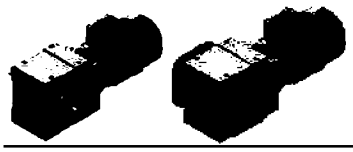




	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

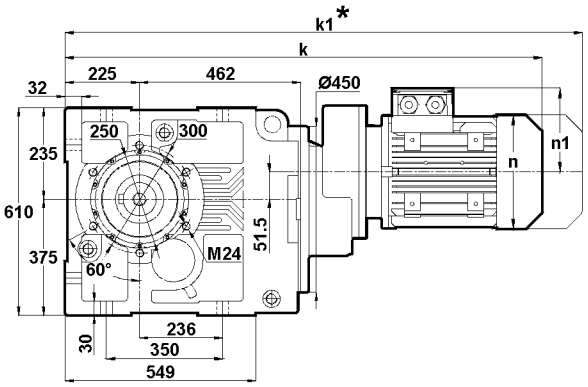
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

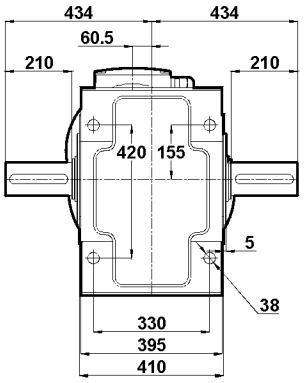
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

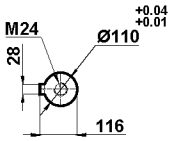


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR874.04

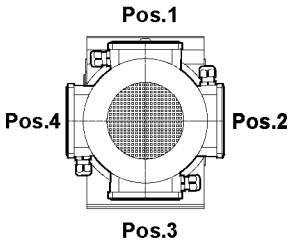






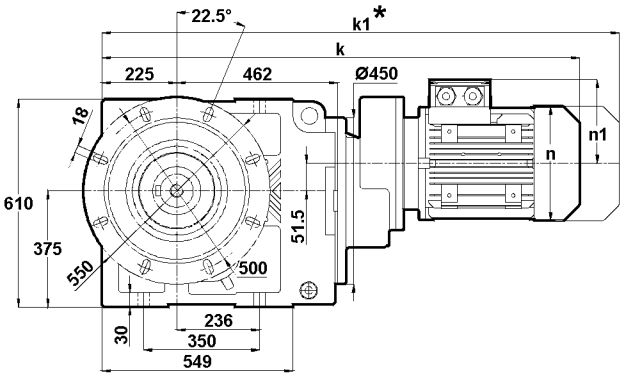
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

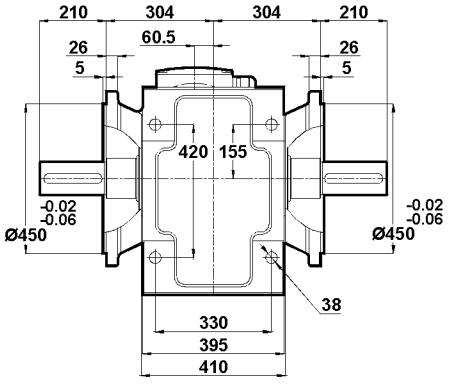
Terminal Box Positions
Klemmkasten Positionen

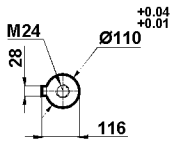


100-112-132-160-180
Type / Typ

KR874.05







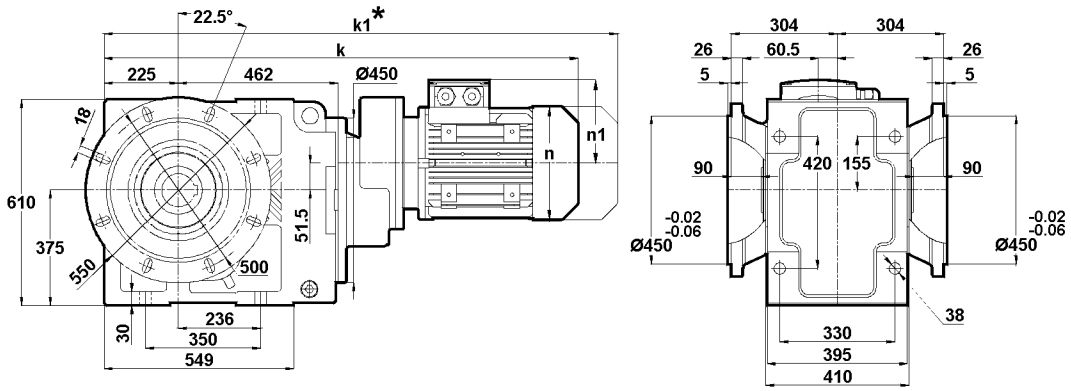
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

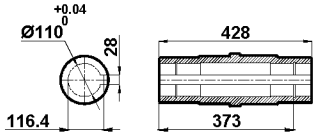
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

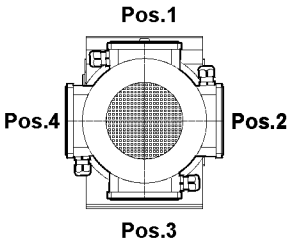
KR874.08





	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1233.5	1233.5	1329.5	1329.5	1401.5
k1	1231.5	1251.5	1363.5	1363.5	1477.5	1477.5	1560
n	193	215	257	257	316	316	348
n1	149	161	181	181	224	224	250

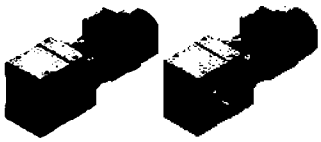
Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180
Type / Typ

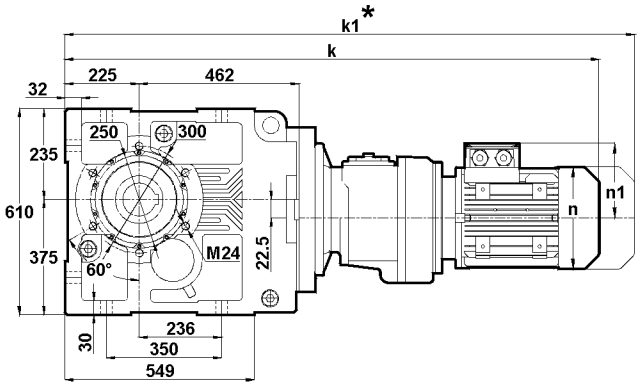
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

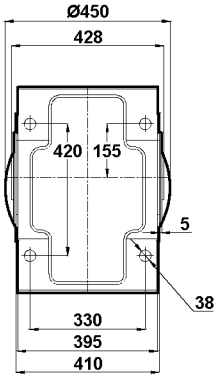
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

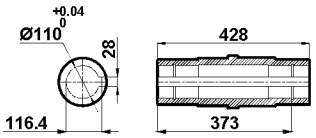


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR875.00
KR876.00

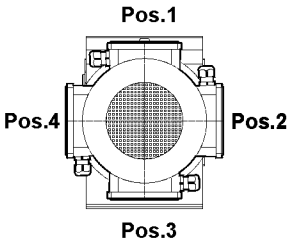






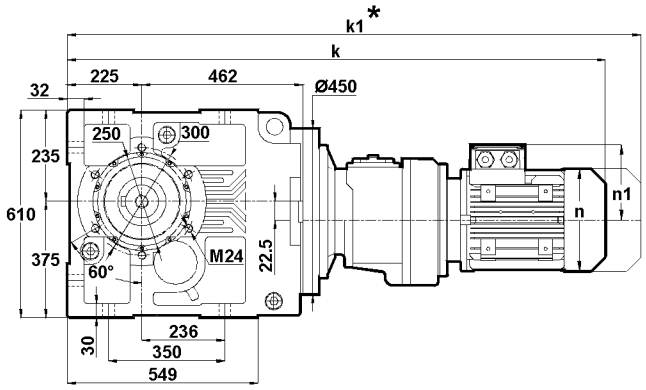
	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

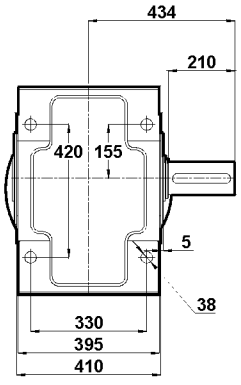
Terminal Box Positions
Klemmkasten Positionen

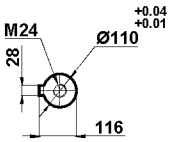


71-80-90-100-112-132
Type / Typ

KR875.01
KR876.01





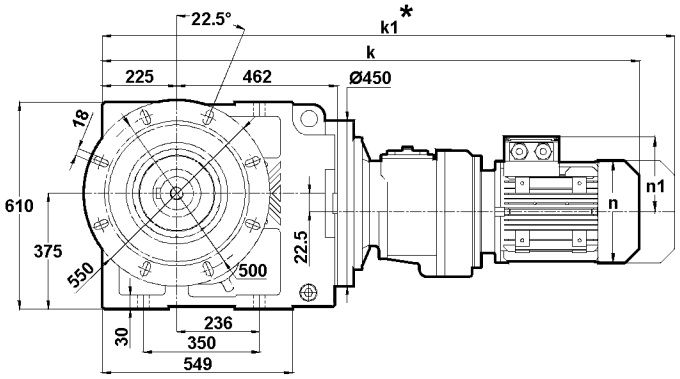


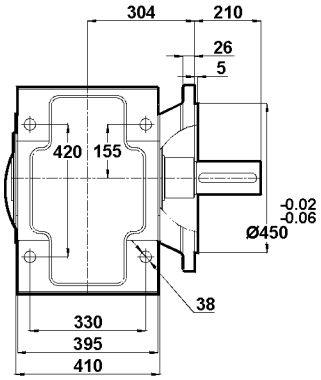
	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

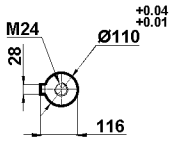
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

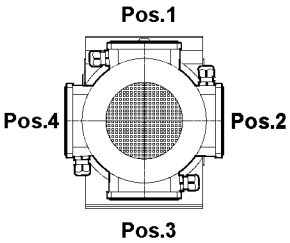
KR875.02
KR876.02







Terminal Box Positions
Klemmkasten Positionen

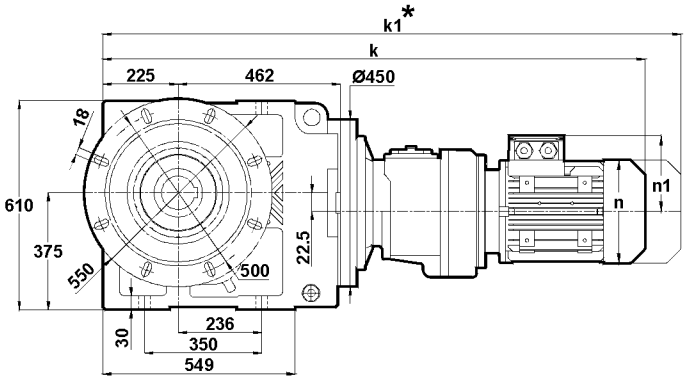


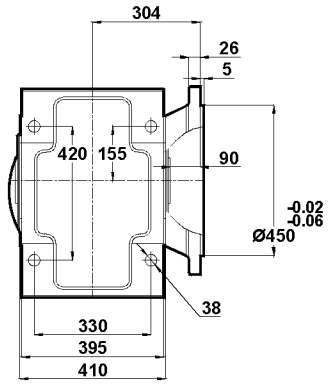
71-80-90-100-112-132
Type / Typ

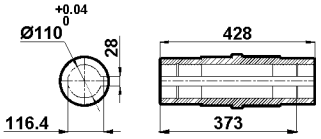
	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KR875.03
KR876.03



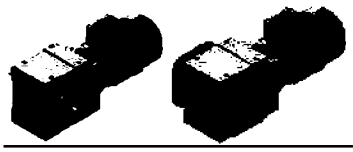




	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

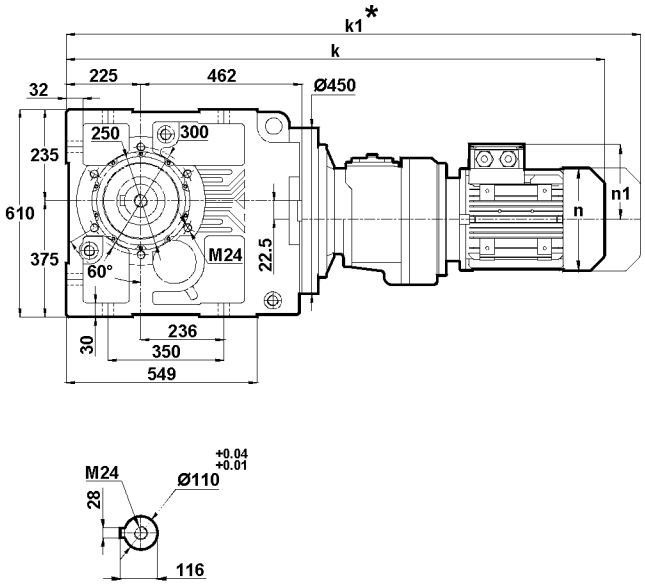
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

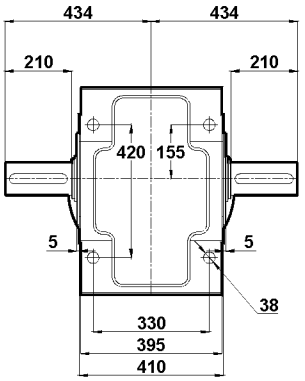
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

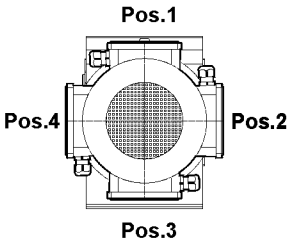
KR875.04
KR876.04





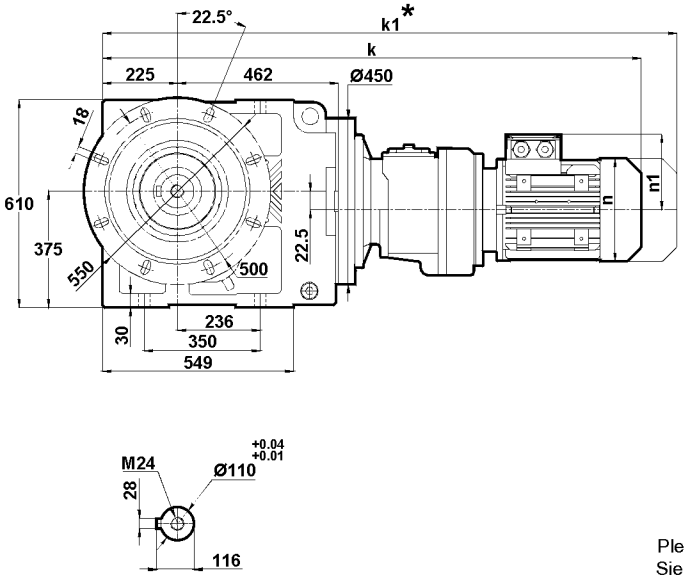
	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

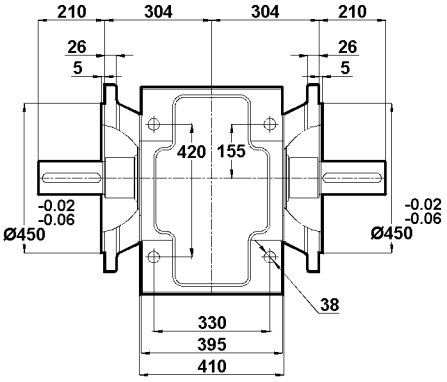
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112-132
Type / Typ

KR875.05
KR876.05





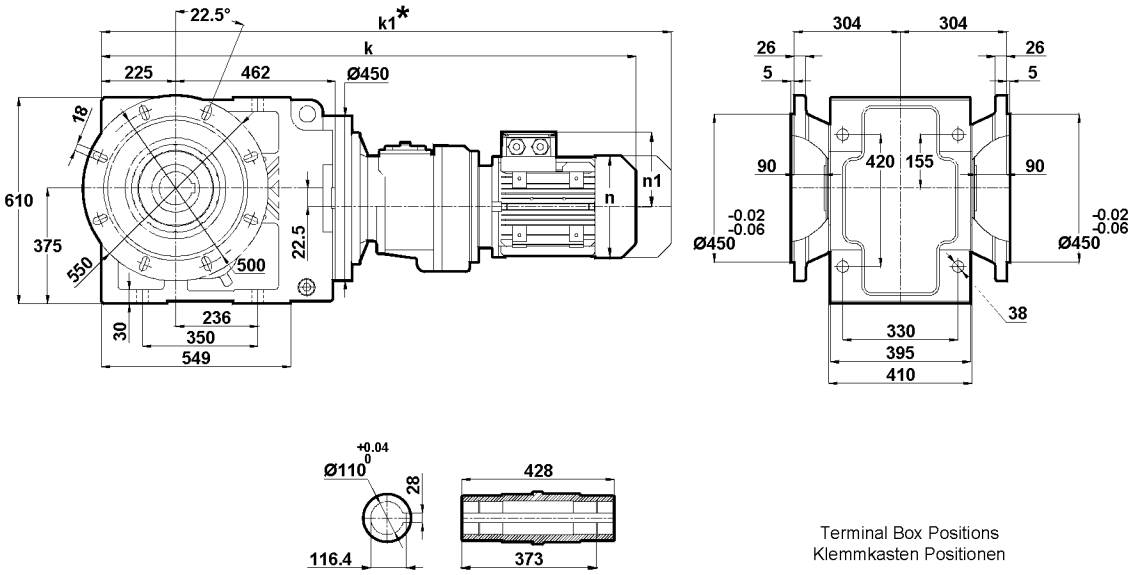
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

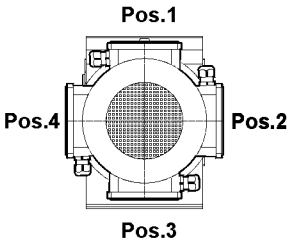
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR875.08
KR876.08



	71	80	90S	90L	100L	112M
k	1141.5	1175.5	1214.5	1214.5	1262.5	1286.5
k1	1232.5	1268.5	1318	1318	1371	1391
n	137	155	176	176	193	215
n1	112	123	132	132	149	161

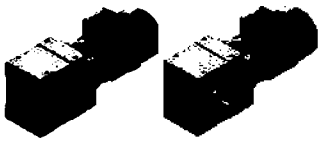
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112-132
Type / Typ

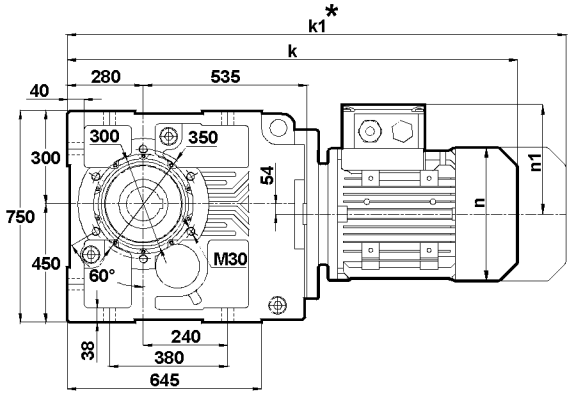
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

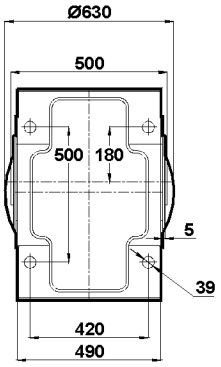
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

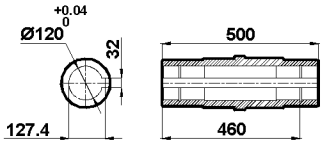


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR973.00

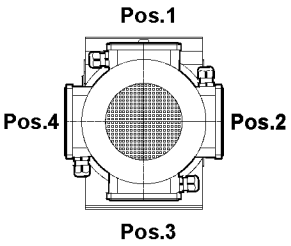






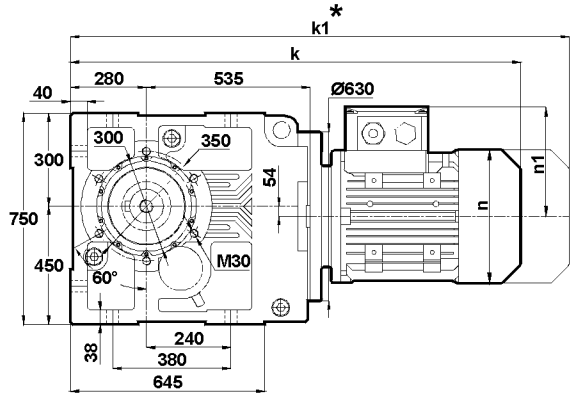
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

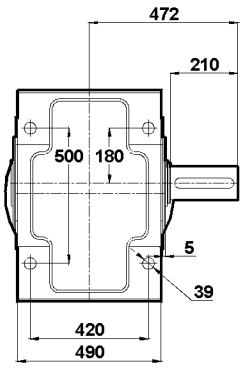
Terminal Box Positions
Klemmkasten Positionen

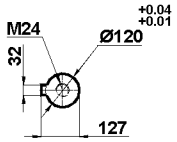


160-180-200-225-250-280-315
Type / Typ

KR973.01





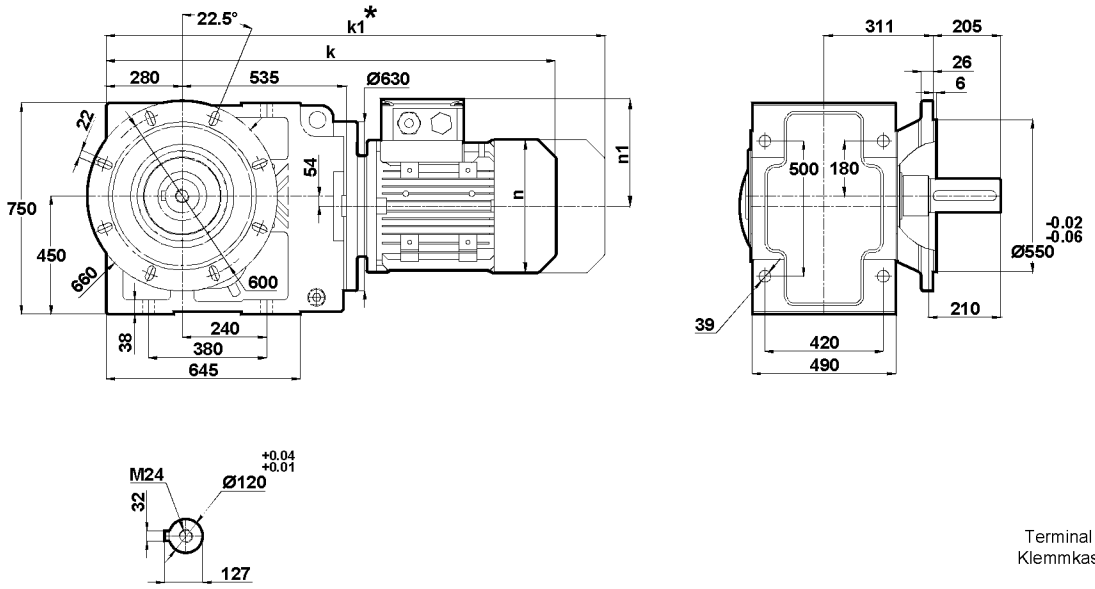


	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

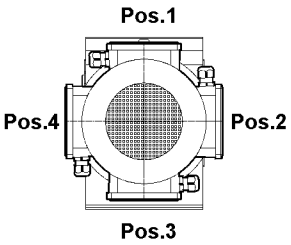
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR973.02



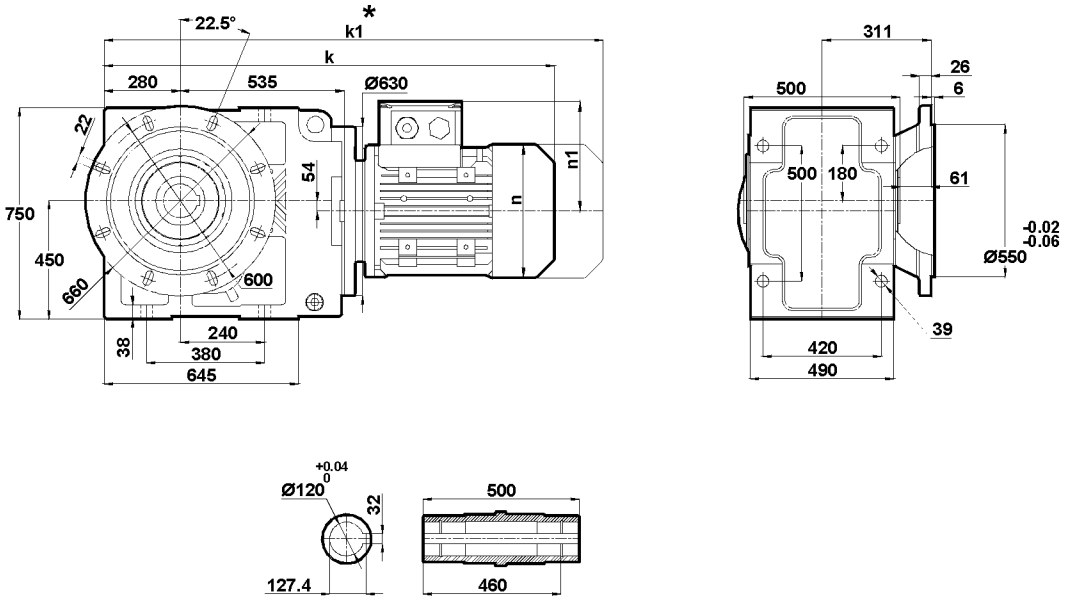
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

Terminal Box Positions
Klemmkasten Positionen



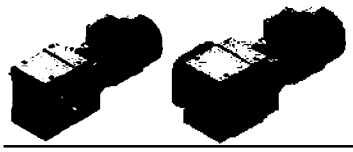
160-180-200-225-250-280-315
Type / Typ

KR973.03



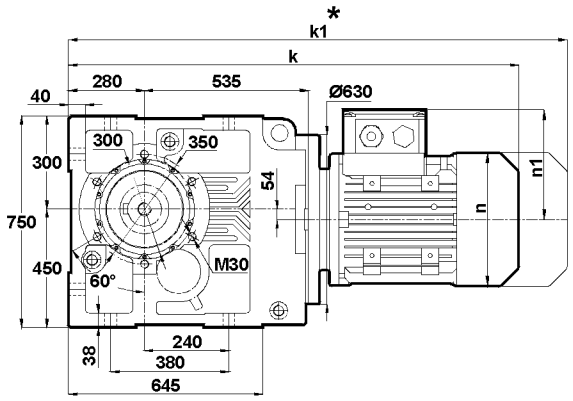
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

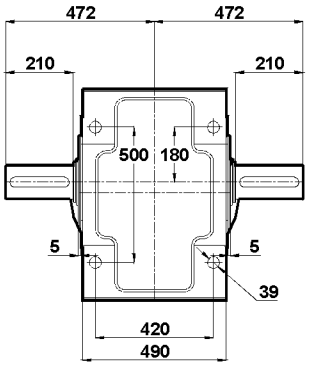
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

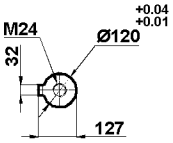


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR973.04

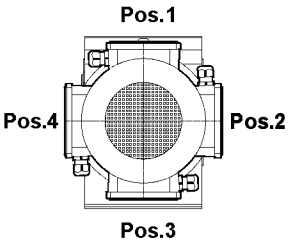






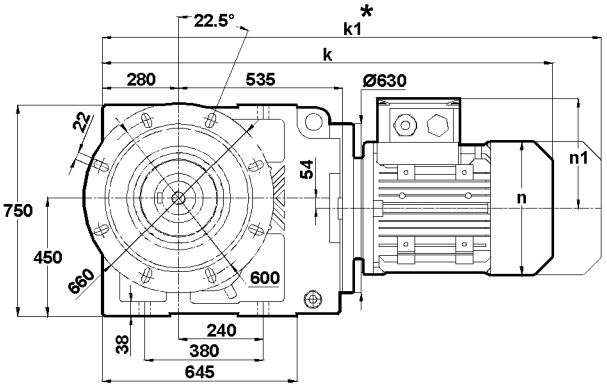
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

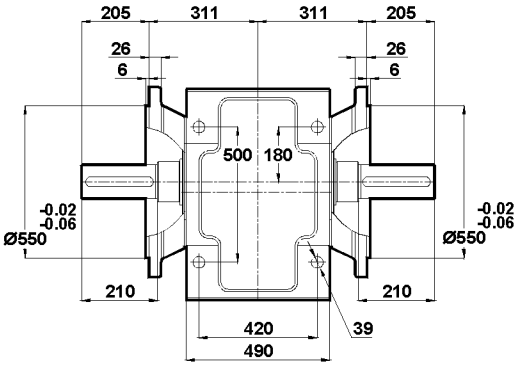
Terminal Box Positions
Klemmkasten Positionen

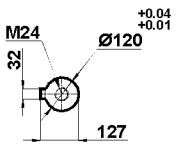


160-180-200-225-250-280-315
Type / Typ

KR973.05





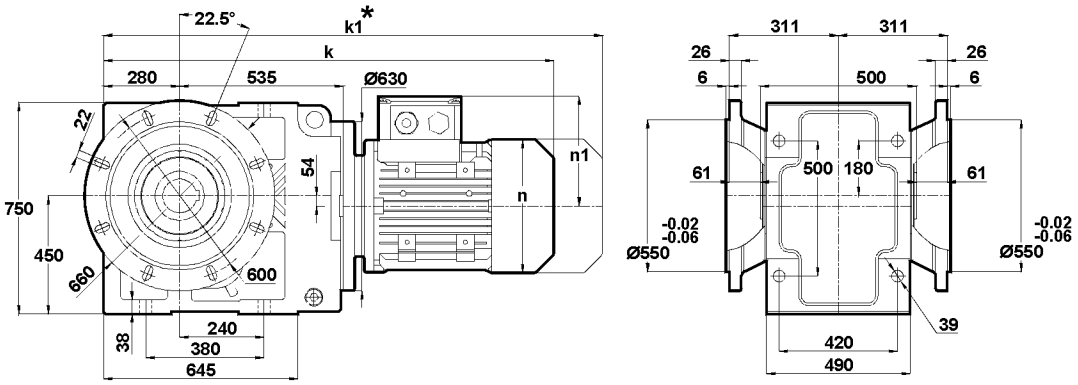


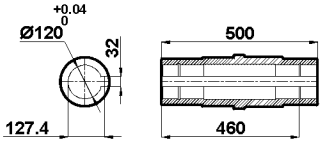
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

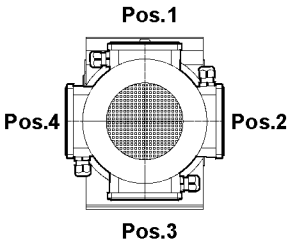
KR973.08





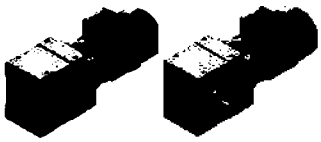
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M	315S	315M
k	1307.5	1307.5	1379.5	1379.5	1432	1490	1490	1571.5	1665	1665	1773.5	1773.5
k1	1455.5	1455.5	1538	1538	1614	1672.5	1672.5	1729	1863	1863	-	-
n	316	316	348	348	396	438	438	481	547	547	614	614
n1	224	224	250	250	287	316	316	335	402	402	510	510

Terminal Box Positions
Klemmkasten Positionen



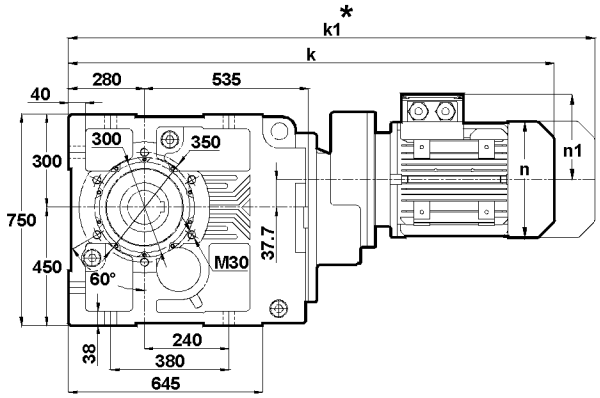
160-180-200-225-250-280-315
Type / Typ

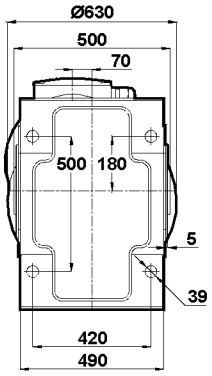
** Dimension "k1" is for motors with brake.*
** "k1" Ölçüsü frenli redüktörlere aittir.*
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsmotoren.
Maße " k1 " ist für Bremsenmotoren.

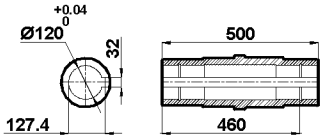


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR974.00

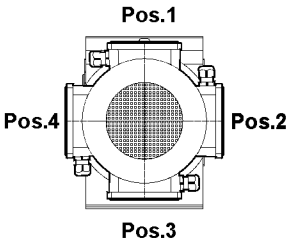






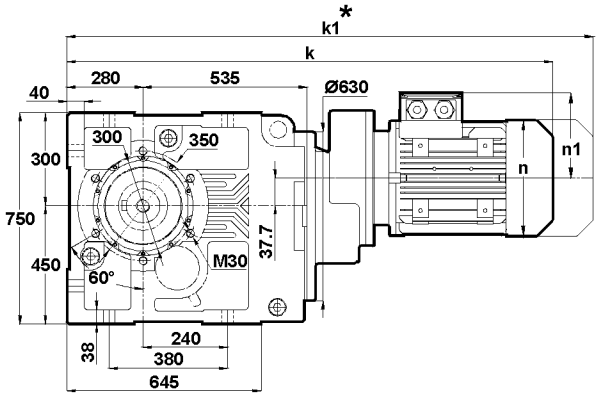
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

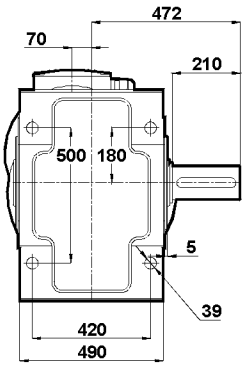
Terminal Box Positions
Klemmkasten Positionen

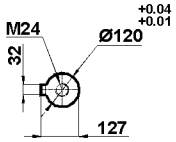


100-112-132-160-180
Type / Typ

KR974.01





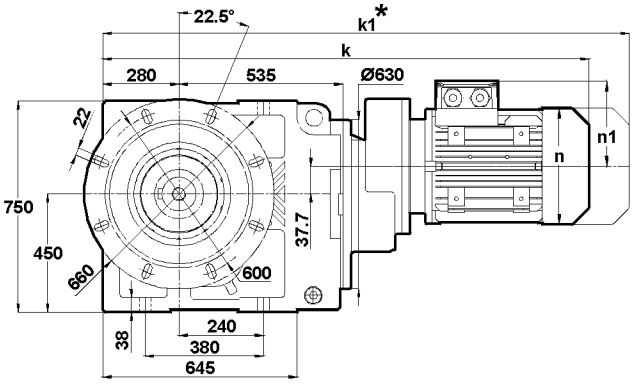


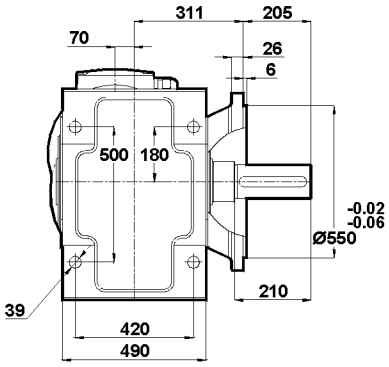
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

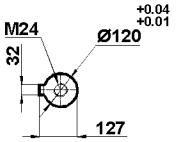
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR974.02

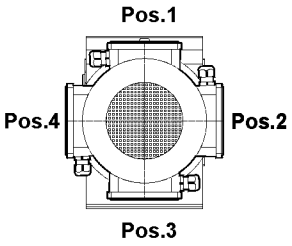






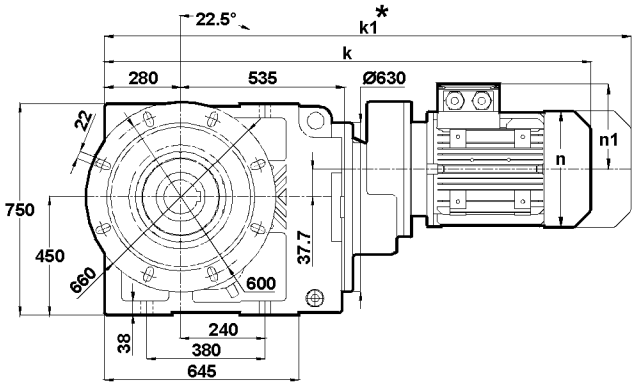
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

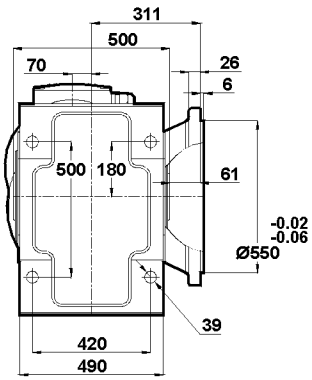
Terminal Box Positions
Klemmkasten Positionen

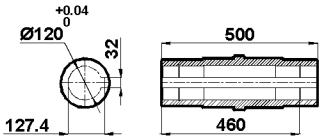


100-112-132-160-180
Type / Typ

KR974.03

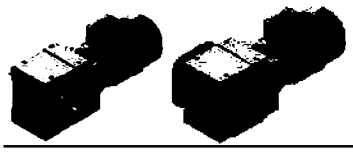






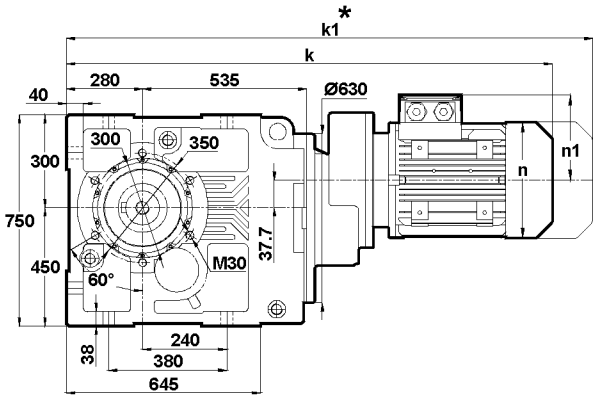
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

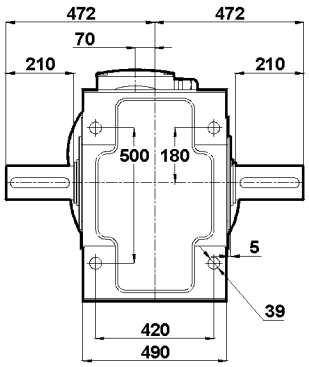
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

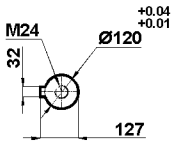


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR974.04

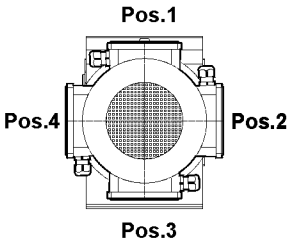






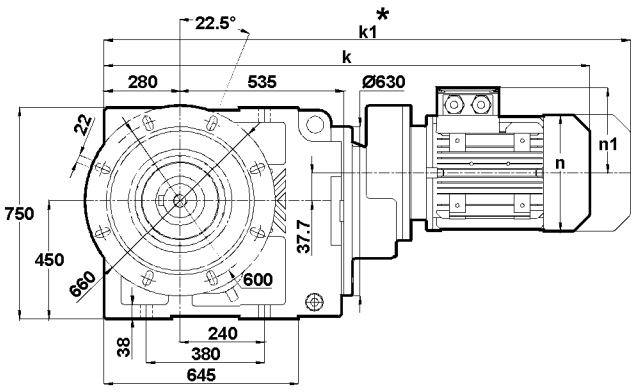
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

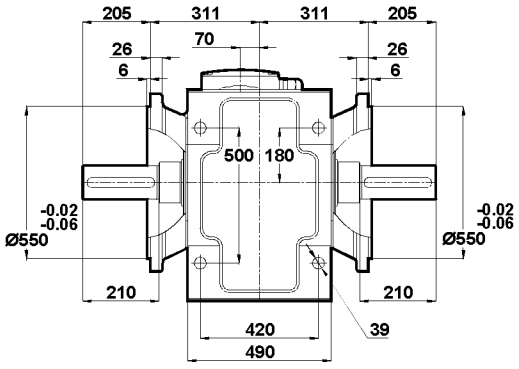
Terminal Box Positions
Klemmkasten Positionen

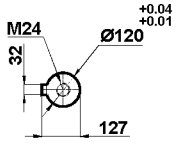


100-112-132-160-180
Type / Typ

KR974.05





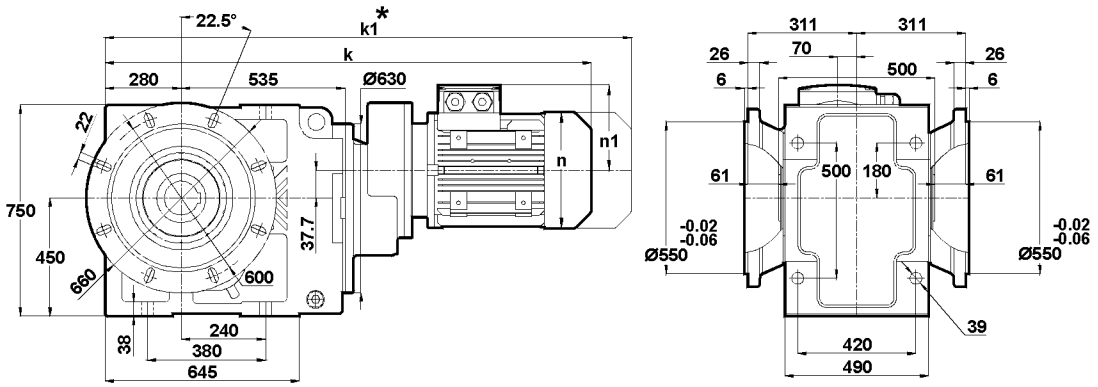


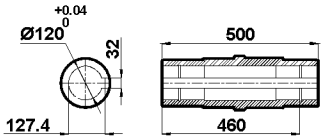
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

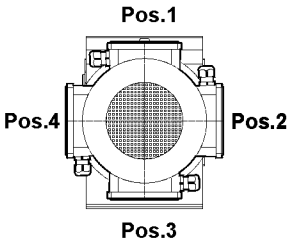
KR974.08





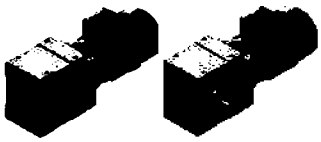
	100L	112M	132S	132M	160M	160L	180M	180L
k	1277	1301	1387.5	1387.5	1483.5	1483.5	1555.5	1555.5
k1	1385.5	1405.5	1517.5	1517.5	1631.5	1631.5	1714	1714
n	193	215	257	257	316	316	348	348
n1	149	161	181	181	224	224	250	250

Terminal Box Positions
Klemmkasten Positionen



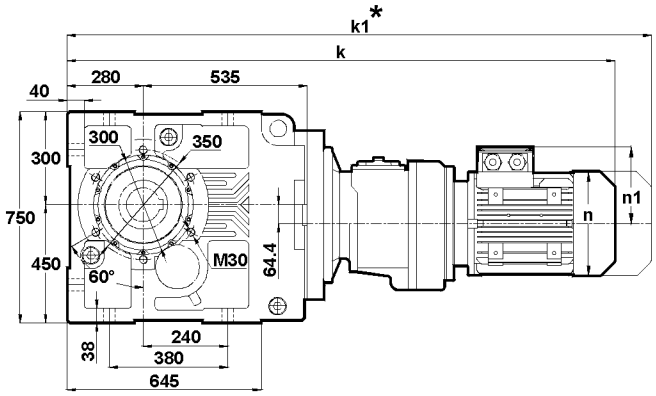
100-112-132-160-180
Type / Typ

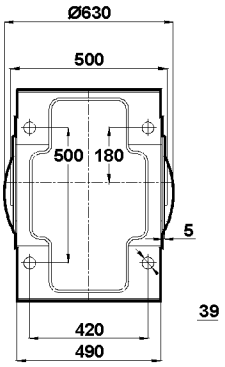
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

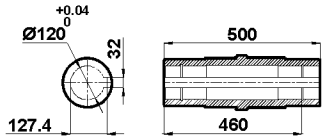


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR975.00
KR976.00

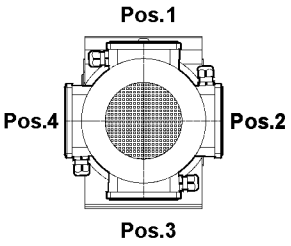






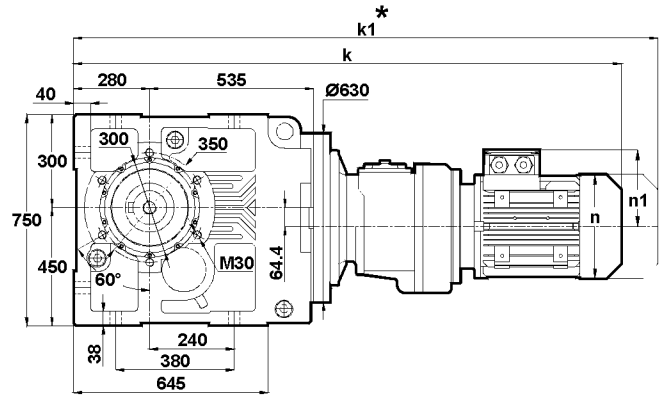
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

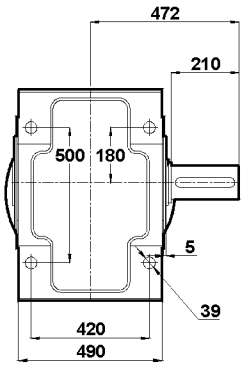
Terminal Box Positions
Klemmkasten Positionen

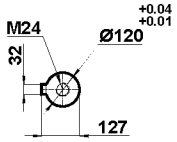


80-90-100-112-132
Type / Typ

KR975.01
KR976.01





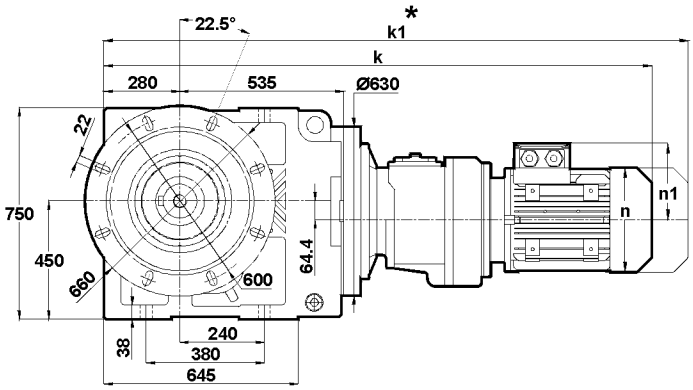


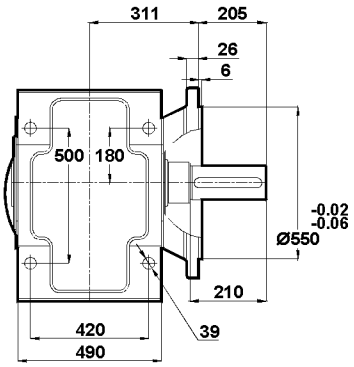
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

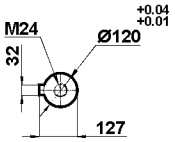
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR975.02
KR976.02

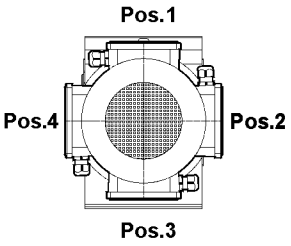






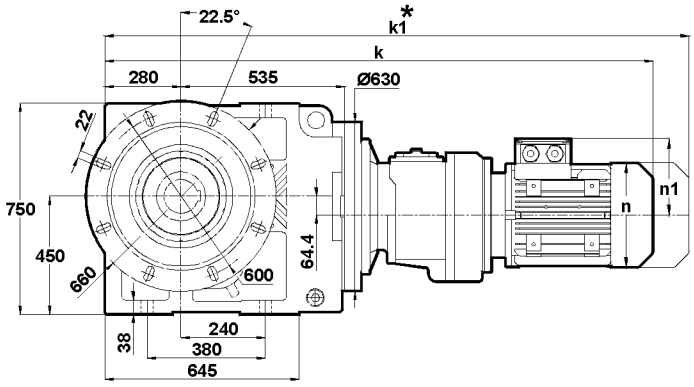
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

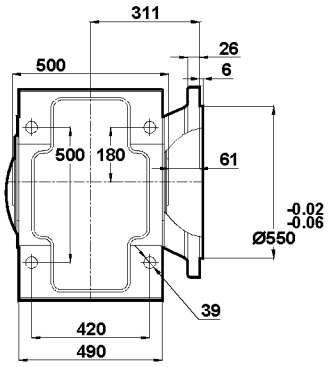
Terminal Box Positions
Klemmkasten Positionen

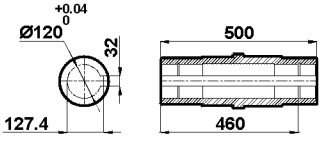


80-90-100-112-132
Type / Typ

KR975.03
KR976.03

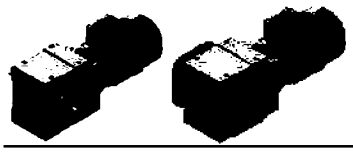






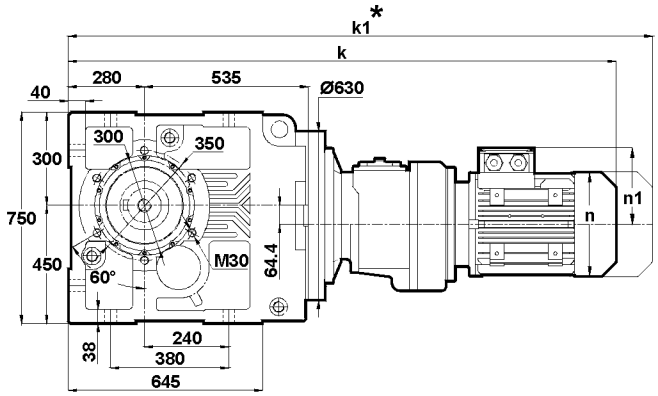
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

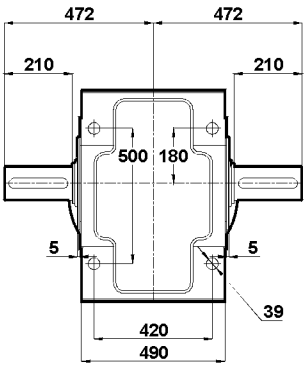
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

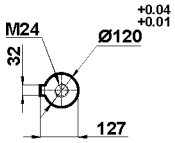


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR975.04
KR976.04

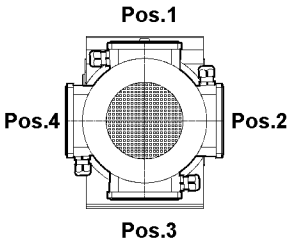






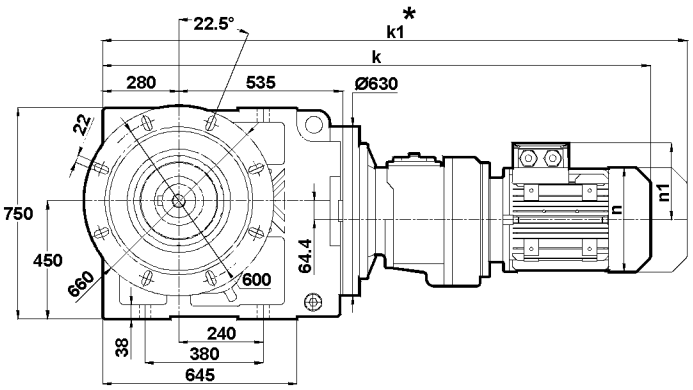
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

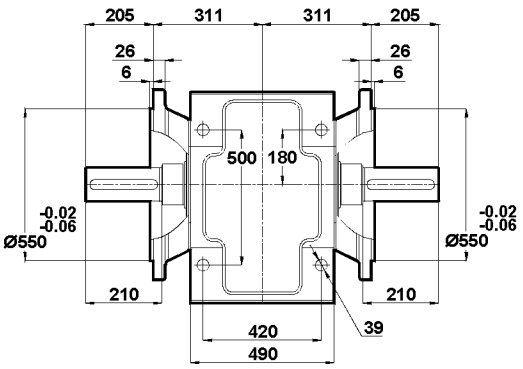
Terminal Box Positions
Klemmkasten Positionen

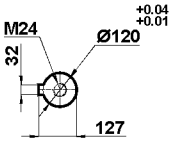


80-90-100-112-132
Type / Typ

KR975.05
KR976.05





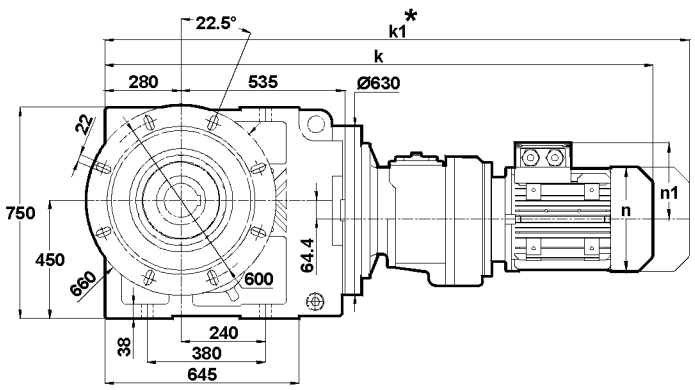


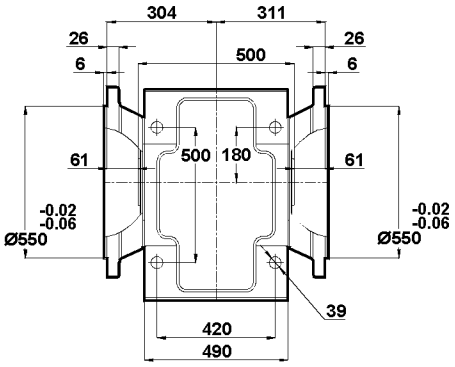
	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

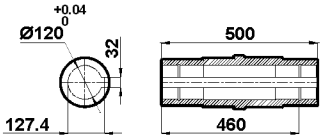
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KR975.08
KR976.08

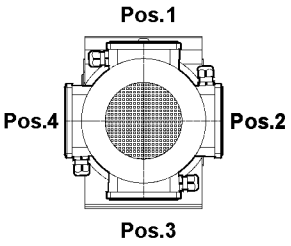






	80	90S	90L	100L	112M	132S	132M
k	1355.5	1394.5	1394.5	1439.5	1463.5	1548.5	1548.5
k1	1448.5	1498	1498	1548	1568	1678.5	1678.5
n	155	176	176	193	215	257	257
n1	123	132	132	149	161	181	181

Terminal Box Positions
Klemmkasten Positionen

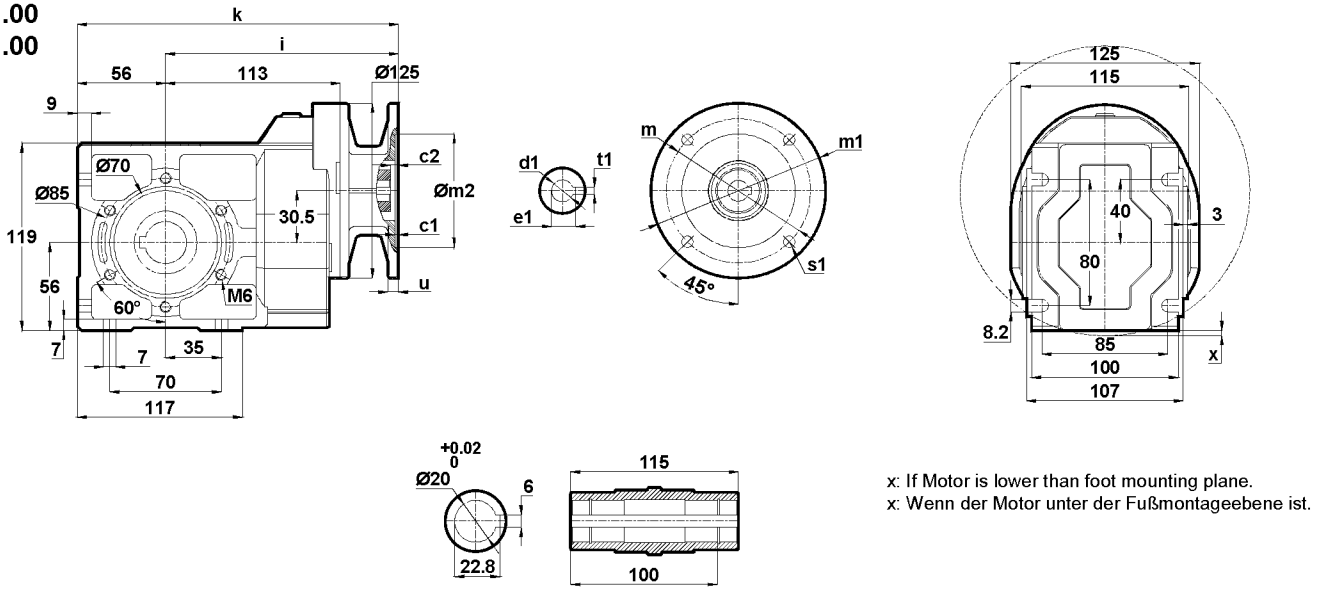


80-90-100-112-132
Type / Typ

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

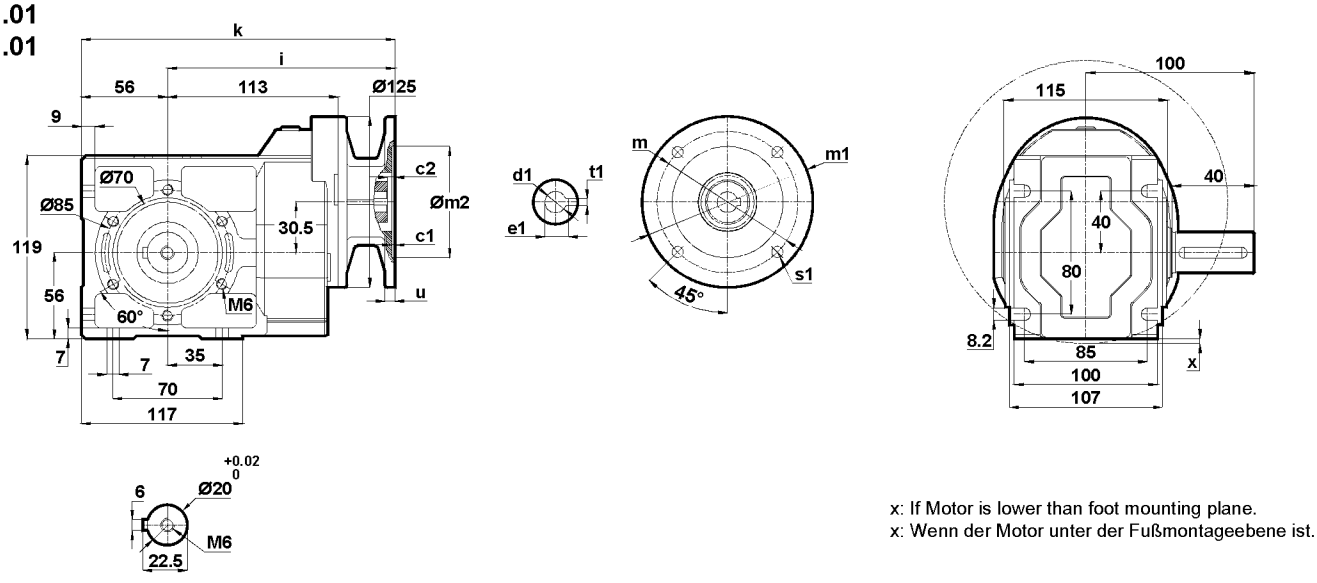
KN002.00
KN003.00



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	157.5	12 10	213.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	172.5	12	228.5	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	172.5	12	228.5	24	8	27.3	13.5 -

KN002.01
KN003.01

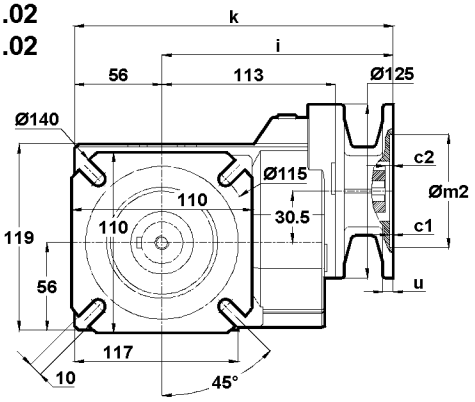


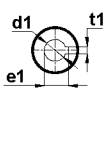
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

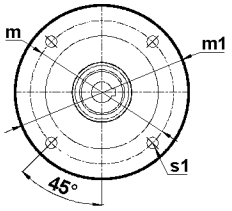
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	157.5	12 10	213.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	172.5	12	228.5	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	172.5	12	228.5	24	8	27.3	13.5 -

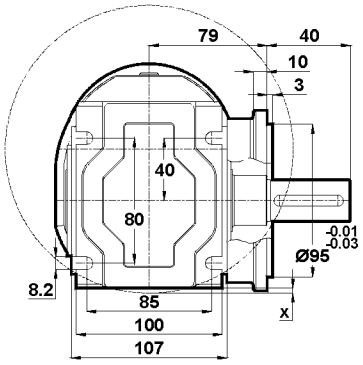
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN002.02
KN003.02



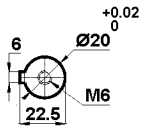






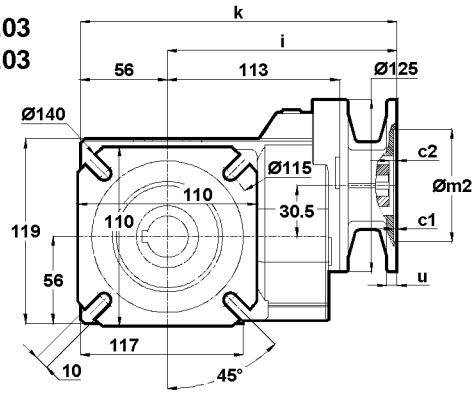
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

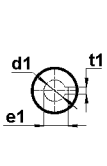
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

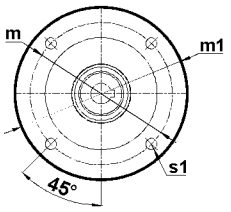


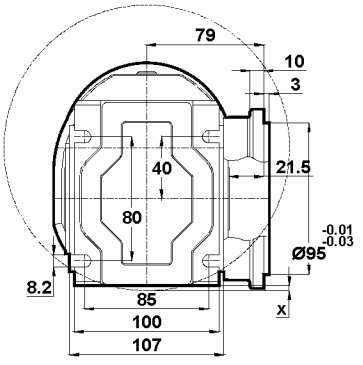
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	157.5	12 10	213.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	172.5	12	228.5	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	172.5	12	228.5	24	8	27.3	13.5 -

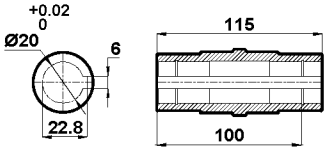
KN002.03
KN003.03











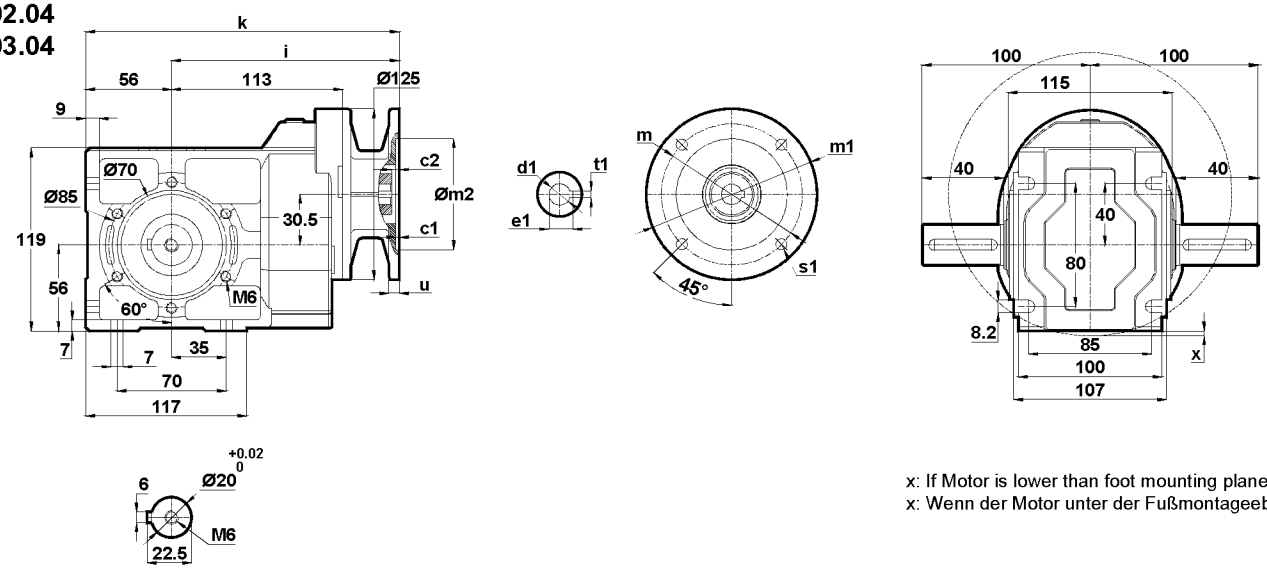
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	157.5	12 10	213.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	172.5	12	228.5	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	172.5	12	228.5	24	8	27.3	13.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

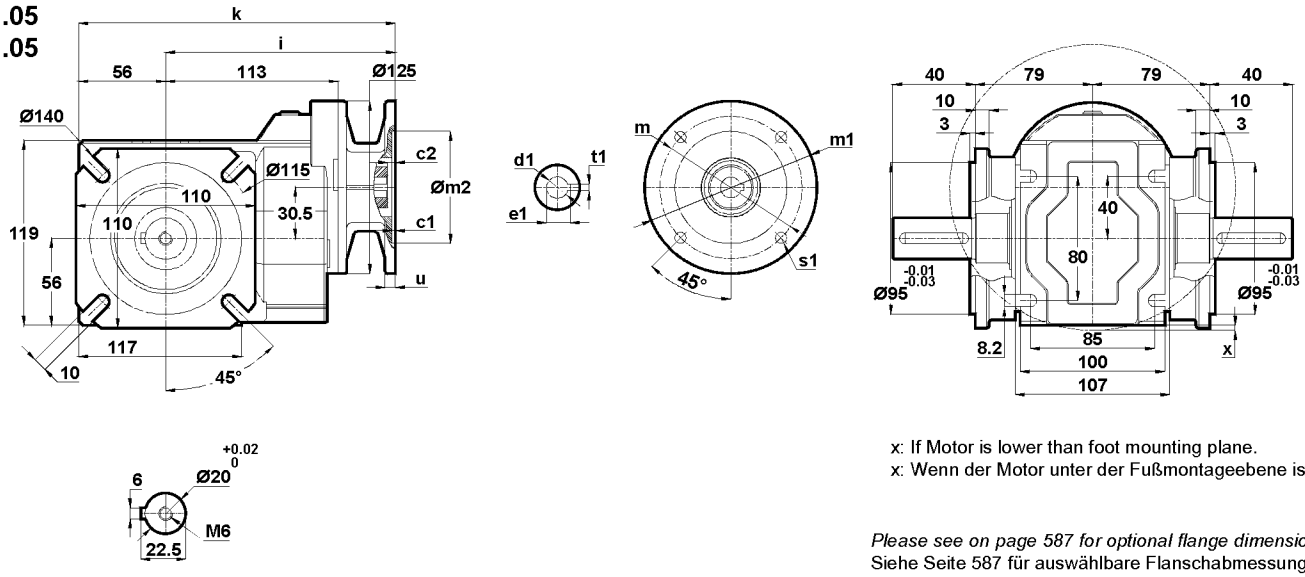
KN002.04
KN003.04



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	10	115	140	95	156	10	212	11	4	12.8	-
63/B14	2.5		5.5	75	90	60							
71/B5	4	4.5	11	130	160	110	157.5	12	213.5	14	5	16.3	-
71/B14	3		7	85	105	70		10					
80/B5	4	5	12	165	200	130	172.5	12	228.5	19	6	21.8	13.5
80/B14			7	100	120	80							-
90/B5	4	5	12	165	200	130	172.5	12	228.5	24	8	27.3	13.5
90/B14			9	115	140	95							-

KN002.05
KN003.05



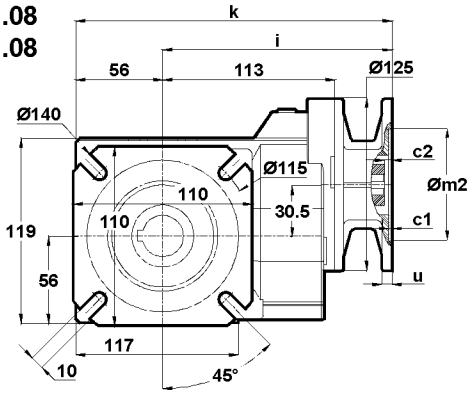
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

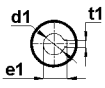
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

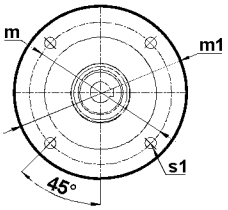
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	10	115	140	95	156	10	212	11	4	12.8	-
63/B14	2.5		5.5	75	90	60							
71/B5	4	4.5	11	130	160	110	157.5	12	213.5	14	5	16.3	-
71/B14	3		7	85	105	70		10					
80/B5	4	5	12	165	200	130	172.5	12	228.5	19	6	21.8	13.5
80/B14			7	100	120	80							-
90/B5	4	5	12	165	200	130	172.5	12	228.5	24	8	27.3	13.5
90/B14			9	115	140	95							-

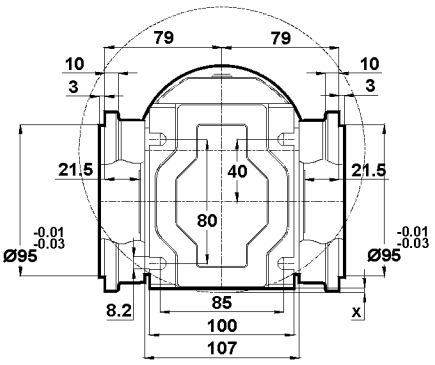
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN002.08
KN003.08

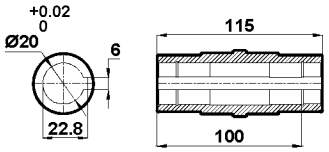








x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

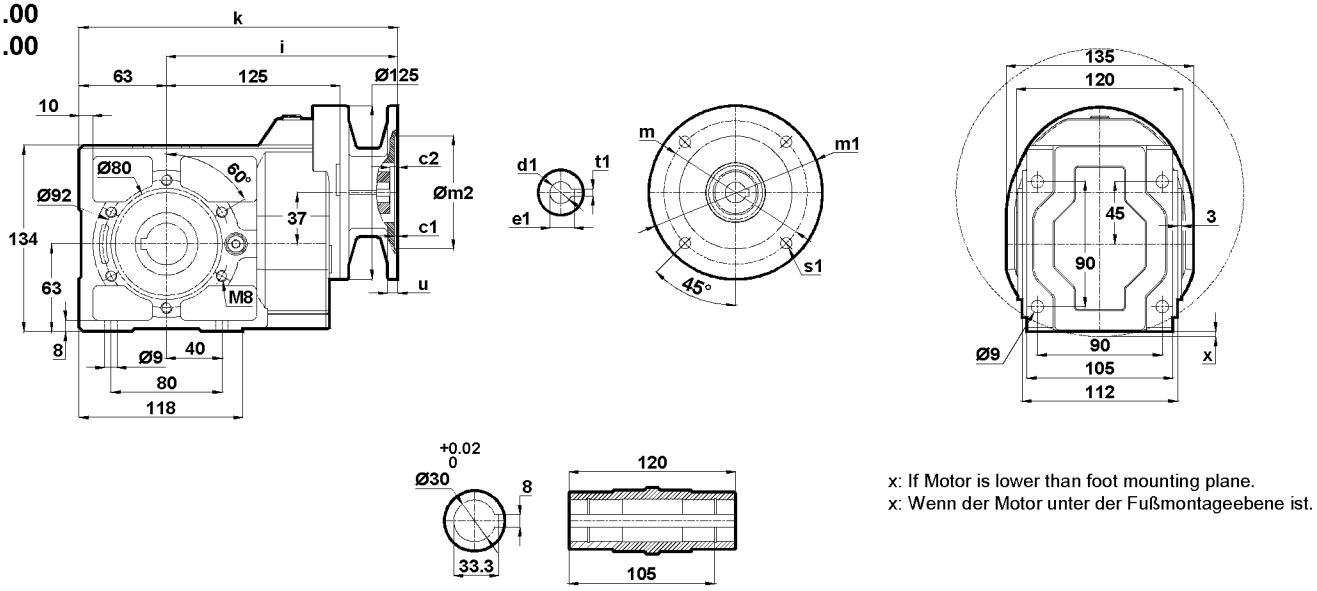


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	157.5	12 10	213.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	172.5	12	228.5	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	172.5	12	228.5	24	8	27.3	13.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

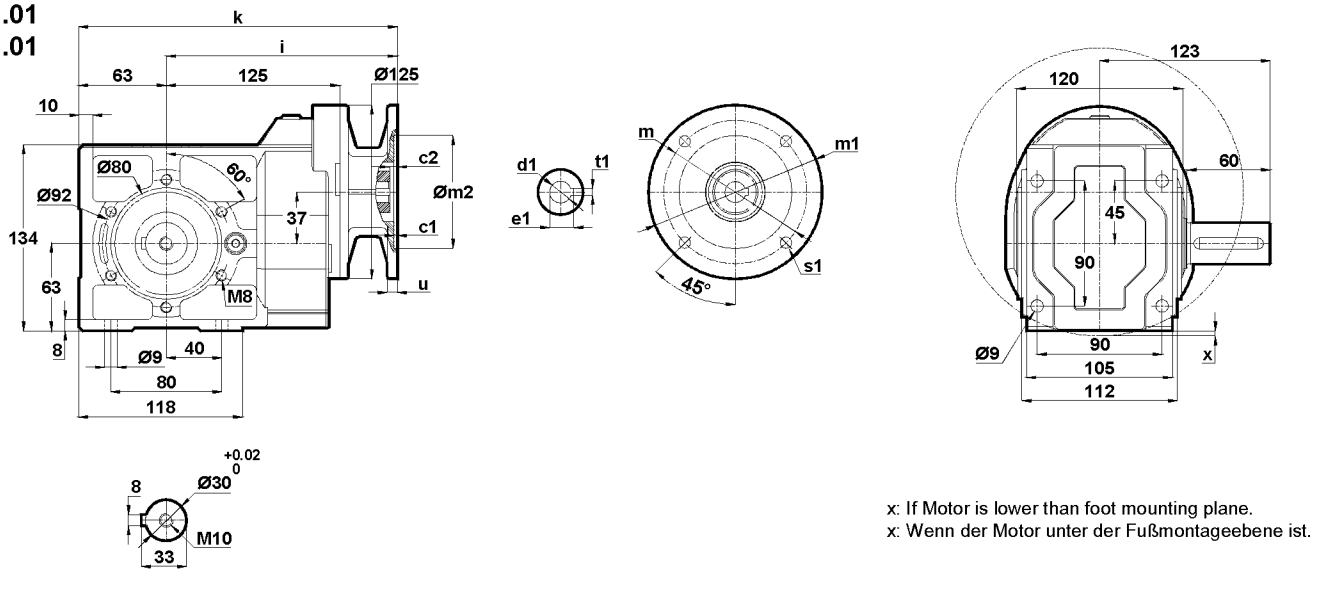
KN102.00
KN103.00



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

KN102.01
KN103.01

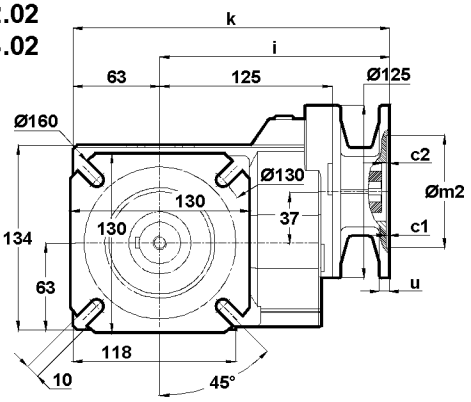


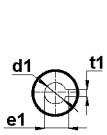
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

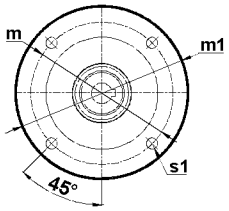
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

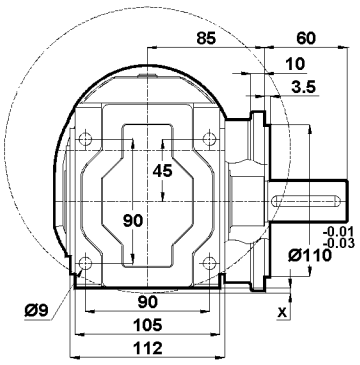
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

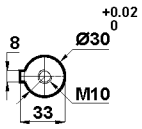
KN102.02
KN103.02









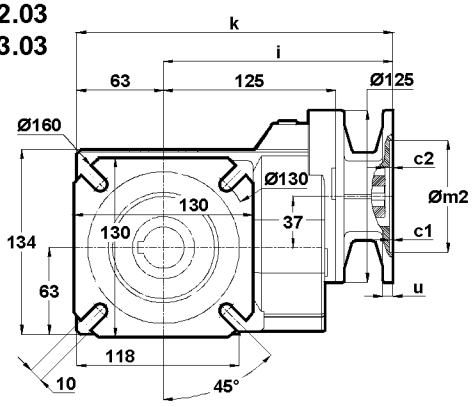


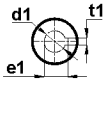
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

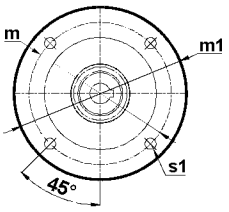
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

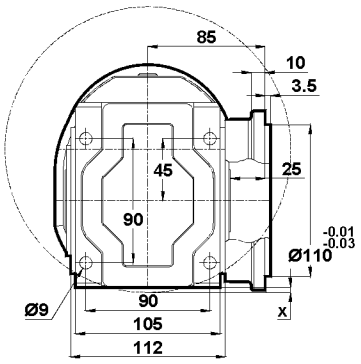
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

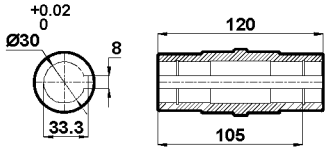
KN102.03
KN103.03











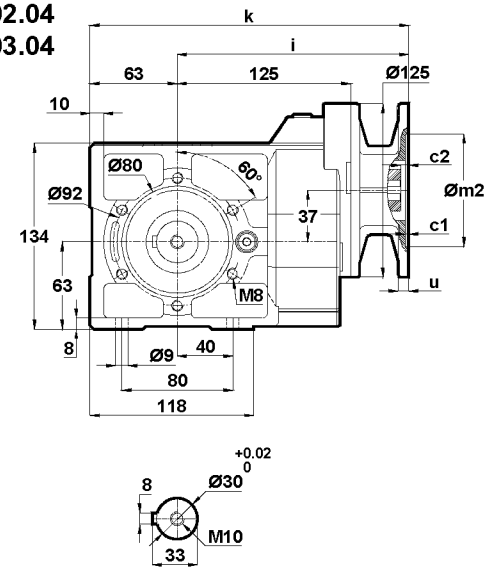
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

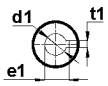
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

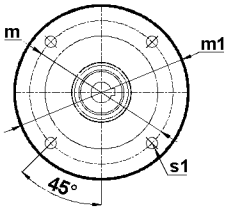
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

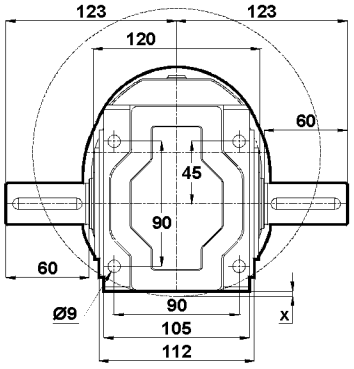
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN102.04
KN103.04





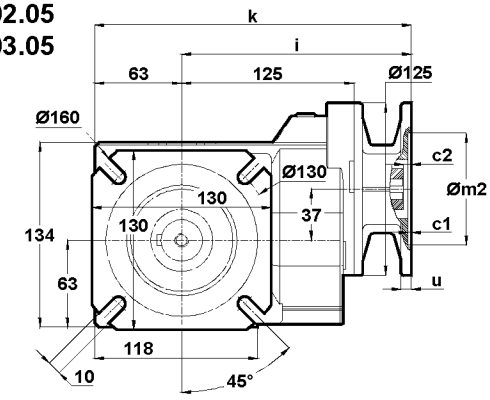


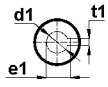


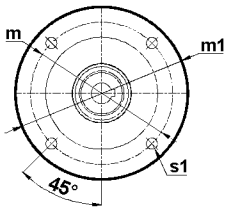
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

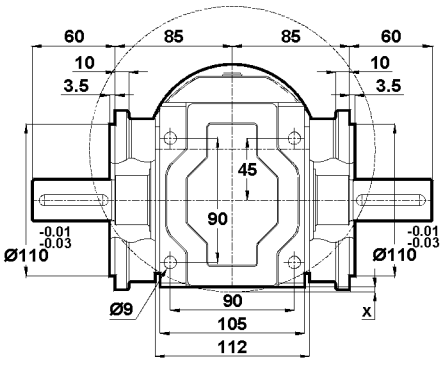
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

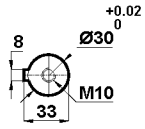
KN102.05
KN103.05











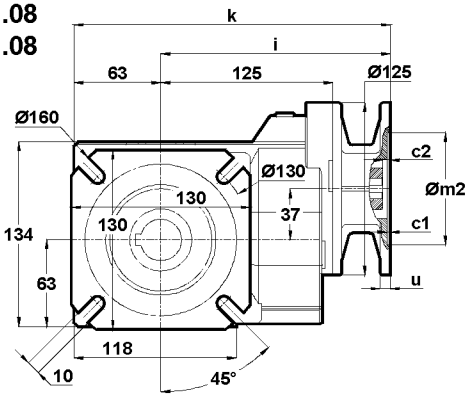
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

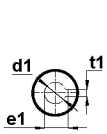
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

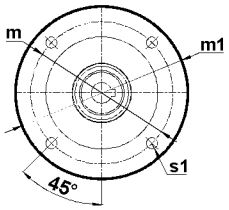
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

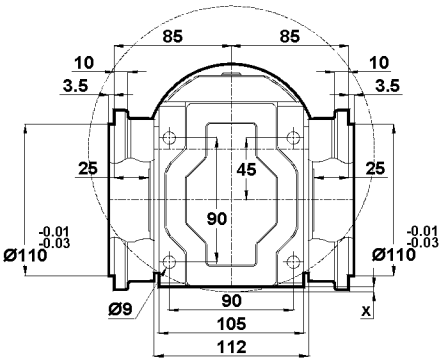
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN102.08
KN103.08

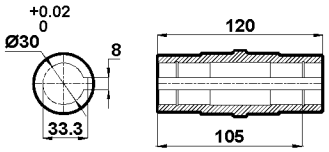








x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

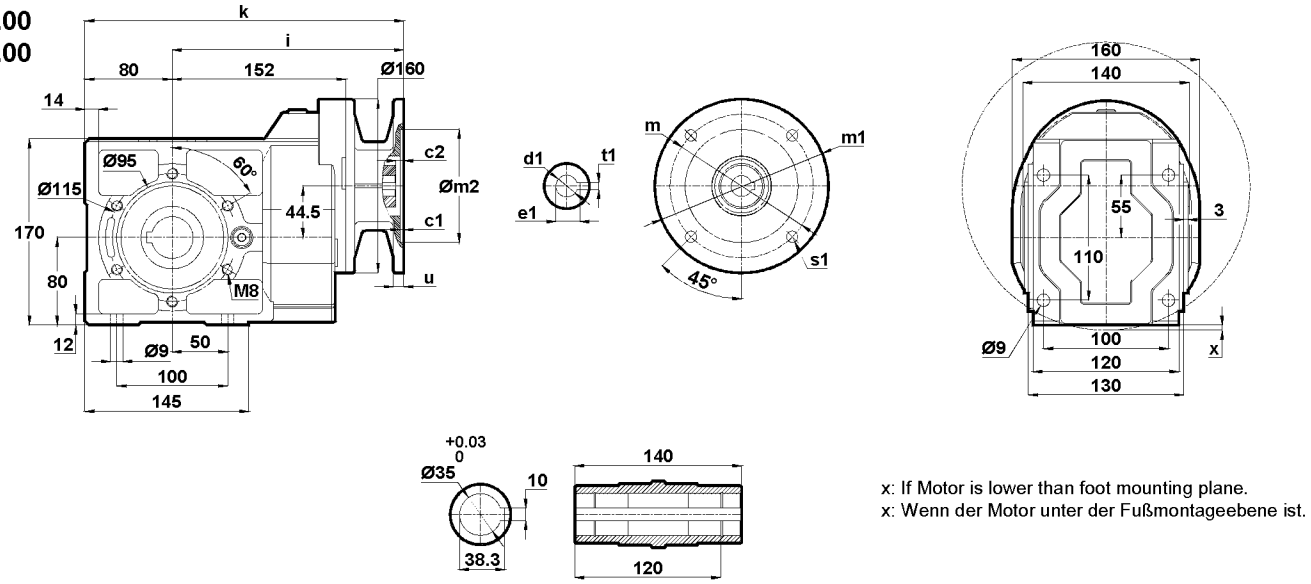


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	169.5	12 10	232.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	184.5	12	247.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	184.5	12	247.5	24	8	27.3	-

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

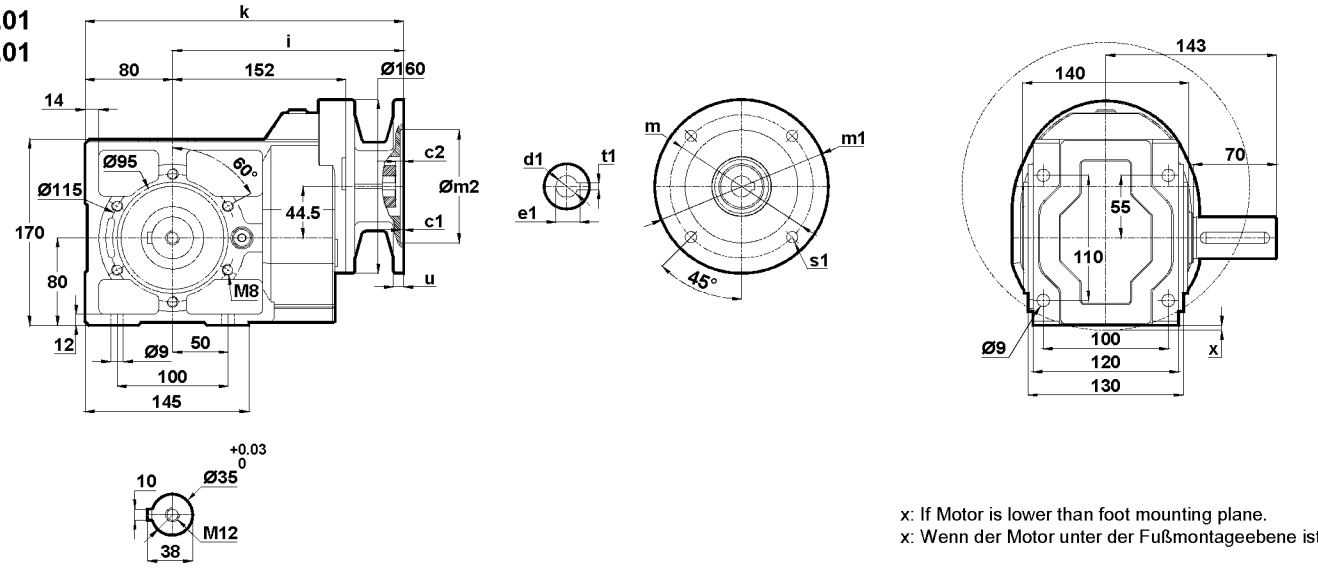
KN202.00
KN203.00



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

KN202.01
KN203.01

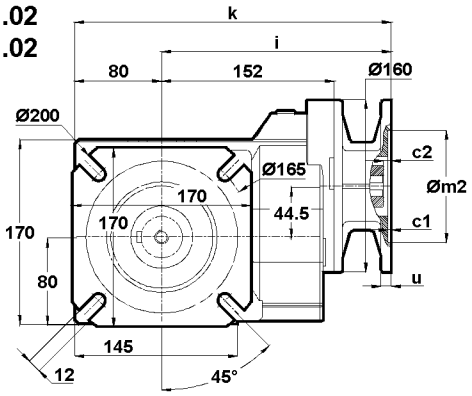


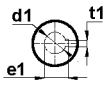
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

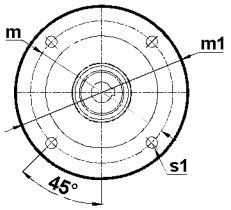
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

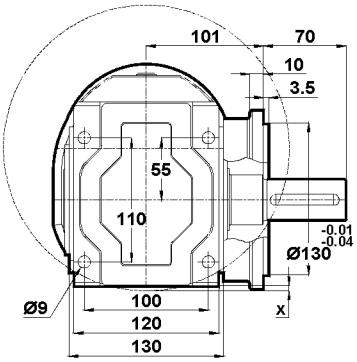
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN202.02
KN203.02

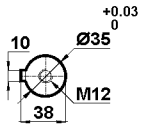








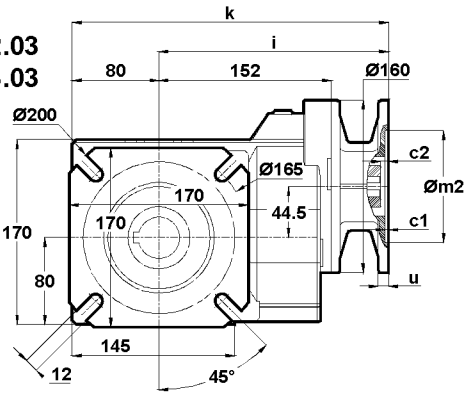
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

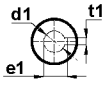


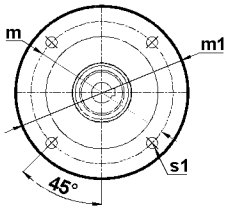
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

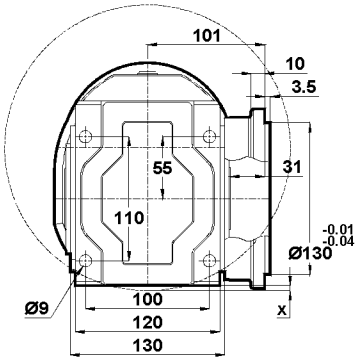
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

KN202.03
KN203.03

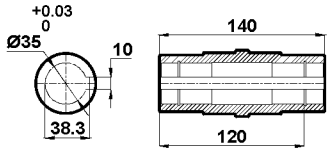








x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

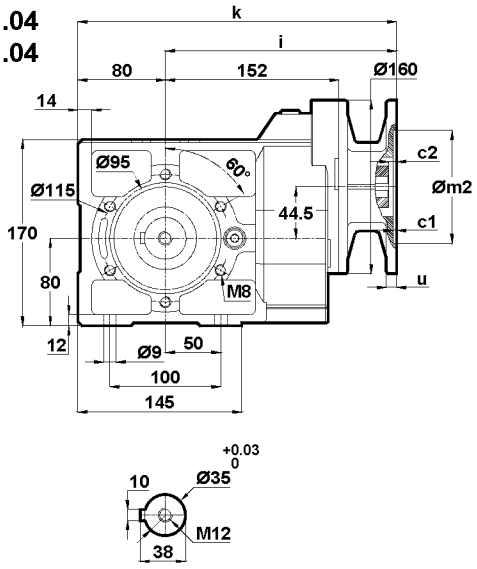


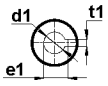
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

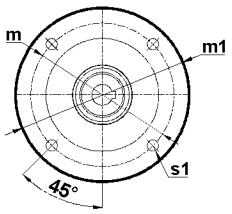
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

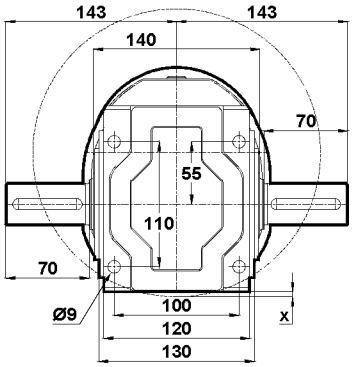
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN202.04
KN203.04





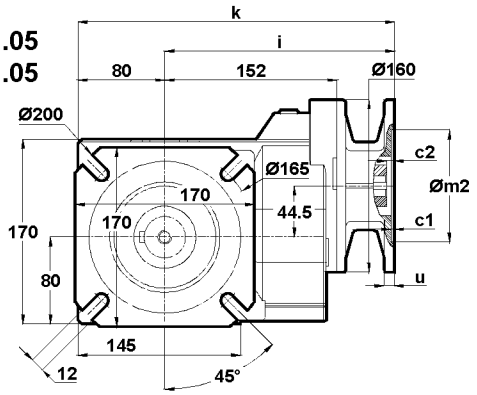


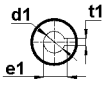


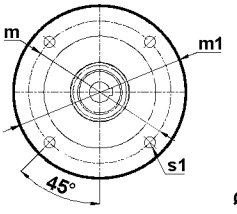
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

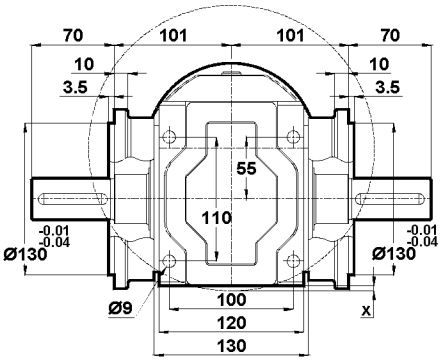
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

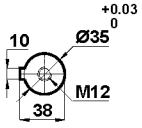
KN202.05
KN203.05











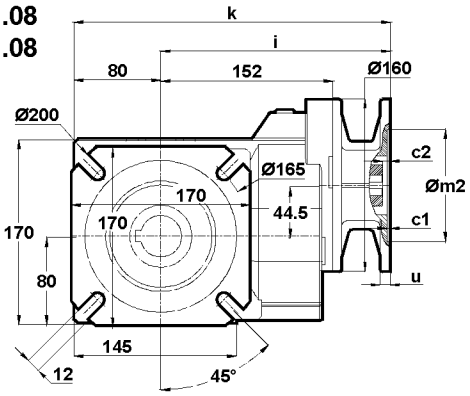
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

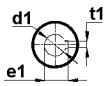
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

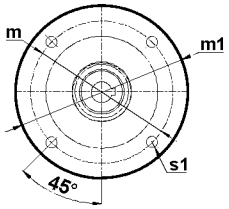
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

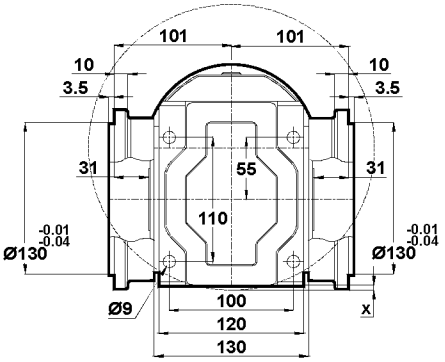
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN202.08
KN203.08

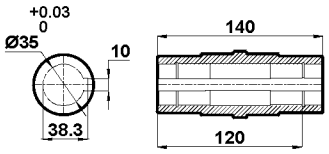








x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

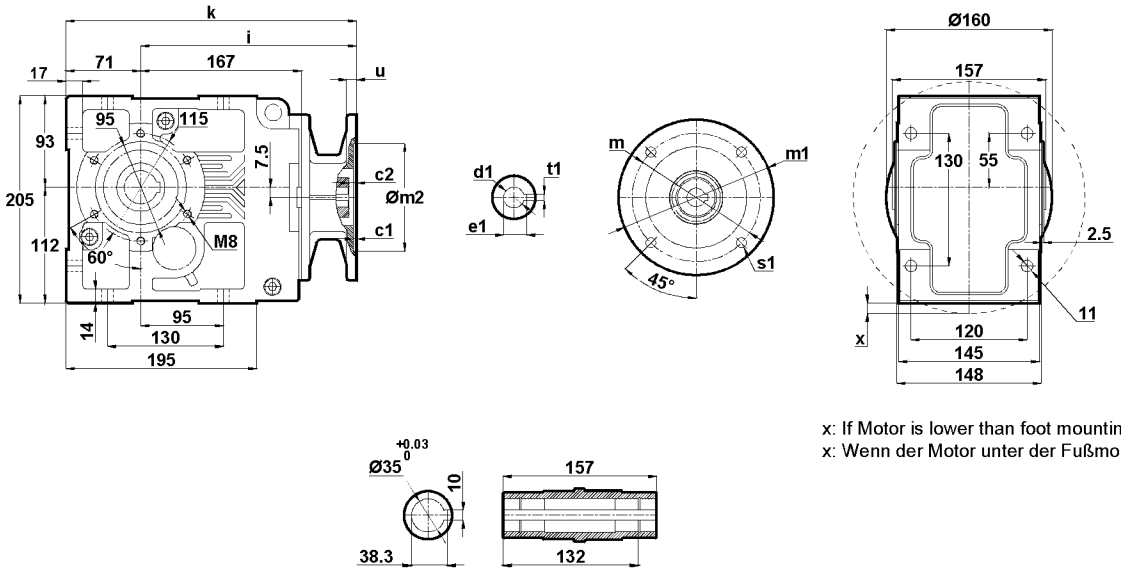


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	225.5	12	305.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	196.5	12 10	276.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	225.5	12	305.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	225.5	12	305.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	218.5	12	298.5	28	8	31.3	0.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

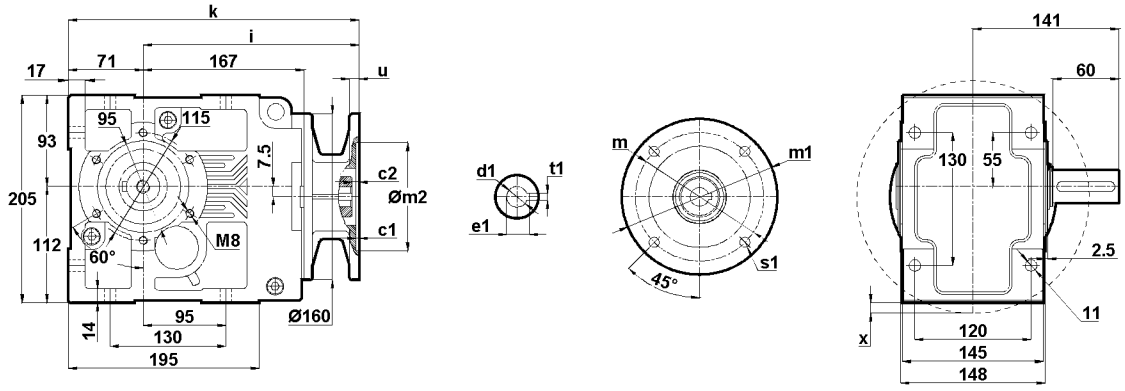
KN273.00

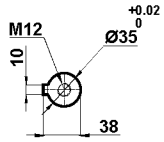


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

KN273.01



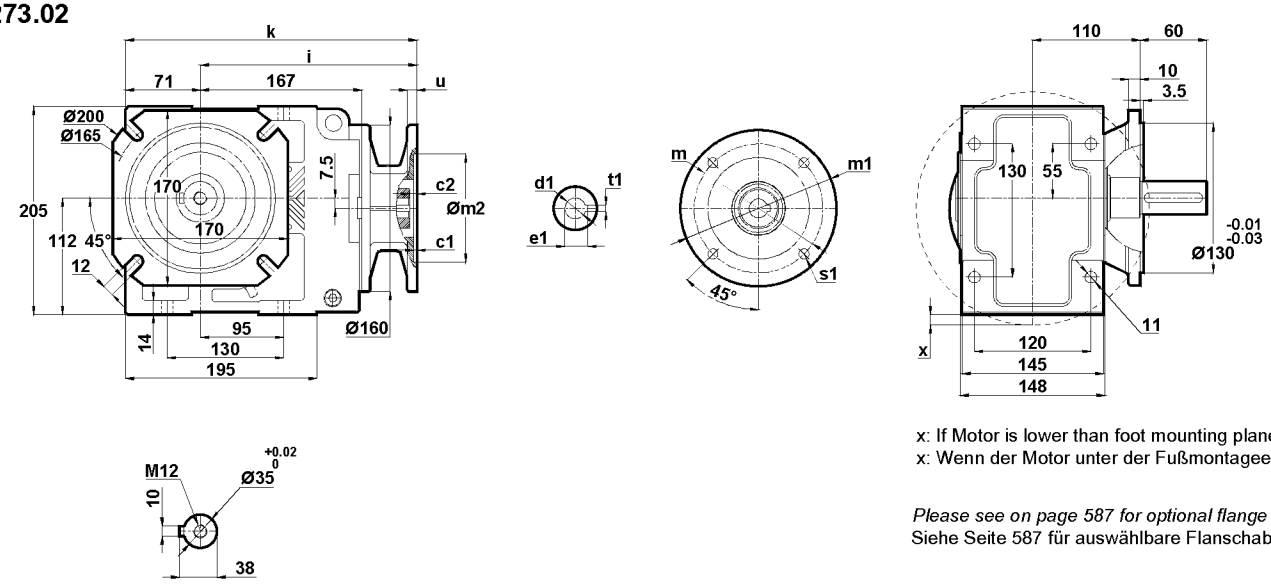


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN273.02

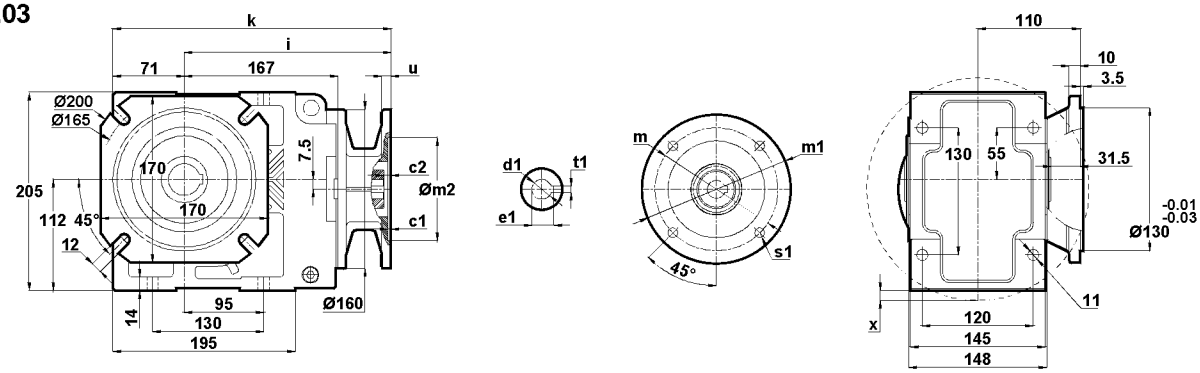


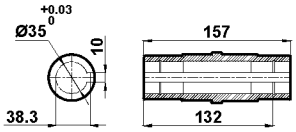
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

KN273.03





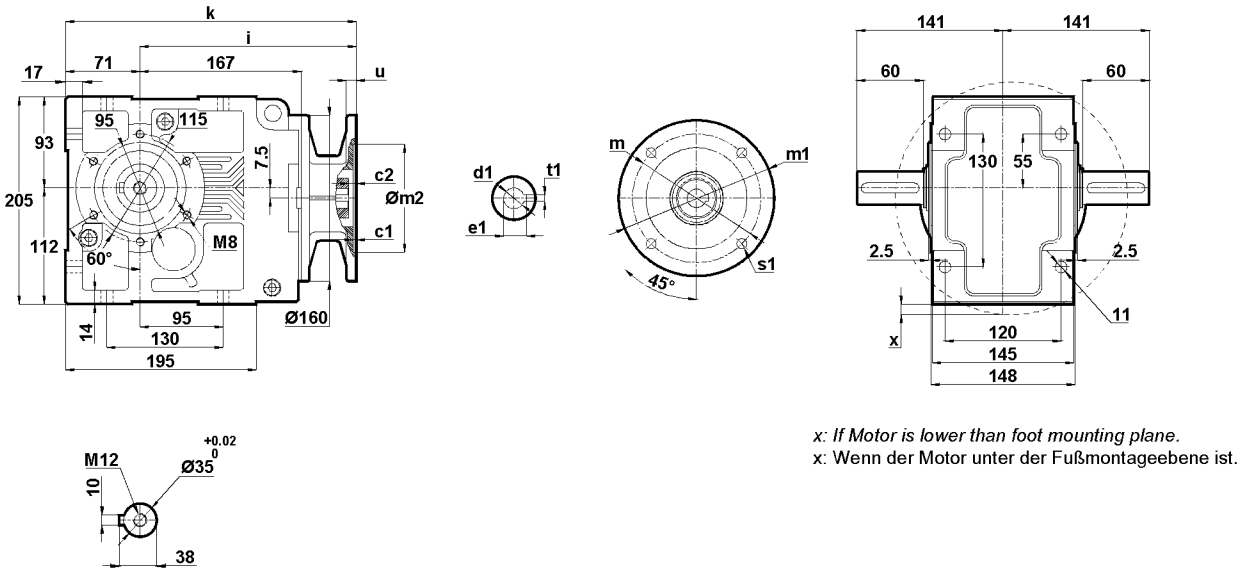
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

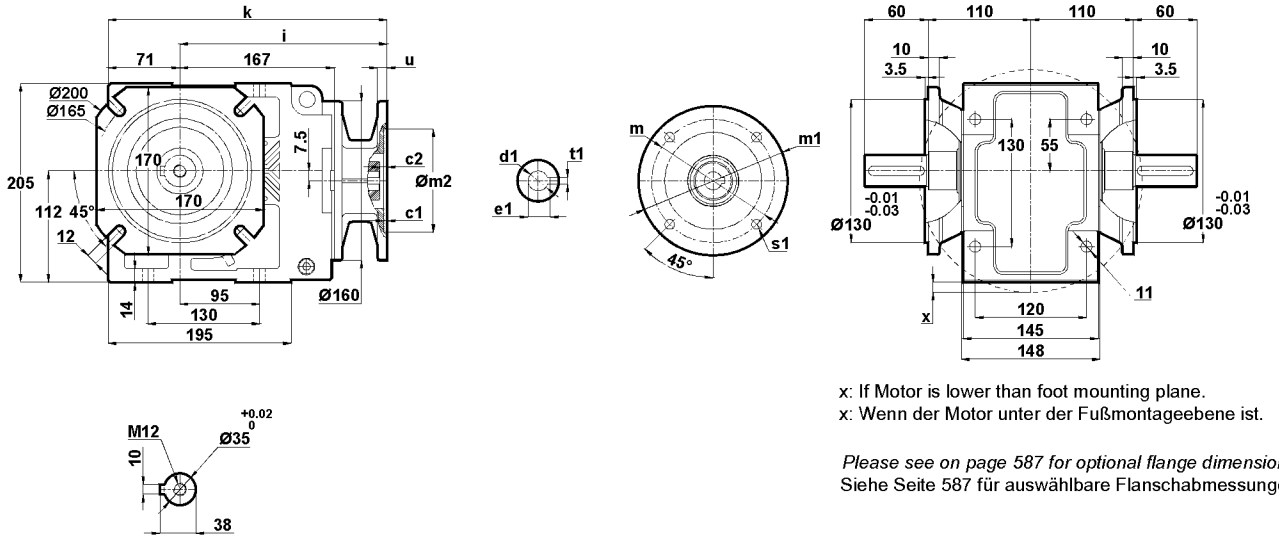
KN273.04



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

KN273.05



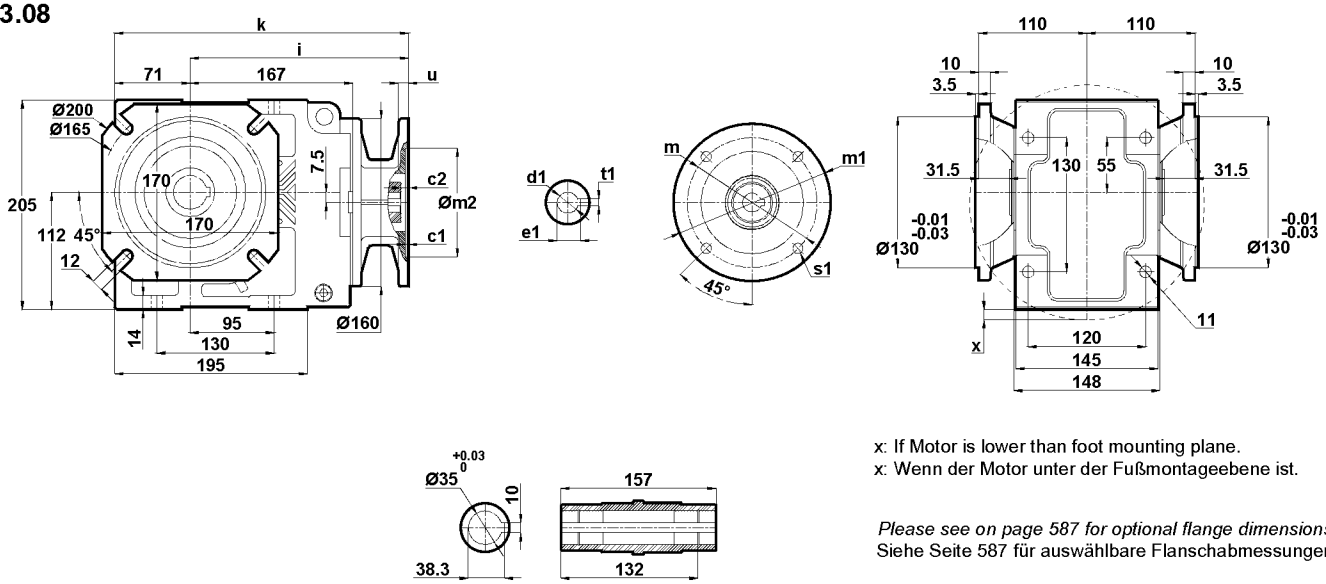
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN273.08



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

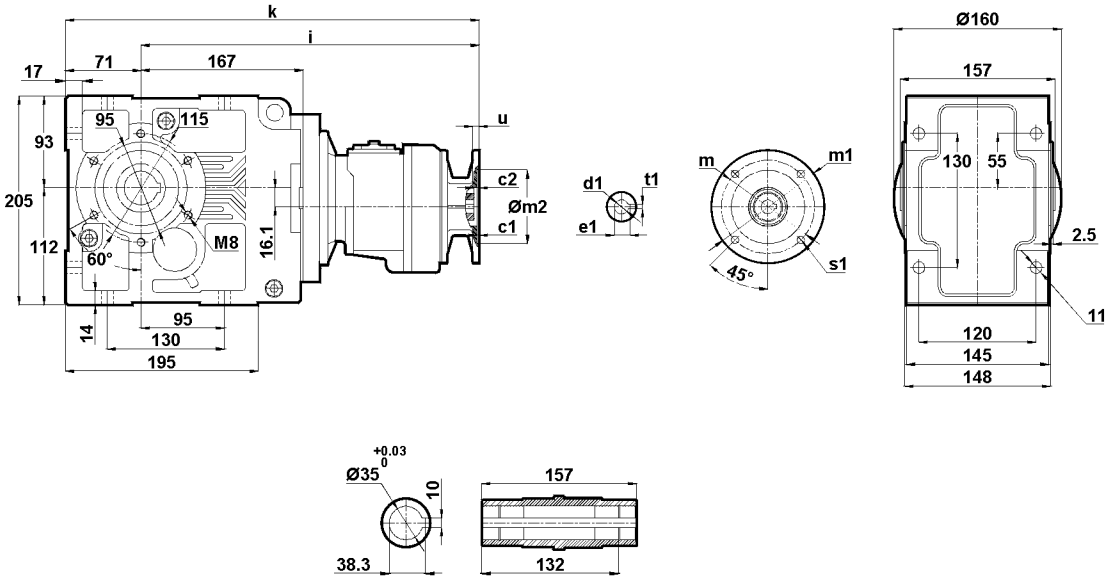
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	5	9	115	140	95	240.5	12	311.5	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	211.5	12 10	282.5	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	240.5	12	311.5	19	6	21.8	-
90/B5 **90//B14**	4	5	12 9	165 115	200 140	130 95	240.5	12	311.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 4	5.5	15 9	215 130	250 160	180 110	233.5	12	304.5	28	8	31.3	20.5 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

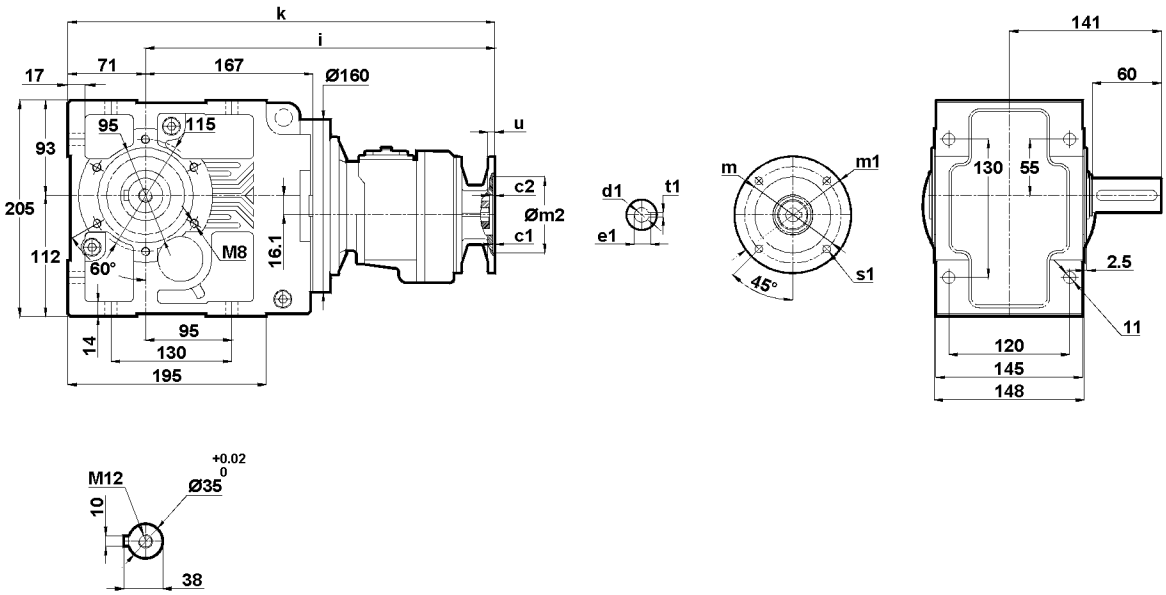
KN275.00

KN276.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

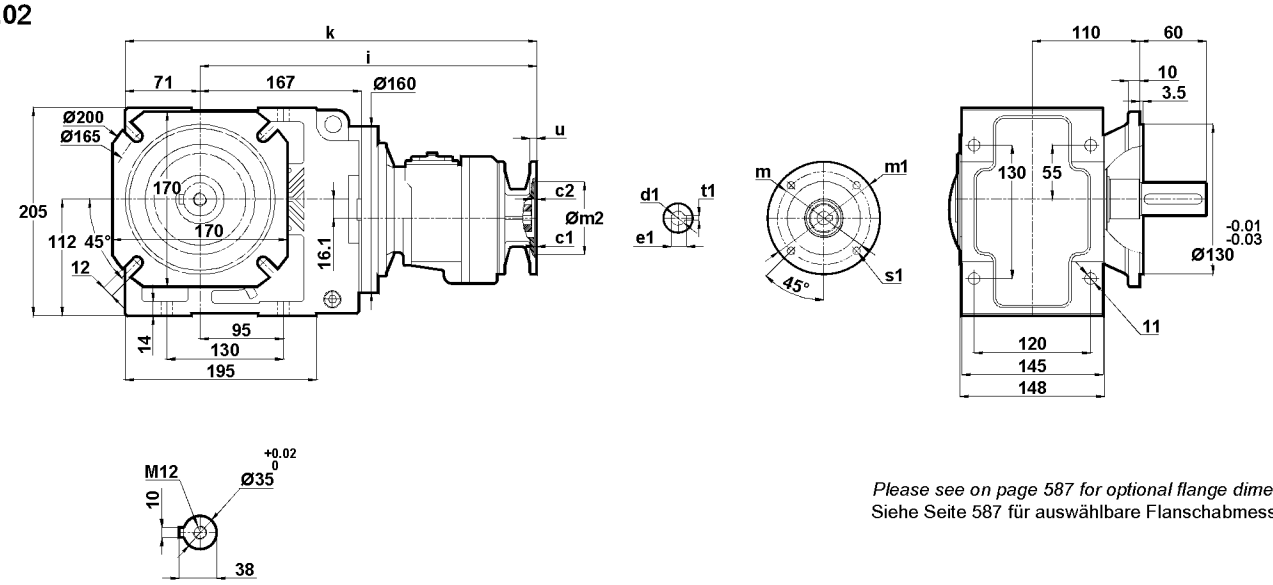
KN275.01
KN276.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

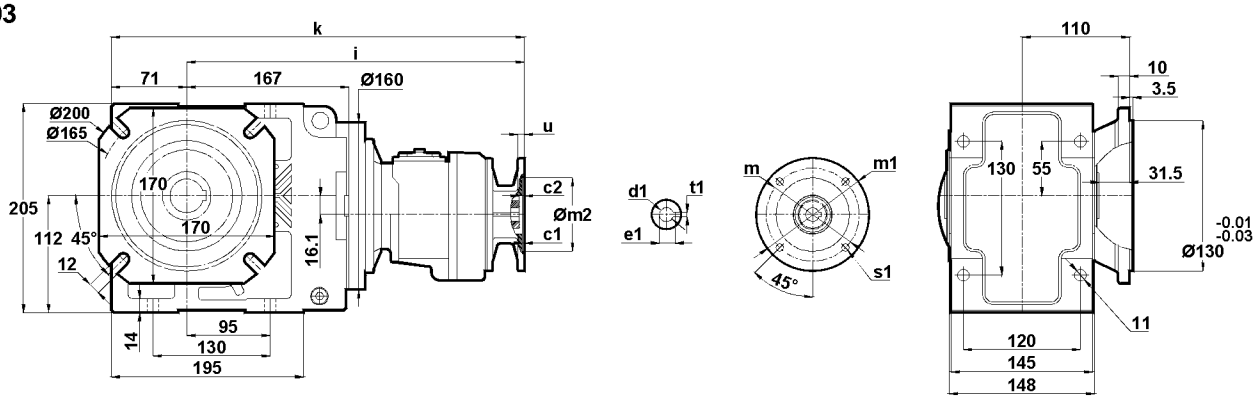
KN275.02
KN276.02

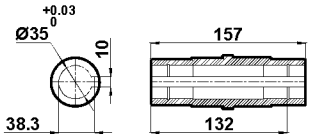


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

KN275.03
KN276.03





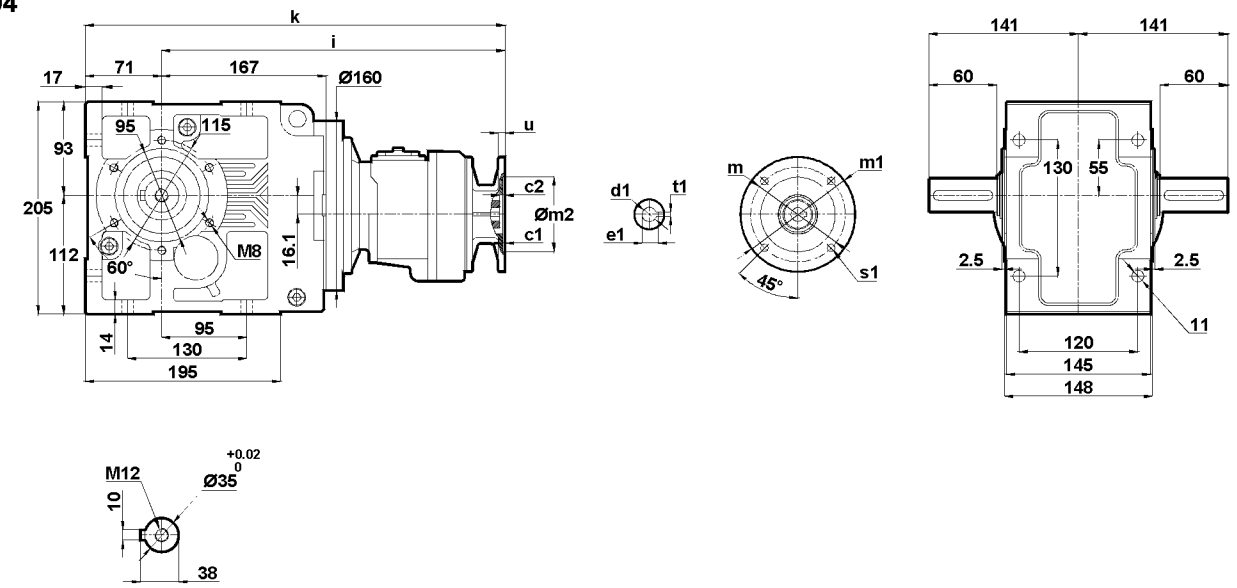
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

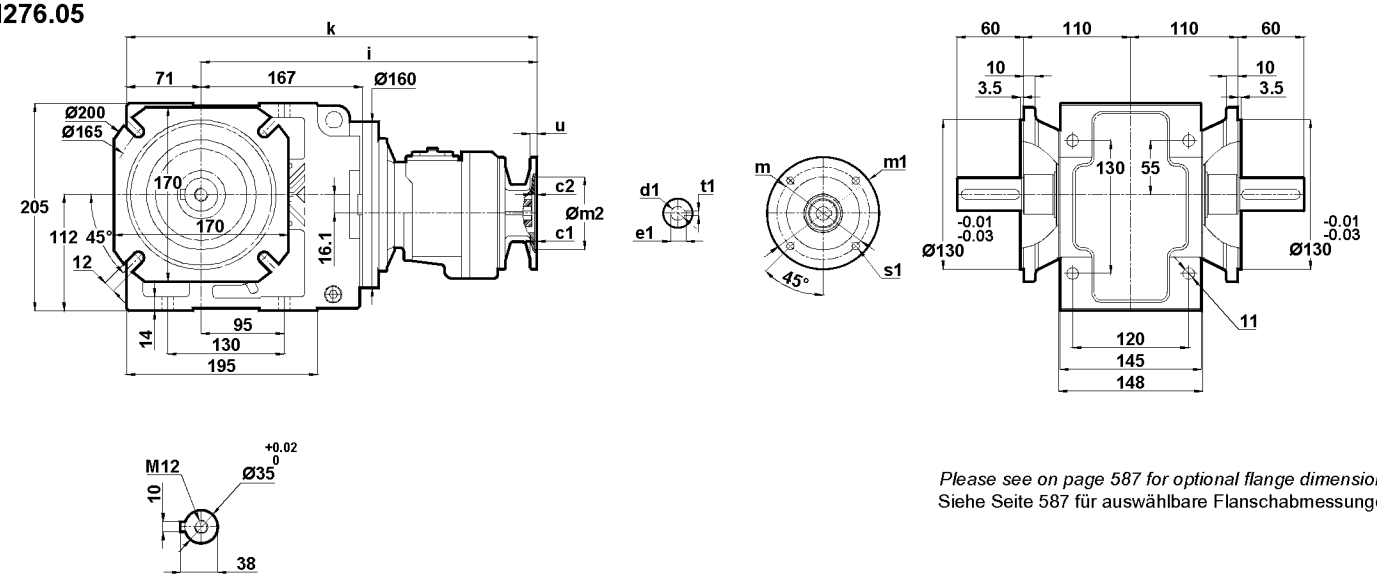
KN275.04

KN276.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

KN275.05
KN276.05



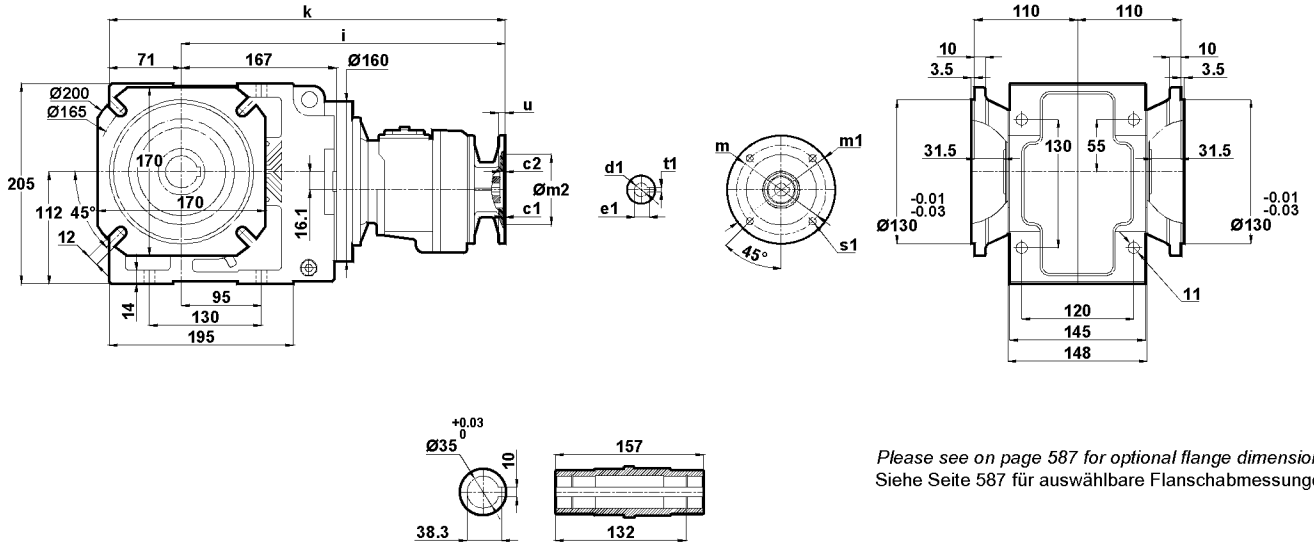
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN275.08

KN276.08

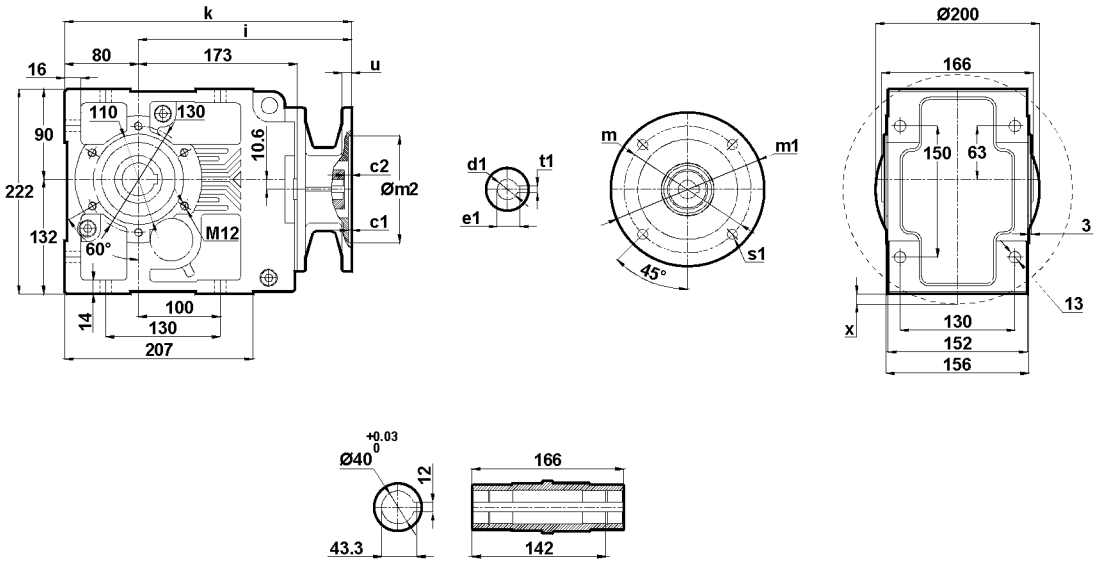


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	356	10	427	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	357.5	12	428.5	14	5	16.3
71/B14	3		7	85	105	70		10				
80/B5	4	5	12	165	200	130	372.5	12	443.5	19	6	21.8
80/B14			7	100	120	80						

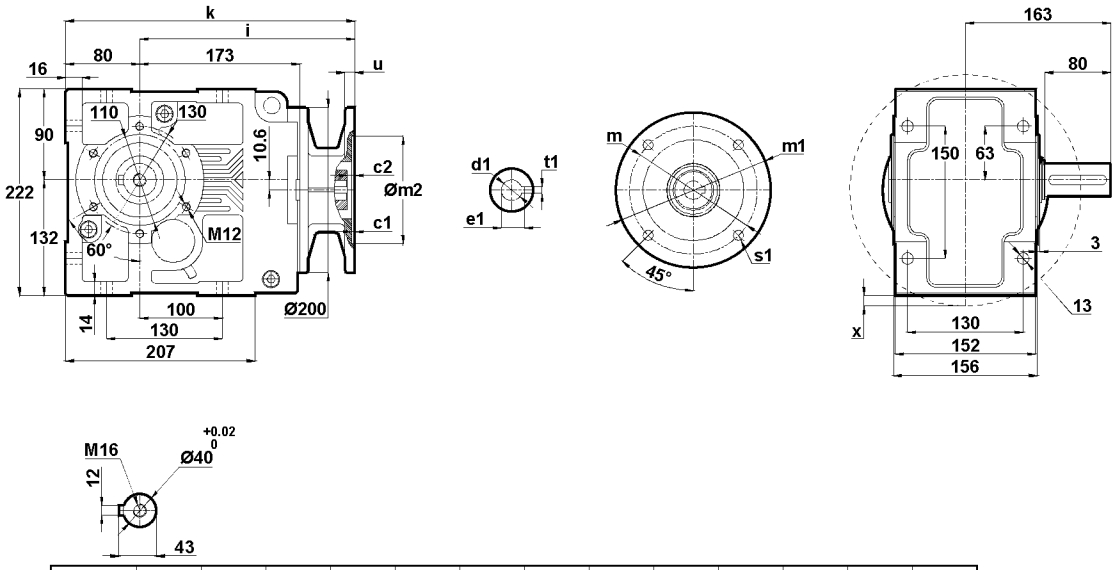
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN283.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

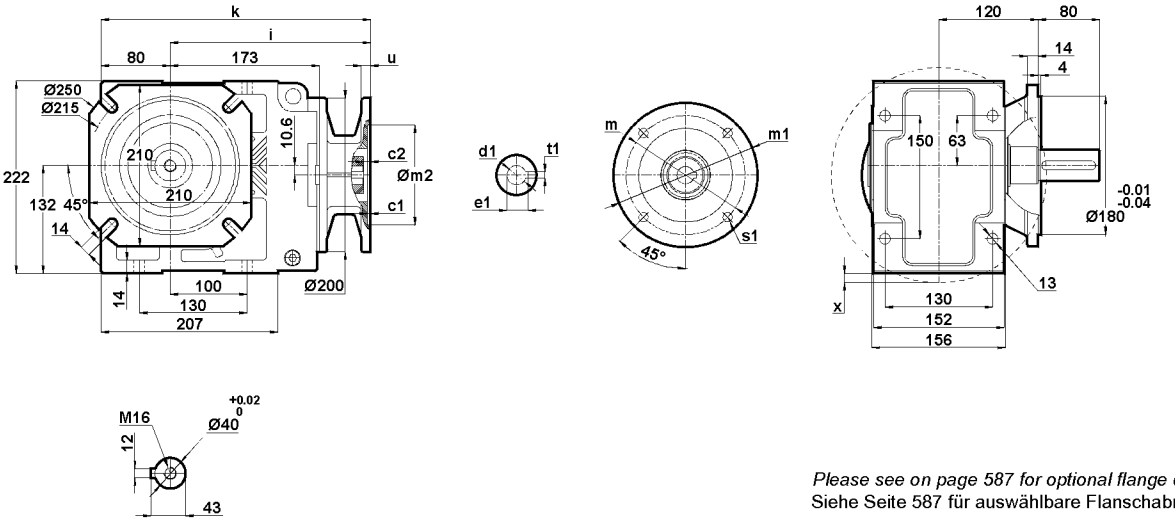
KN283.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

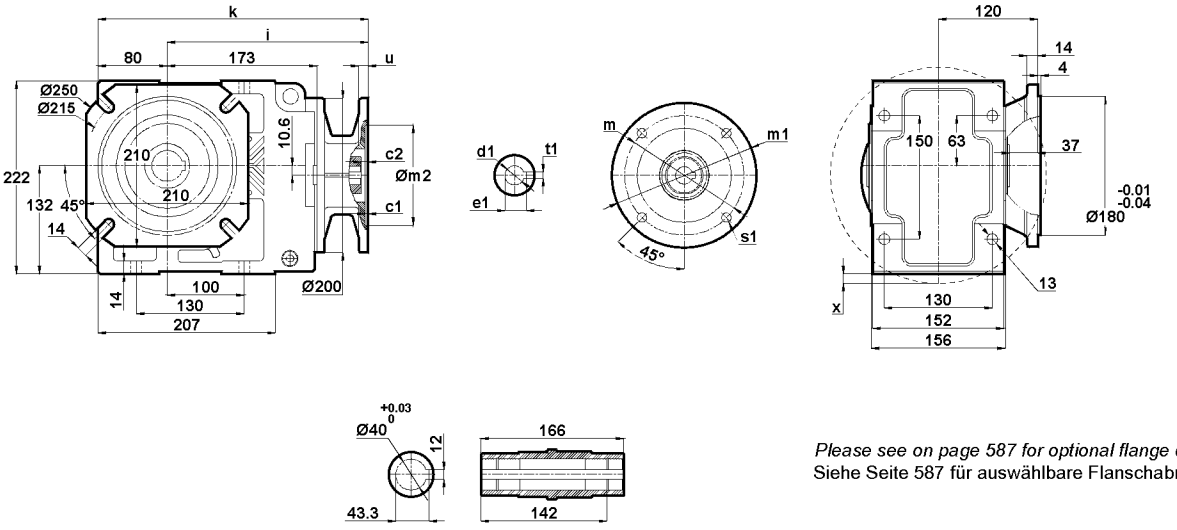
KN283.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

KN283.03

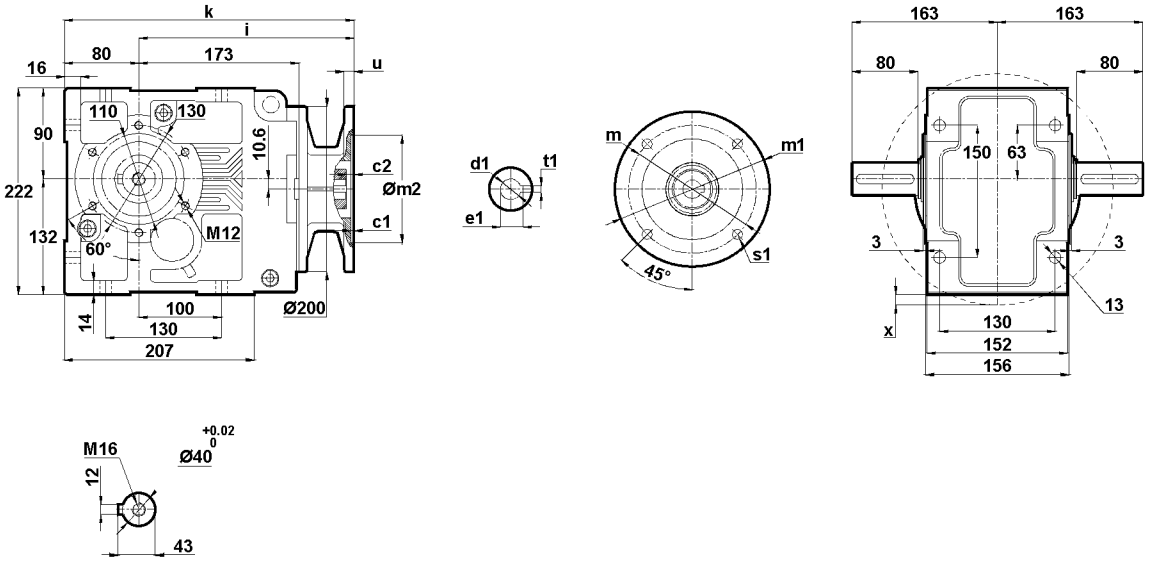


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

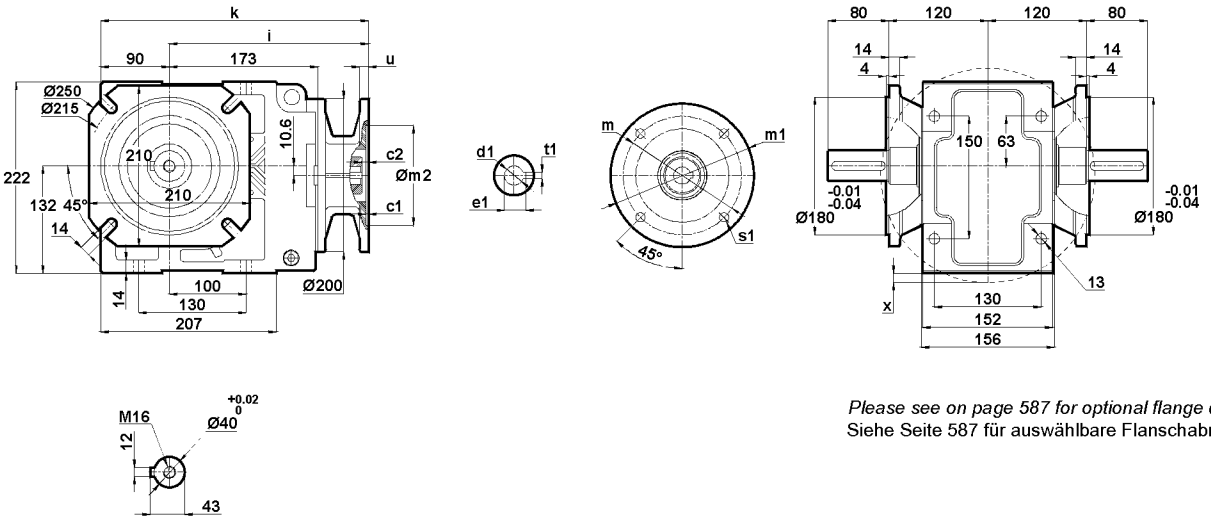
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN283.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

KN283.05

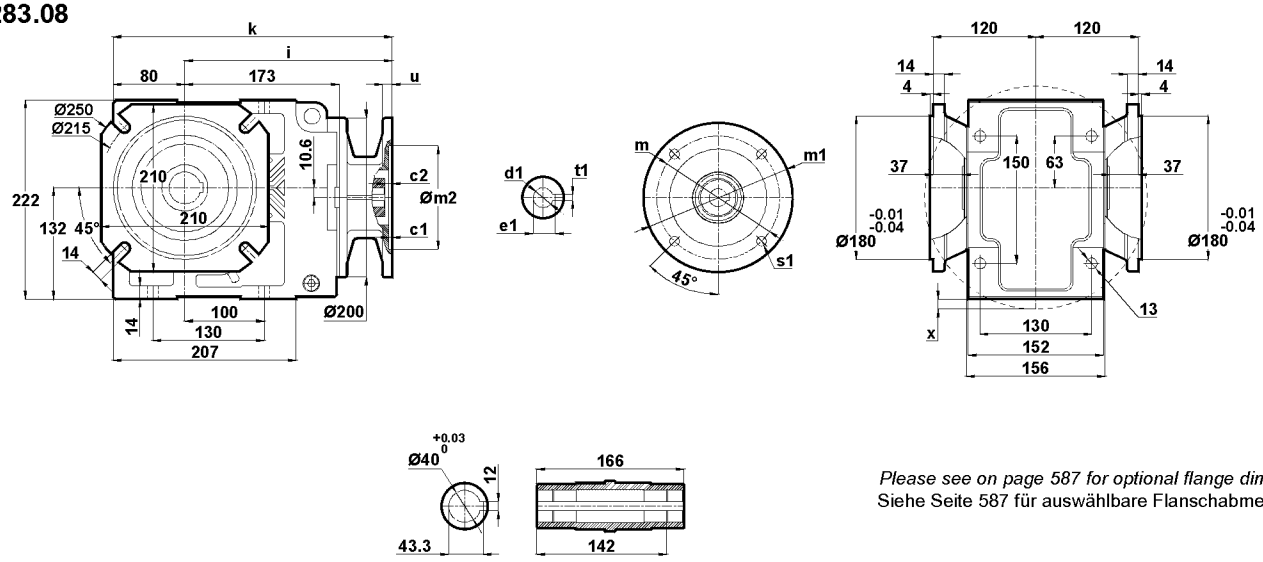


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN283.08

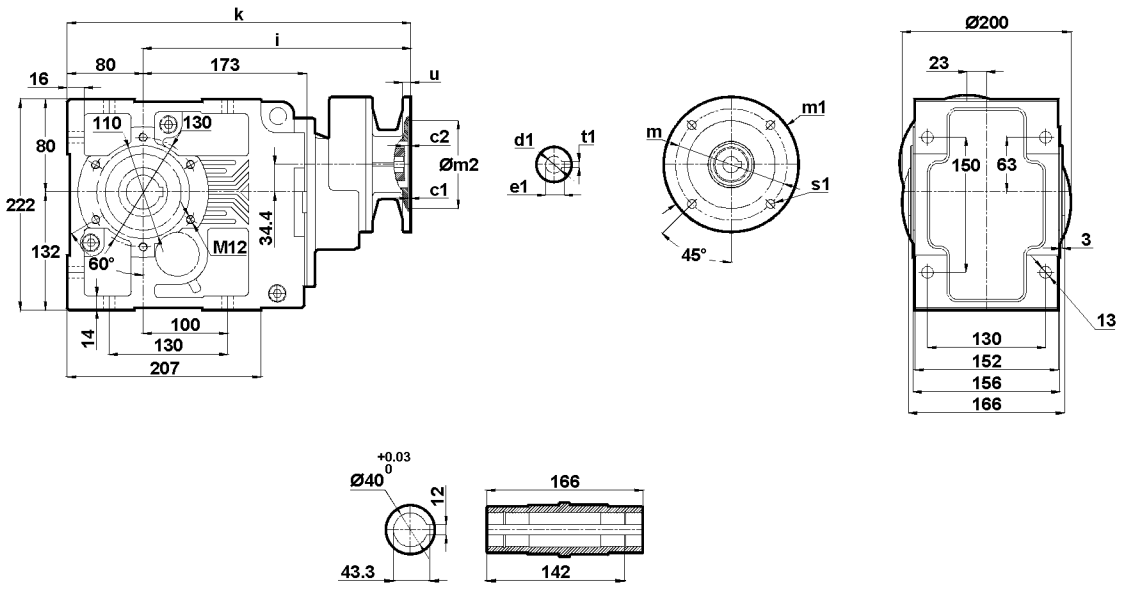


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	239.5	12	319.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	239.5	12	319.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	239.5	12	319.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	256.5	15	336.5	28	8	31.3	3.6 -
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	276.5	15	356.5	38	10	41.3	28.6 -

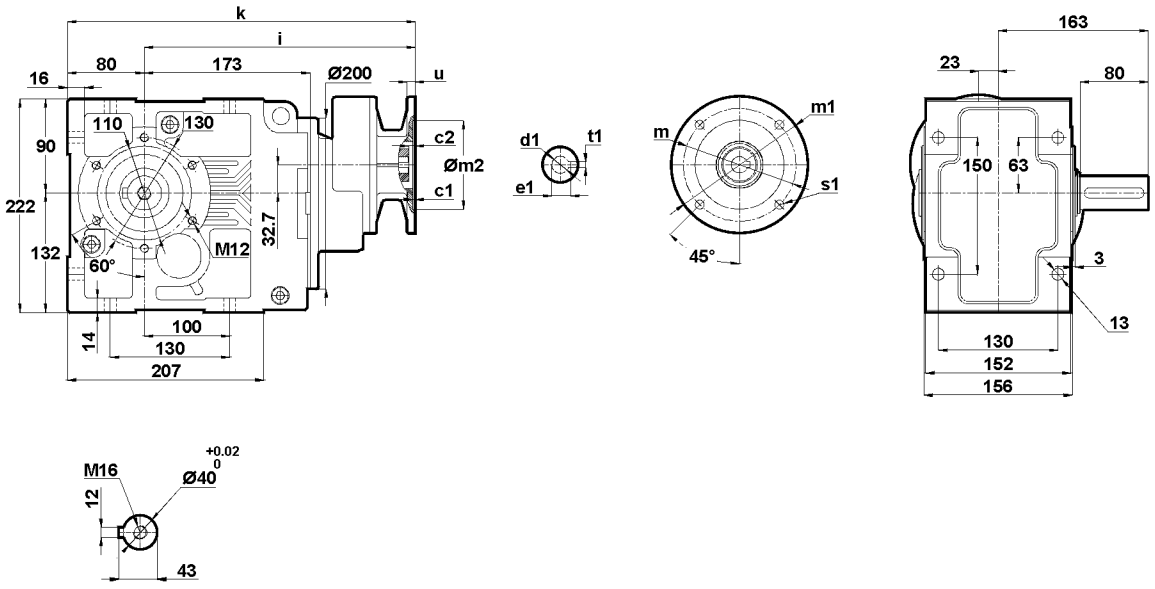
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN284.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

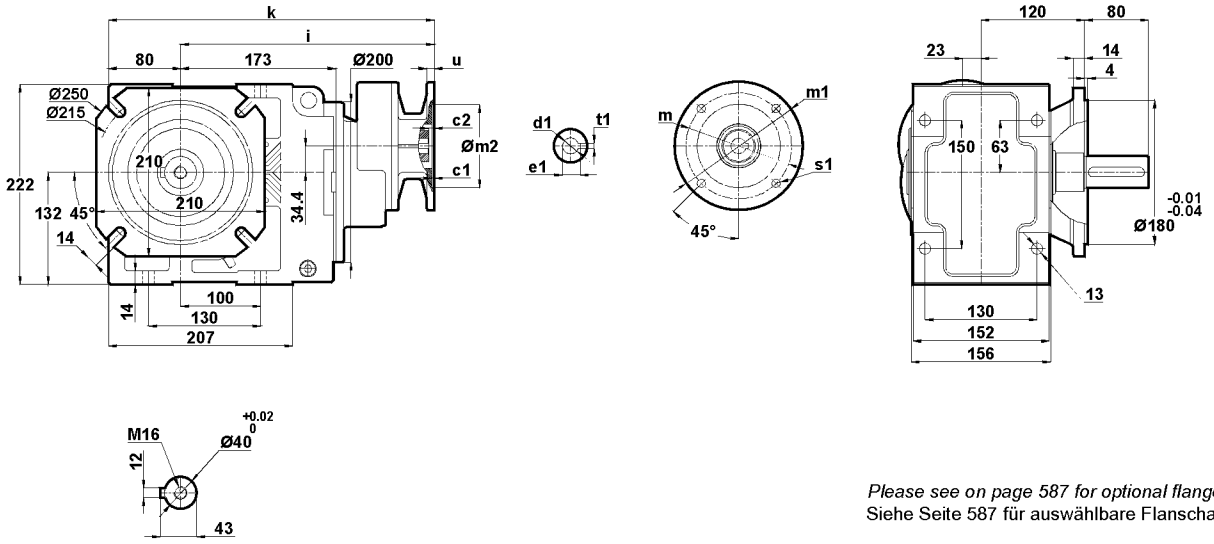
KN284.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

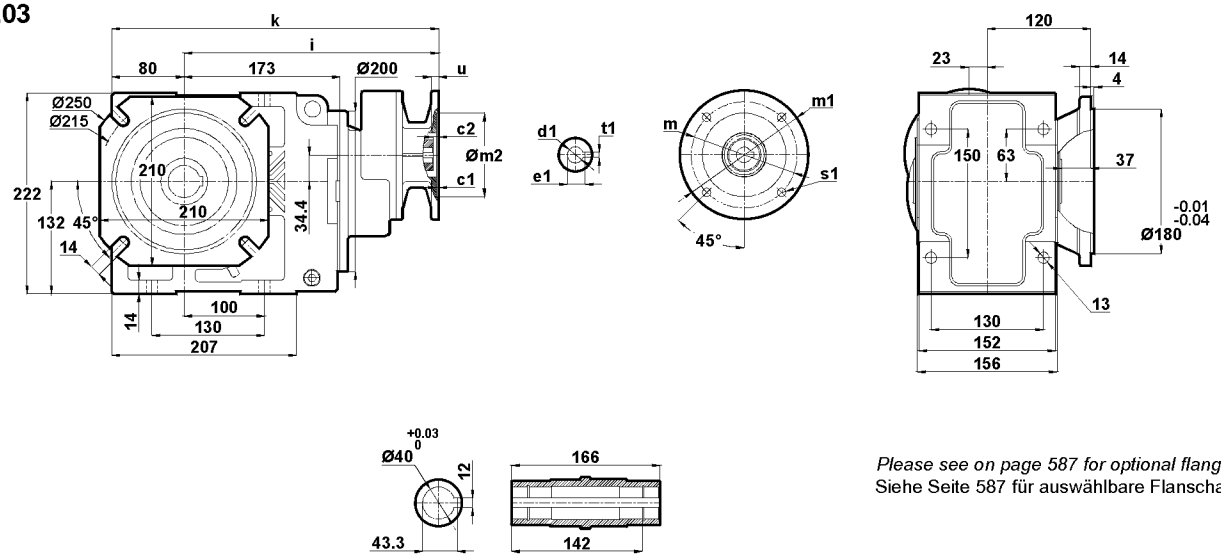
KN284.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

KN284.03

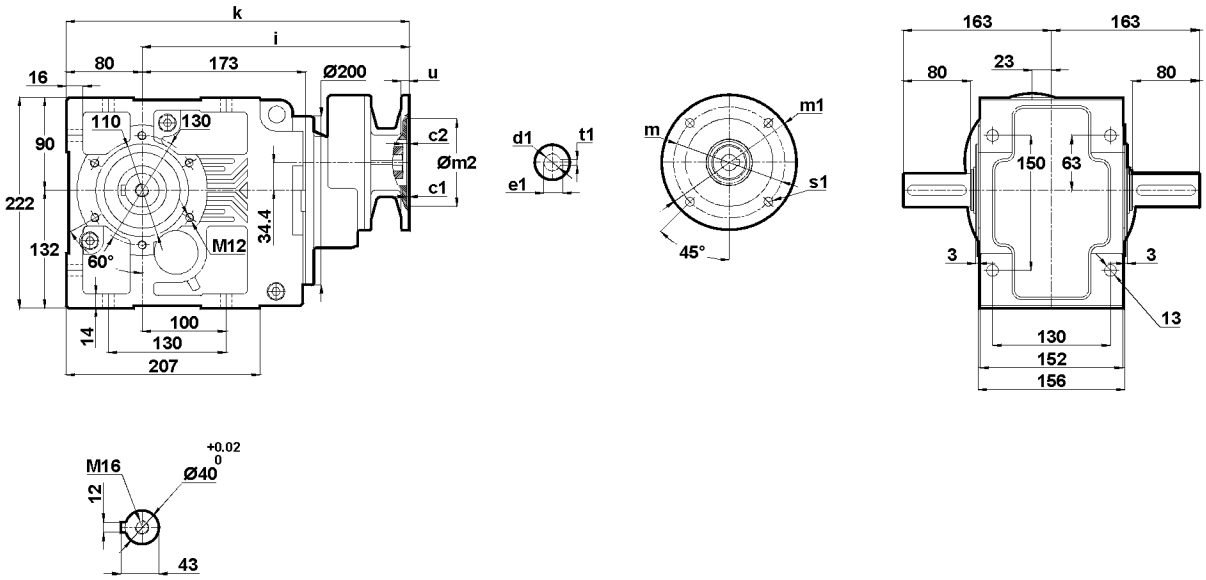


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

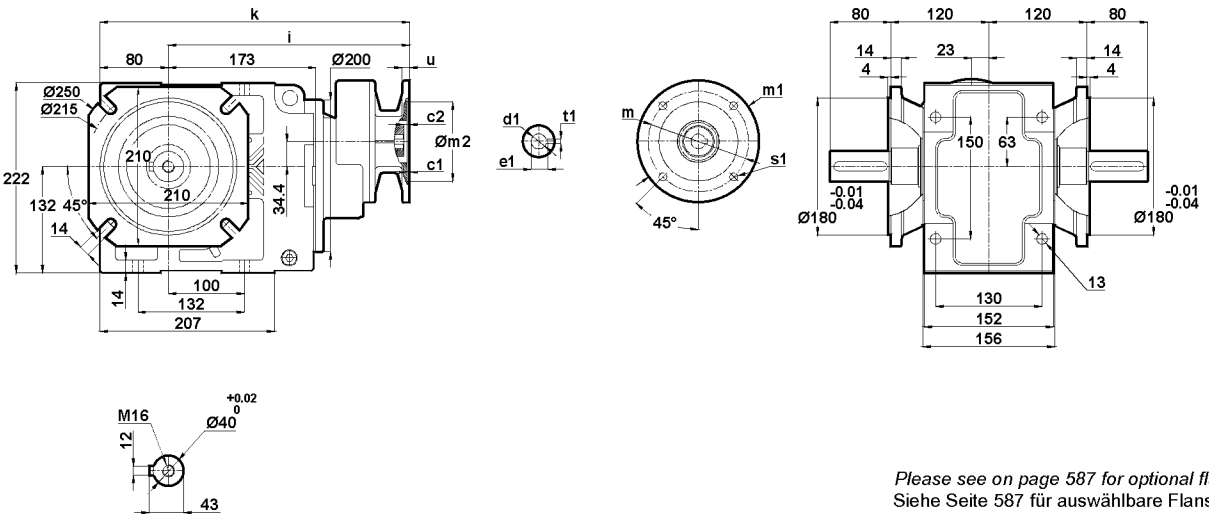
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN284.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

KN284.05

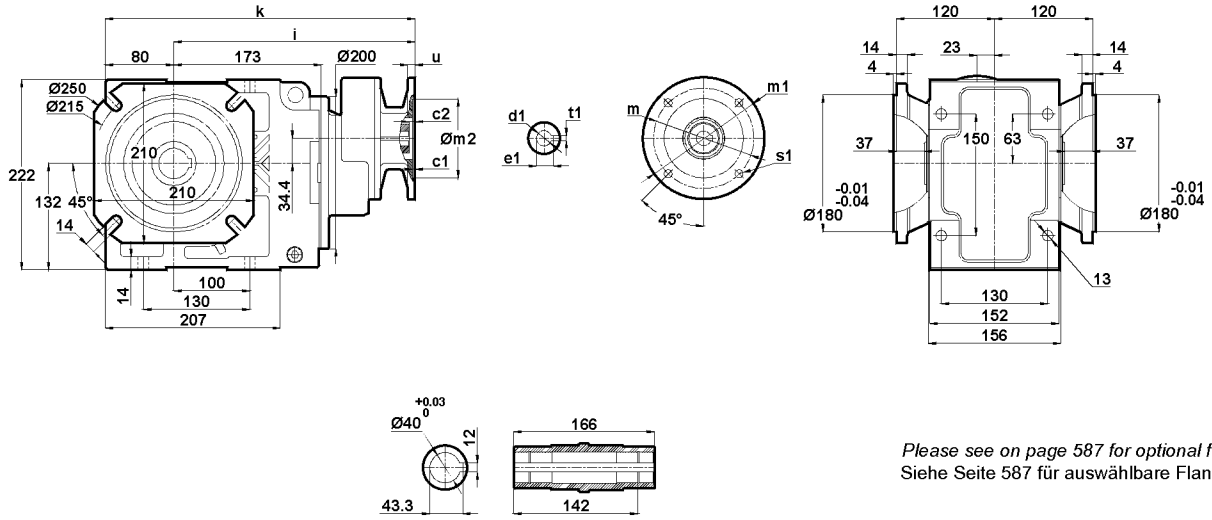


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN284.08

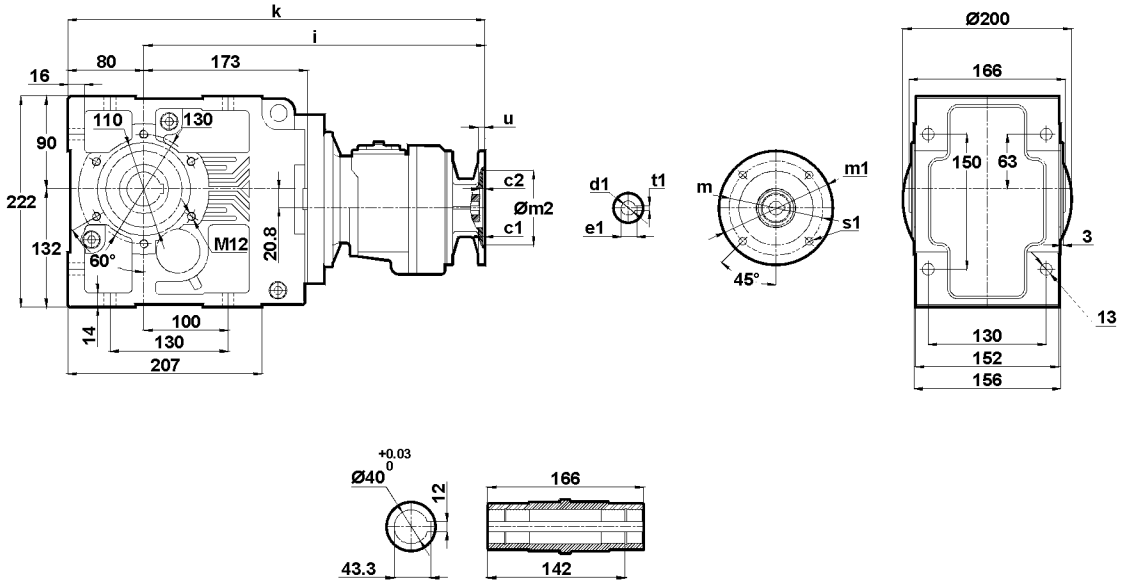


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	316.5	12	396.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	287.5	12 10	367.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	316.5	12	396.5	19	6	21.8

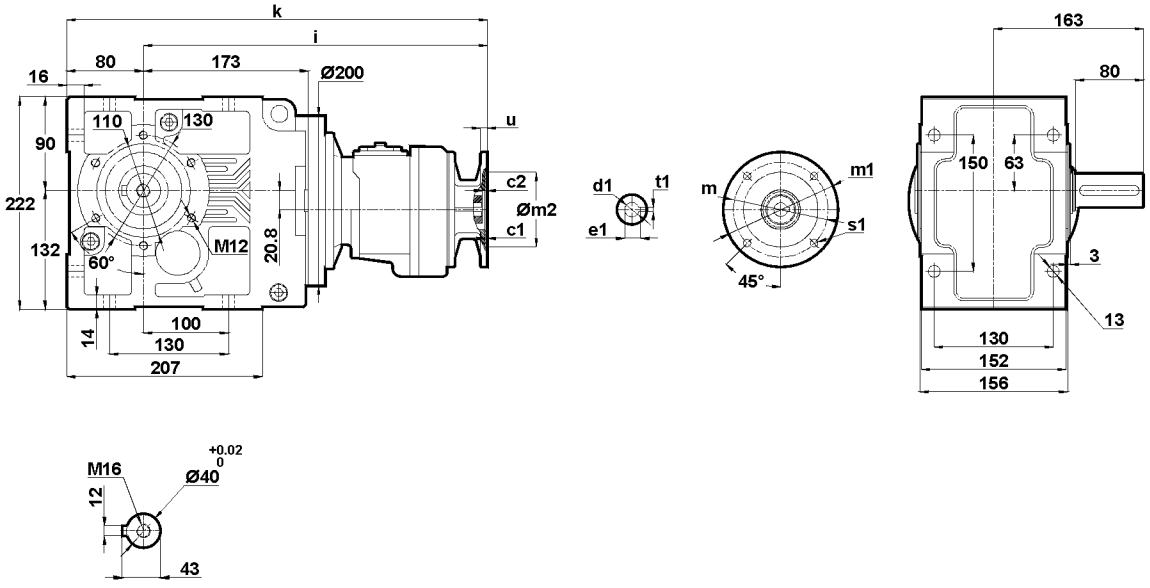
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN285.00
KN286.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

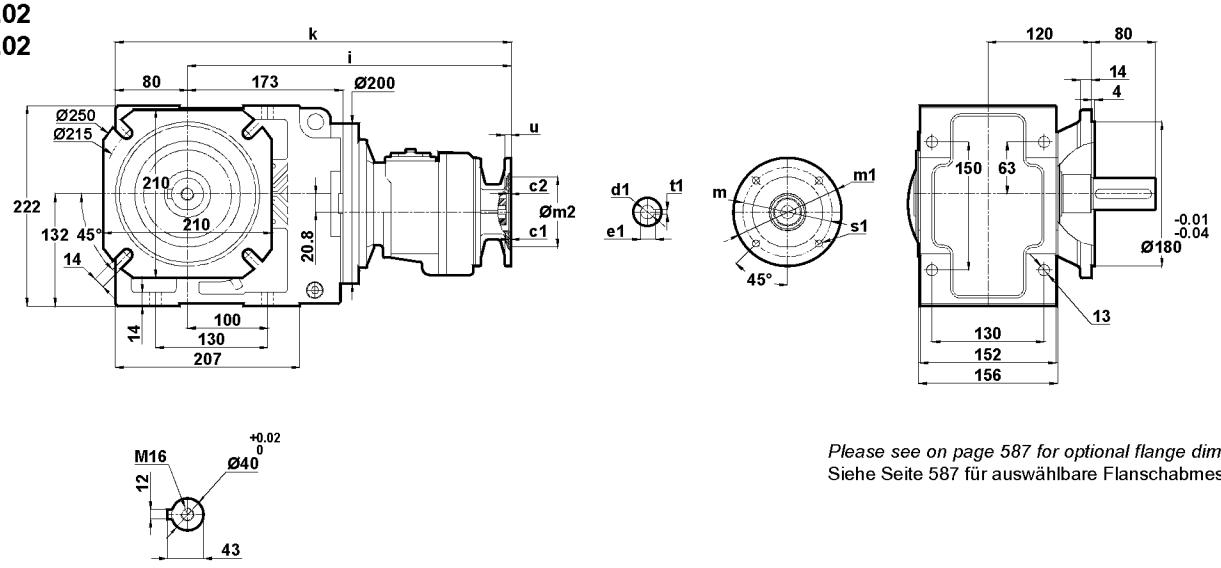
KN285.01
KN286.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

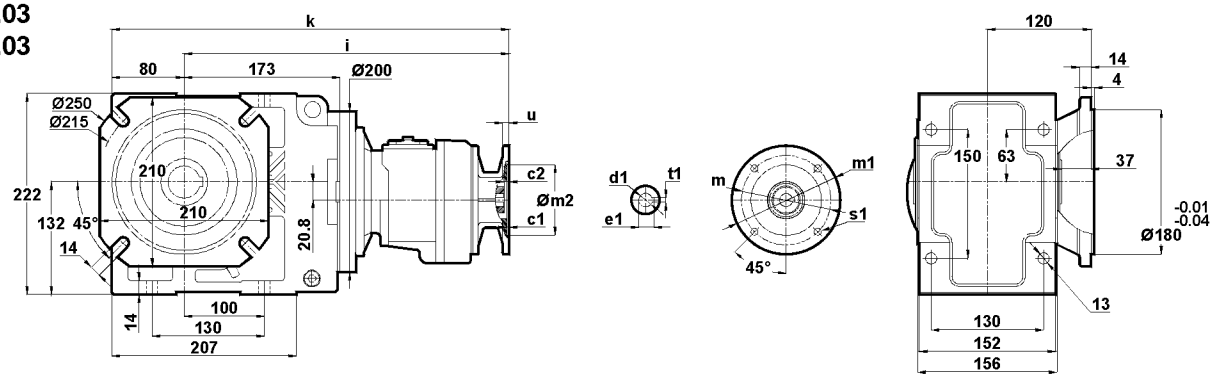
KN285.02
KN286.02

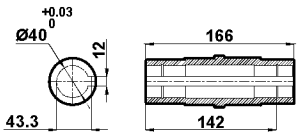


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

KN285.03
KN286.03



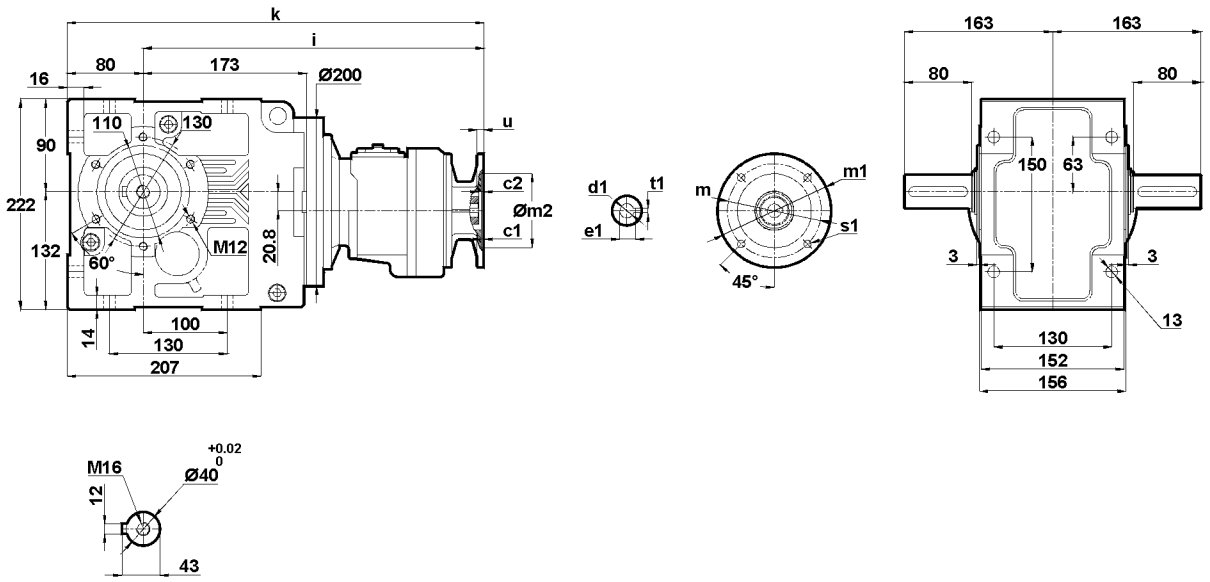


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

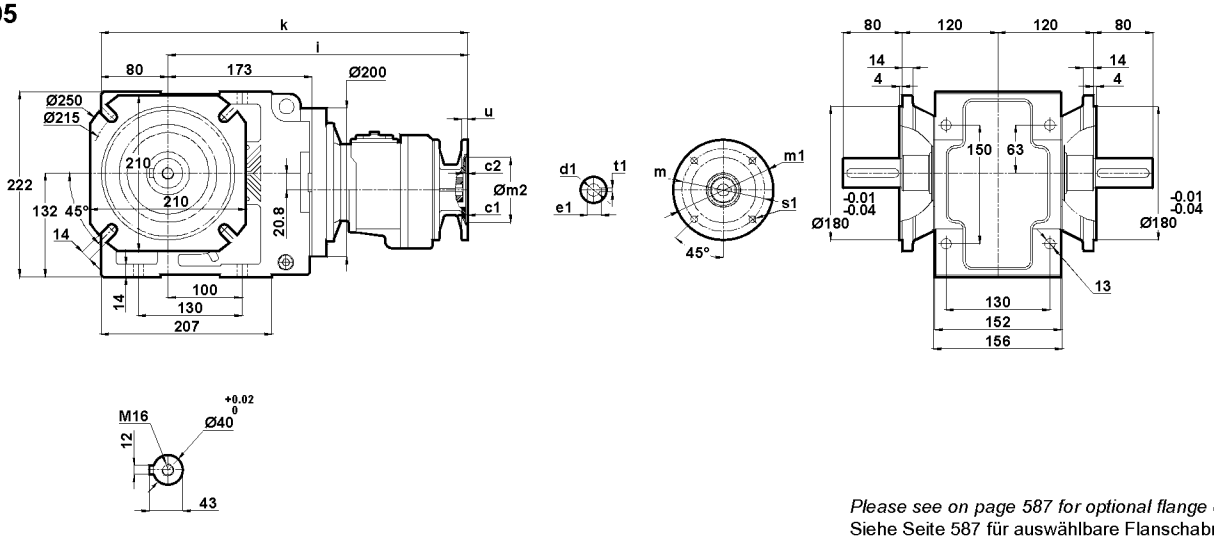
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN285.04
KN286.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

KN285.05
KN286.05



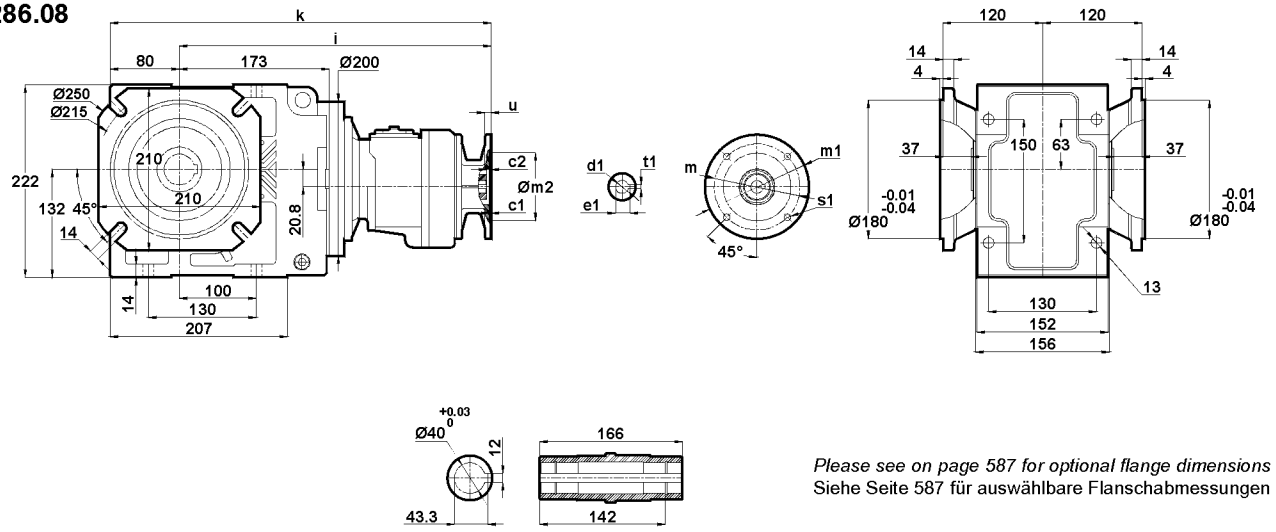
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN285.08

KN286.08

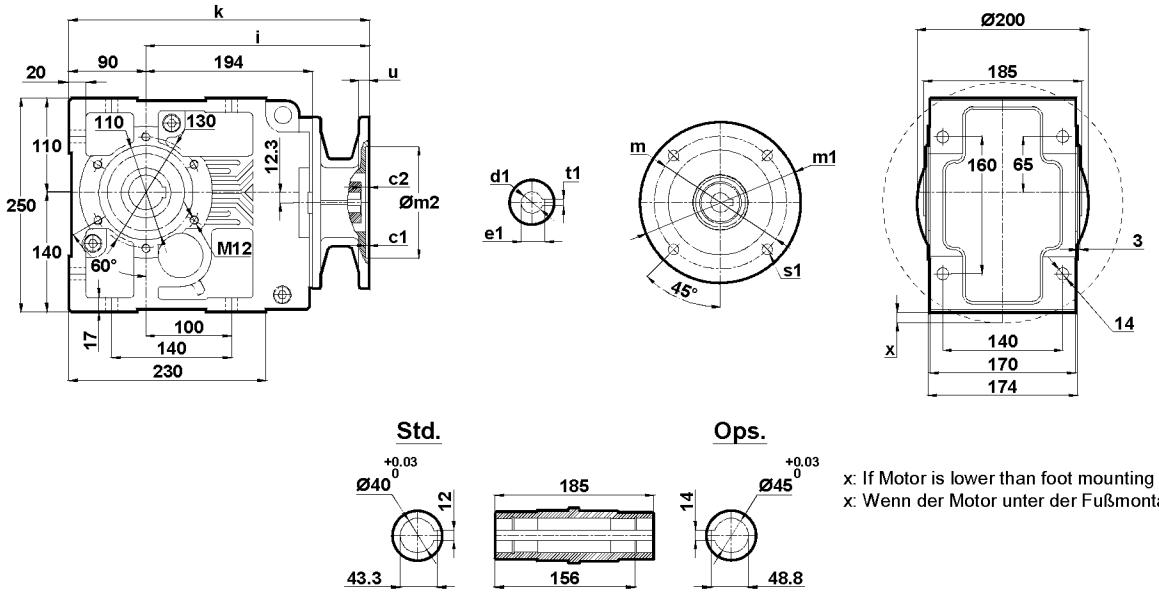


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	382	10	549	11	4	12.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

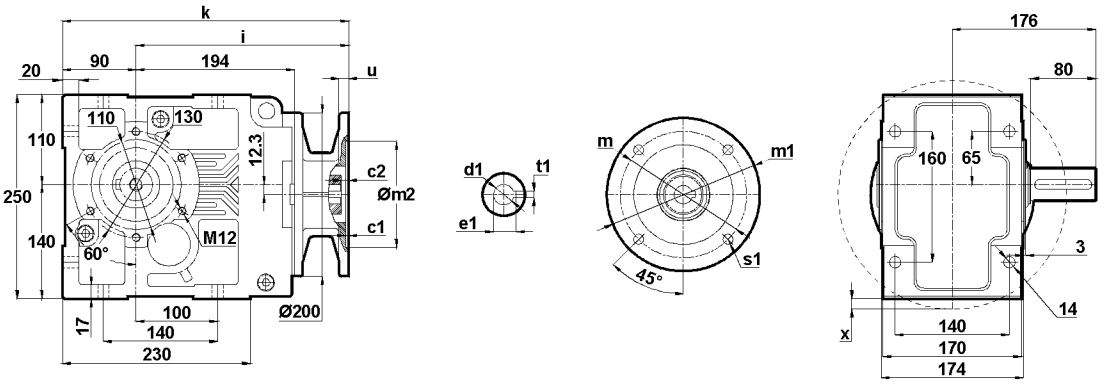
KN373.00

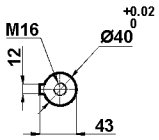


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

KN373.01



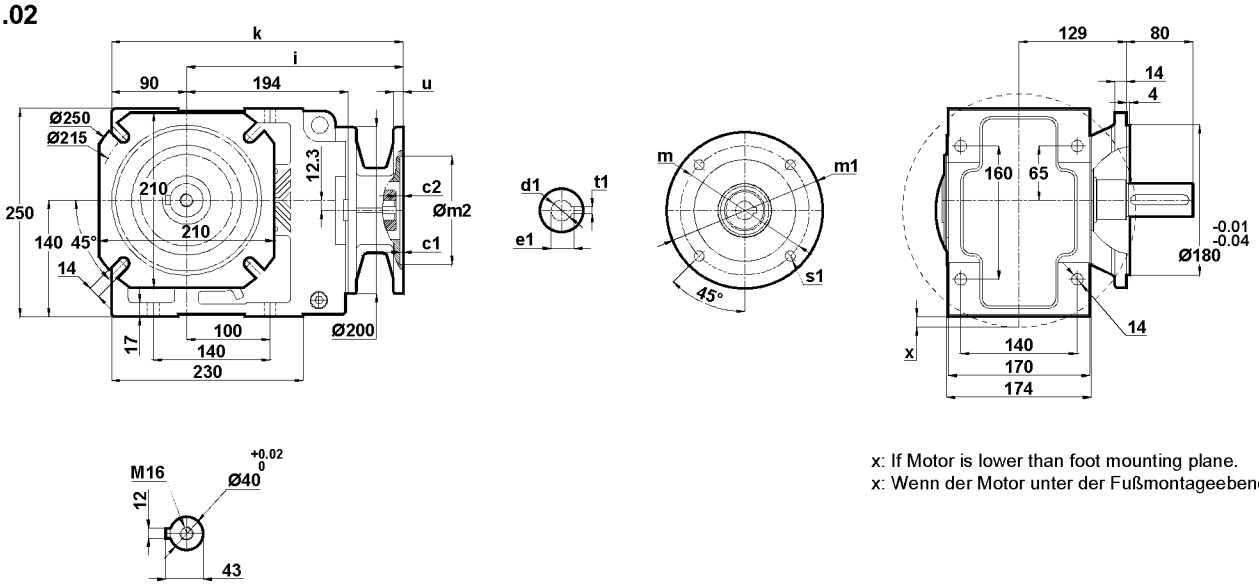


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

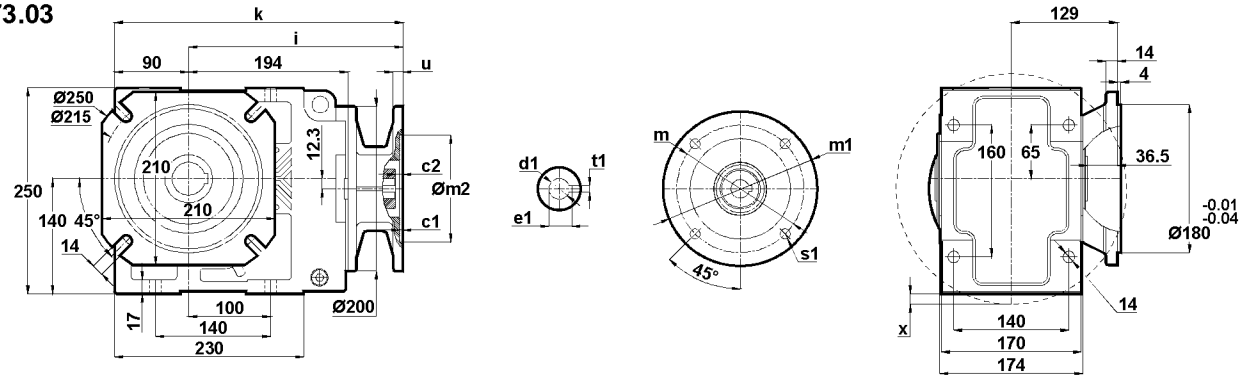
KN373.02



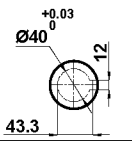
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

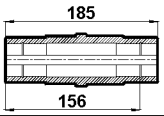
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

KN373.03

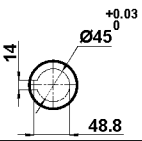


Std.





Ops.



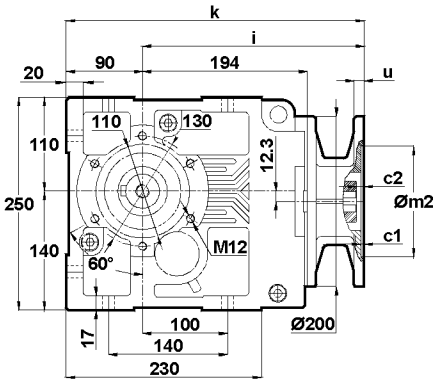
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

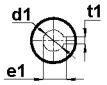
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

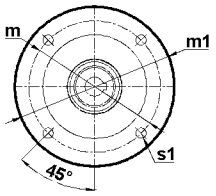
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

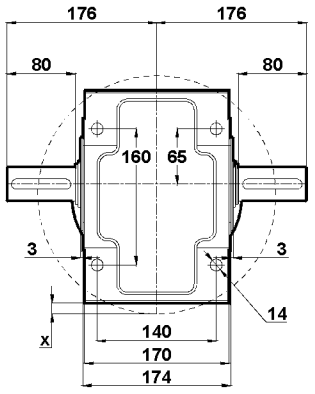
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN373.04

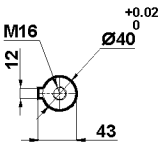






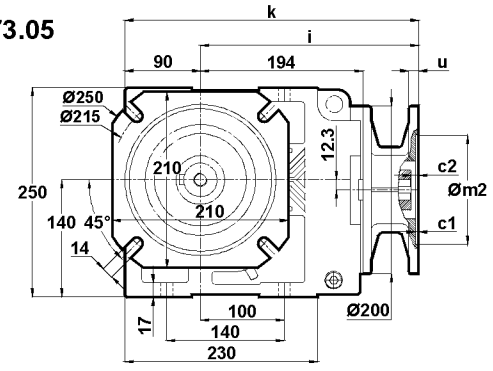


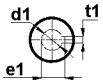
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

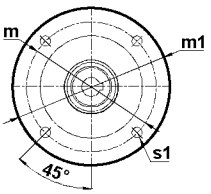


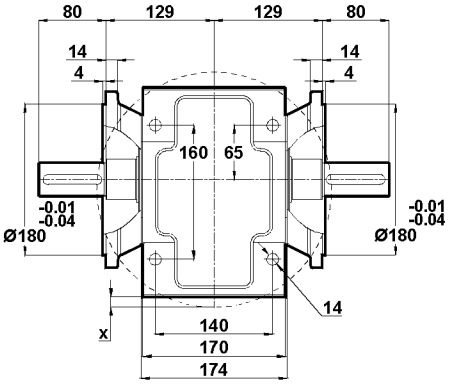
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

KN373.05

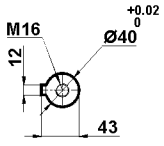








x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

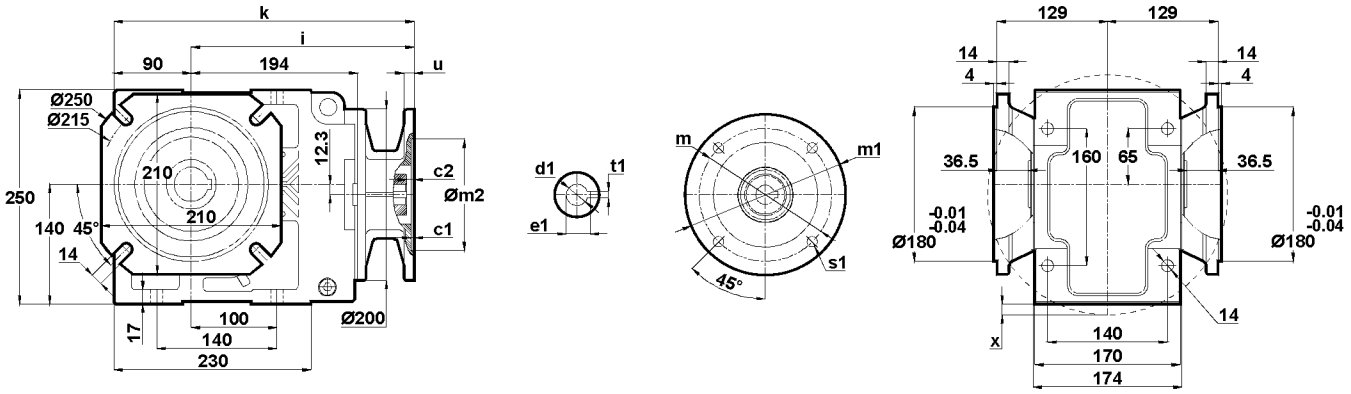


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

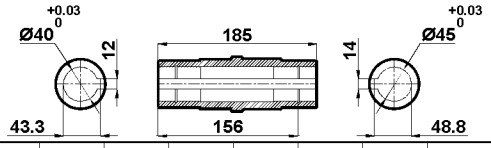
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN373.08



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

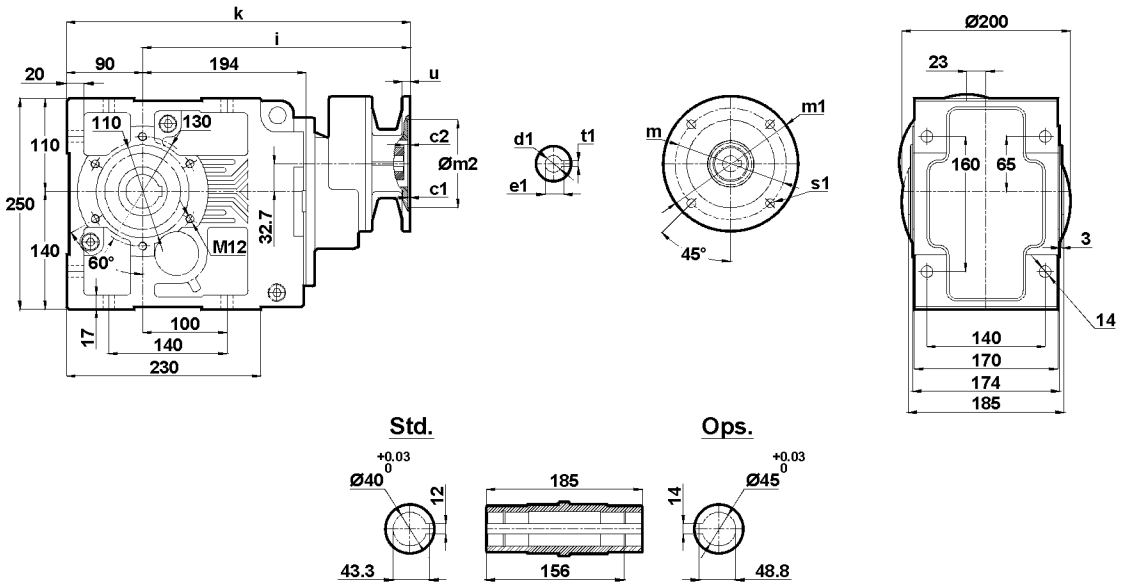


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	260.5	12	350.5	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	260.5	12	350.5	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	260.5	12	350.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	277.5	15	367.5	28	8	31.3	-
132/B5 **132/B14**	4.5	7	15 11	265 165	300 200	230 130	297.5	15	387.5	38	10	41.3	22.3 -

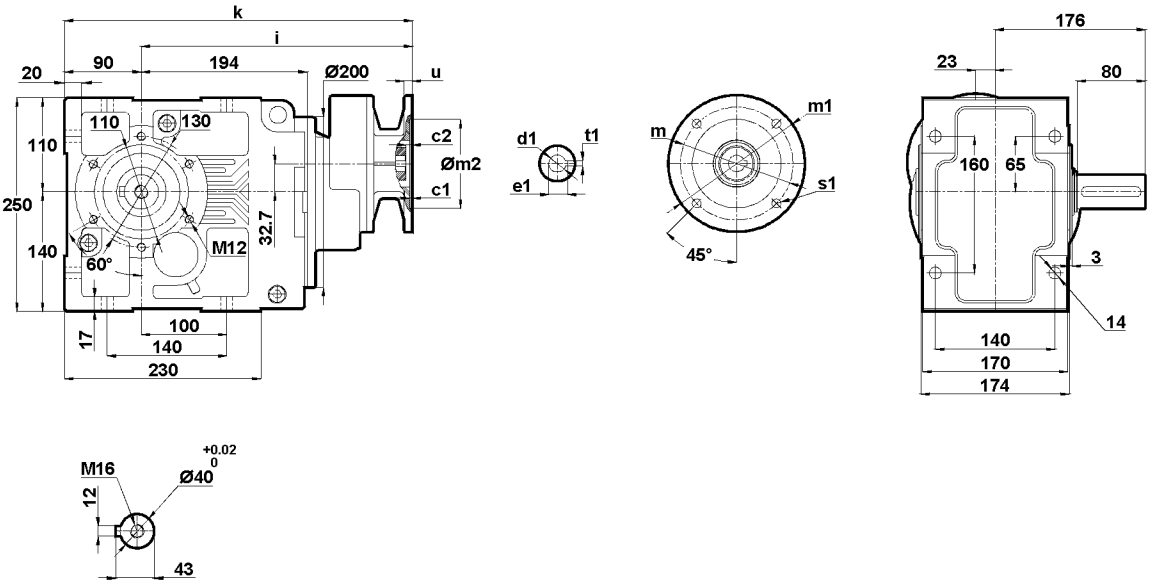
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN374.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

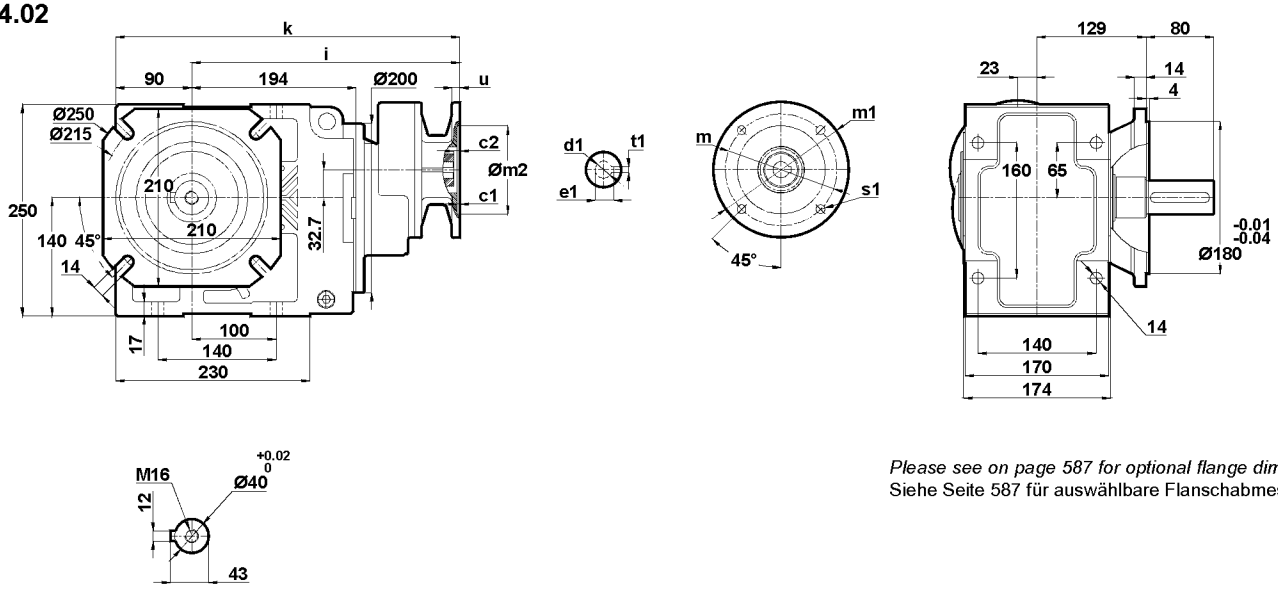
KN374.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

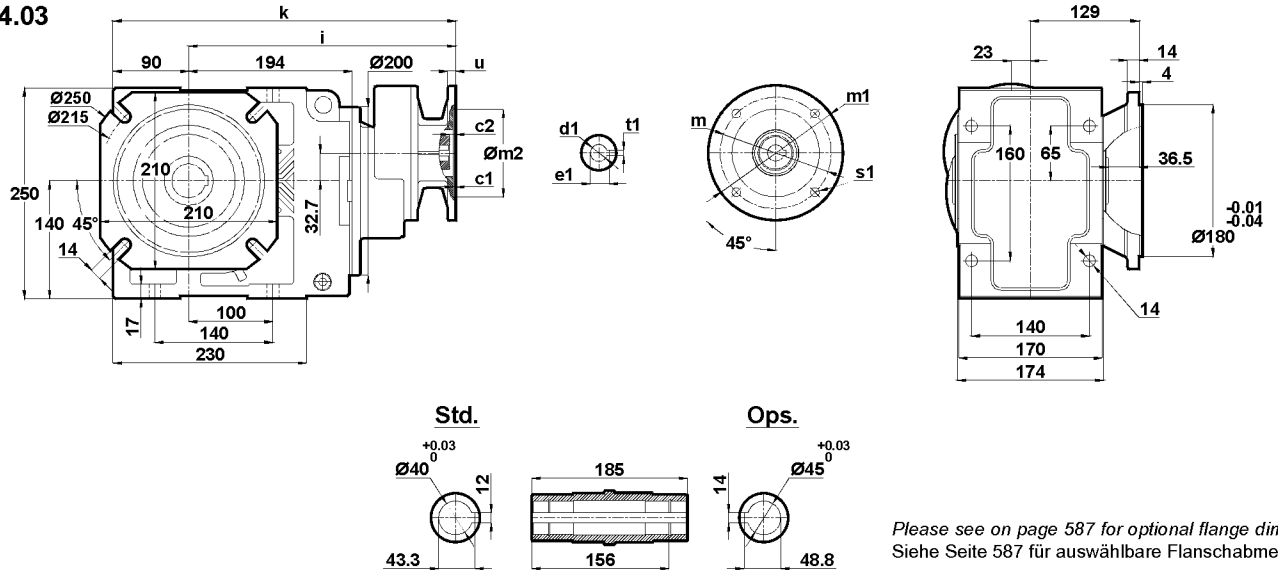
KN374.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

KN374.03

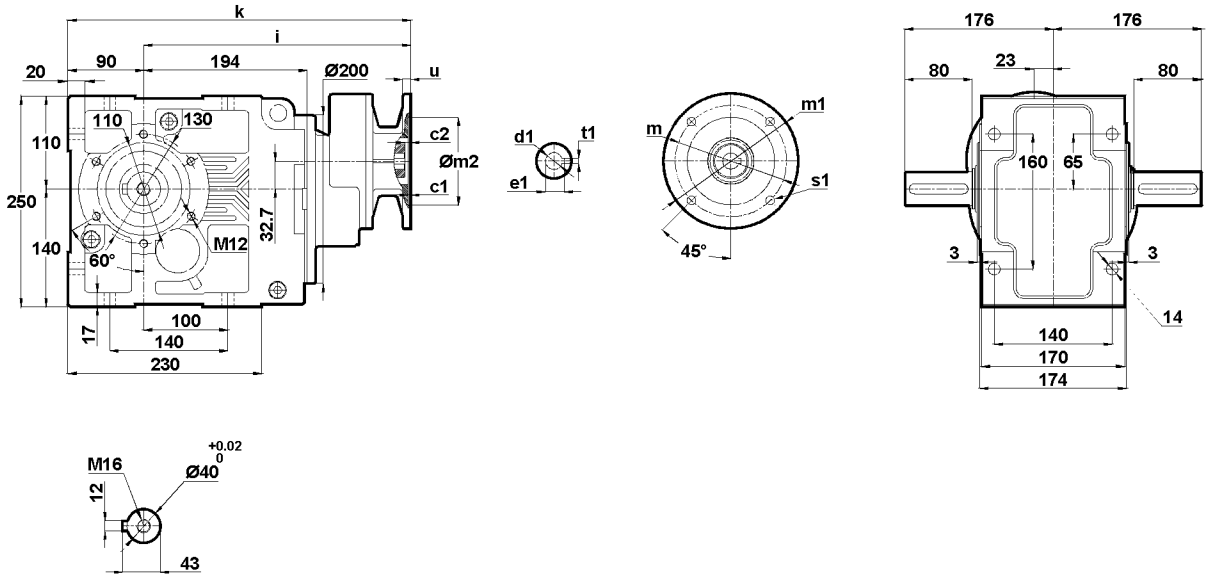


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

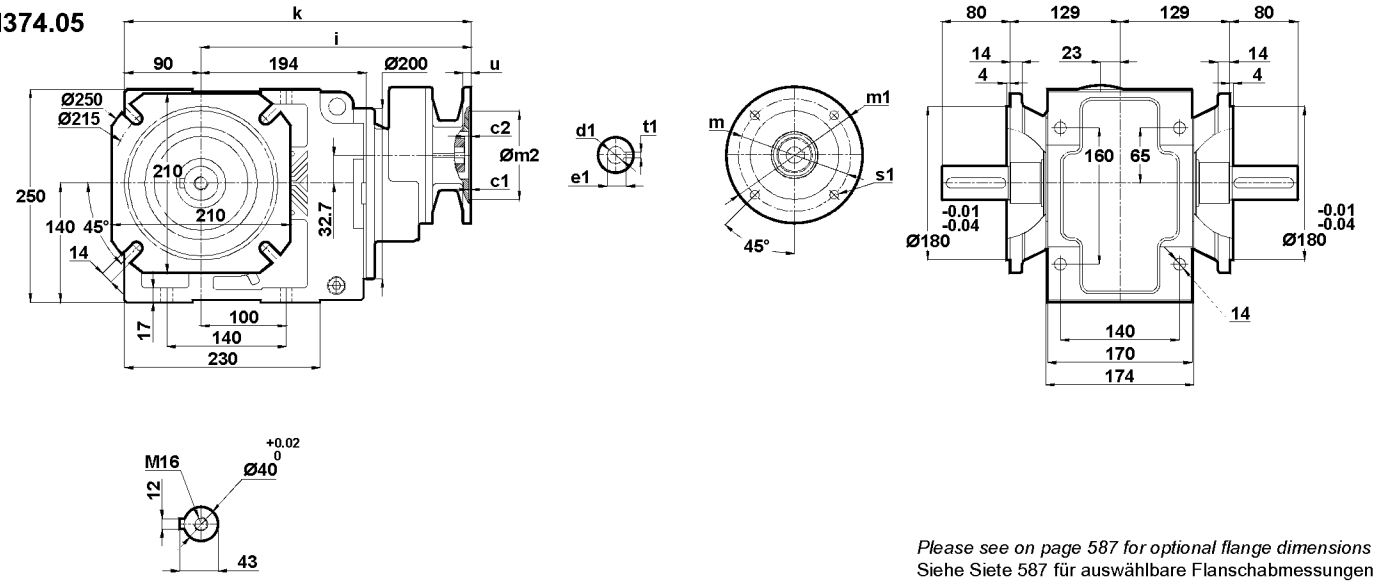
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN374.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

KN374.05

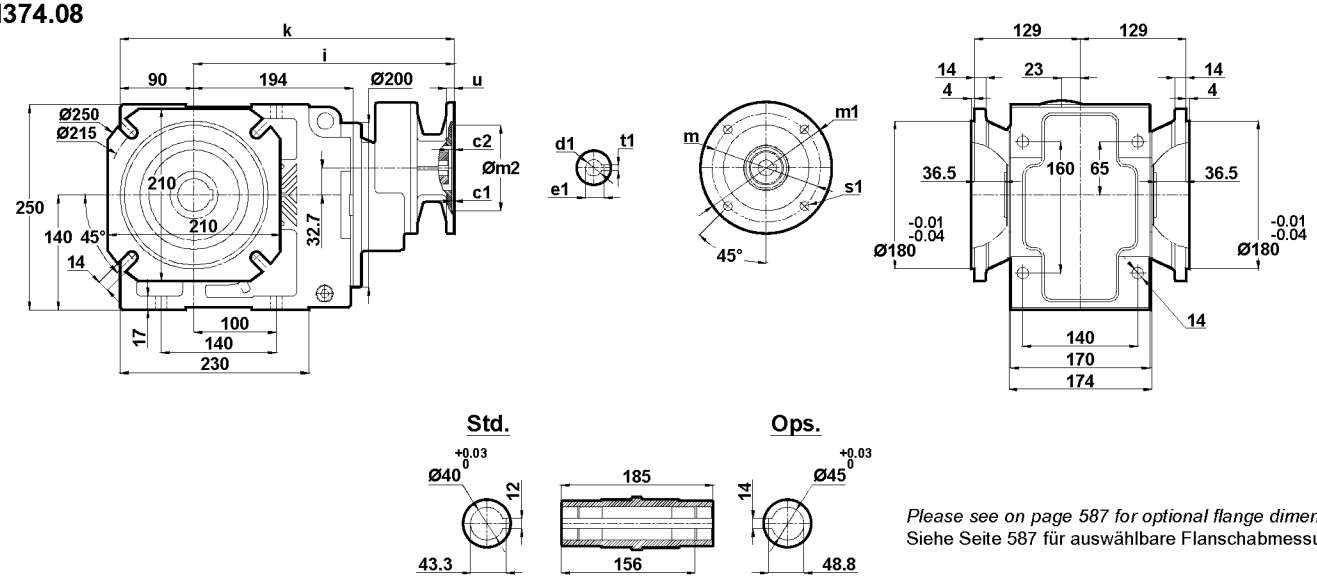


Please see on page 587 for optional flange dimensions
Siehe Siete 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN374.08

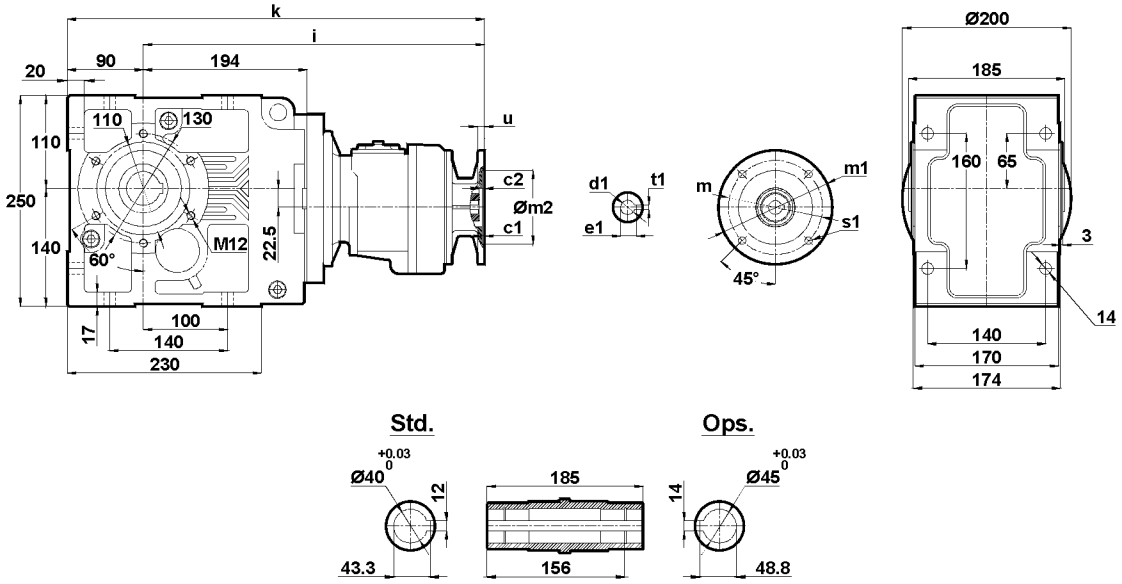


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	337.5	12	427.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	308.5	12 10	398.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	337.5	12	427.5	19	6	21.8

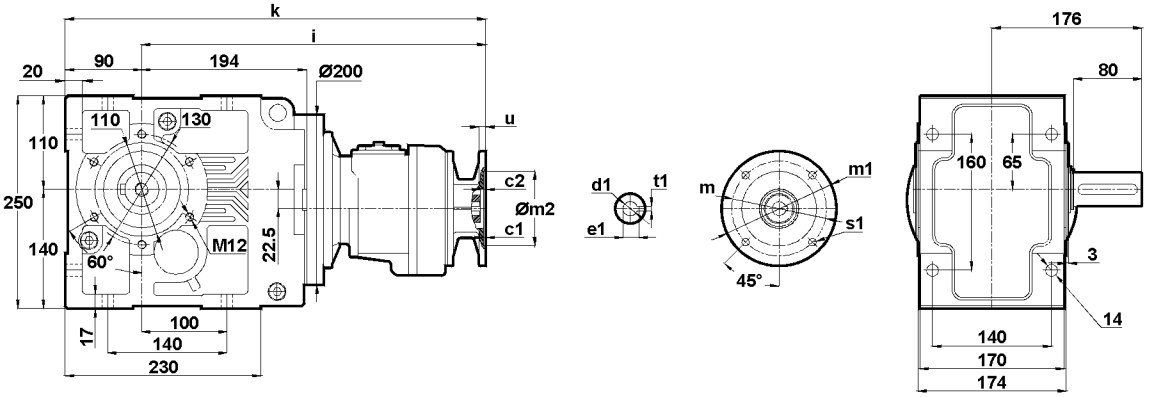
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

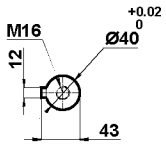
KN375.00
KN376.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

KN375.01
KN376.01



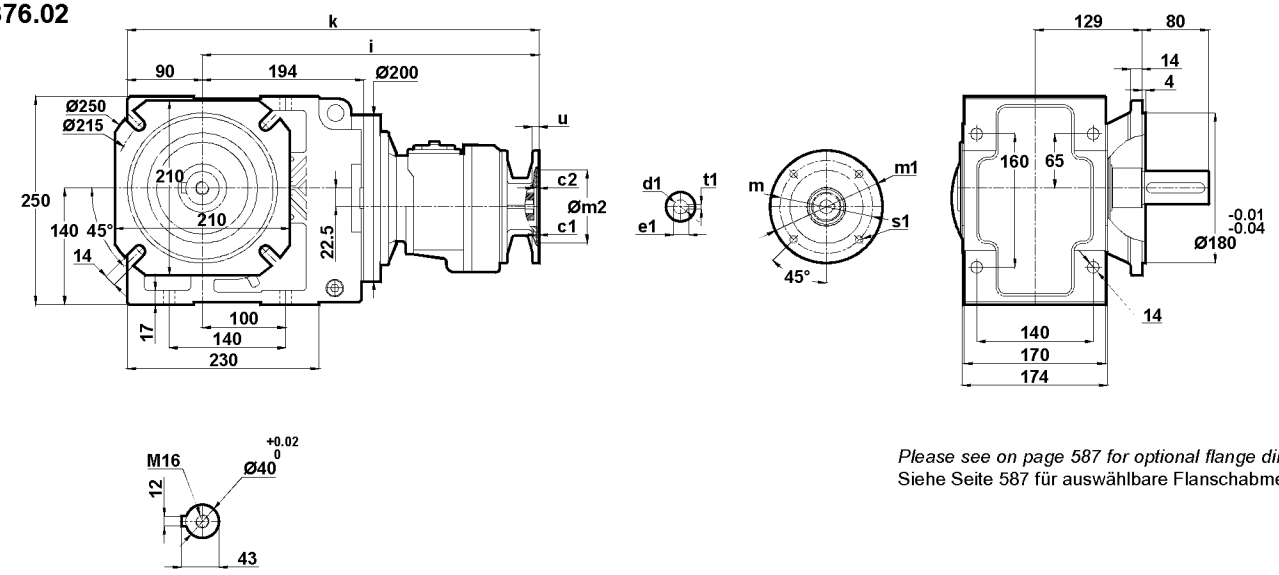


	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN375.02

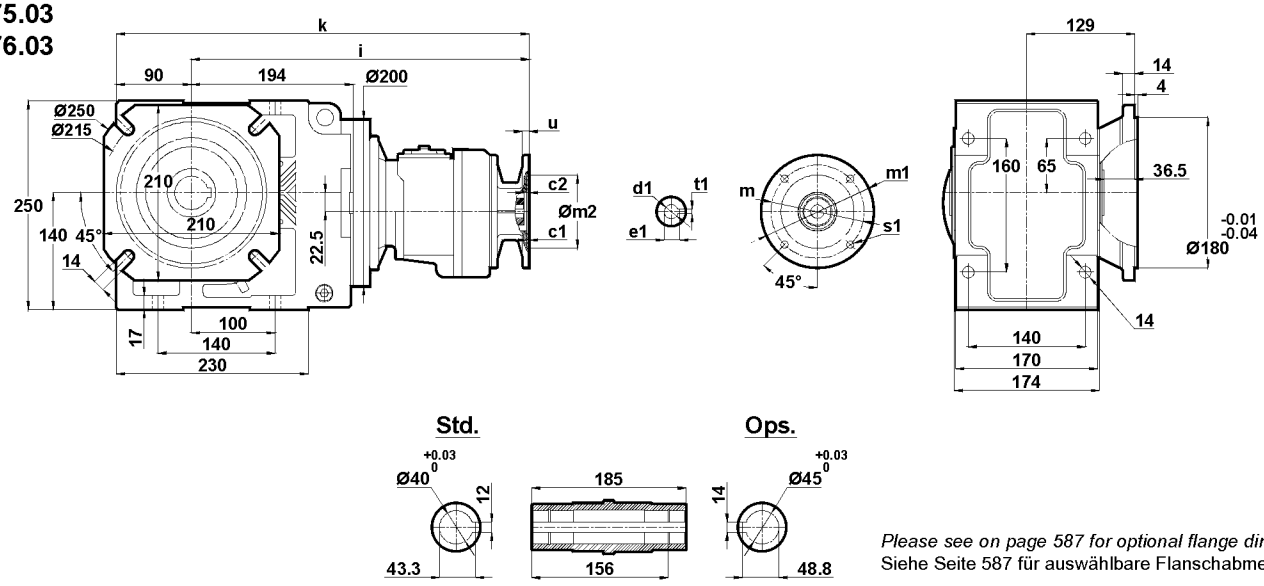
KN376.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

KN375.03
KN376.03

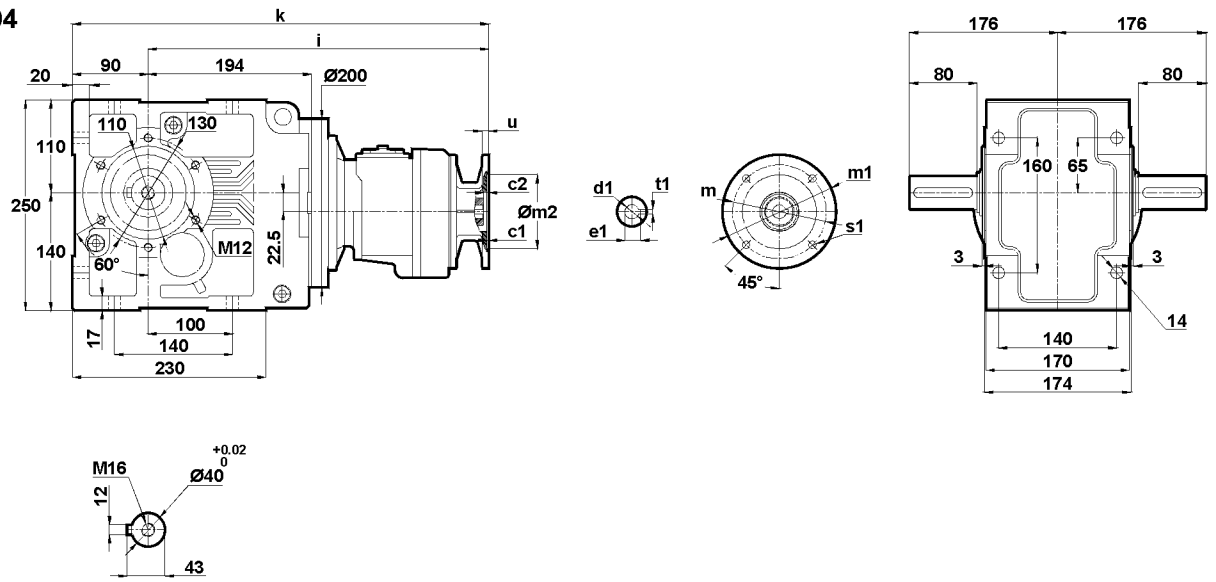


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

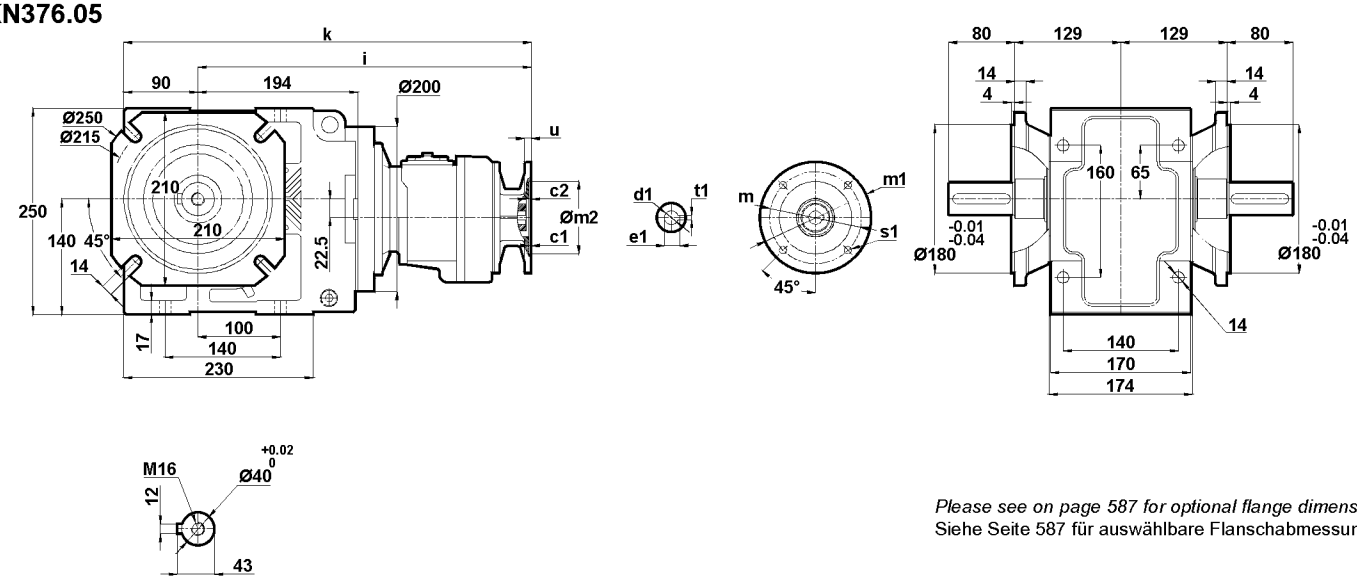
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN375.04
KN376.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

KN375.05
KN376.05



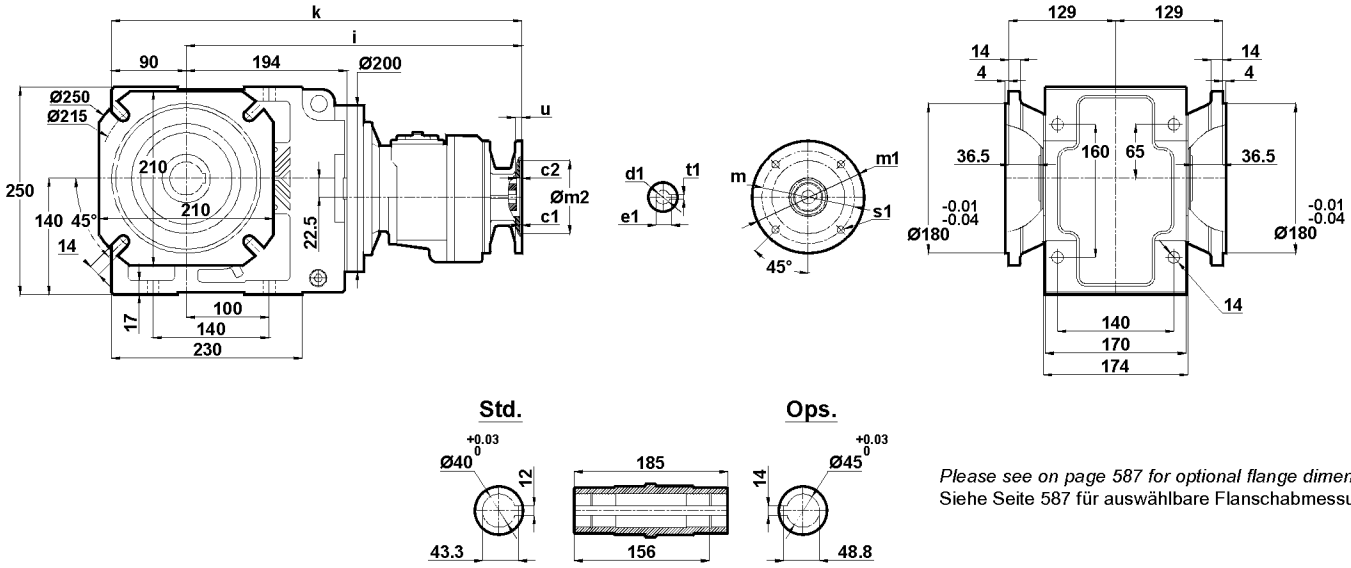
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN375.08

KN376.08

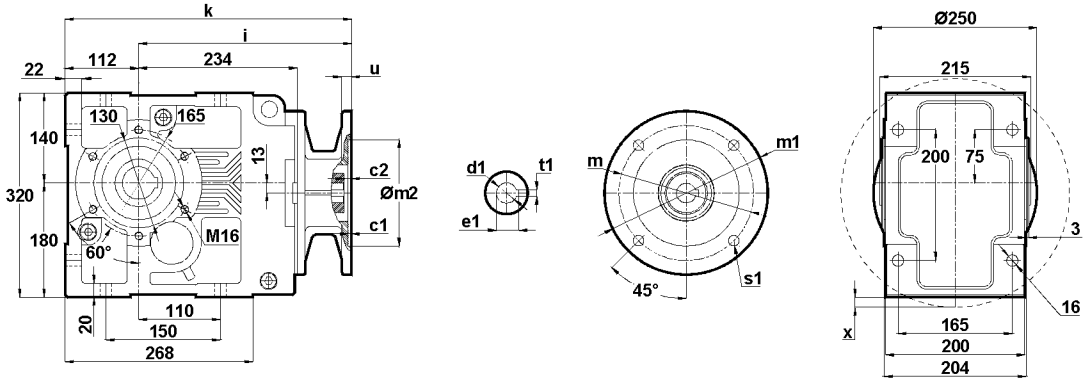


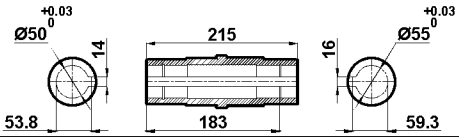
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	10	115	140	95	403	10	493	11	4	12.8
63/B14	2.5		5.5	75	90	60						
71/B5	4	4.5	11	130	160	110	404.5	12	494.5	14	5	16.3
71/B14	3		7	85	105	70		10				

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN473.00

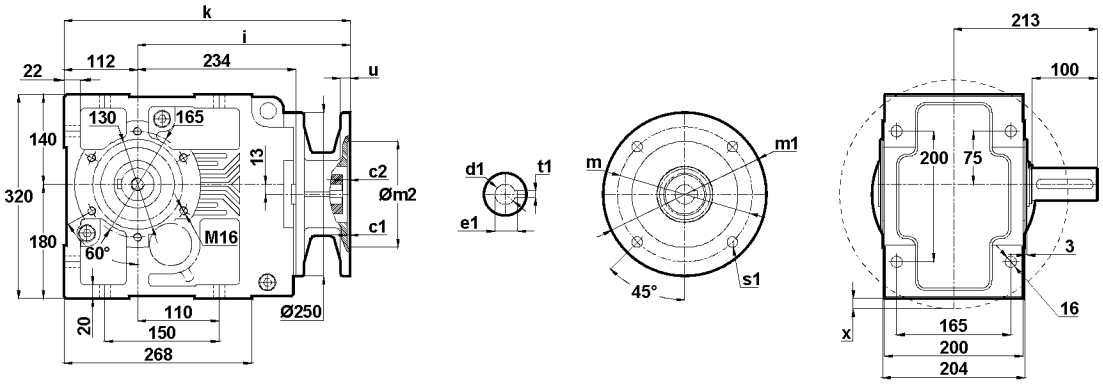


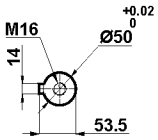


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

KN473.01



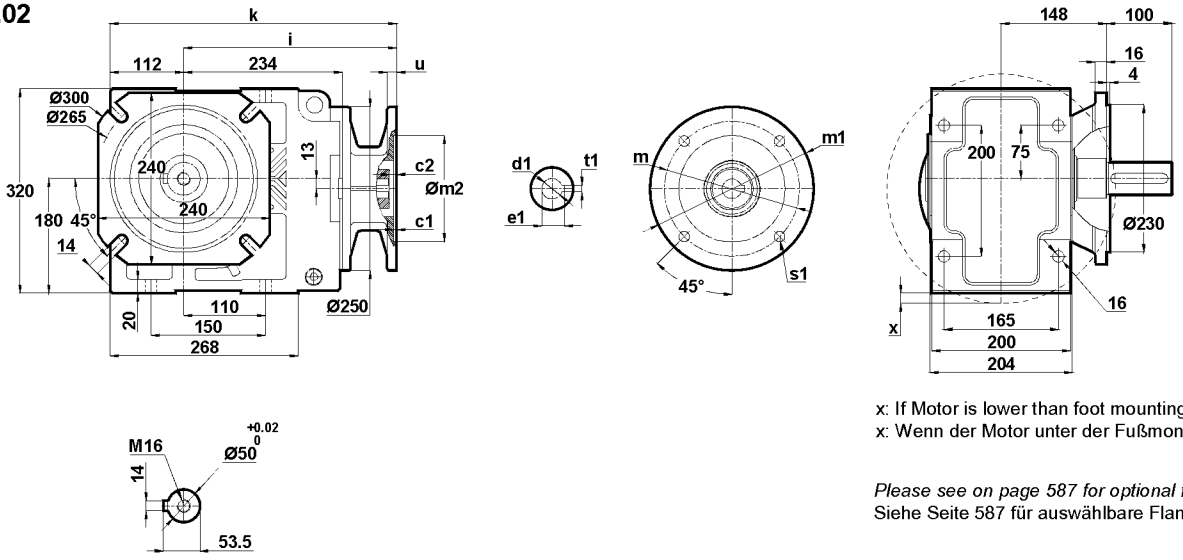


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN473.02

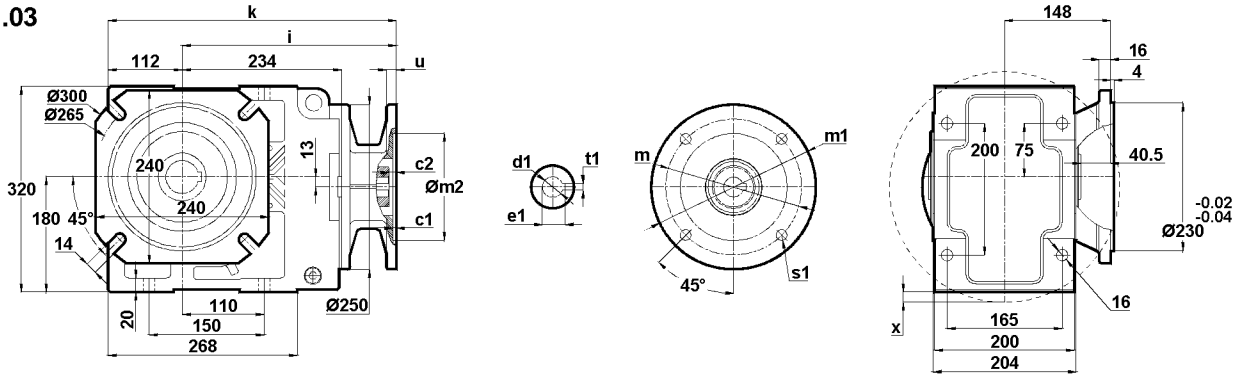


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

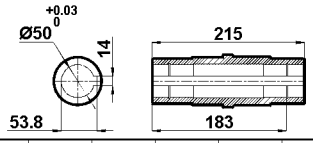
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

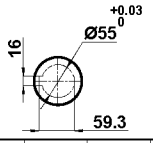
KN473.03



Std.



Ops.



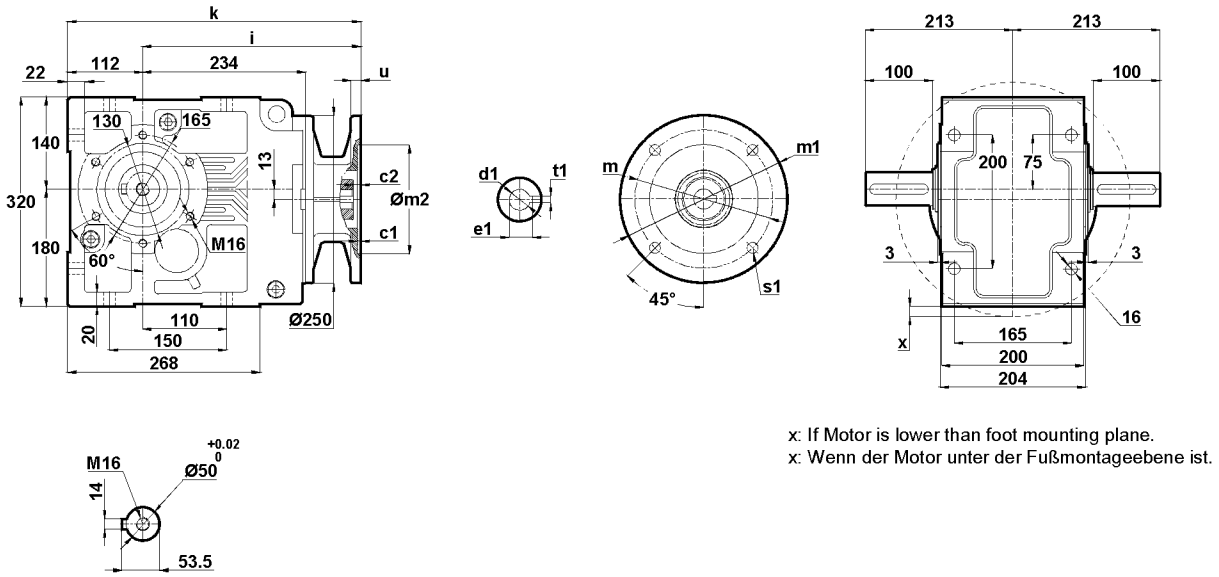
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

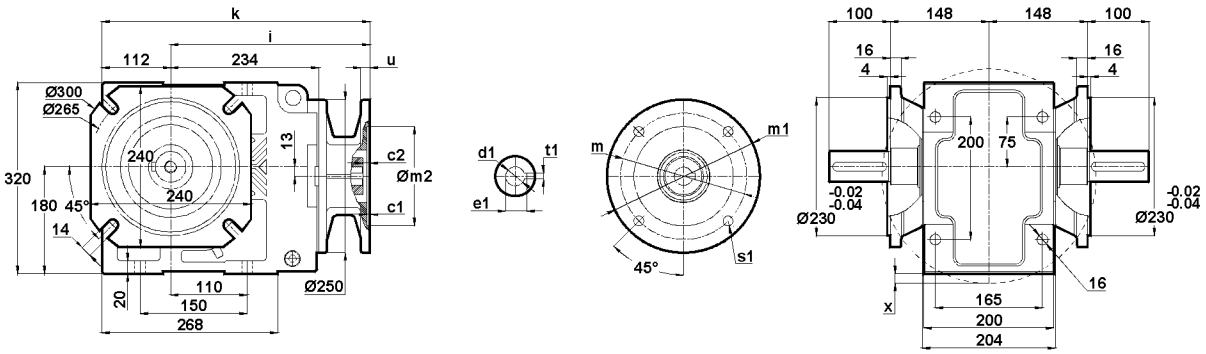
KN473.04

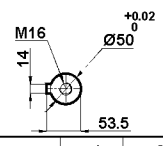


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

KN473.05





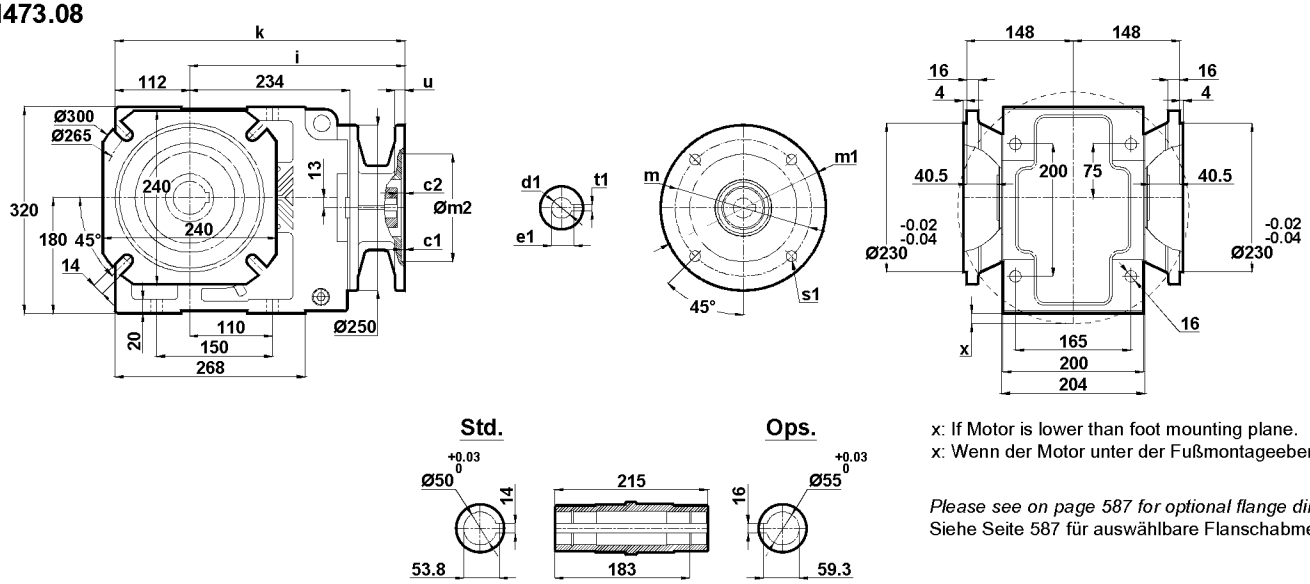
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN473.08



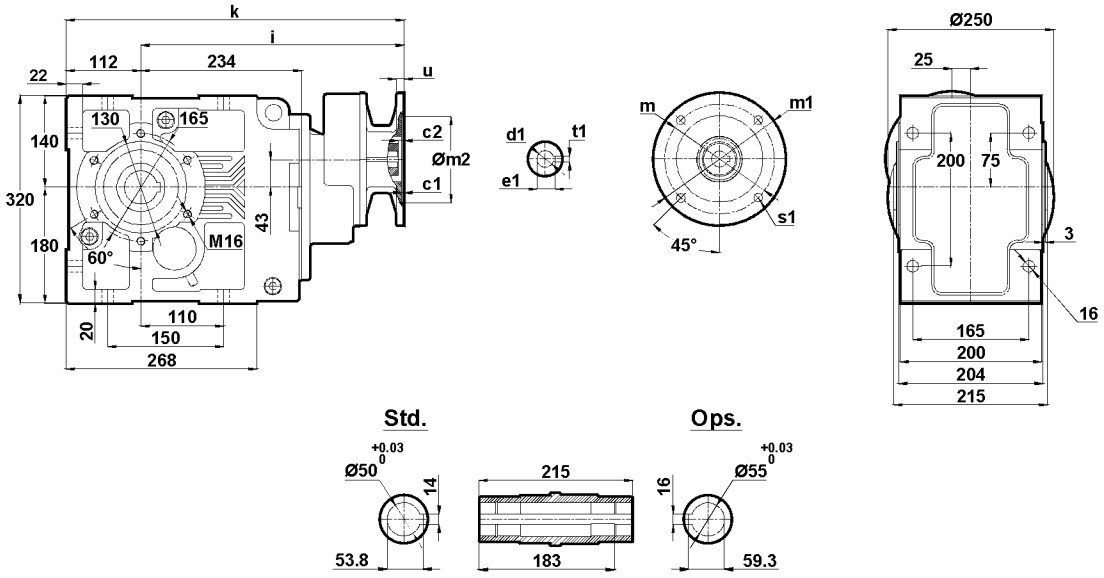
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	290.5	12	402.5	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	290.5	12	402.5	24	8	27.3	-
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	327.5	15	439.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	407	20	519	42	12	45.3	8
180/B5	5.5	10	19	300	350	250	407	20	519	48	14	51.8	8

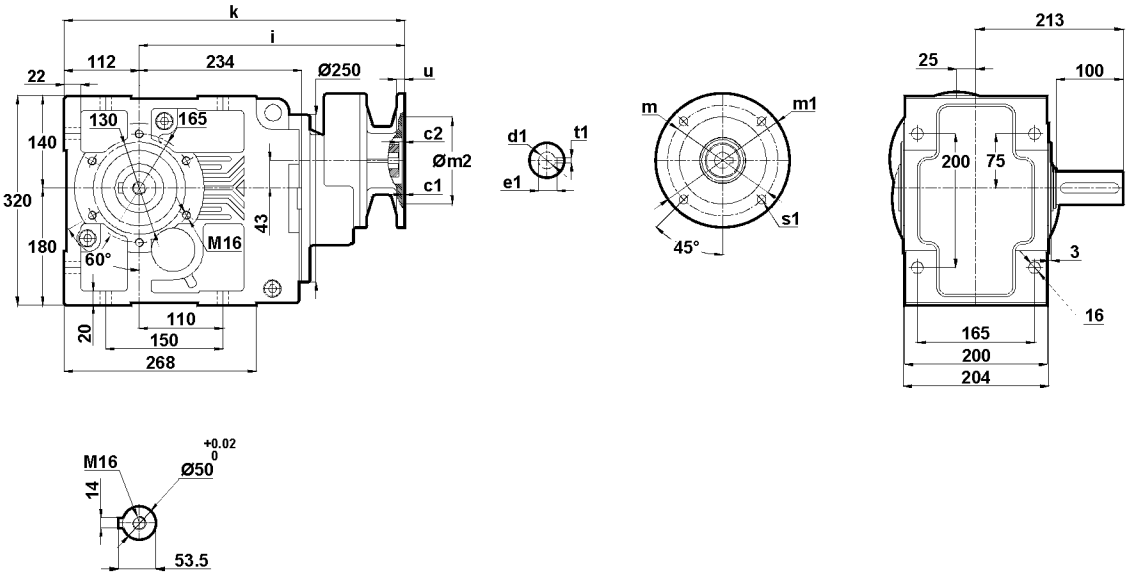
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN474.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

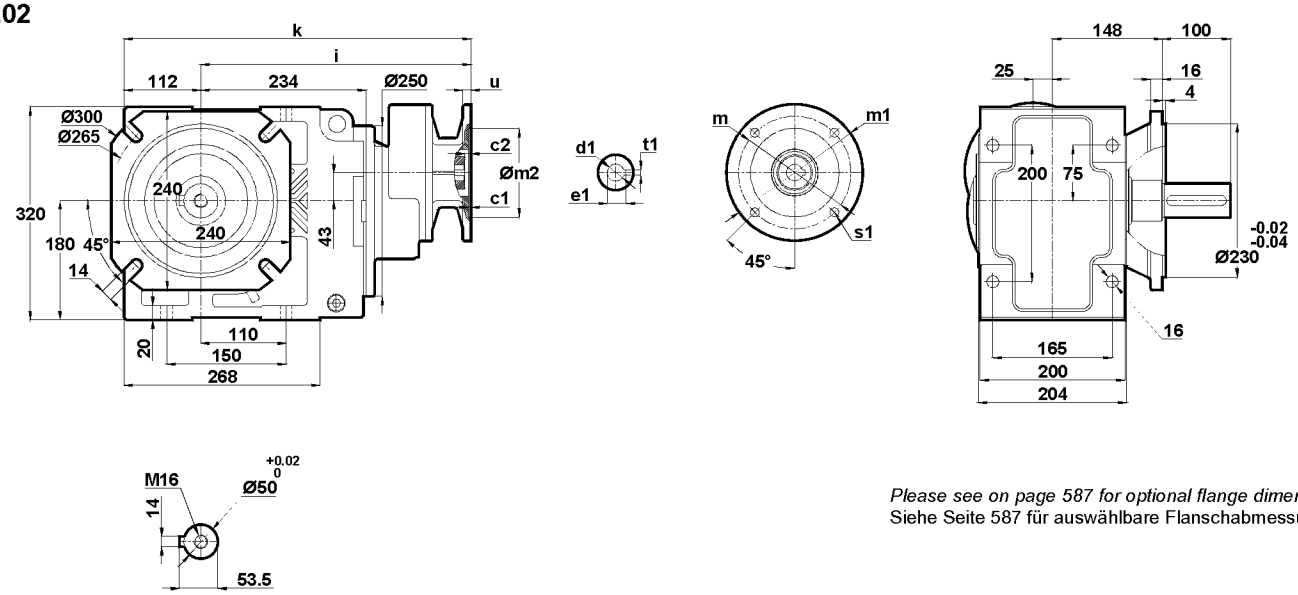
KN474.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

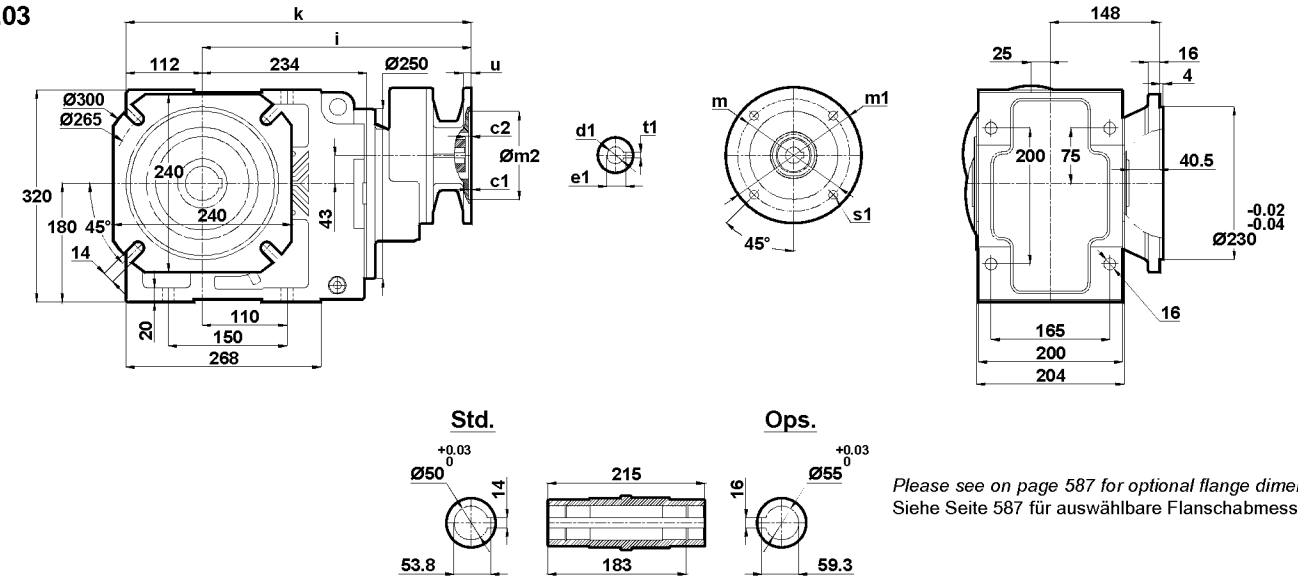
KN474.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

KN474.03

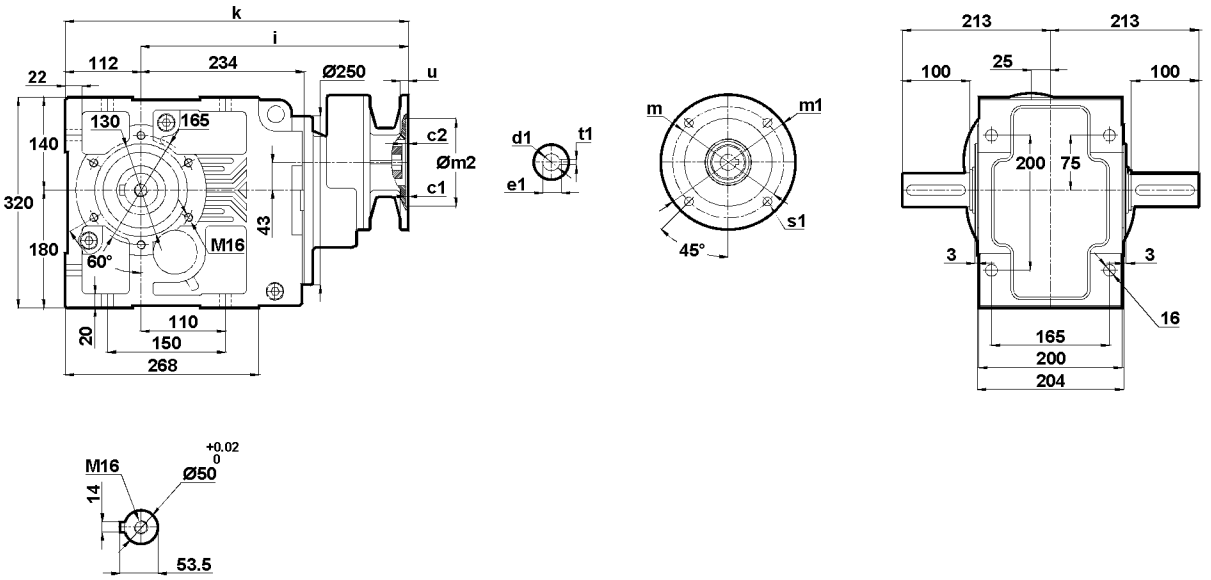


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

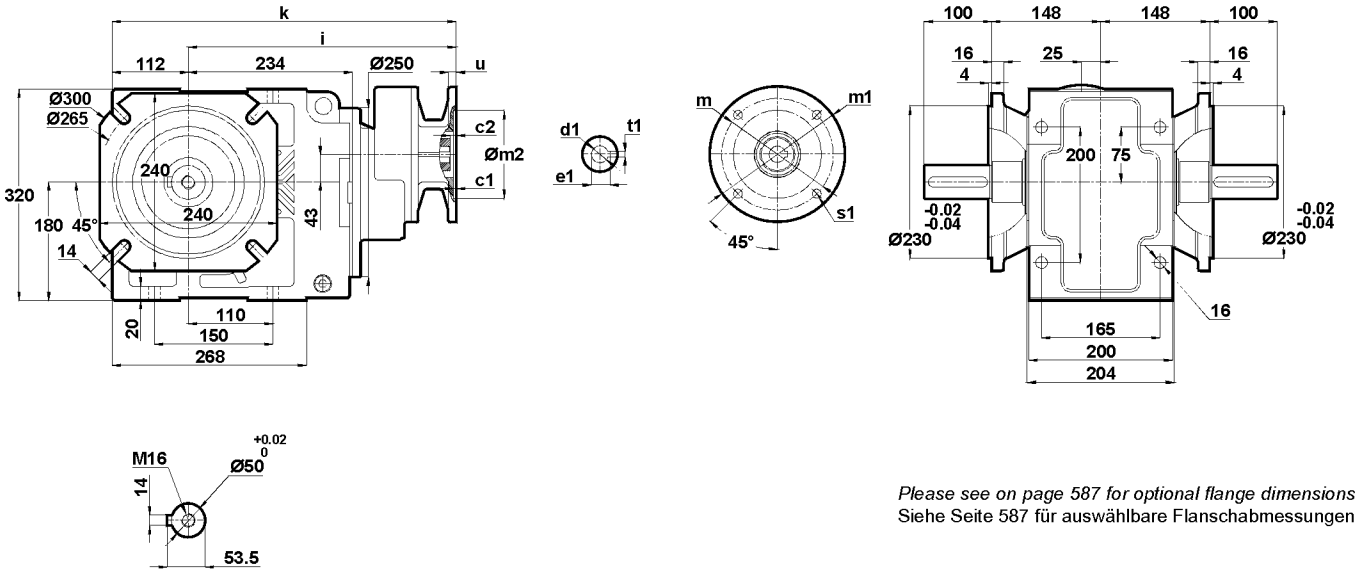
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN474.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

KN474.05

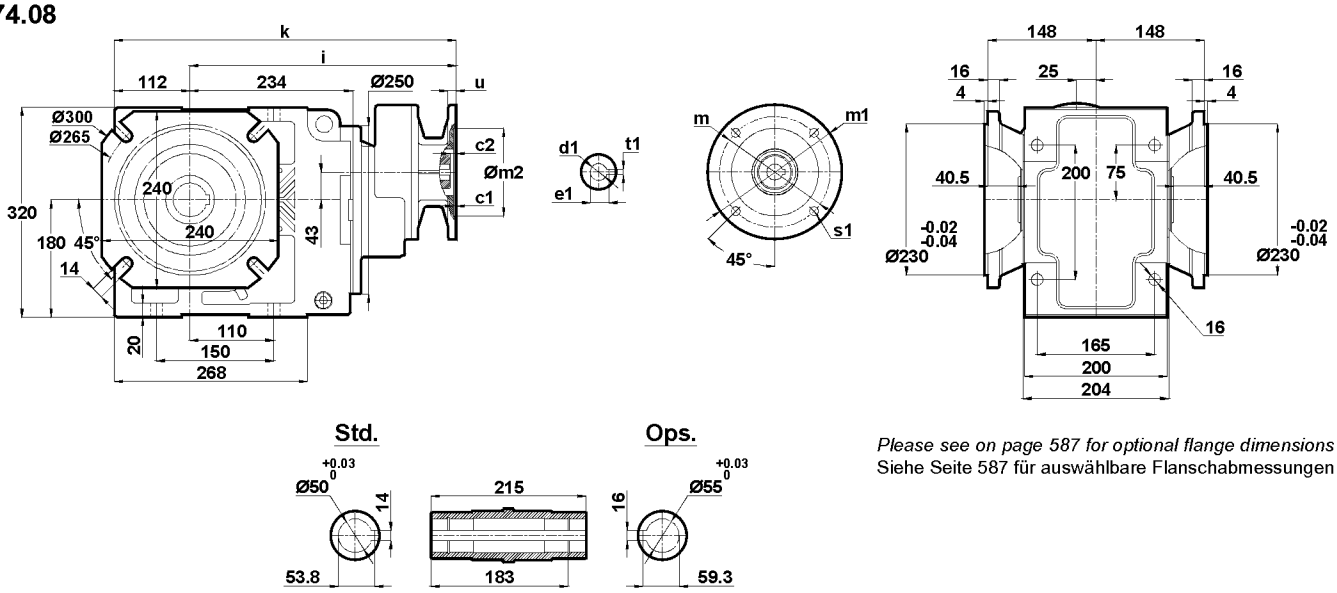


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN474.08

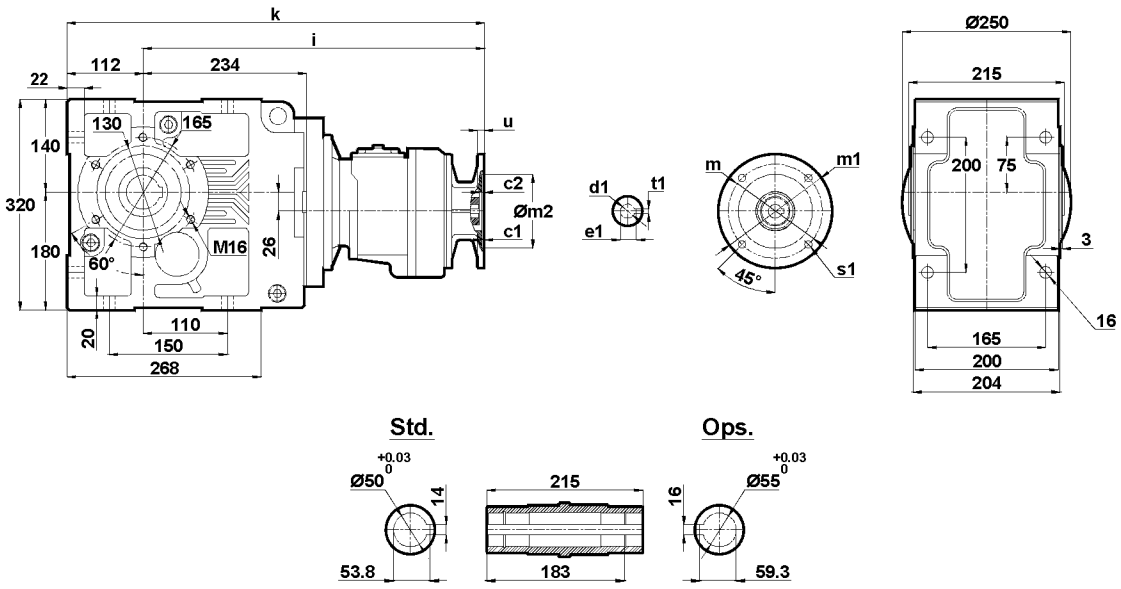


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	388.5	12	500.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	388.5	12	500.5	19	6	21.8

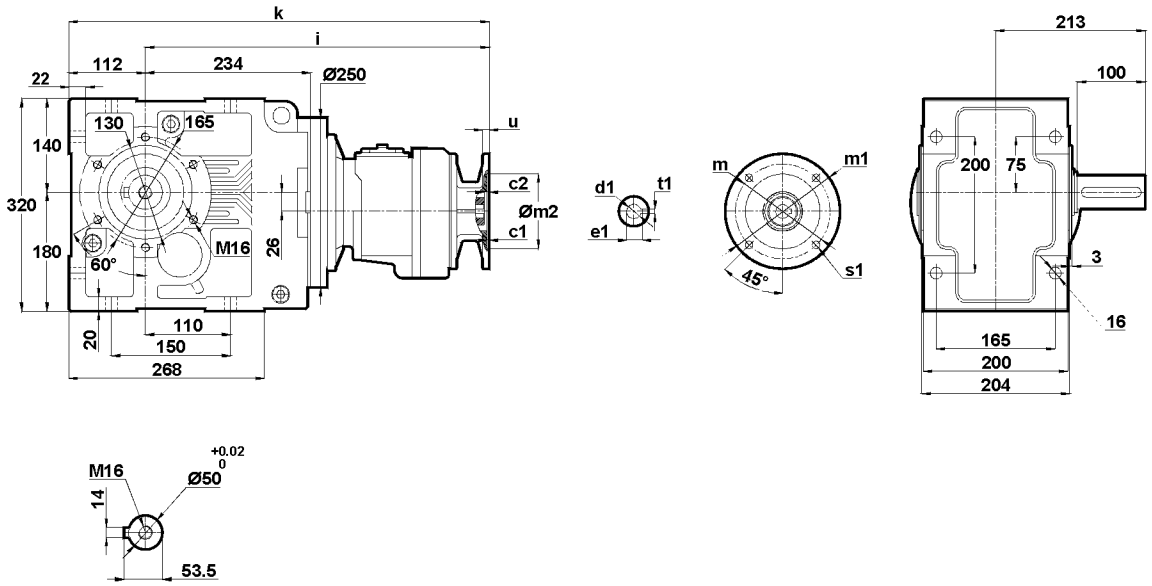
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN475.00
KN476.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

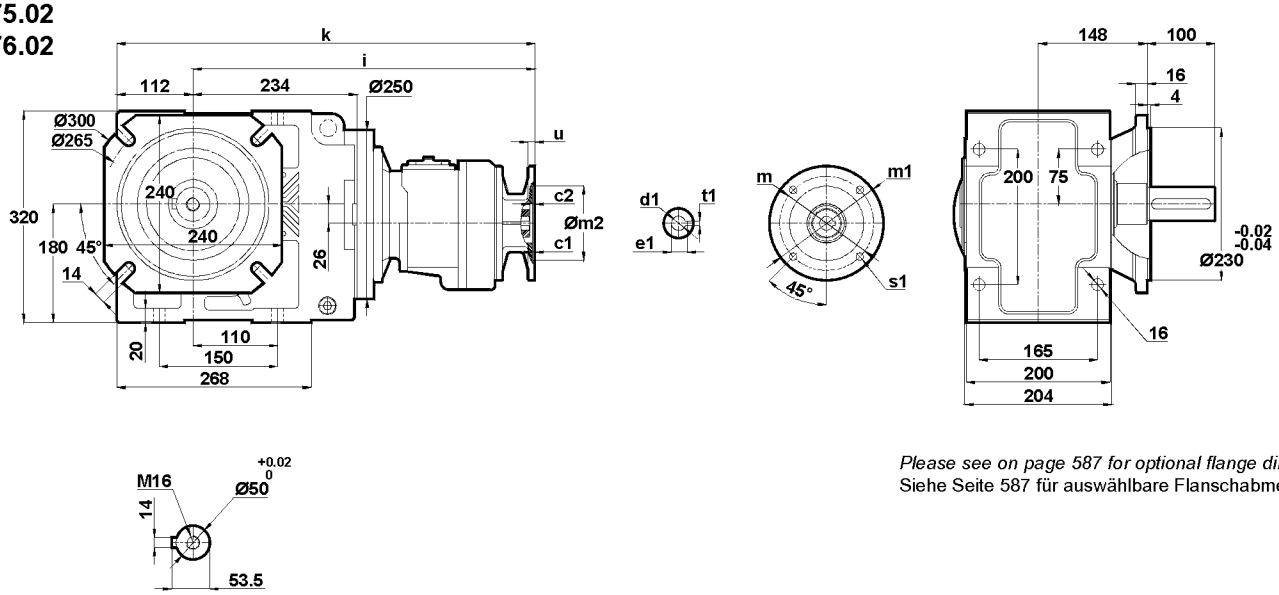
KN475.01
KN476.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

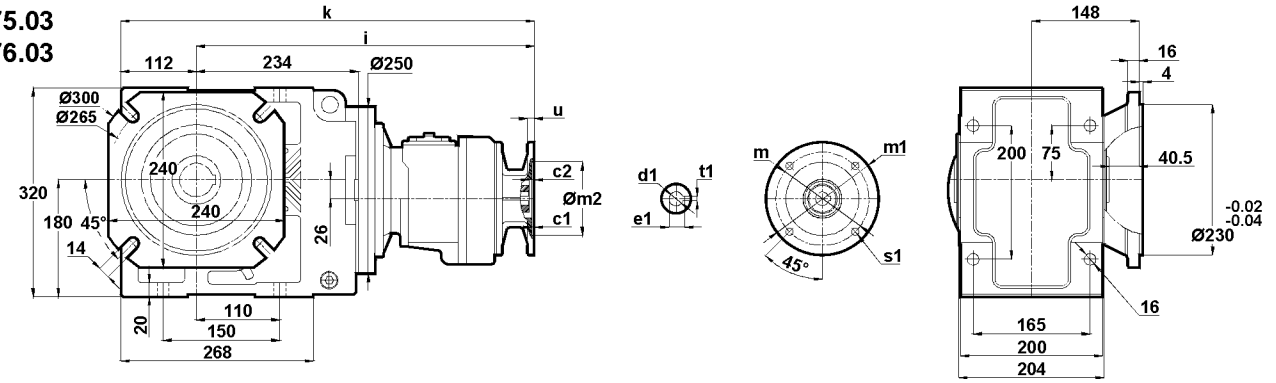
KN475.02
KN476.02



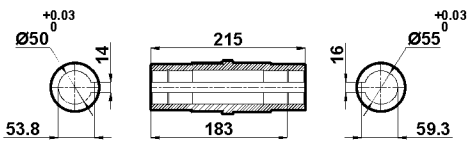
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

KN475.03
KN476.03



Std. **Ops.**

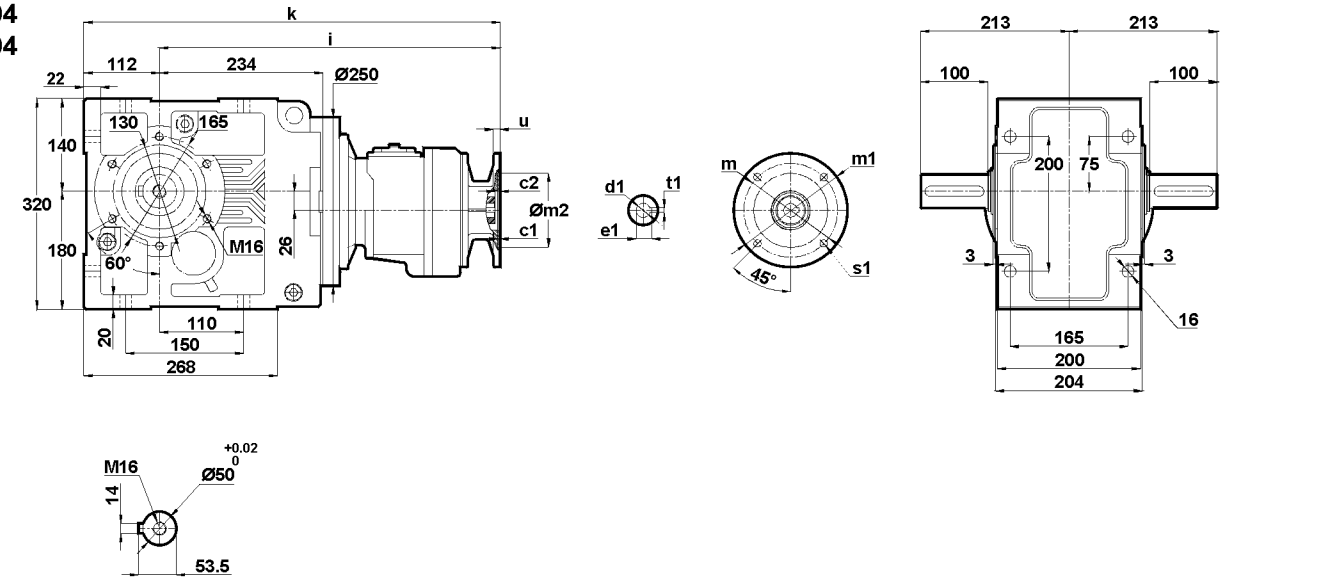


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

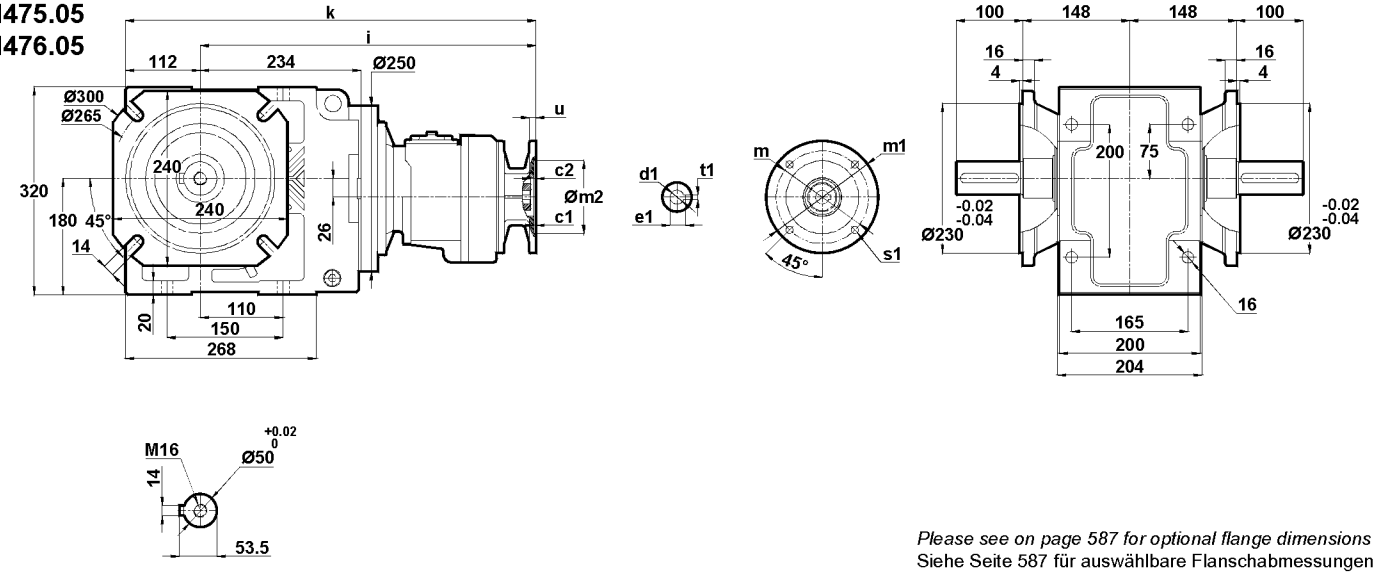
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN475.04
KN476.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

KN475.05
KN476.05

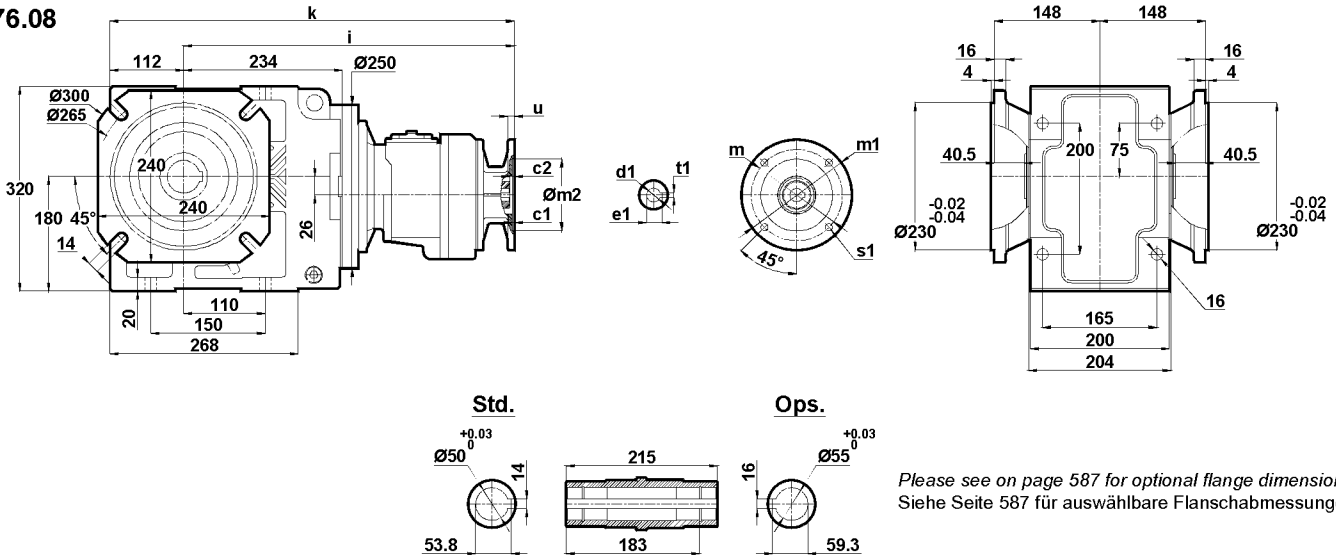


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN475.08
KN476.08

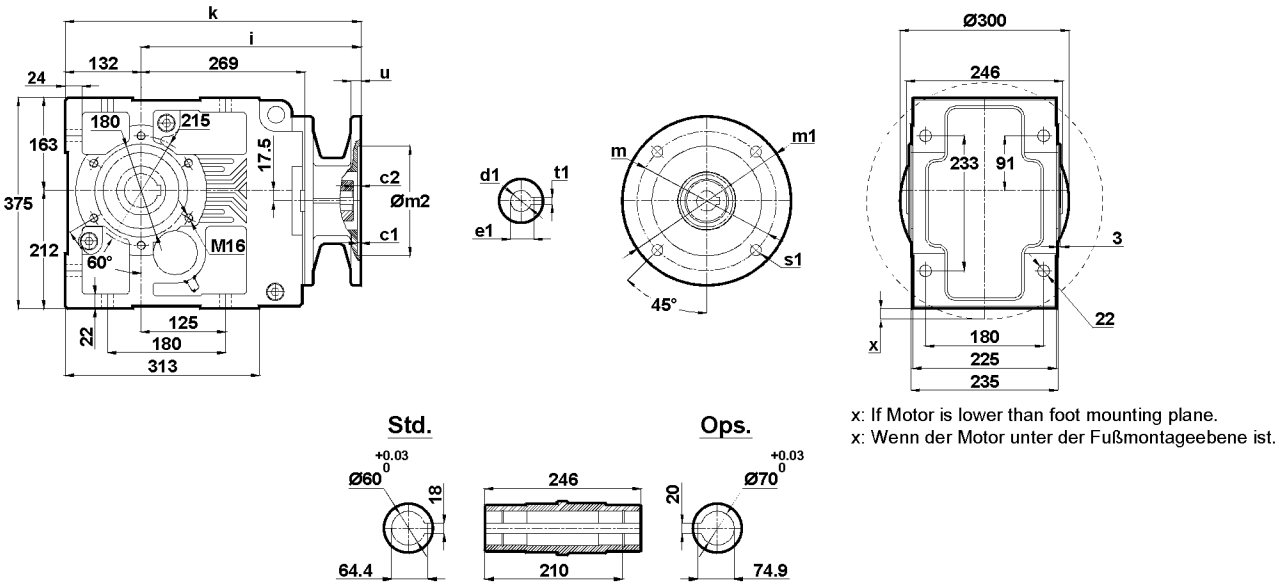


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	516.5	12	628.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	487.5	12 10	599.5	14	5	16.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

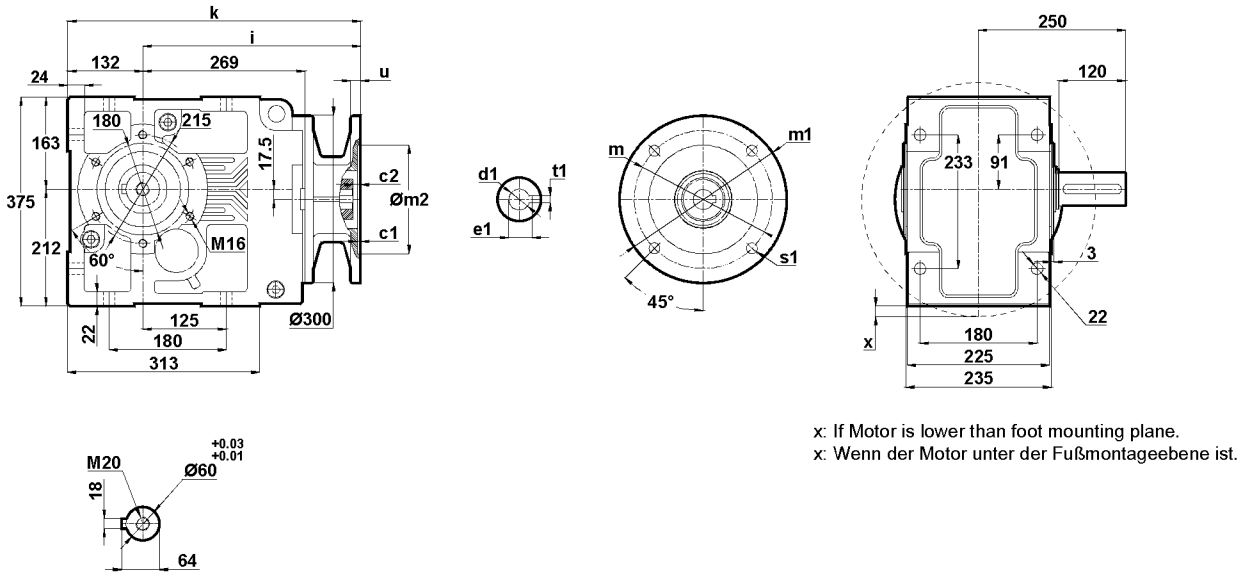
KN573.00



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

KN573.01

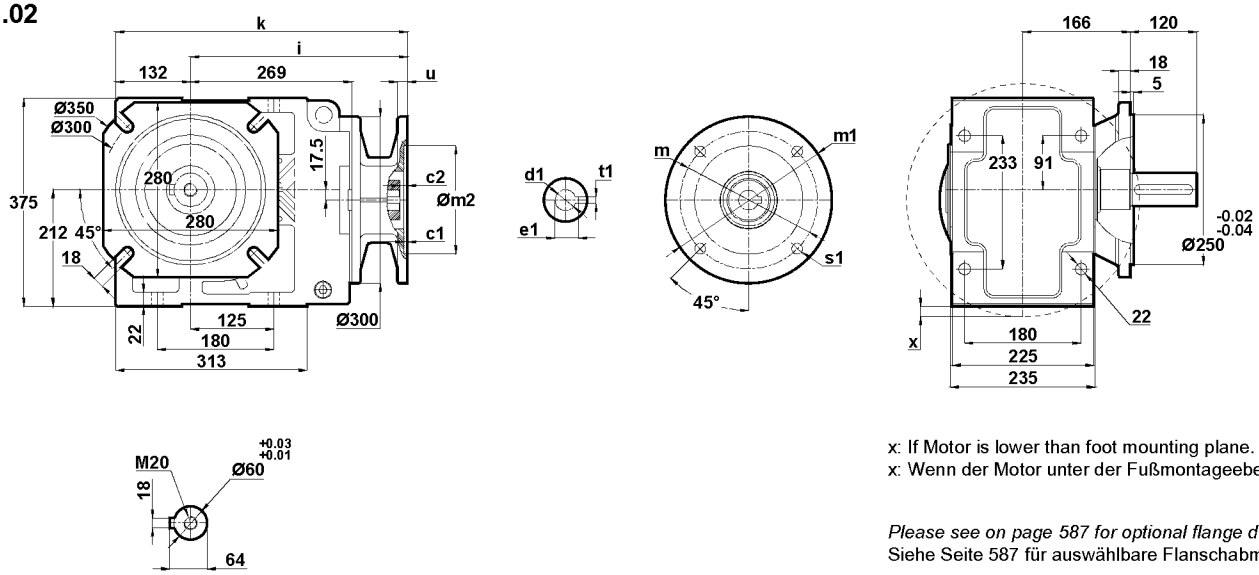


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN573.02

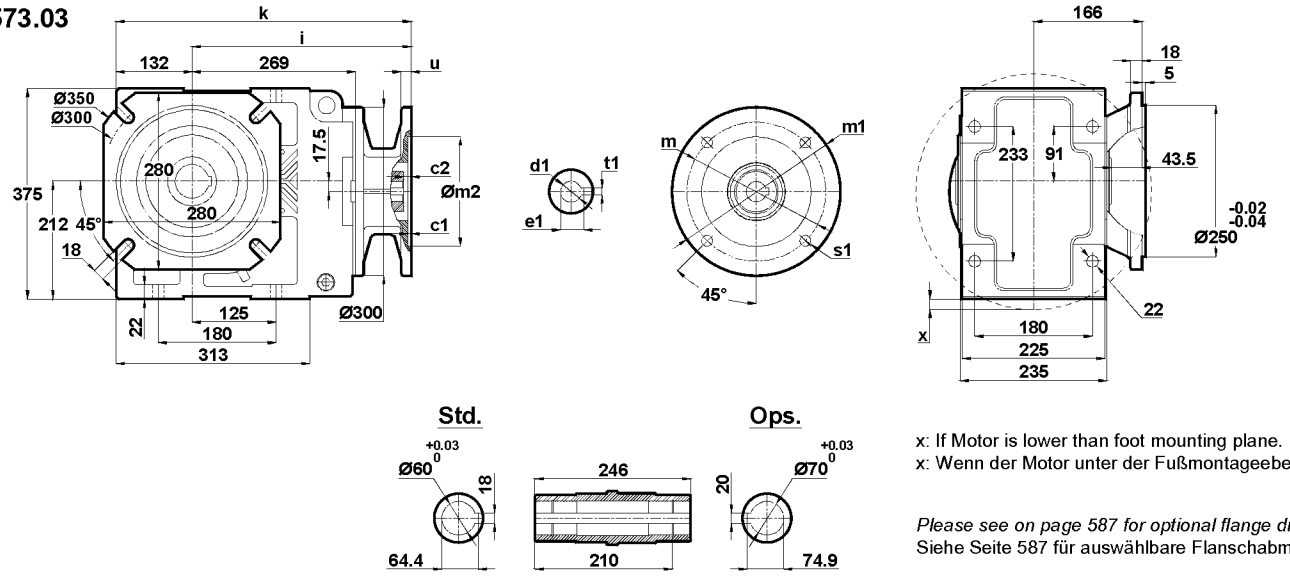


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

KN573.03



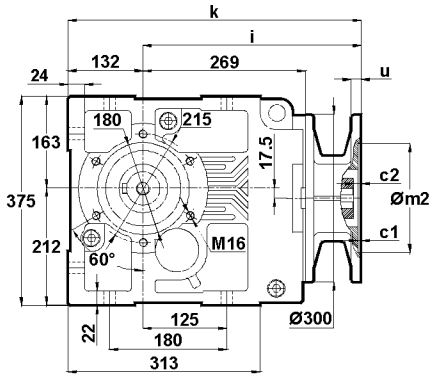
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

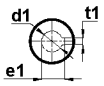
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

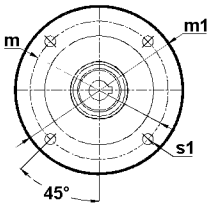
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

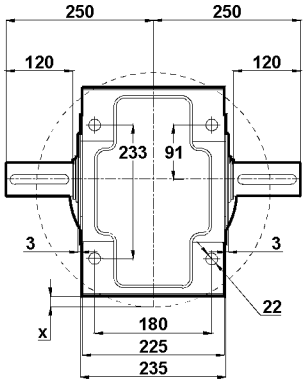
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

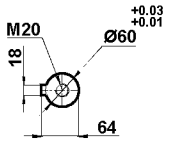
KN573.04







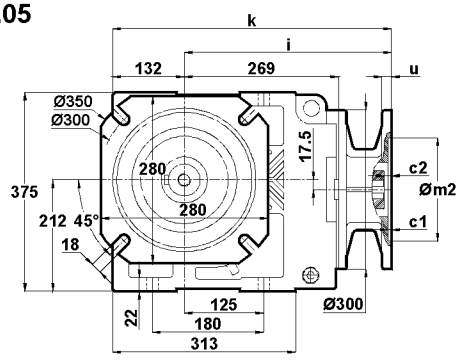


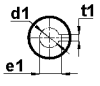


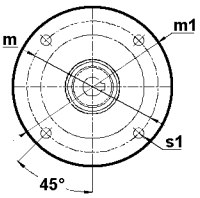
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

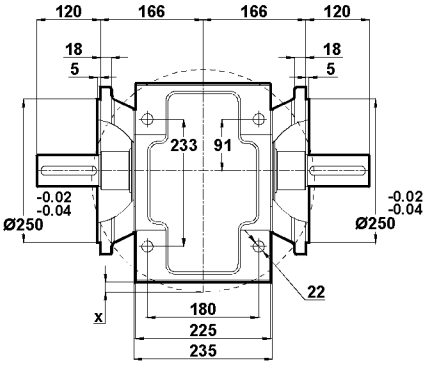
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

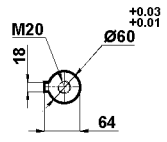
KN573.05











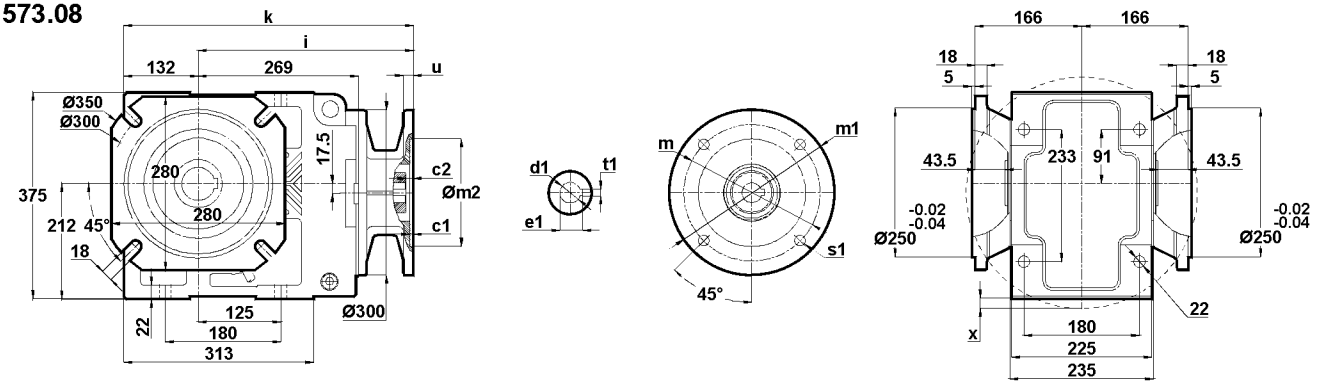
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

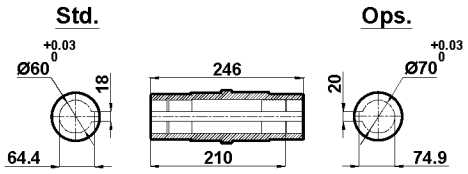
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN573.08





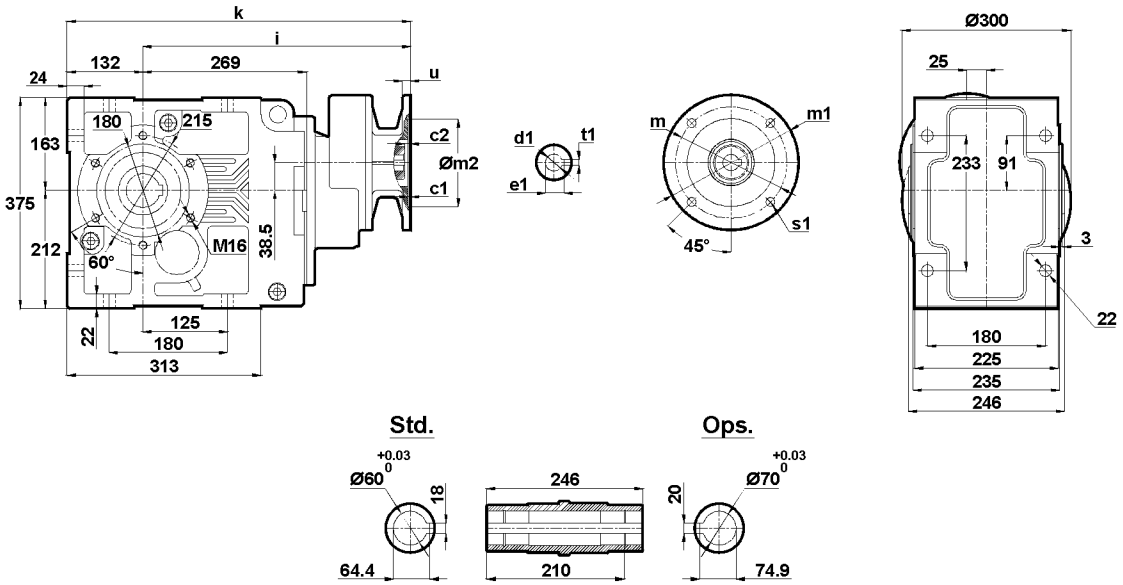
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
112/B5	4.5	9	15	215	250	180	341.5	15	473.5	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	362.5	15	494.5	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

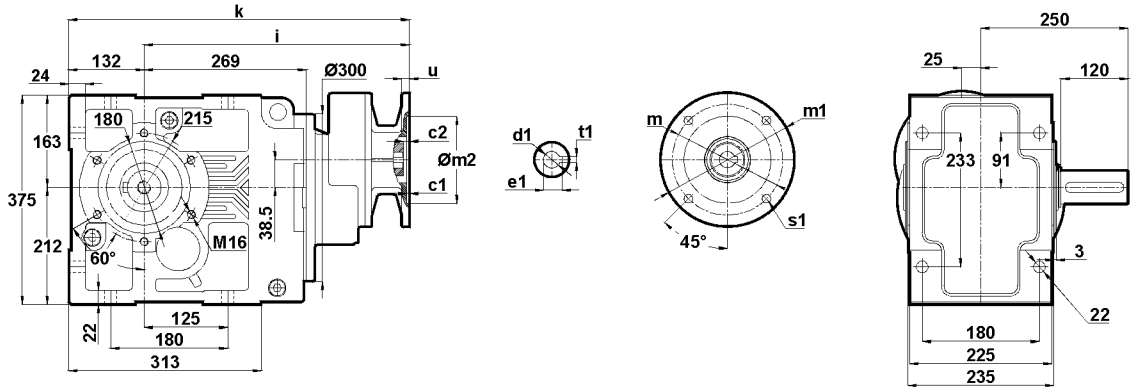
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

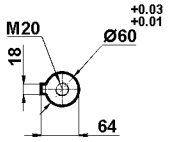
KN574.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

KN574.01

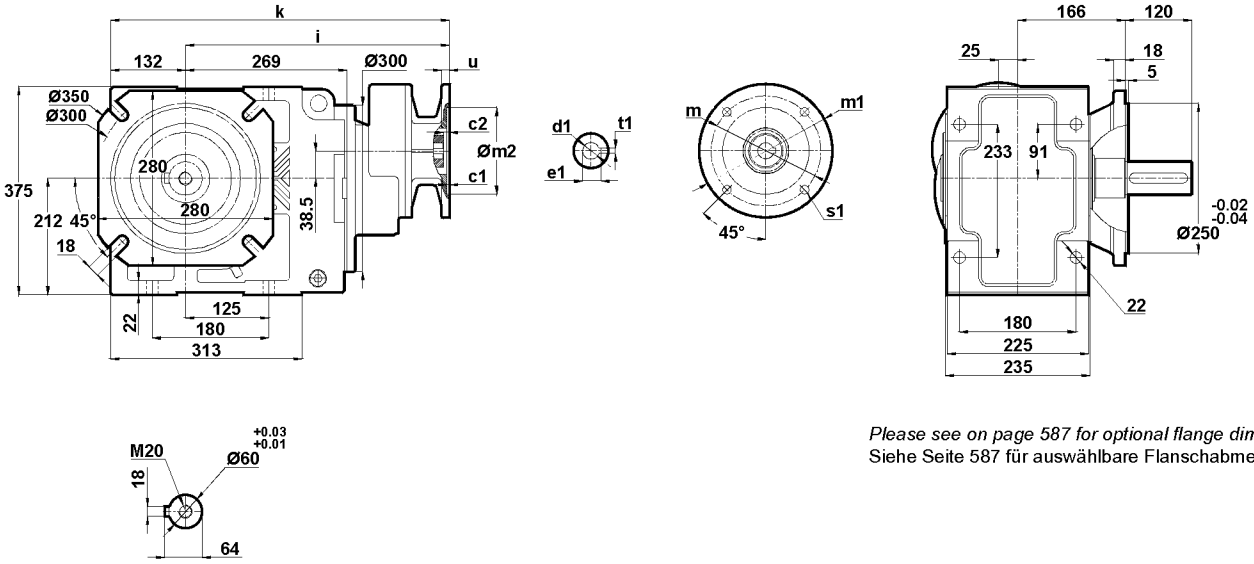




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

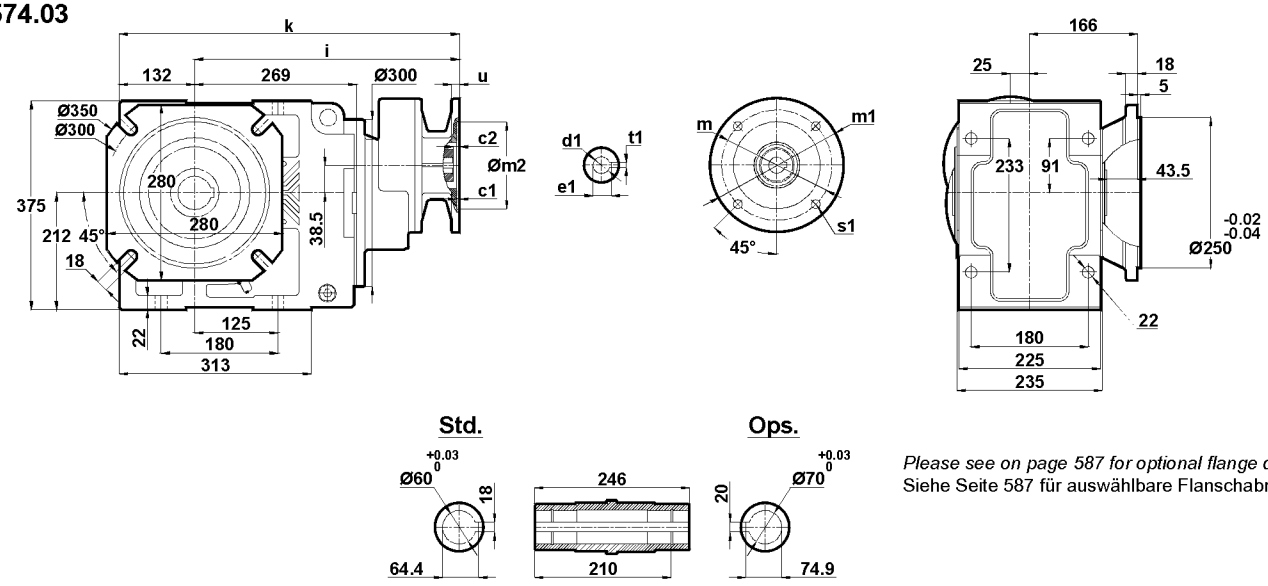
KN574.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

KN574.03



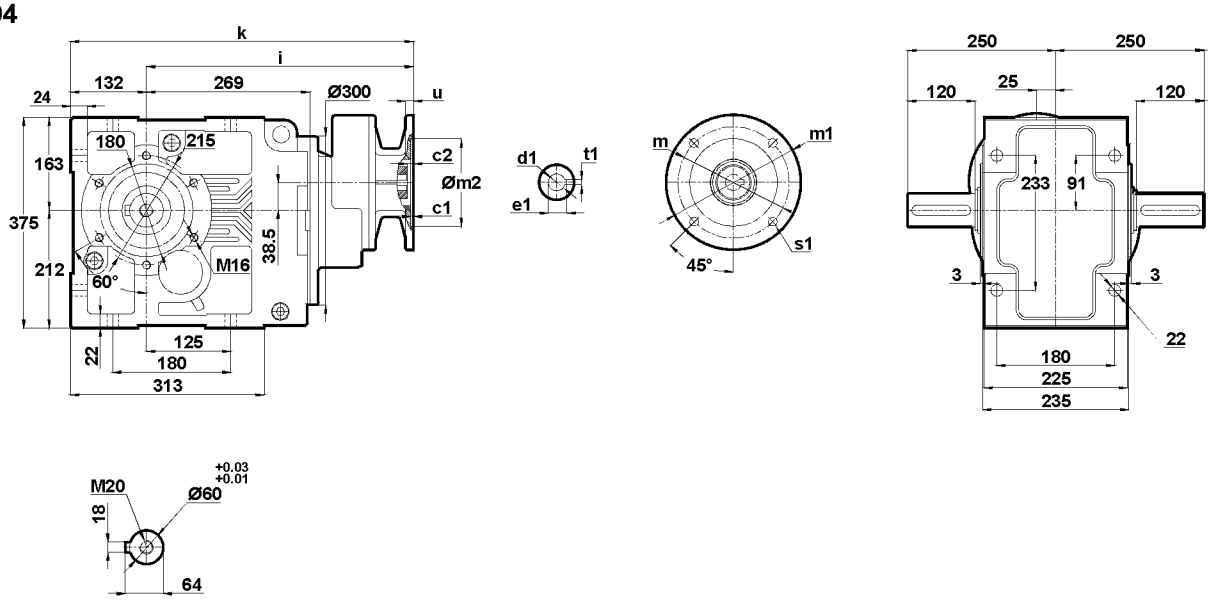
Std. **Ops.**

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

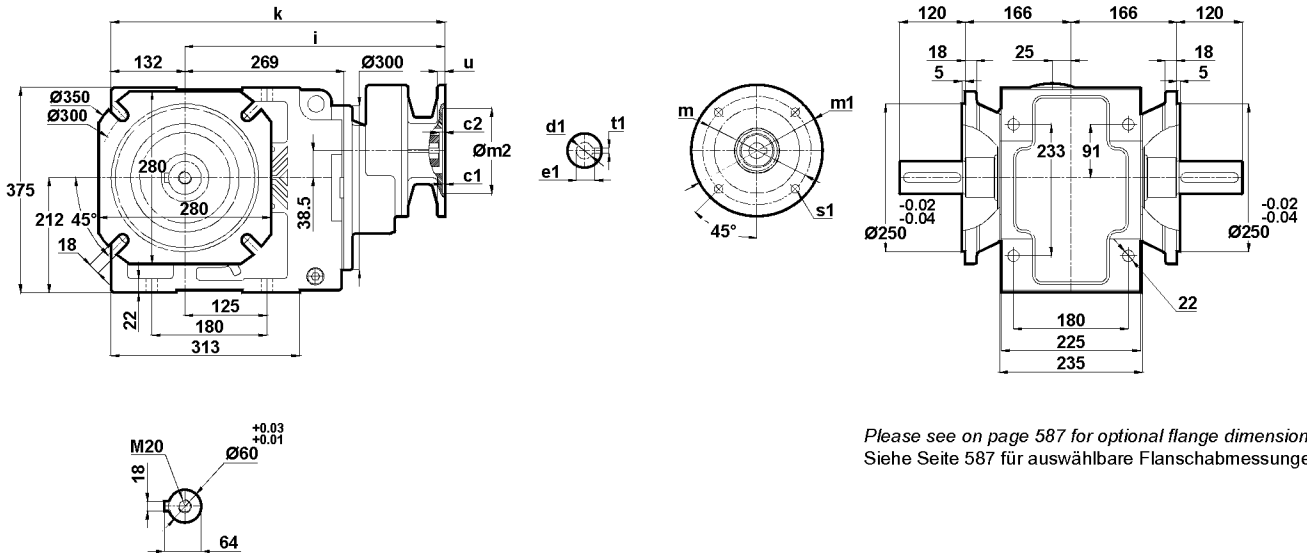
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN574.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

KN574.05

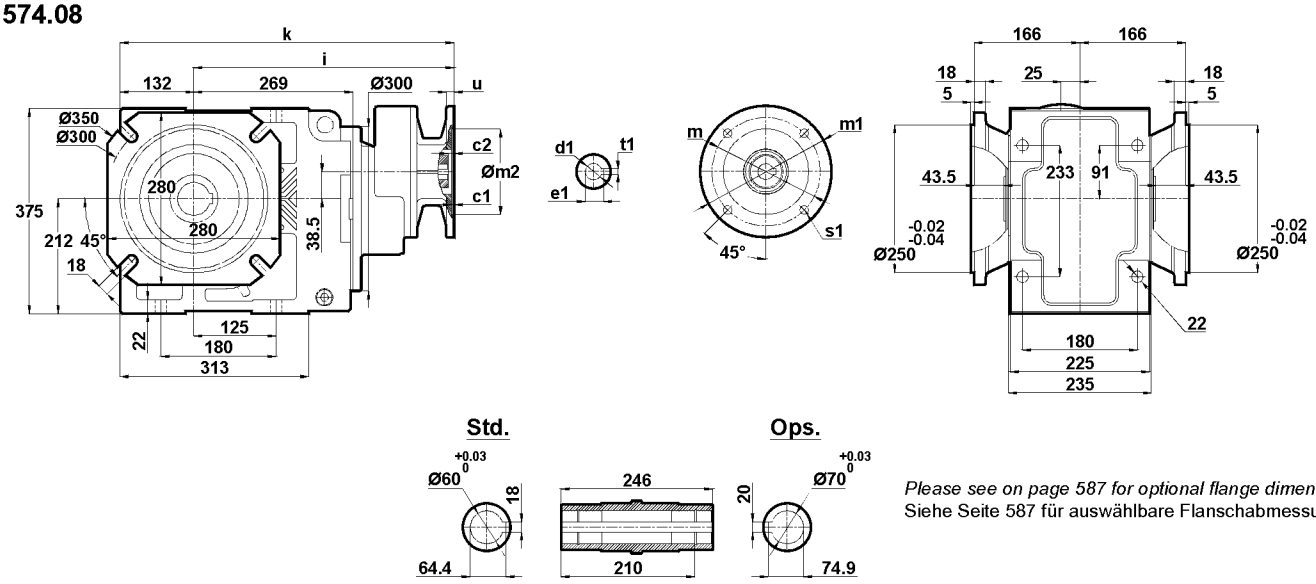


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN574.08

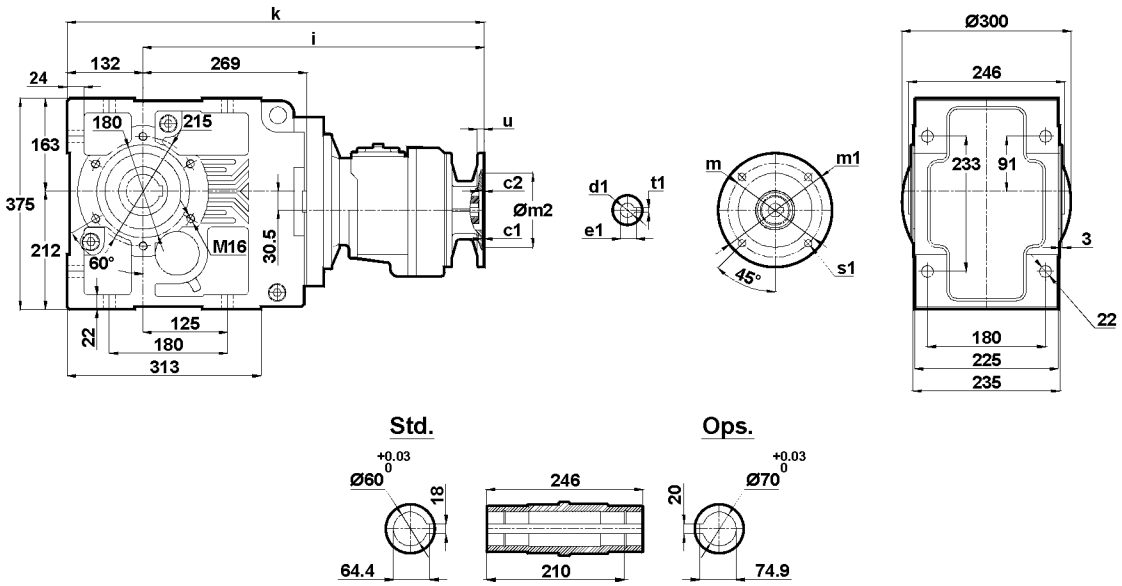


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	421.5	12	553.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	421.5	12	553.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	421.5	12	553.5	24	8	27.3
100/B5	4.5	9	15	215	250	180	438.5	15	570.5	28	8	31.3

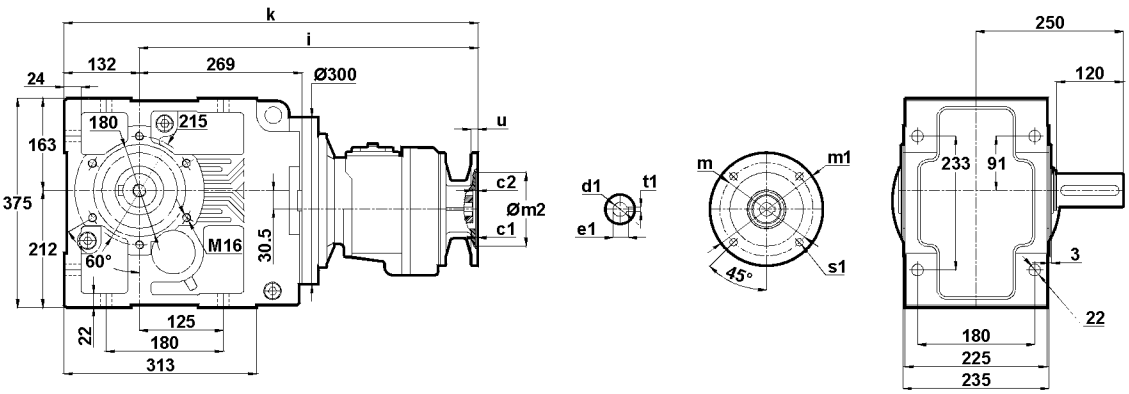
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

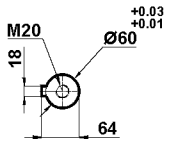
KN575.00
KN576.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

KN575.01
KN576.01

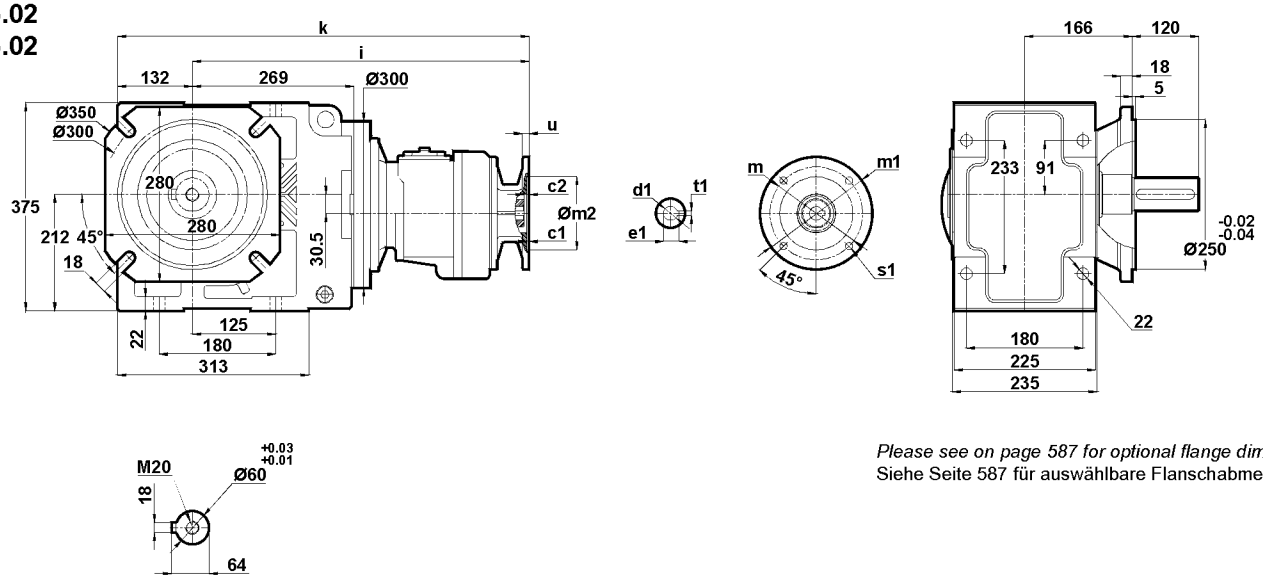




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

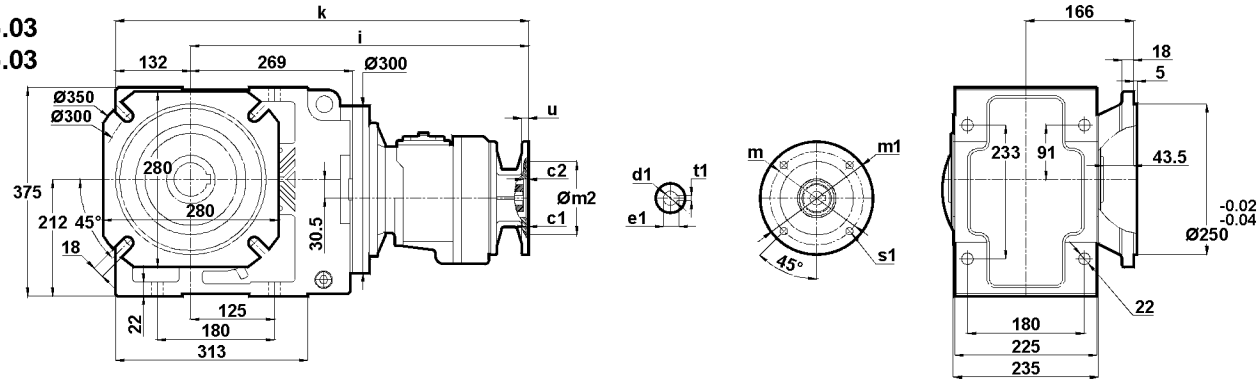
KN575.02
KN576.02



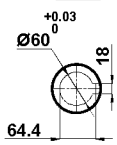
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

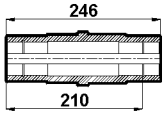
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

KN575.03
KN576.03

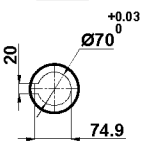


Std.





Ops.

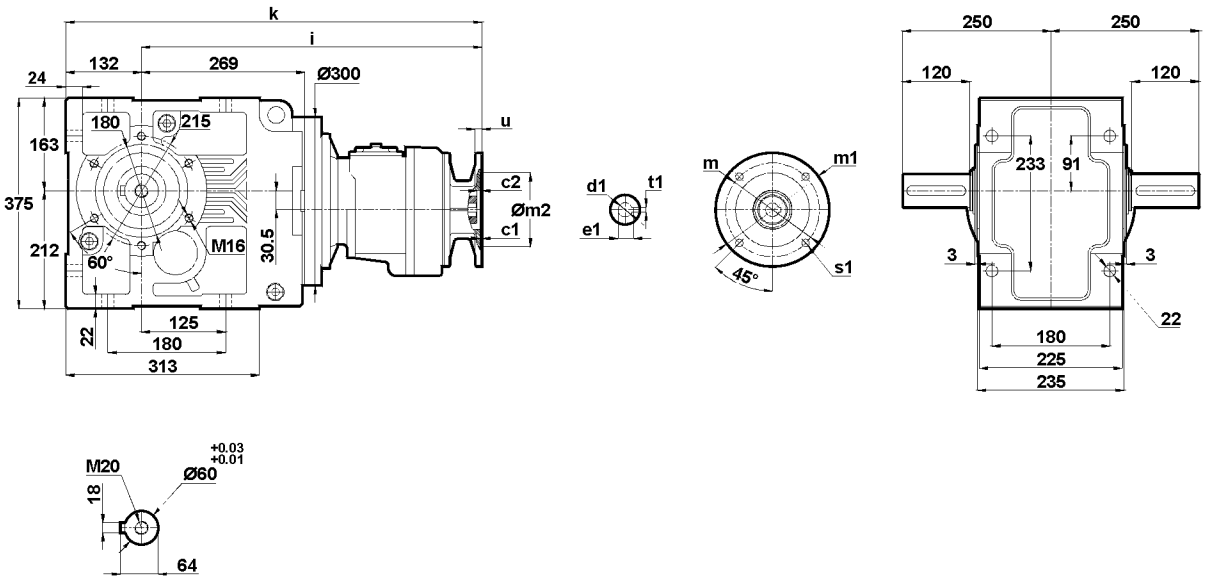


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

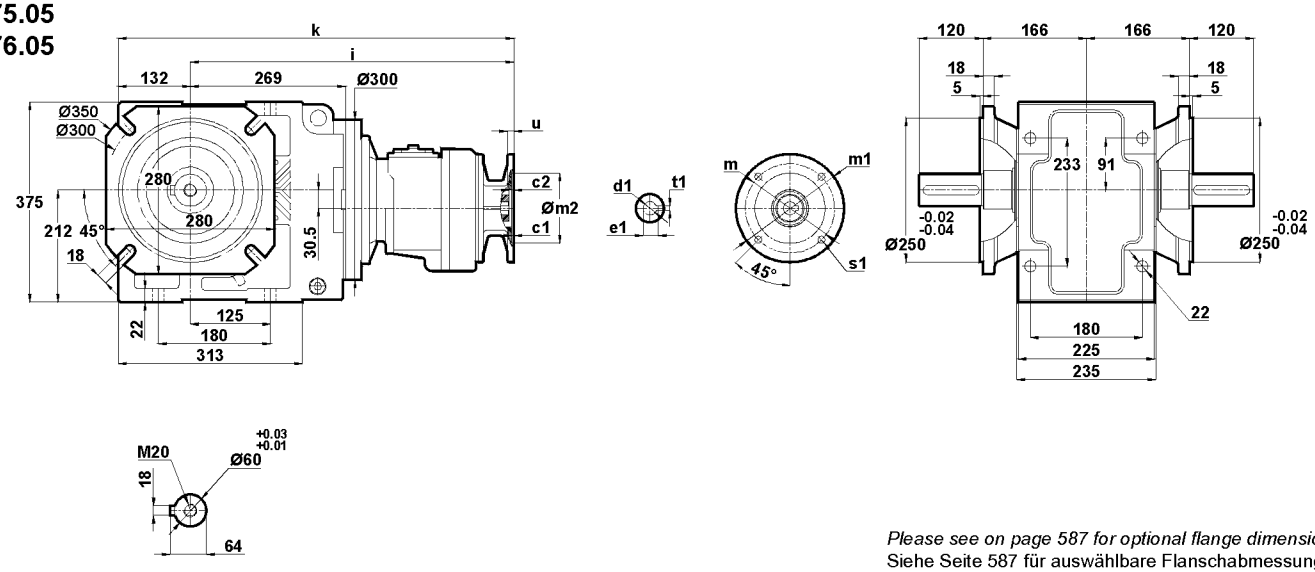
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN575.04
KN576.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

KN575.05
KN576.05

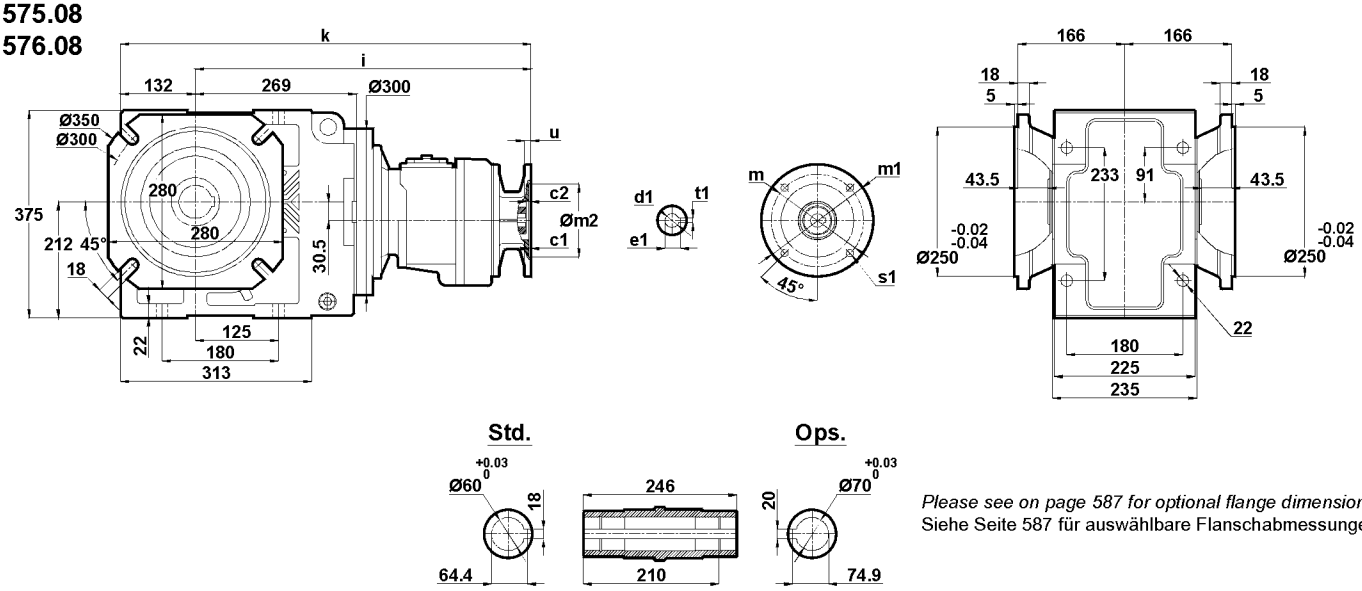


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN575.08
KN576.08

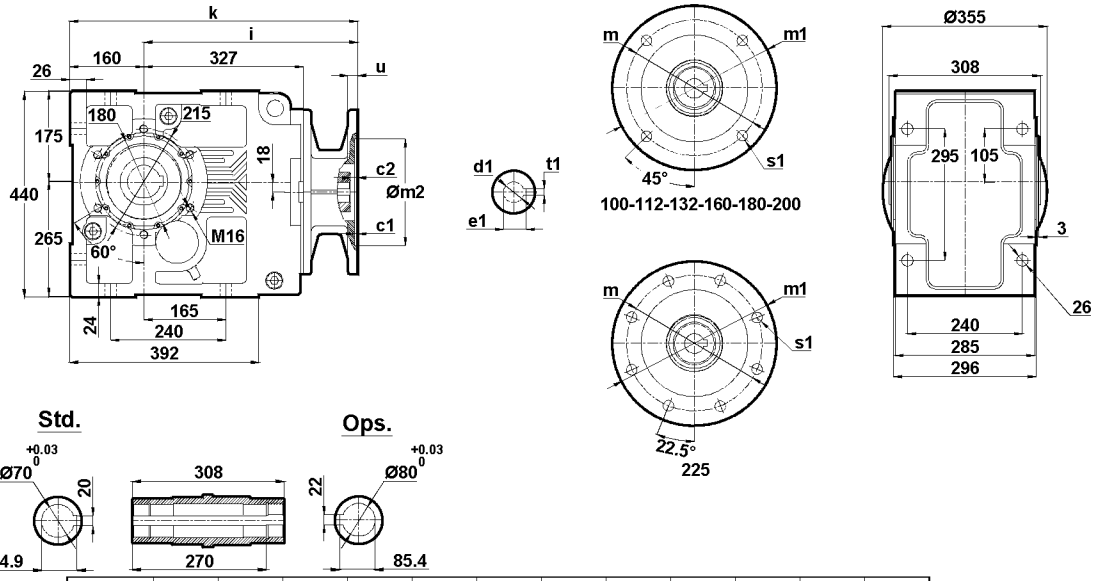


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	5	9	115	140	95	551.5	12	683.5	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	522.5	12 10	654.5	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	551.5	12	683.5	19	6	21.8

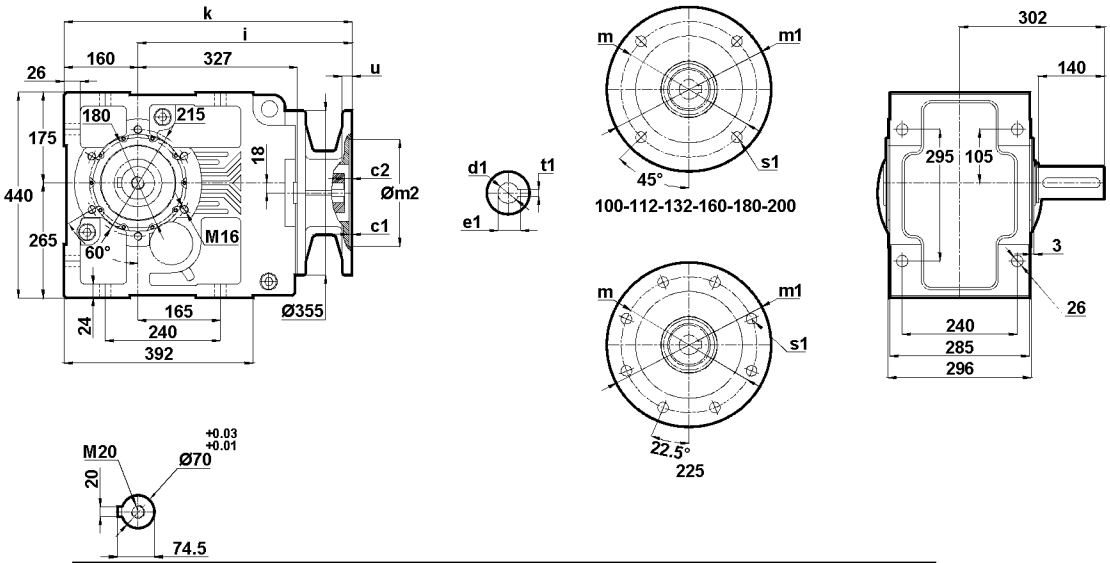
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN673.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

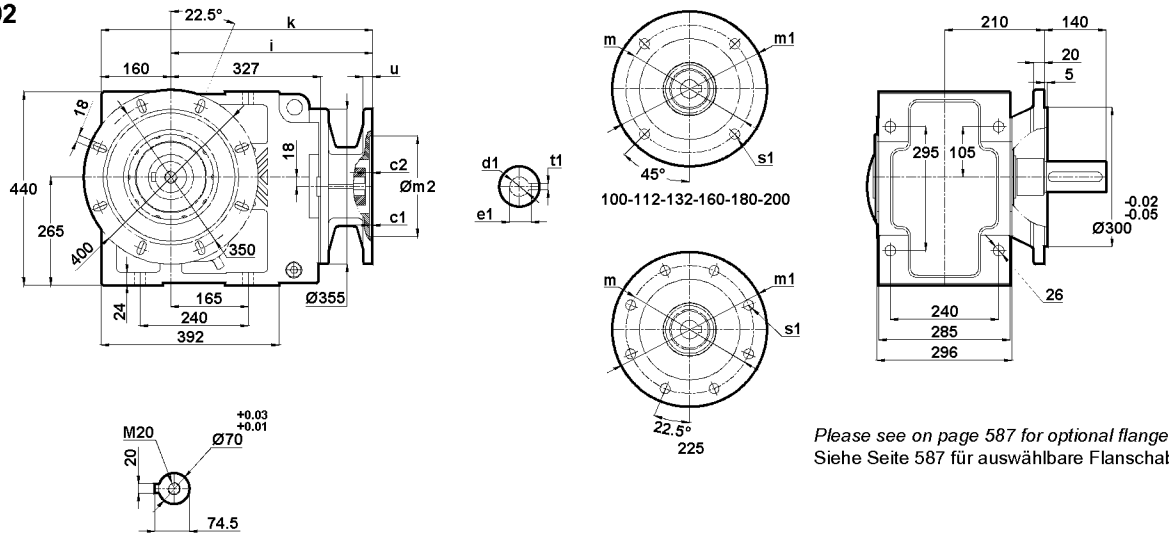
KN673.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

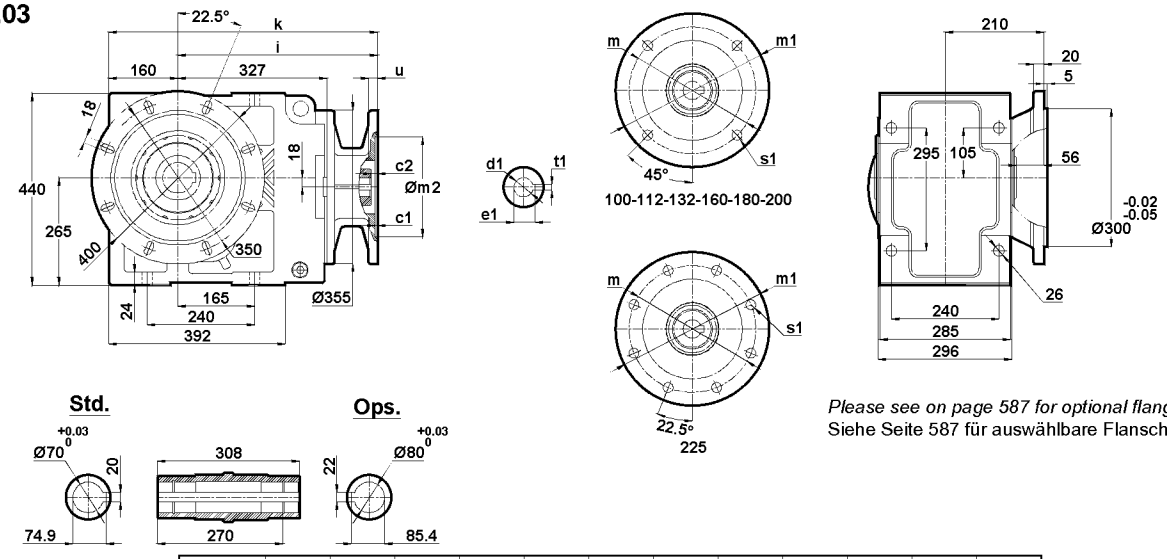
KN673.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

KN673.03

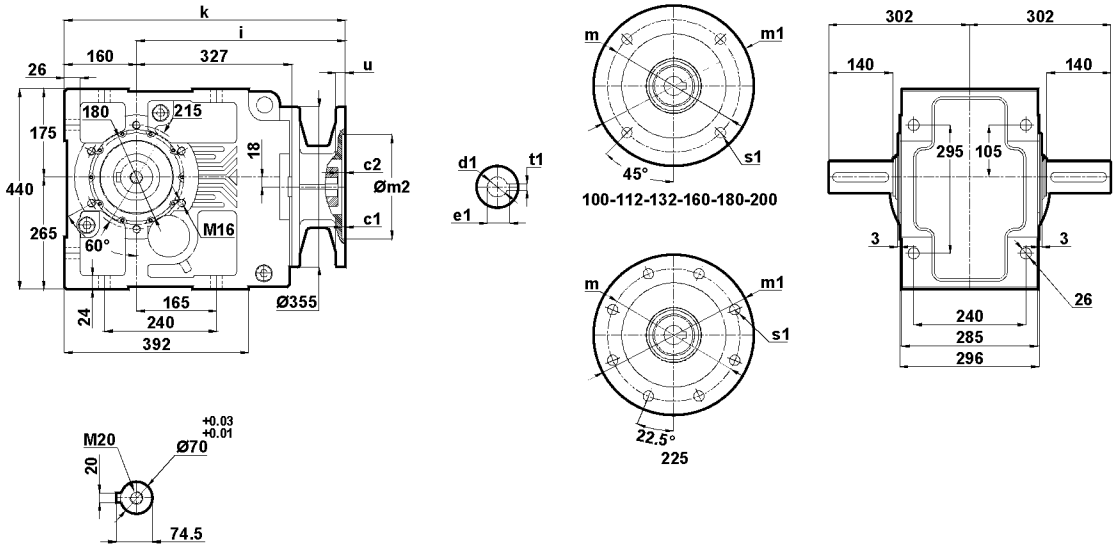


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

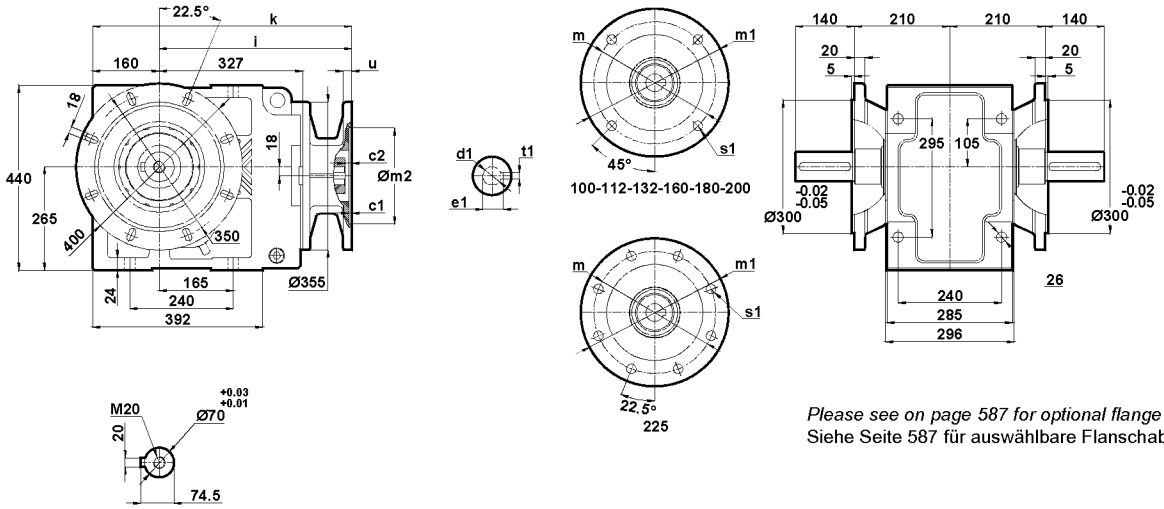
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN673.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

KN673.05

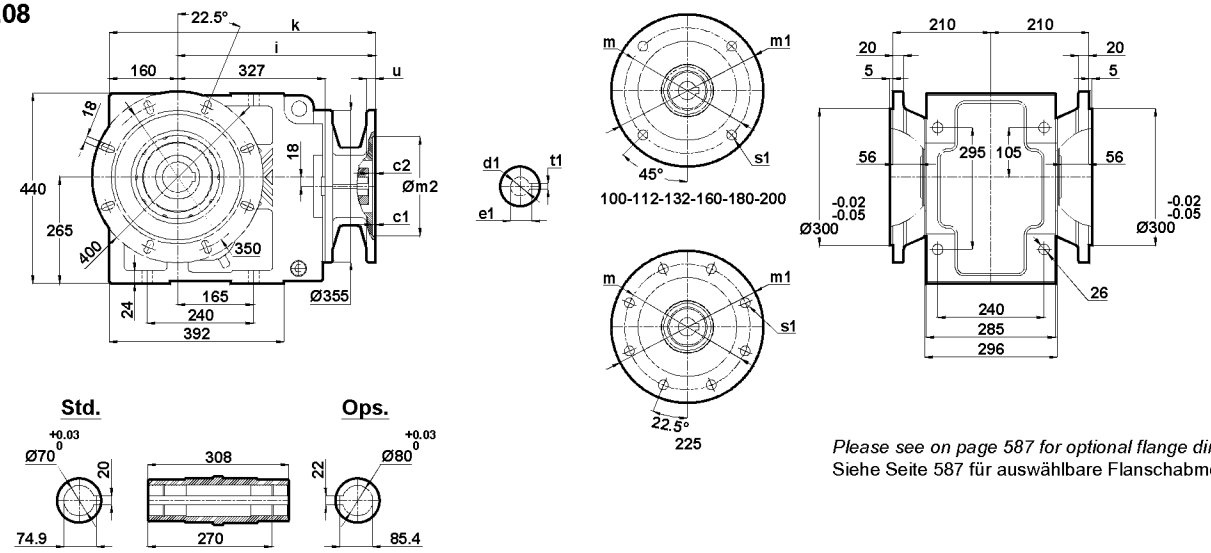


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN673.08

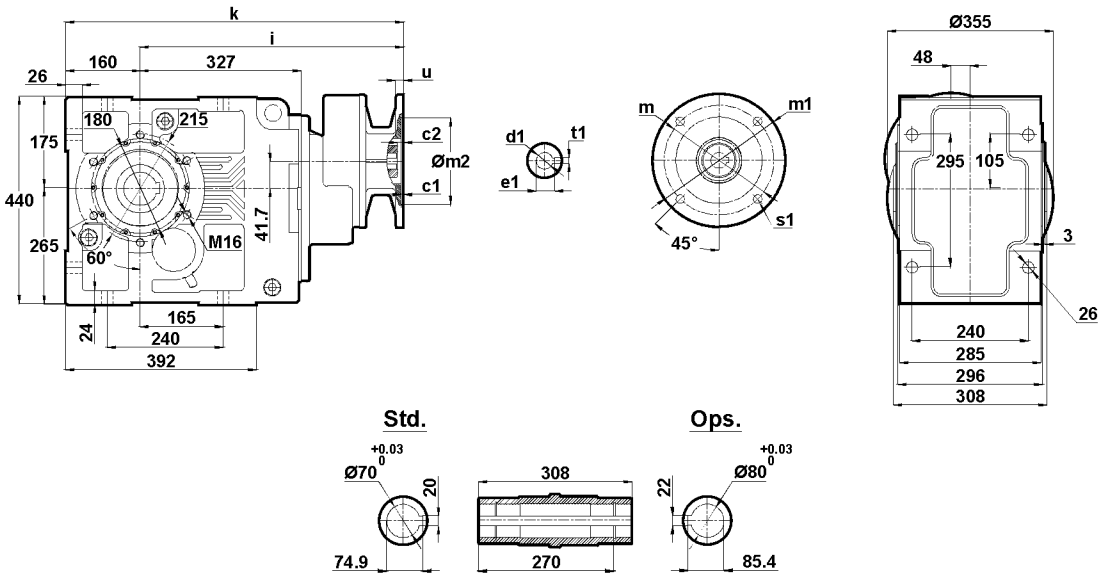


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	395.5	15	555.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	410.5	15	570.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	485.5	20	645.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	485.5	20	645.5	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	666	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	719	60	18	64.4

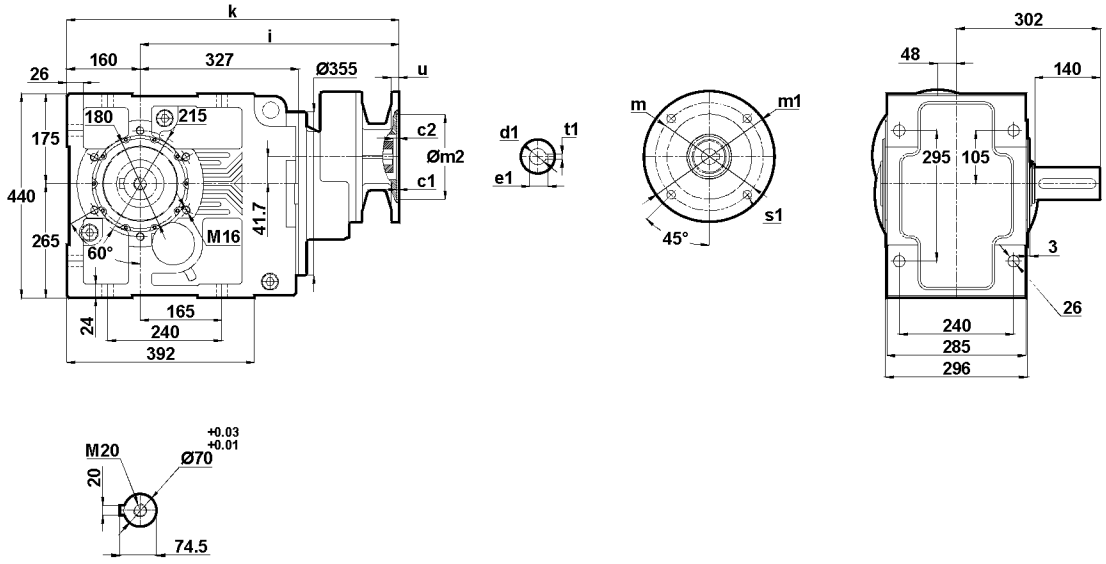
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN674.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

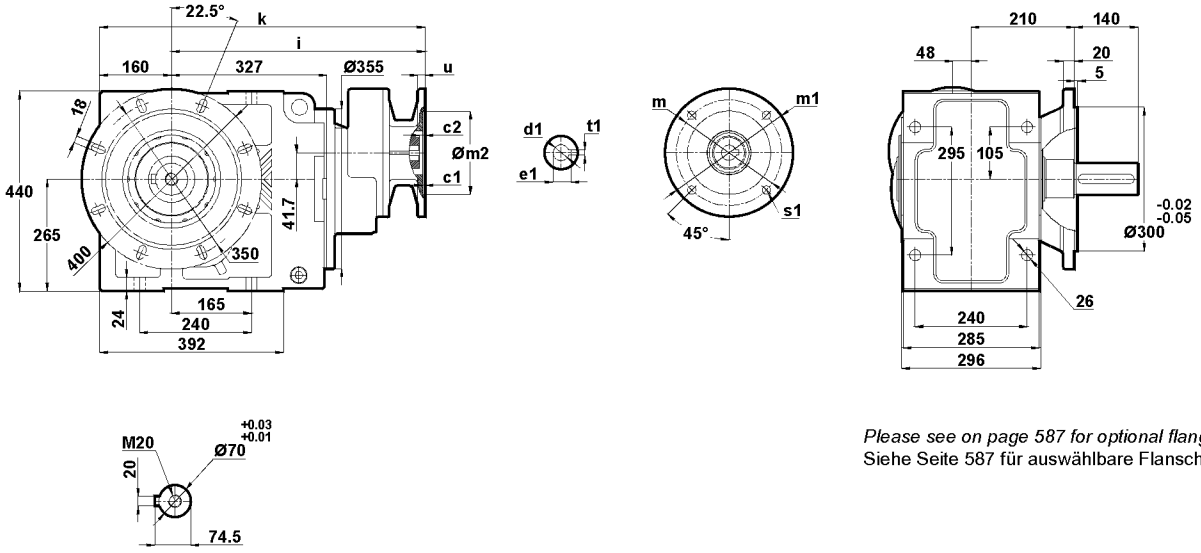
KN674.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

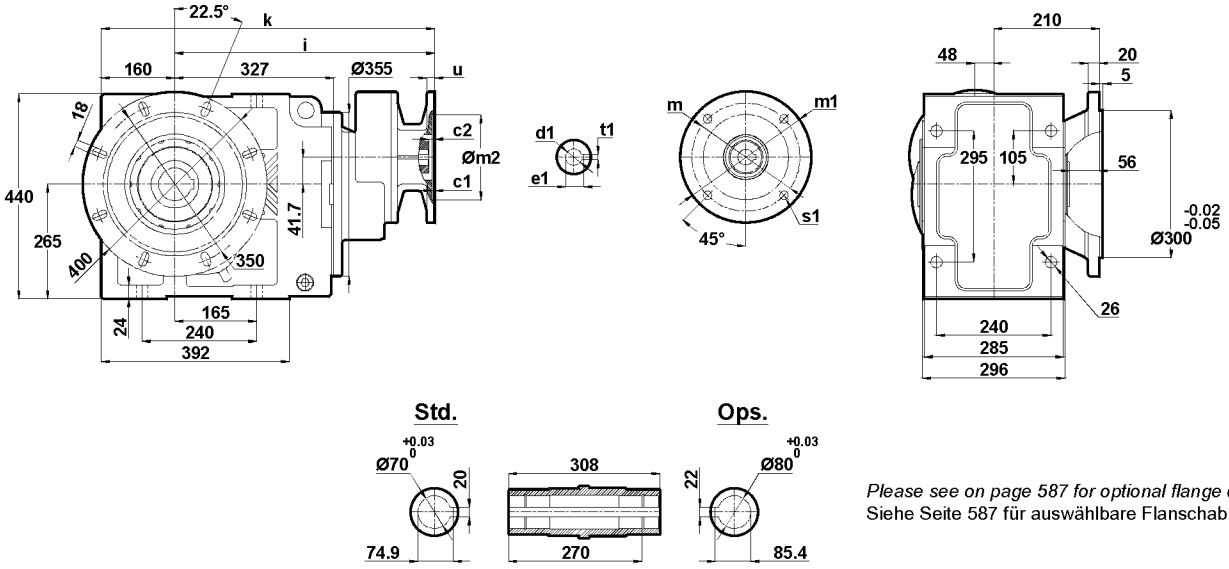
KN674.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

KN674.03

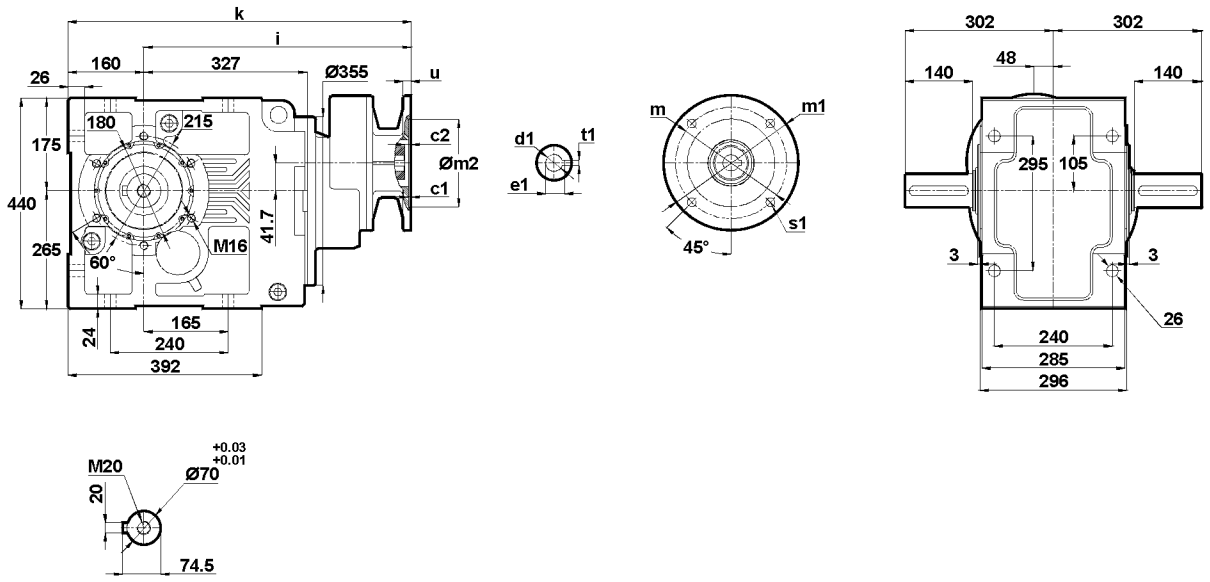


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

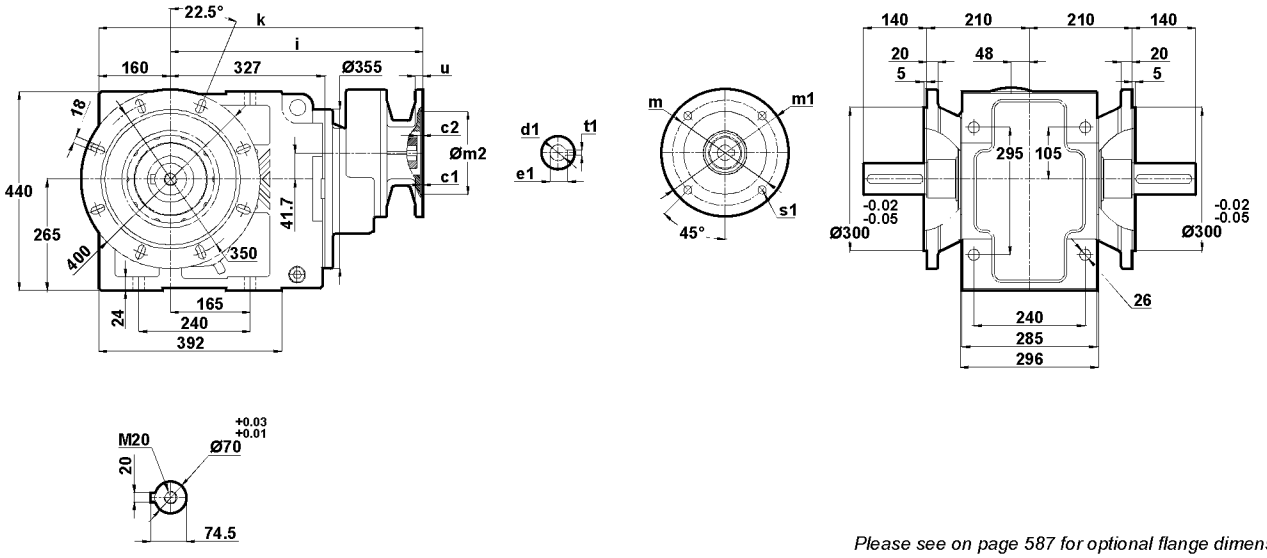
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN674.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

KN674.05

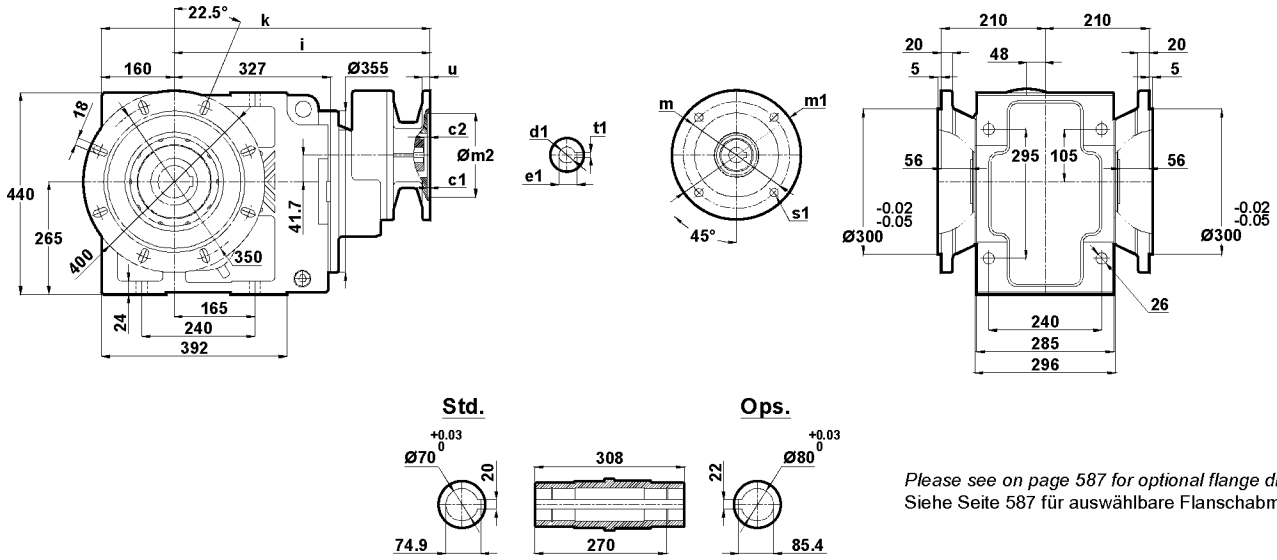


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN674.08

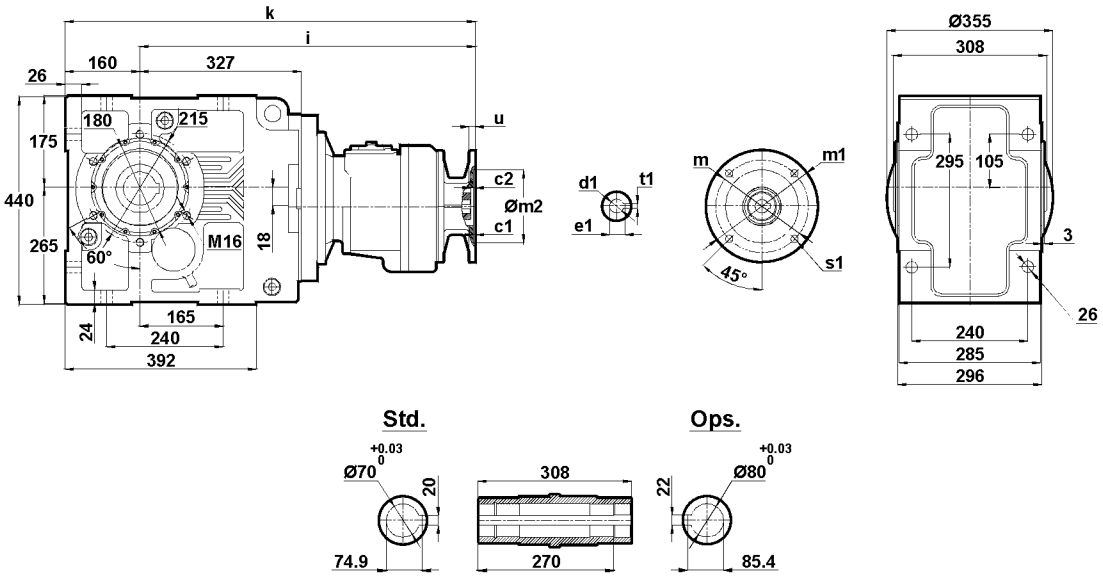


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	165	200	130	485.5	12	645.5	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	485.5	12	645.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

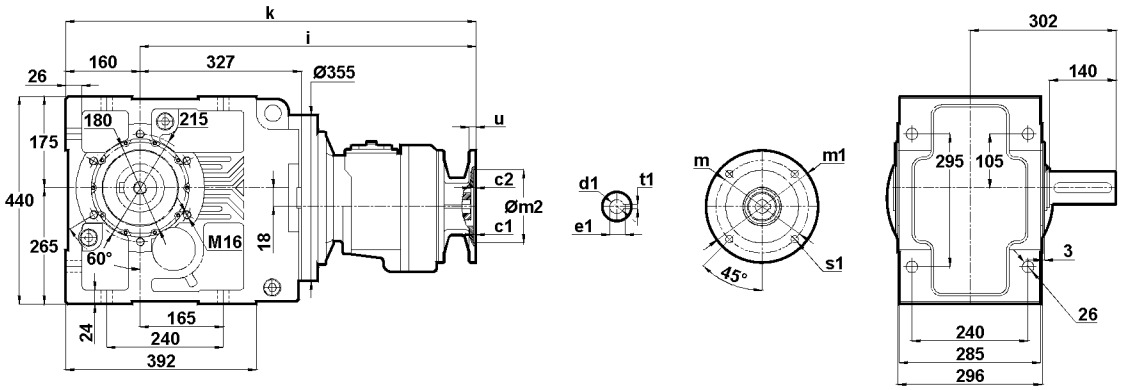
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

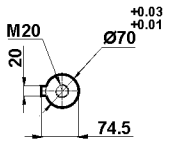
KN675.00
KN676.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

KN675.01
KN676.01

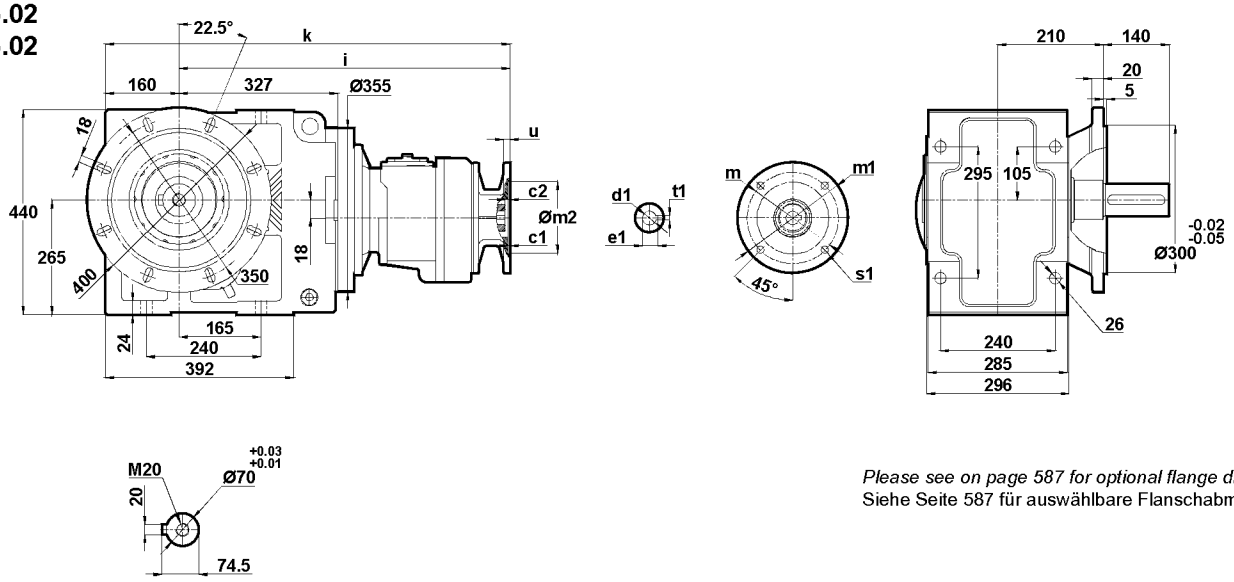




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

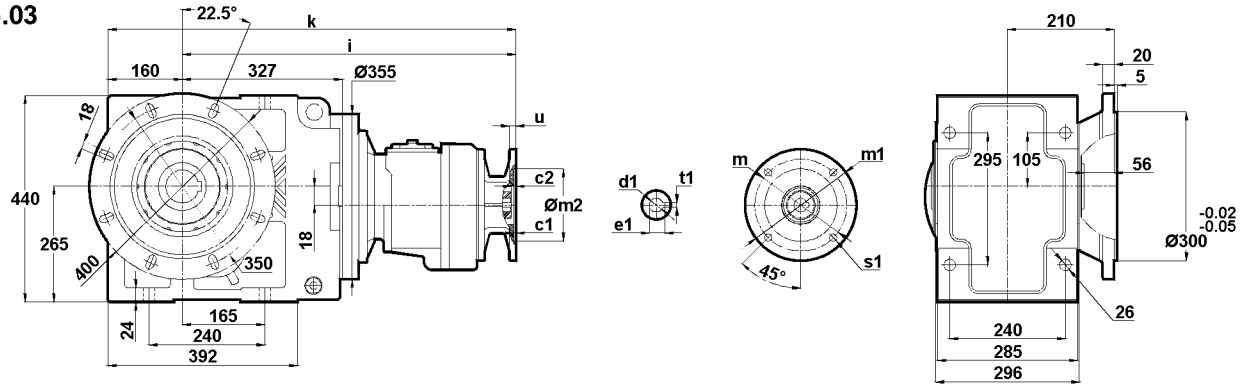
KN675.02
KN676.02



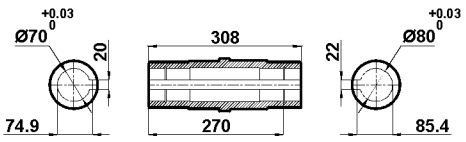
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

KN675.03
KN676.03



Std. **Ops.**

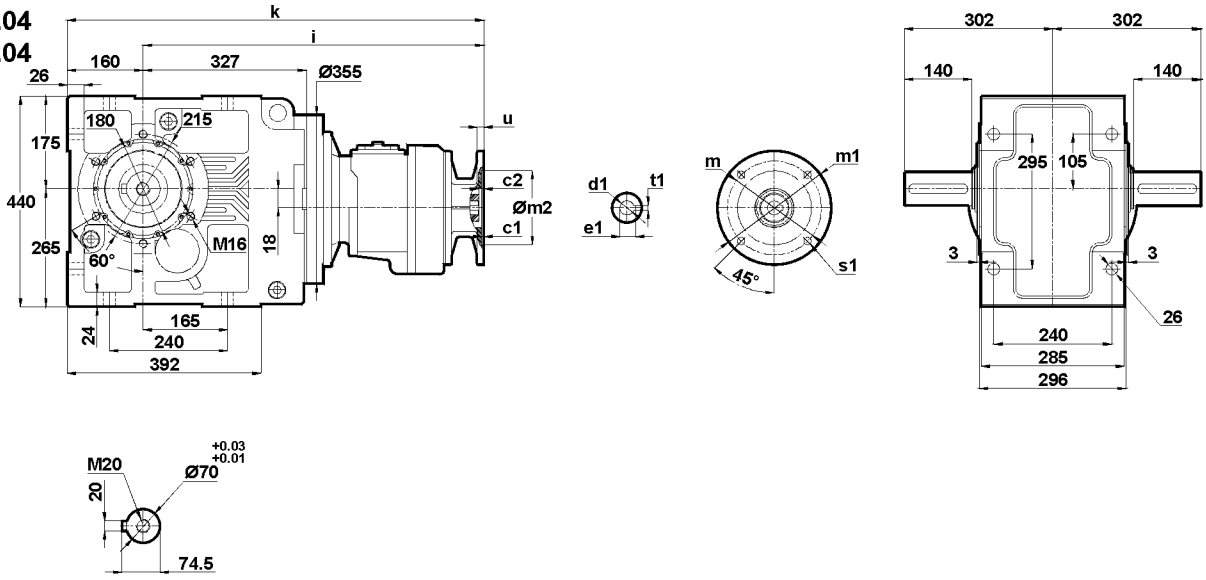


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

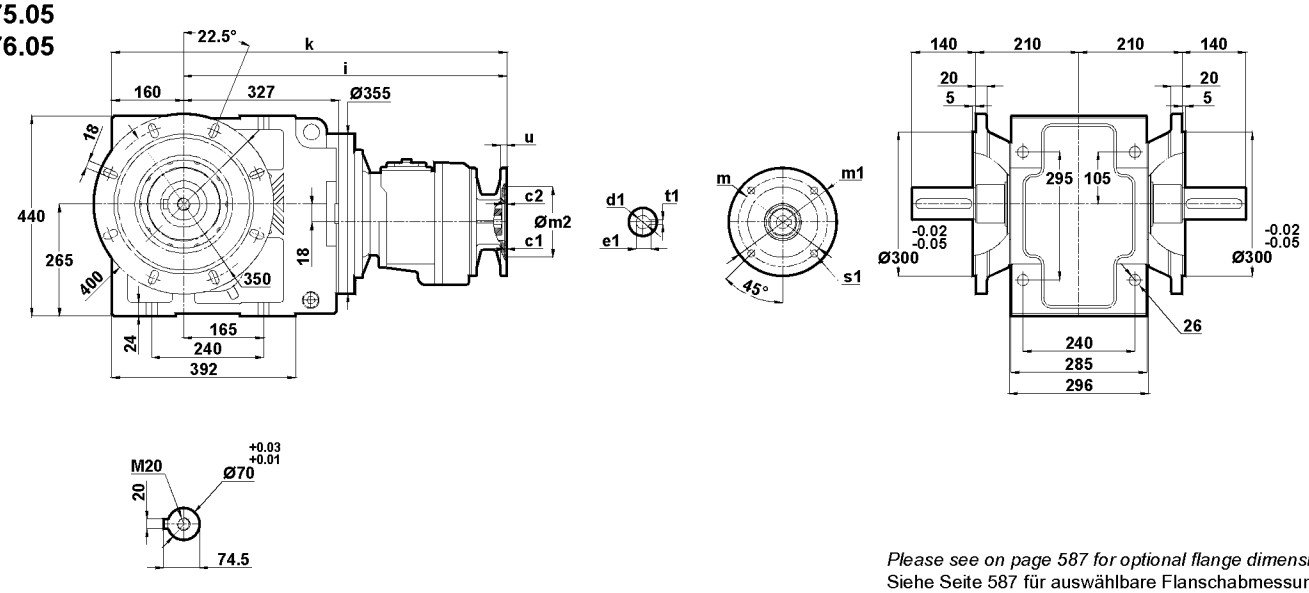
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN675.04
KN676.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

KN675.05
KN676.05

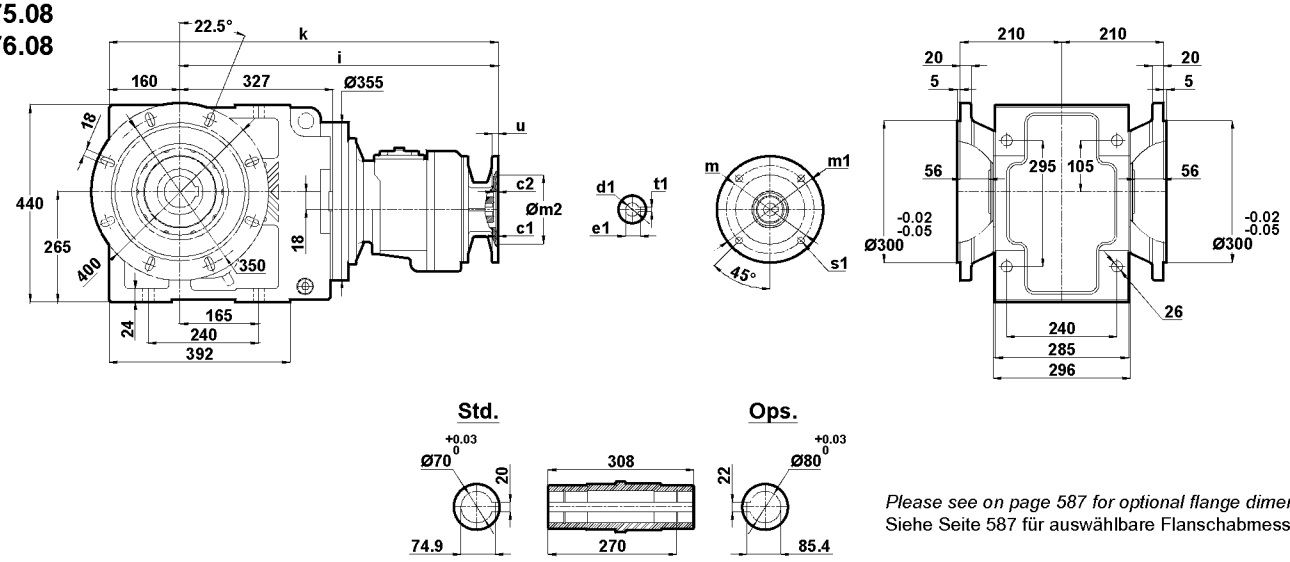


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN675.08
KN676.08

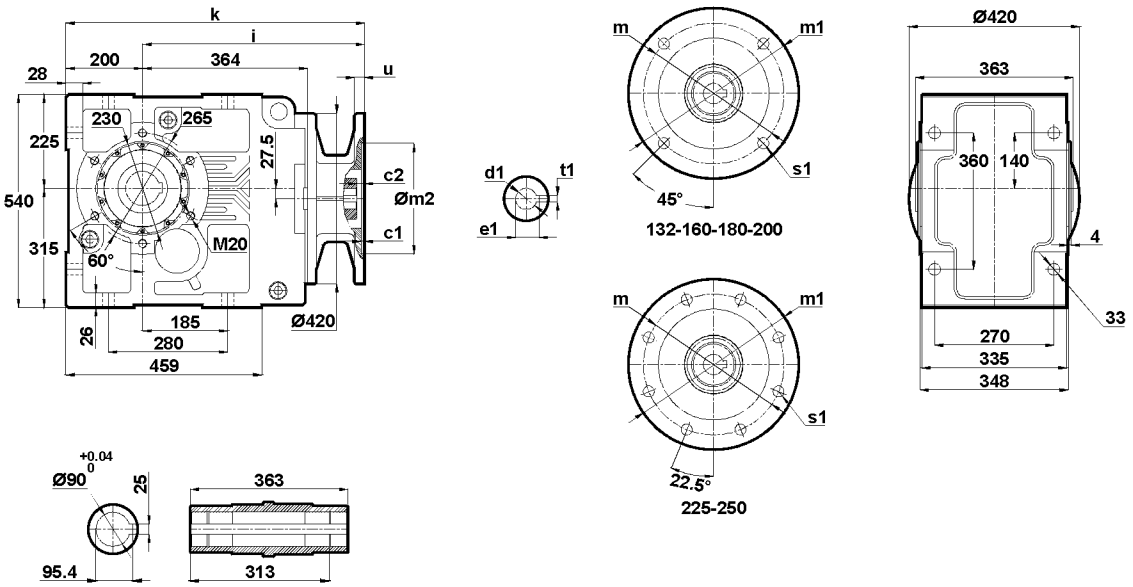


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	636.5	12	796.5	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	636.5	12	796.5	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	636.5	12	796.5	24	8	27.3

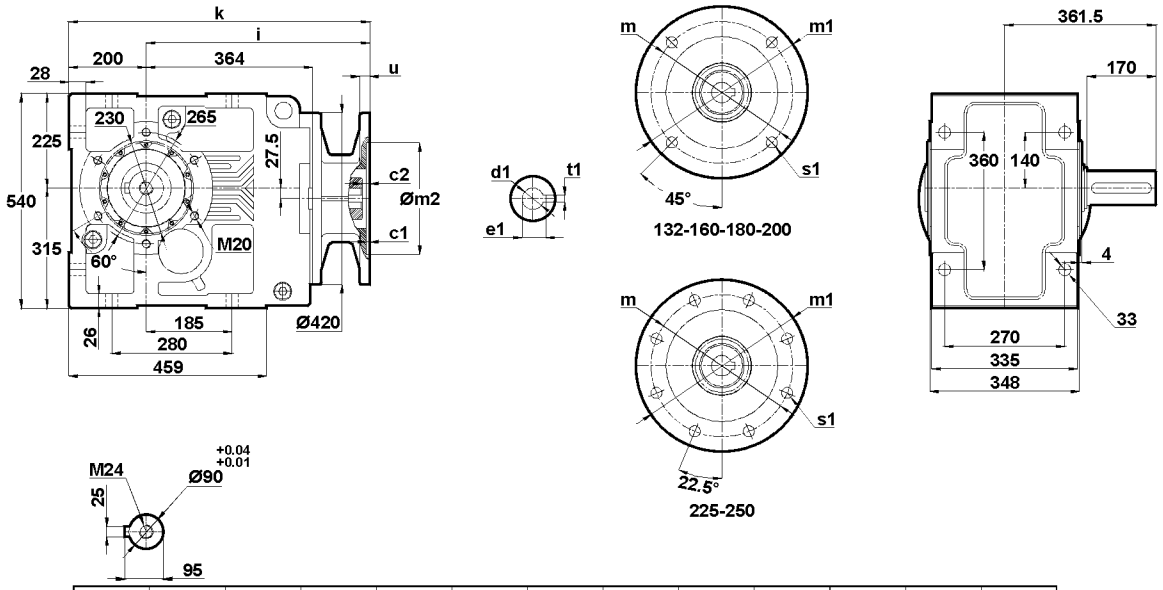
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN773.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

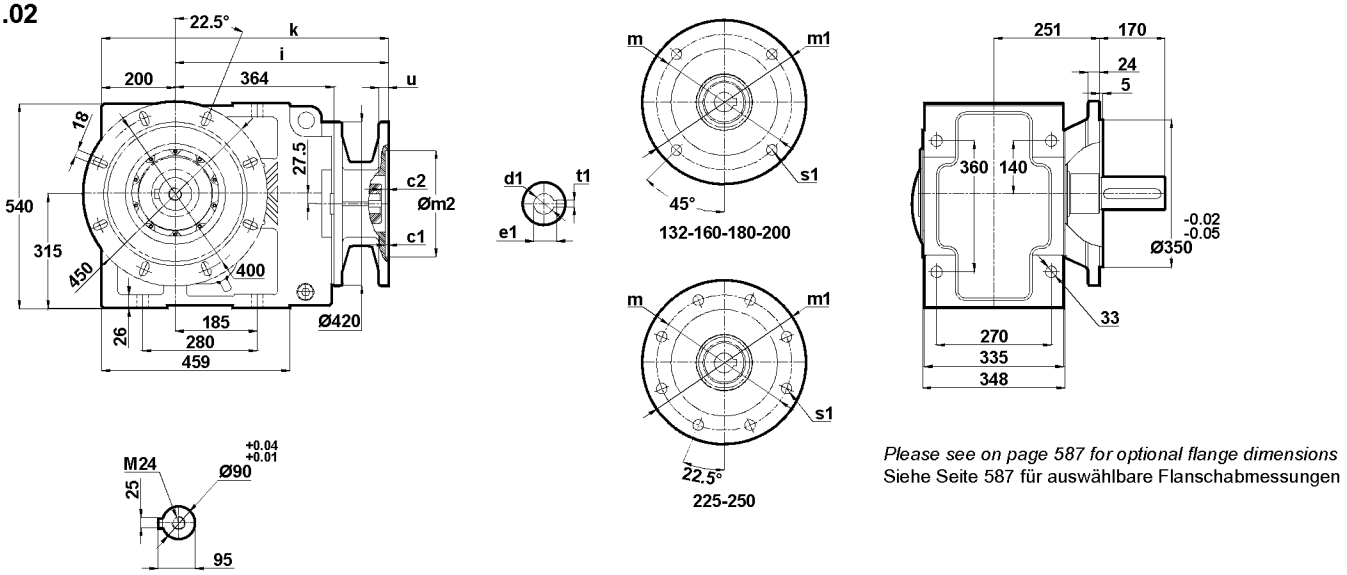
KN773.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

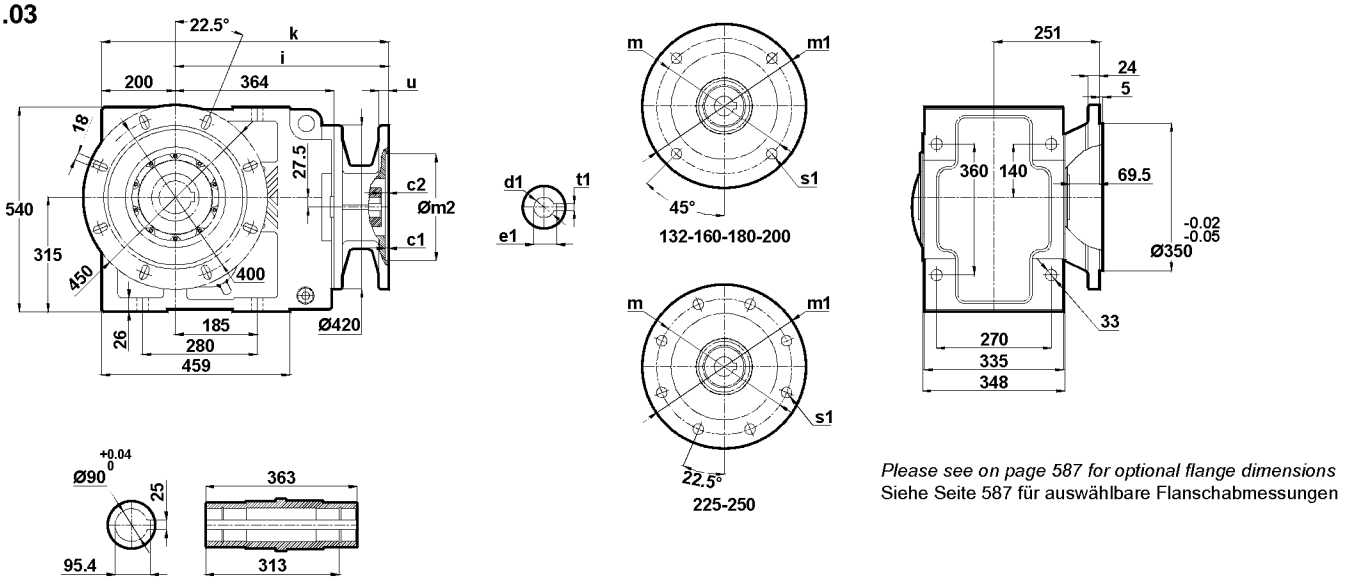
KN773.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

KN773.03

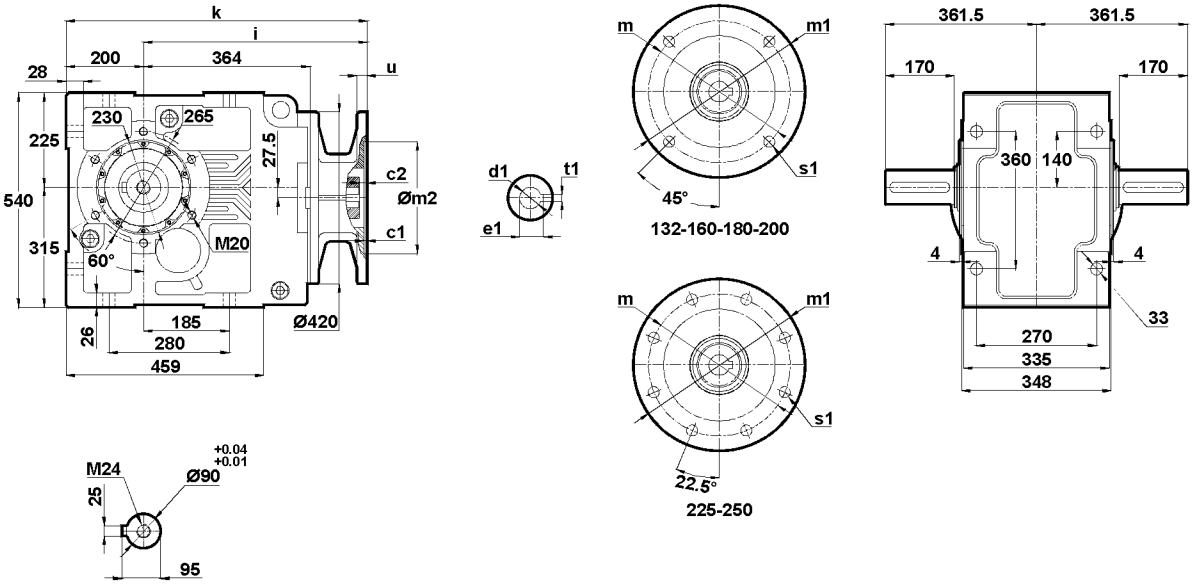


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

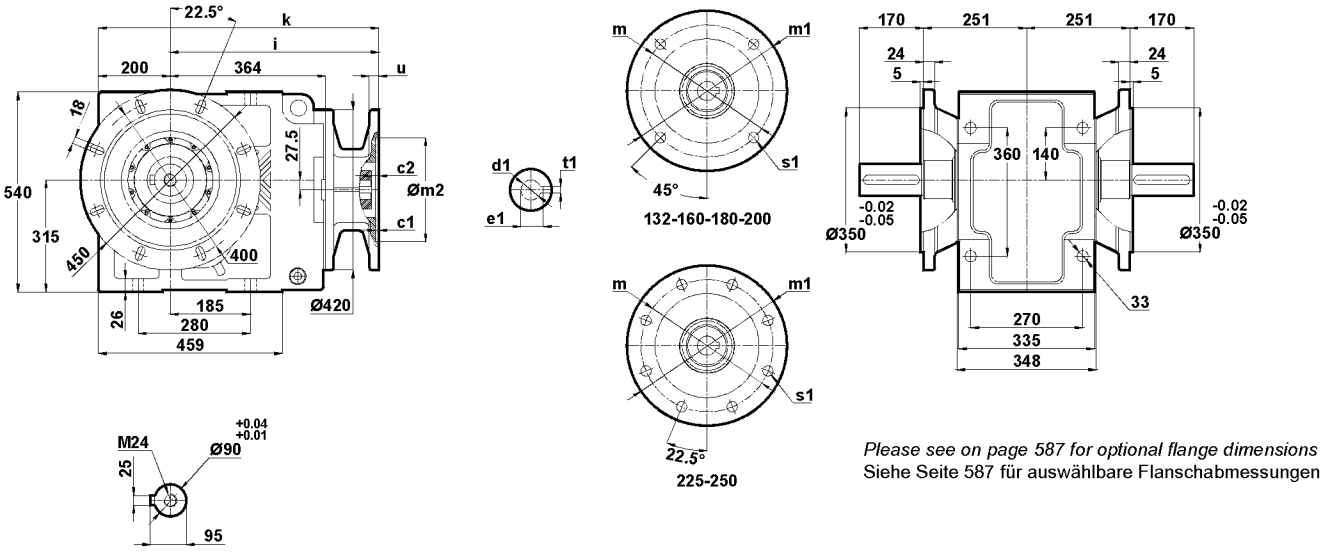
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN773.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

KN773.05

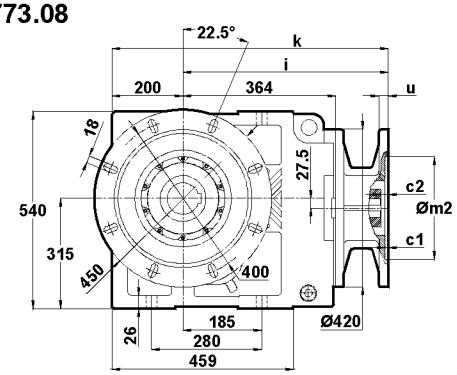


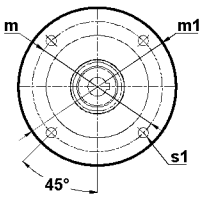
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

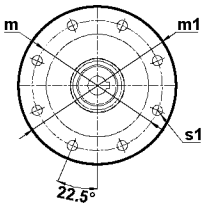
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN773.08

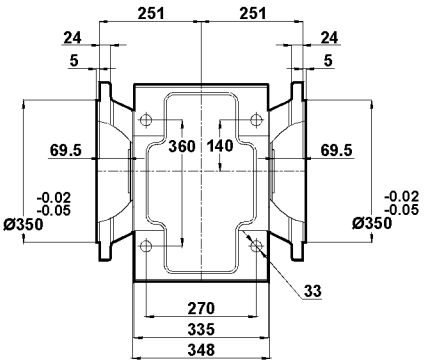


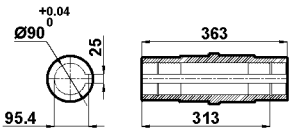


132-160-180-200



225-250



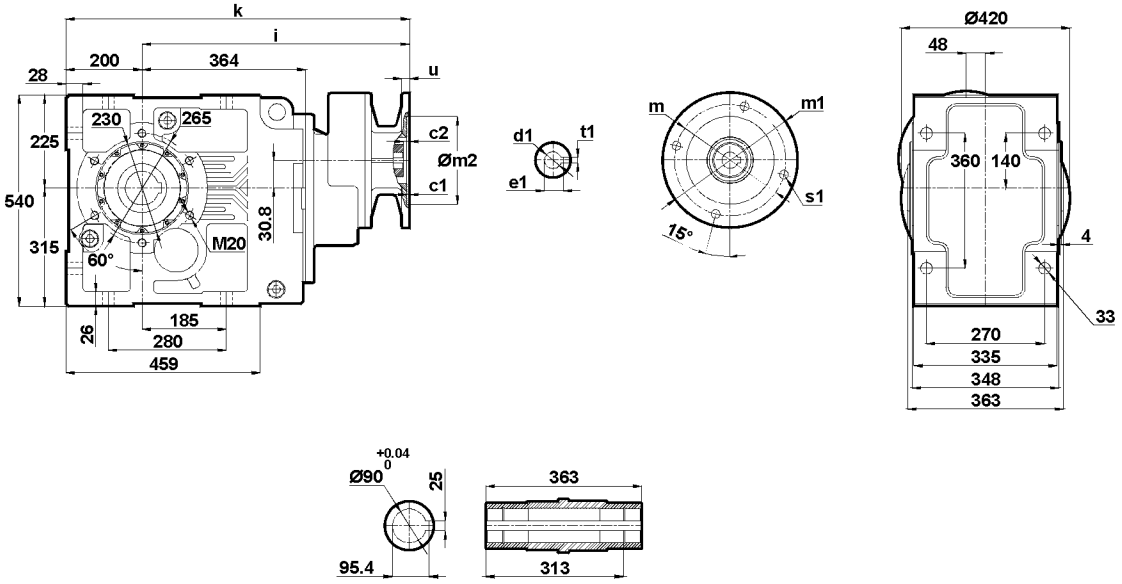


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	447.5	15	647.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	517	20	717	42	12	45.3
180/B5	5.5	10	19	300	350	250	517	20	717	48	14	51.8
200/B5	5.5	10	19	350	400	300	539	20	739	55	16	59.3
225/B5	5.5	10	19	400	450	350	592	24	792	60	18	64.4
250/B5	5.5	10	19	500	550	450	592	24	792	65	18	69.4

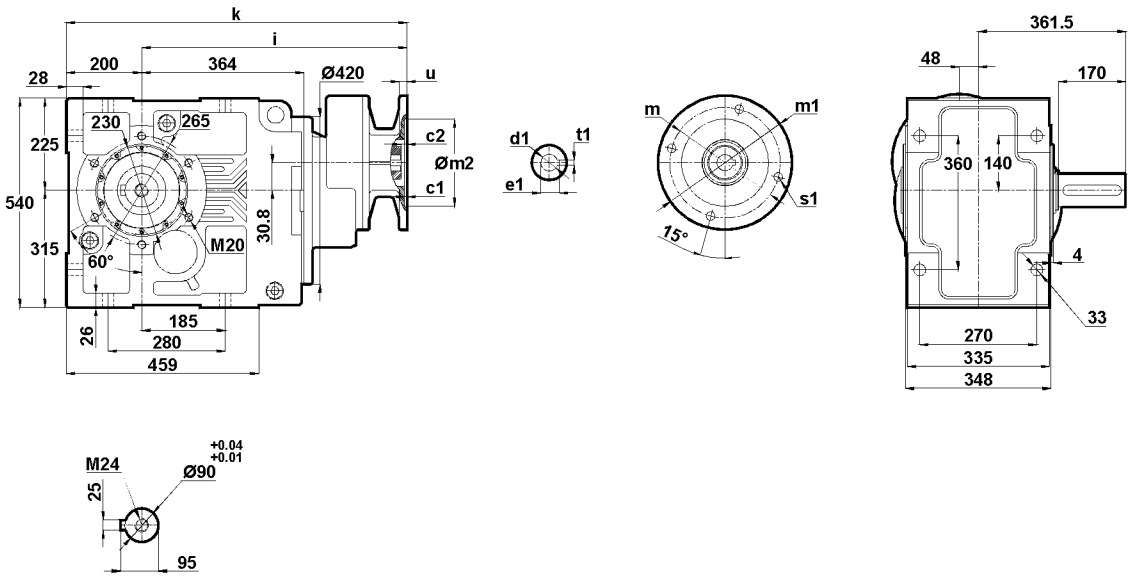
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN774.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

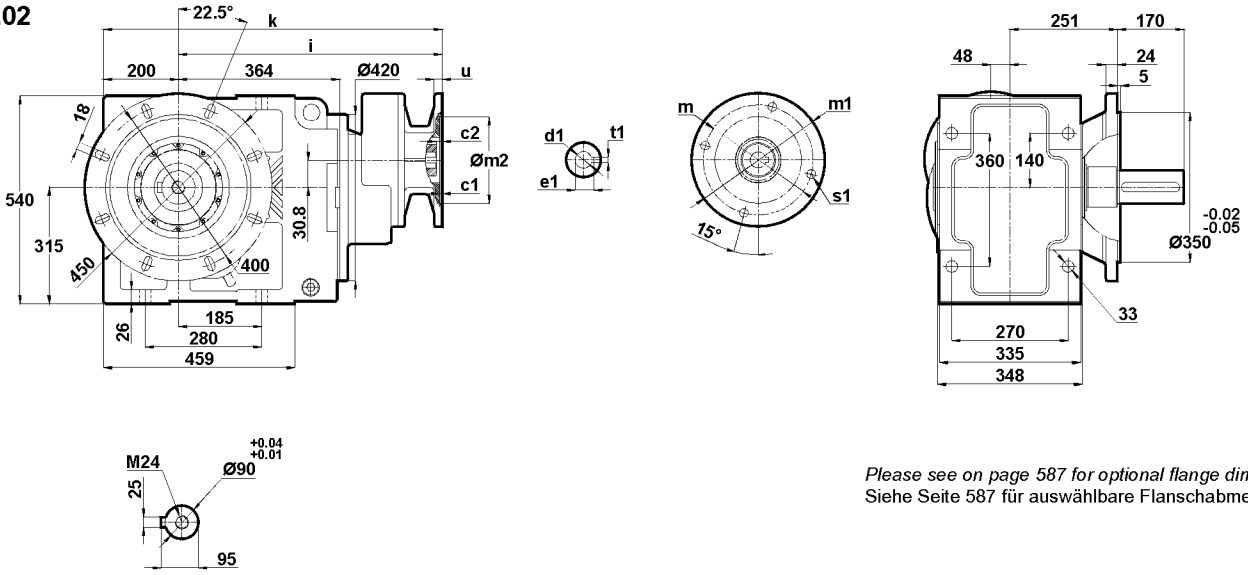
KN774.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

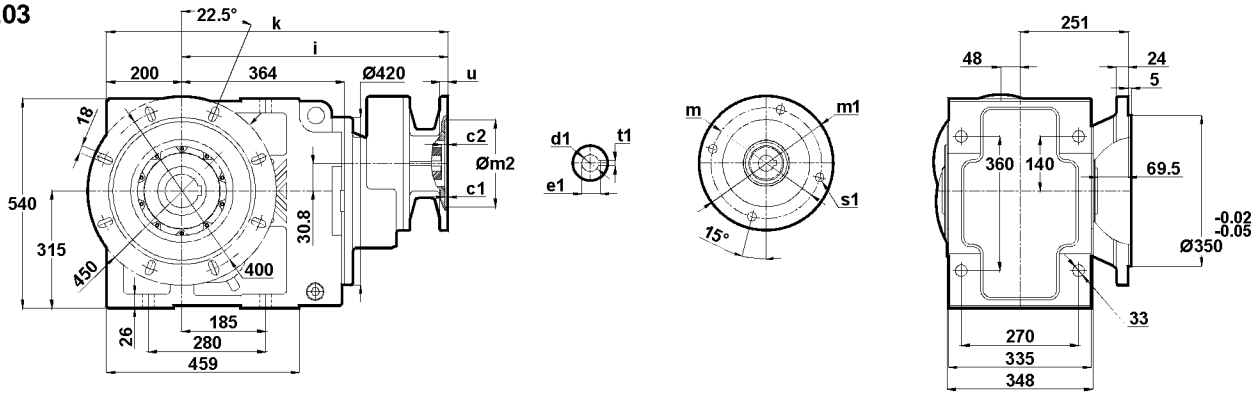
KN774.02

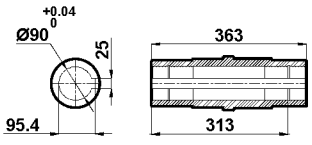


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

KN774.03



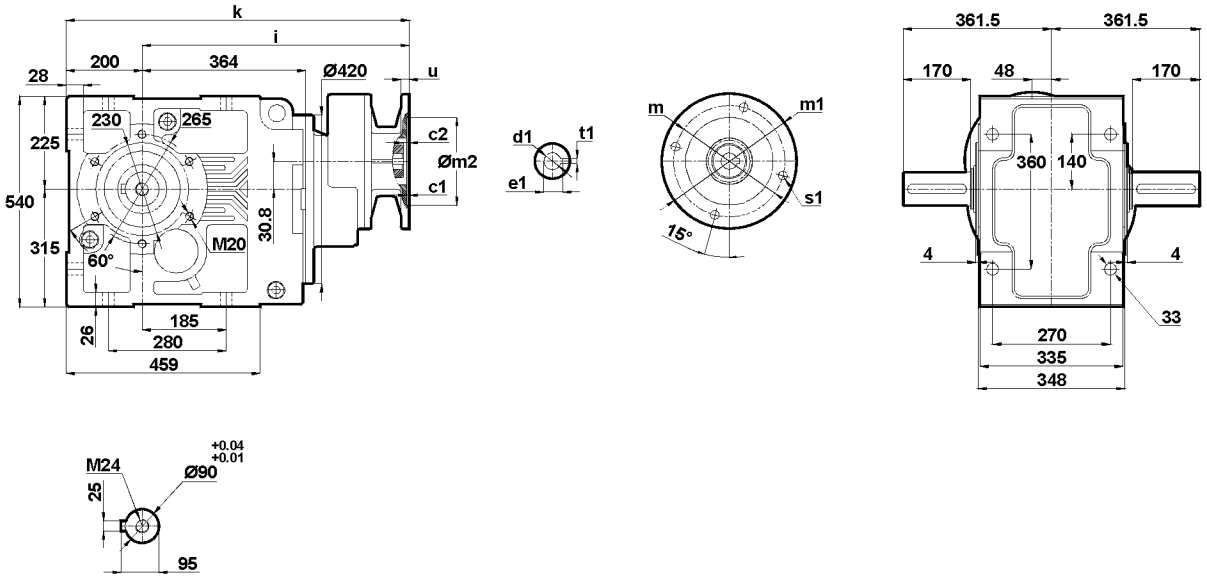


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

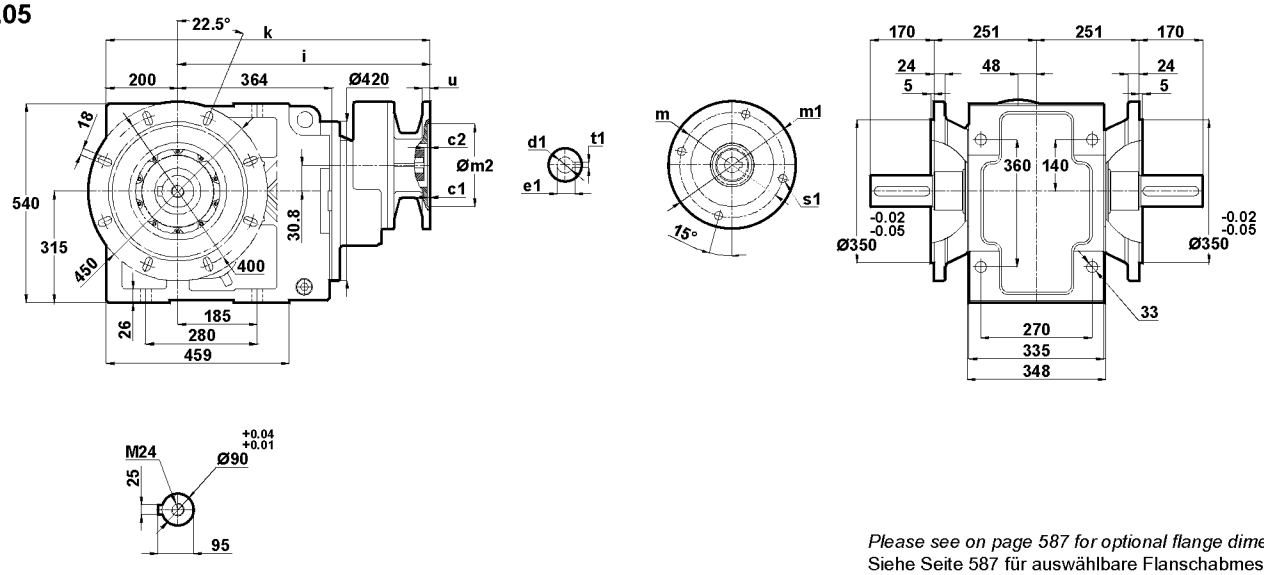
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN774.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

KN774.05

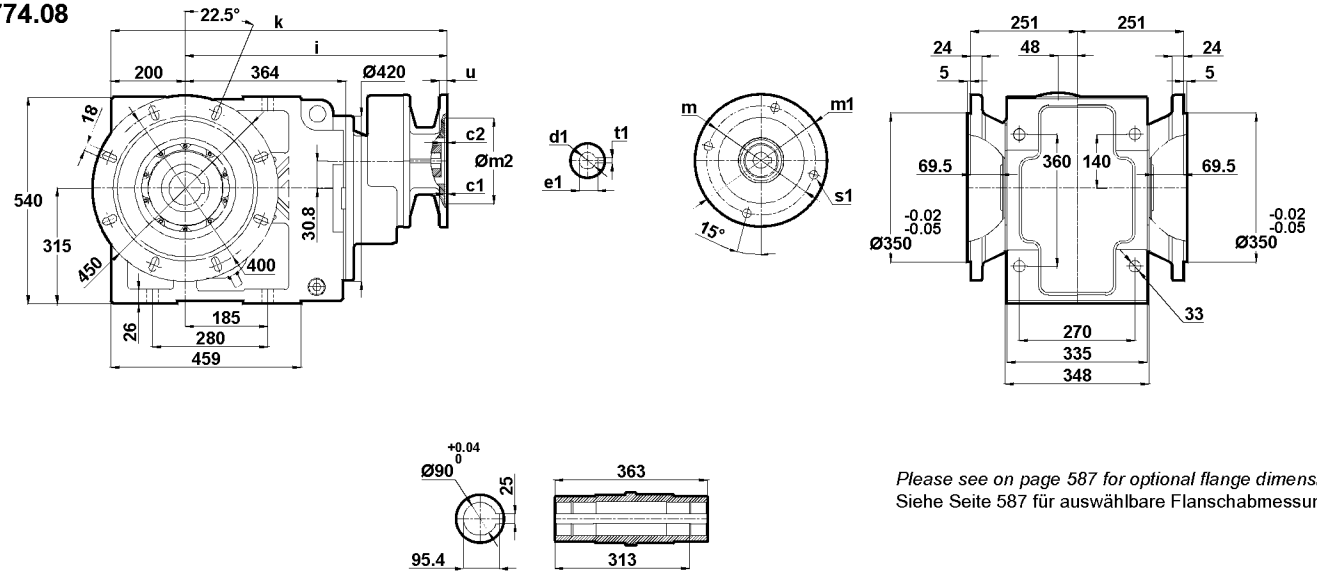


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN774.08

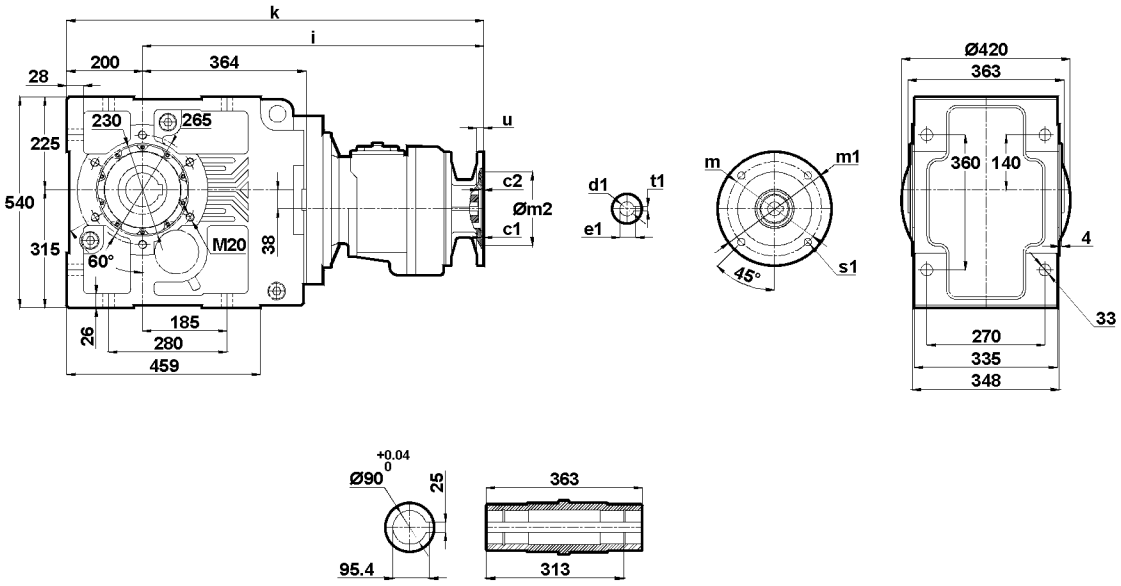


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	522.5	12	722.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	559.5	15	759.5	38	10	41.3

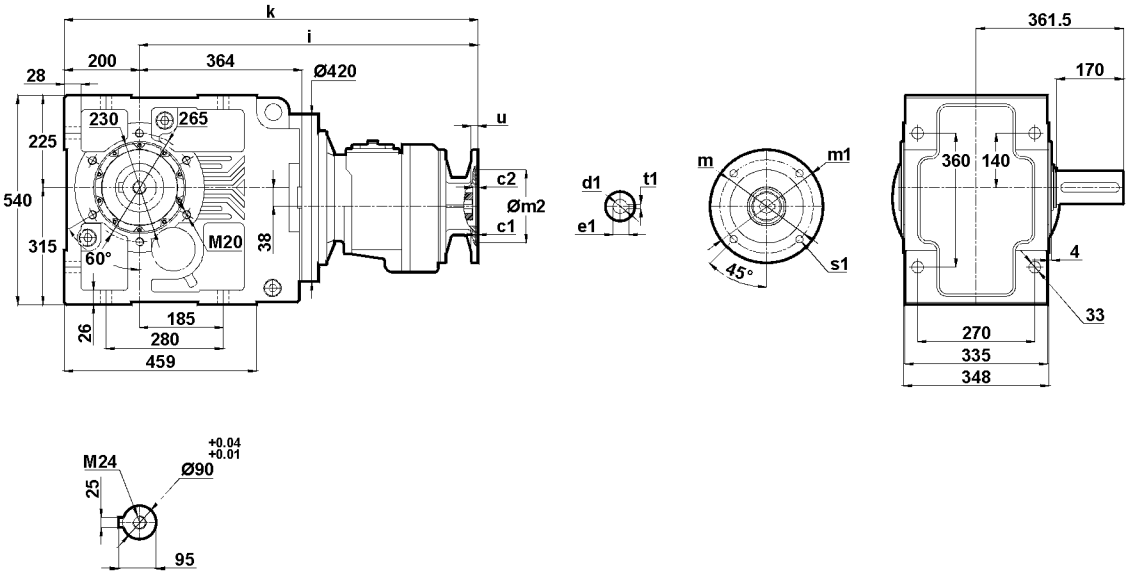
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN775.00
KN776.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

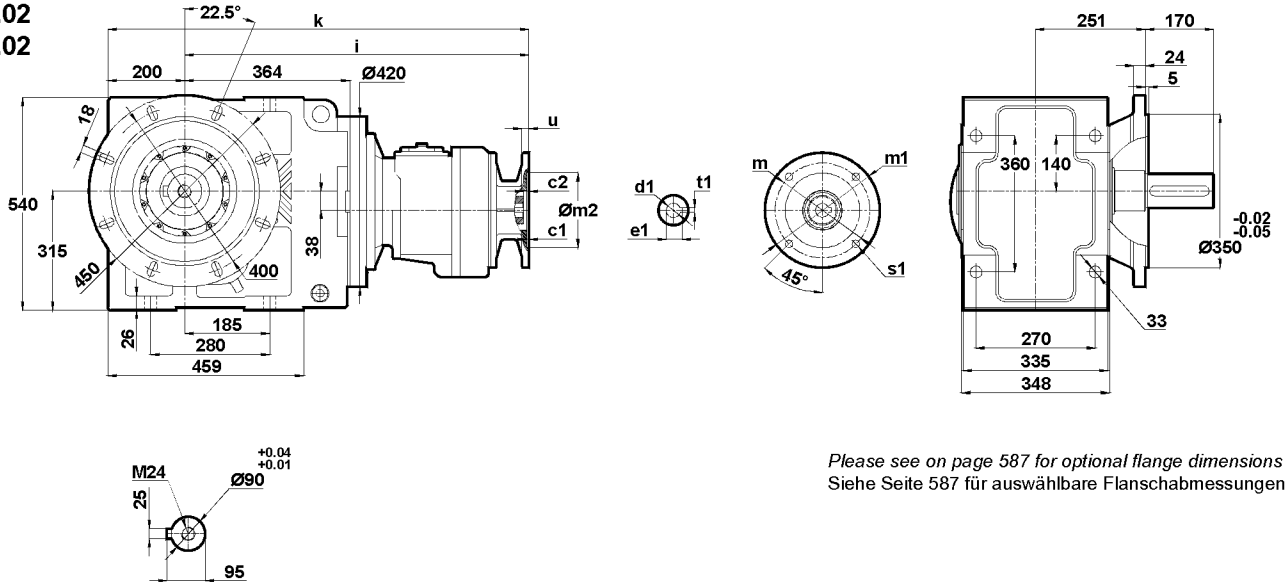
KN775.01
KN776.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

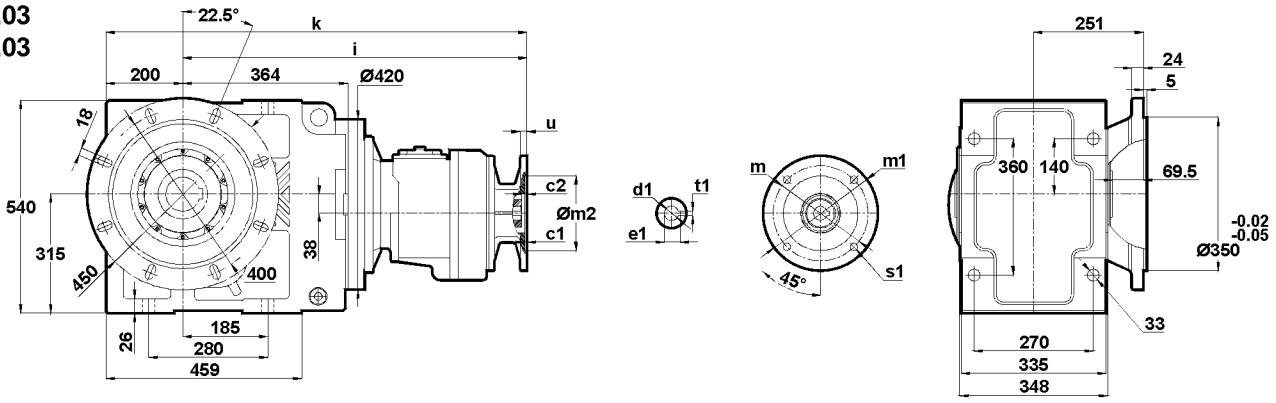
KN775.02
KN776.02

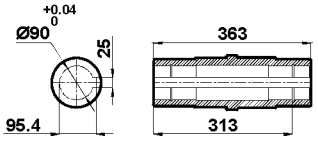


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

KN775.03
KN776.03



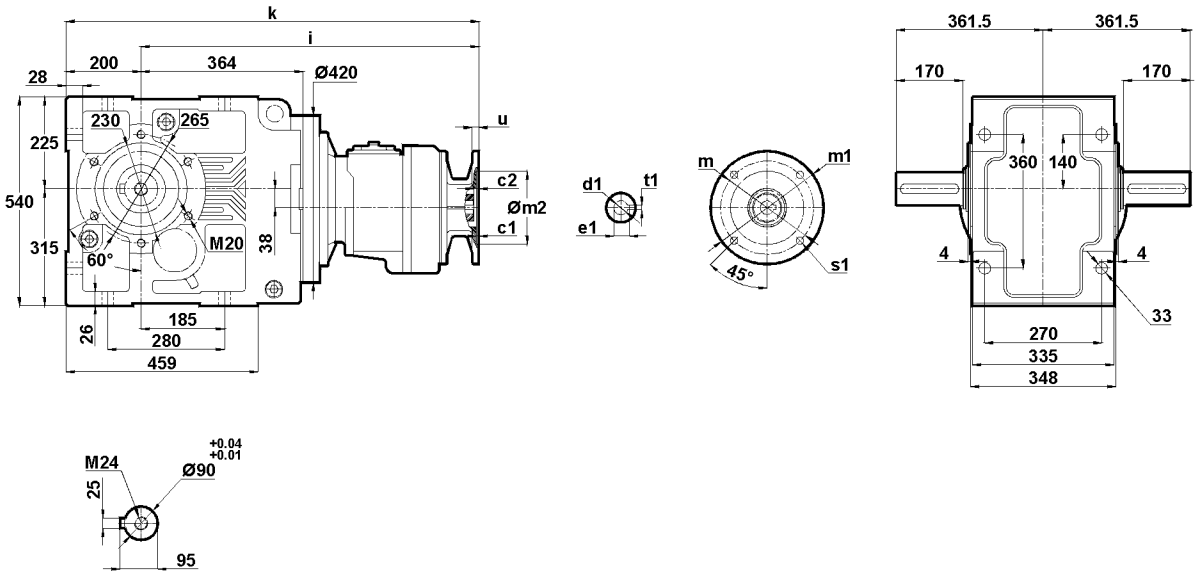


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

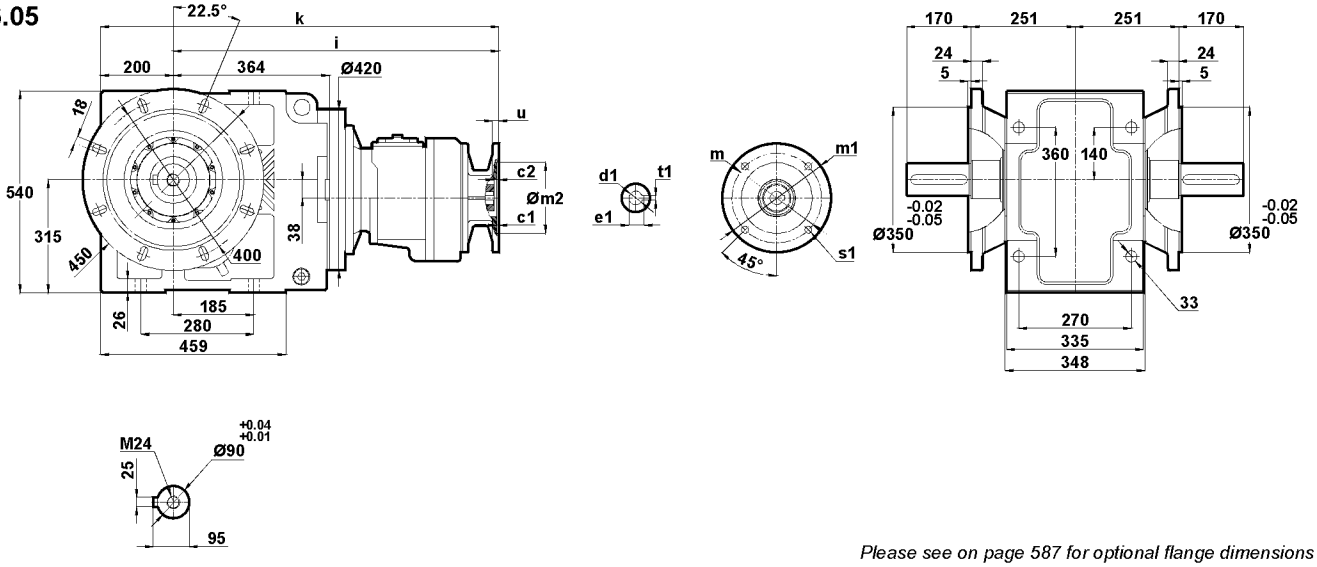
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN775.04
KN776.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

KN775.05
KN776.05

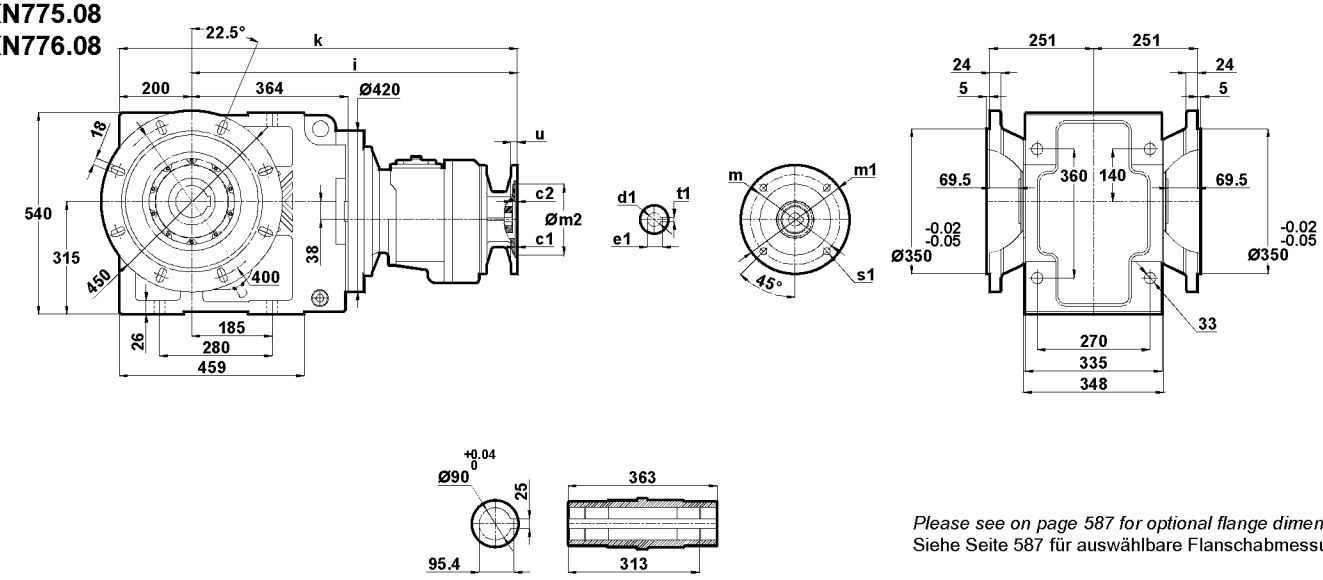


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN775.08
KN776.08

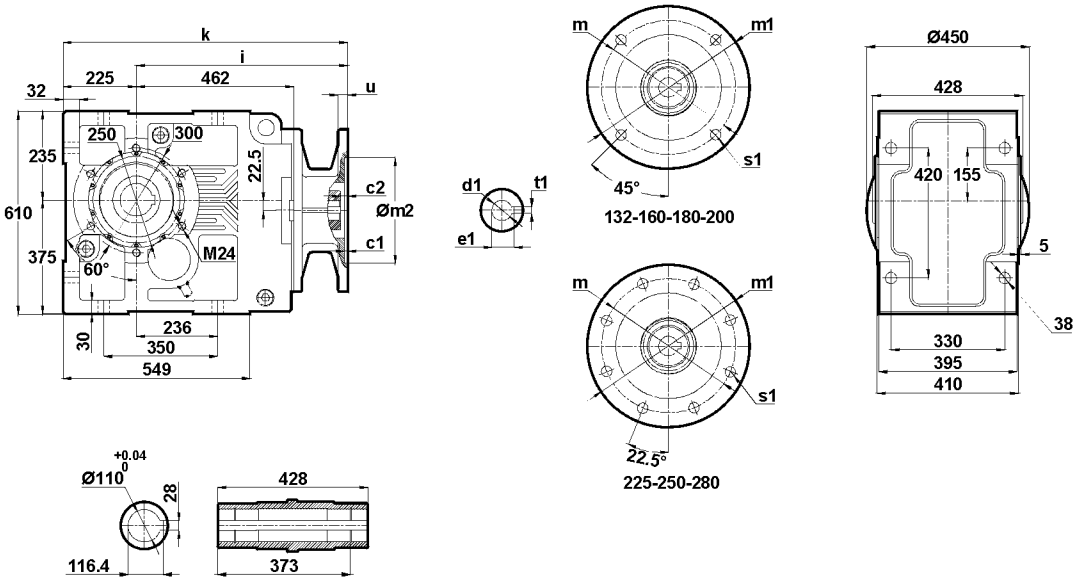


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	673.5	12	873.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	673.5	12	873.5	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	673.5	12	873.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	690.5	15	890.5	28	8	31.3

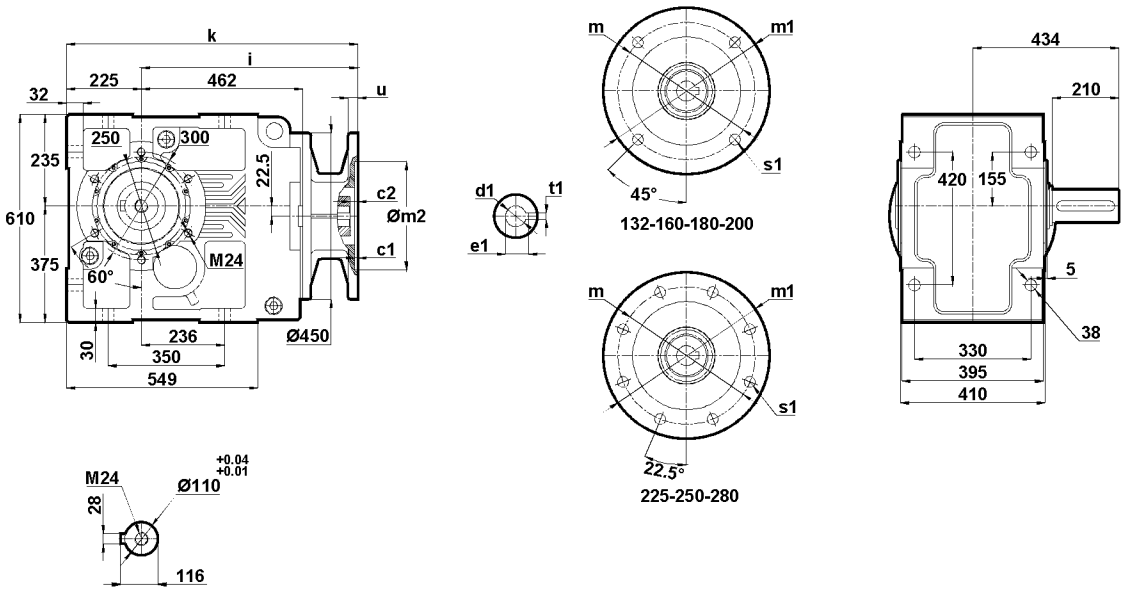
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN873.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

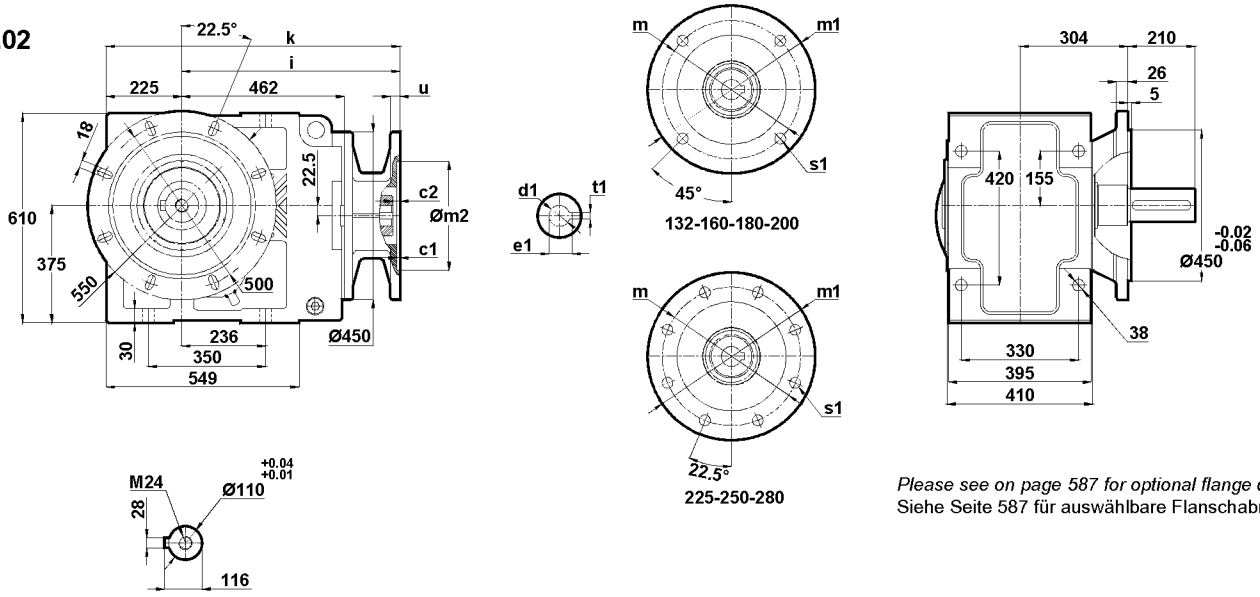
KN873.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

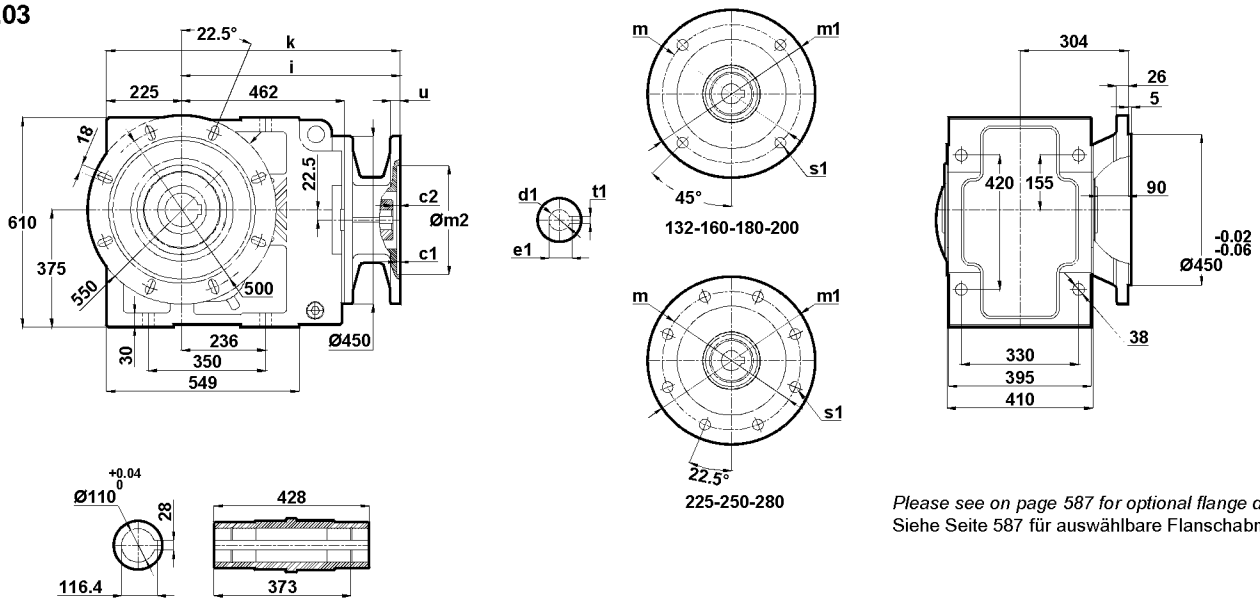
KN873.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

KN873.03

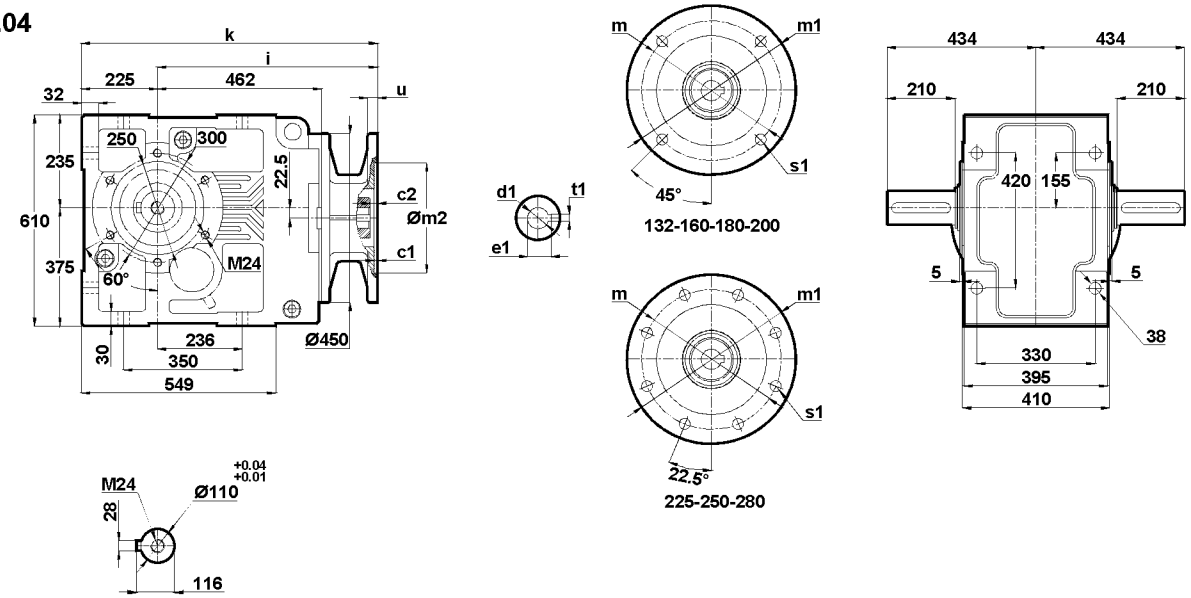


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

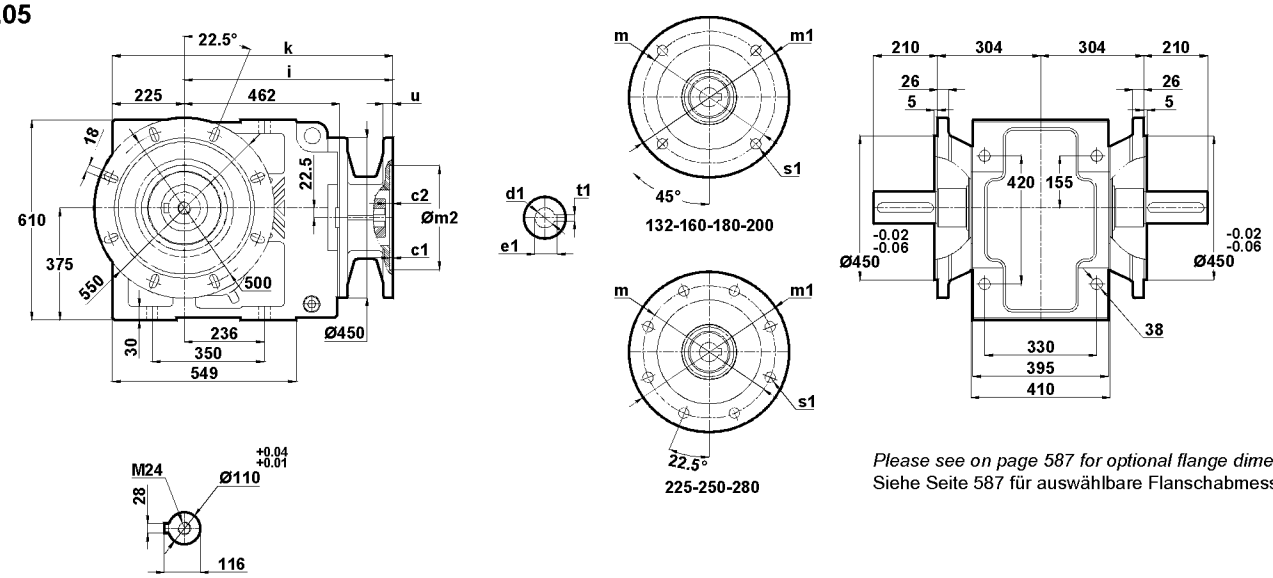
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN873.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

KN873.05

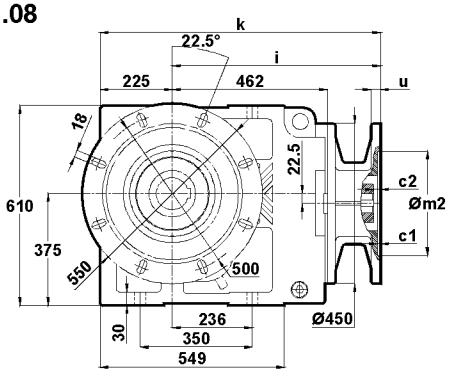


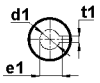
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

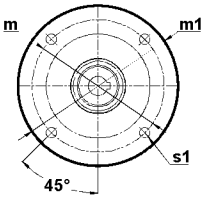
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

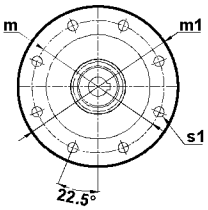
KN873.08



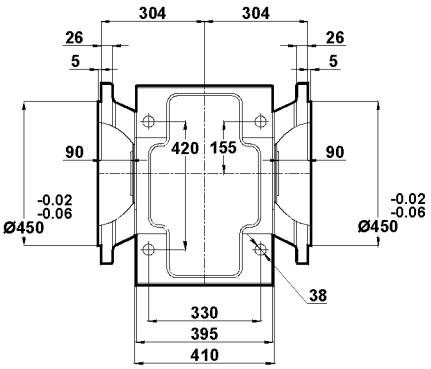


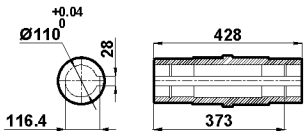


132-160-180-200



225-250-280



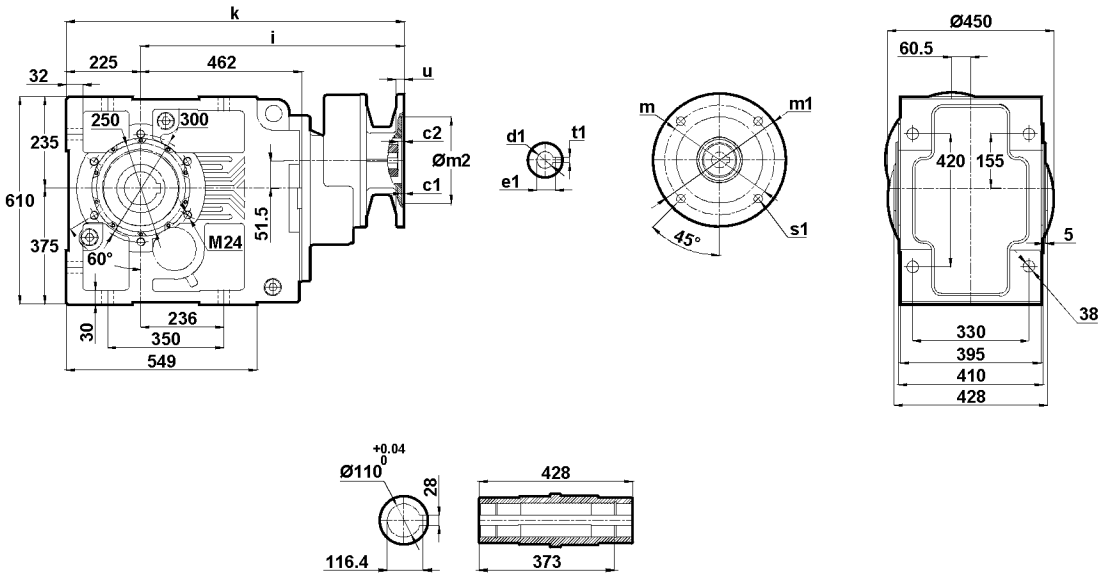


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	532.5	15	757.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B5	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	19	500	550	450	680	24	905	65	18	69.4
280/B5	5.5	10	19	500	550	450	680	24	905	75	20	79.9

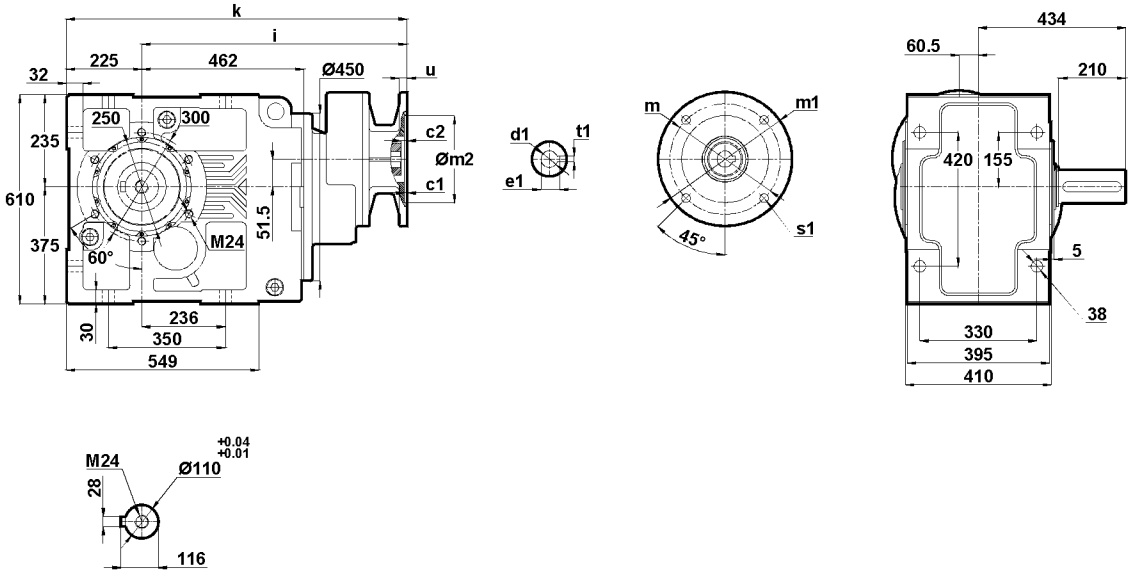
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN874.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

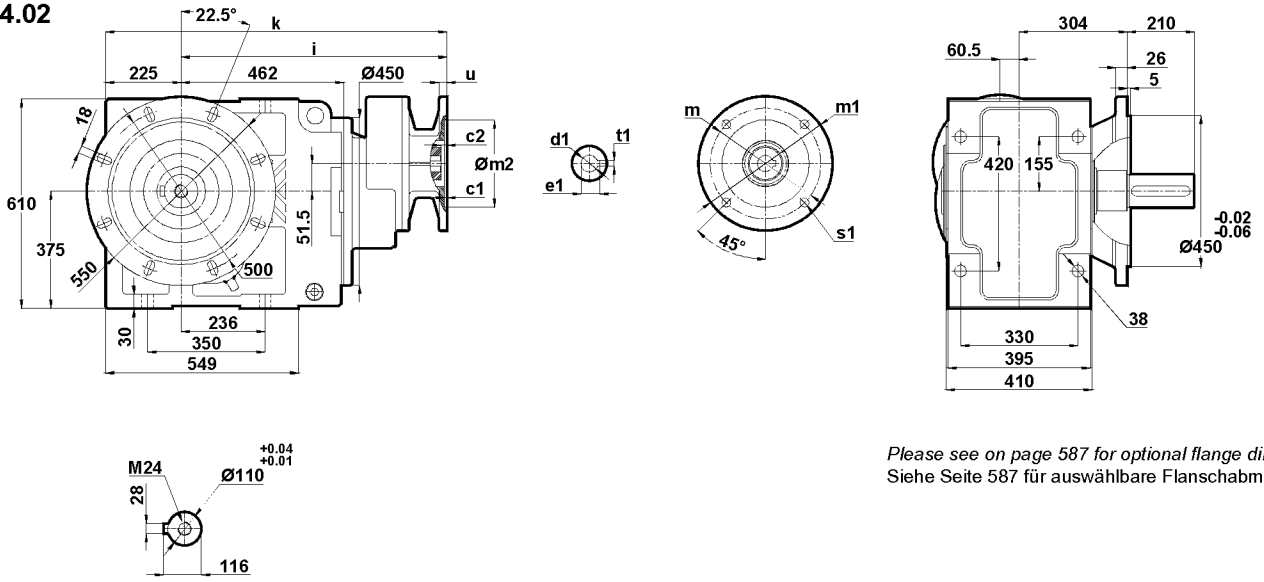
KN874.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

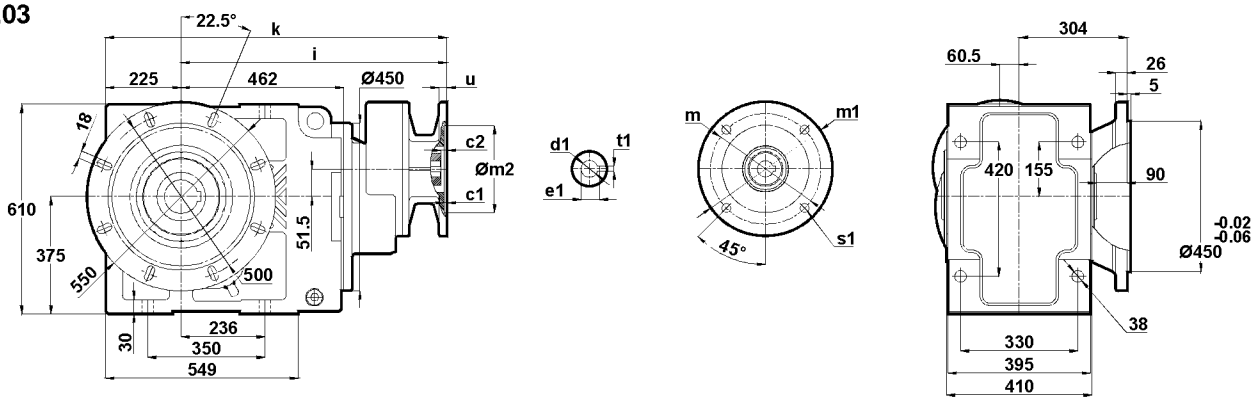
KN874.02

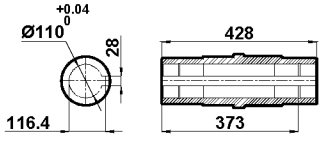


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

KN874.03



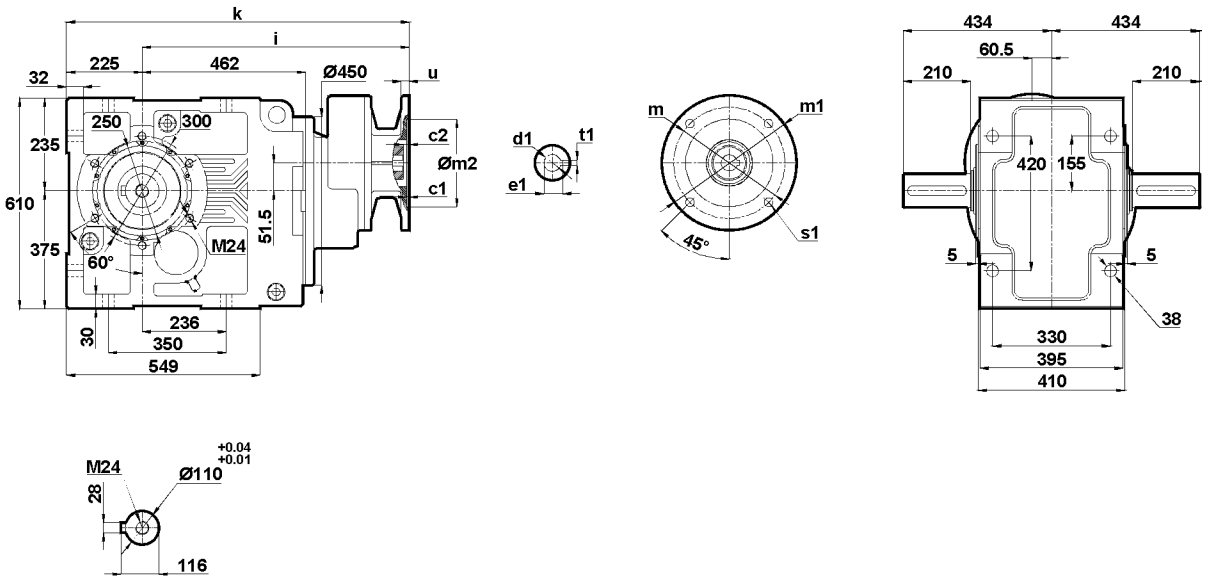


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

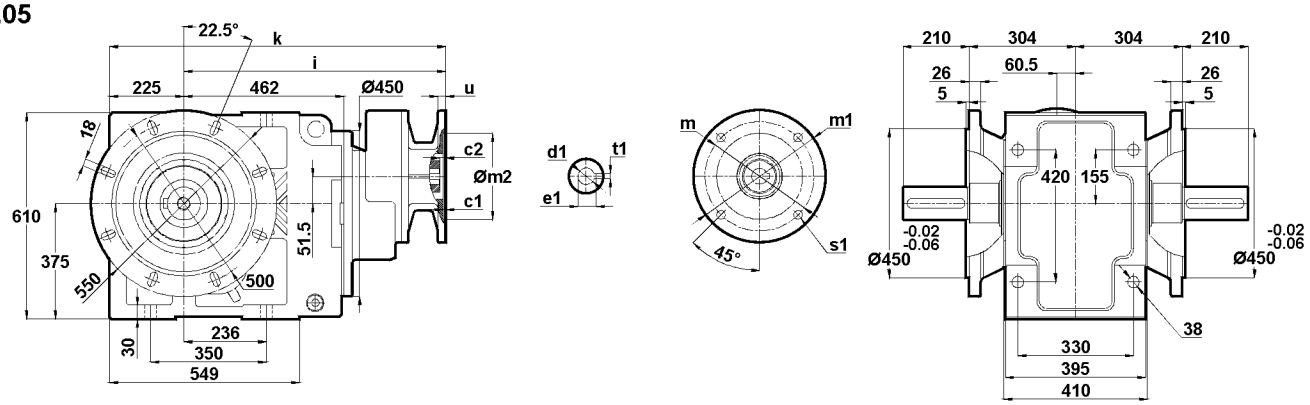
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

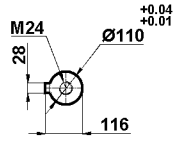
KN874.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

KN874.05



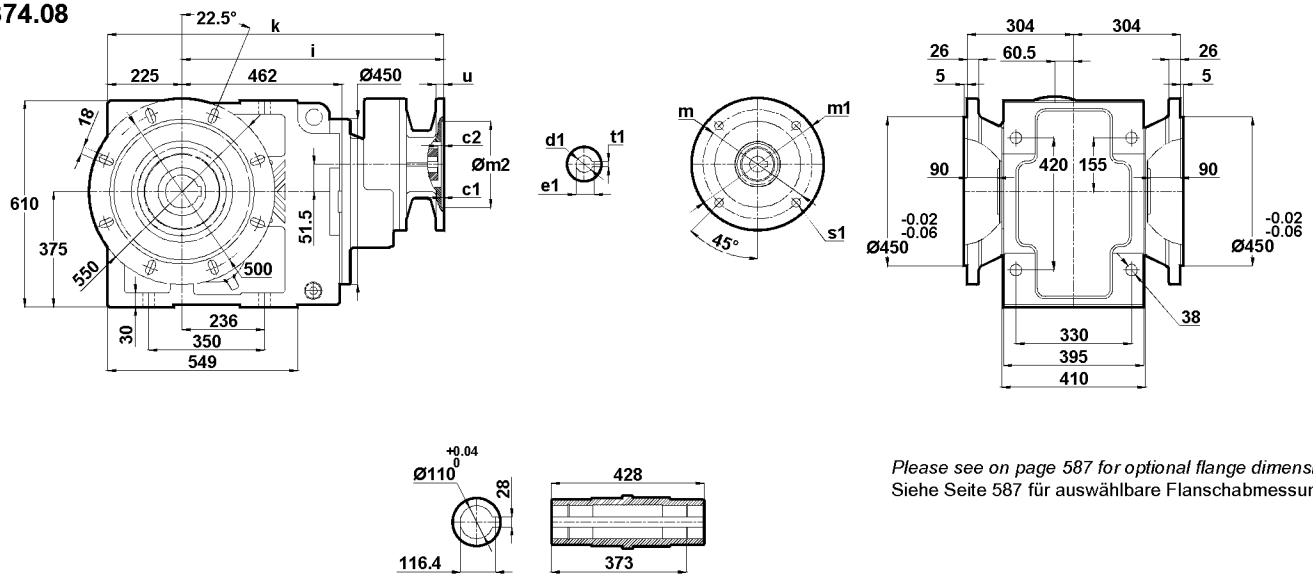


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN874.08

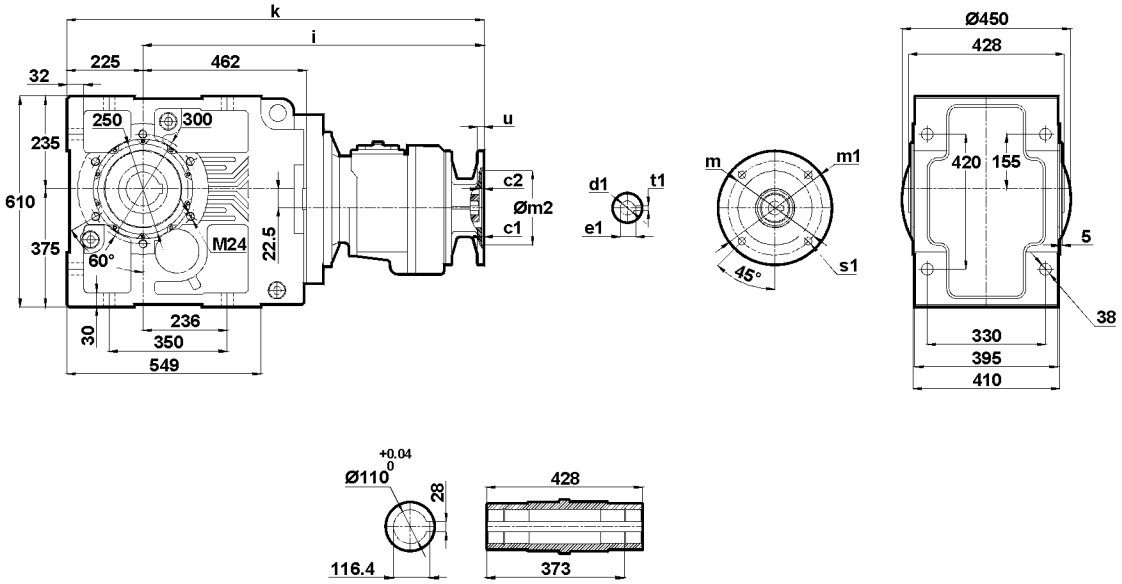


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
112/B5	4.5	9	15	215	250	180	652.5	15	877.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	673.5	15	898.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	749	18	974	42	12	45.3
180/B5	5.5	10	19	300	350	250	749	18	974	48	14	51.8

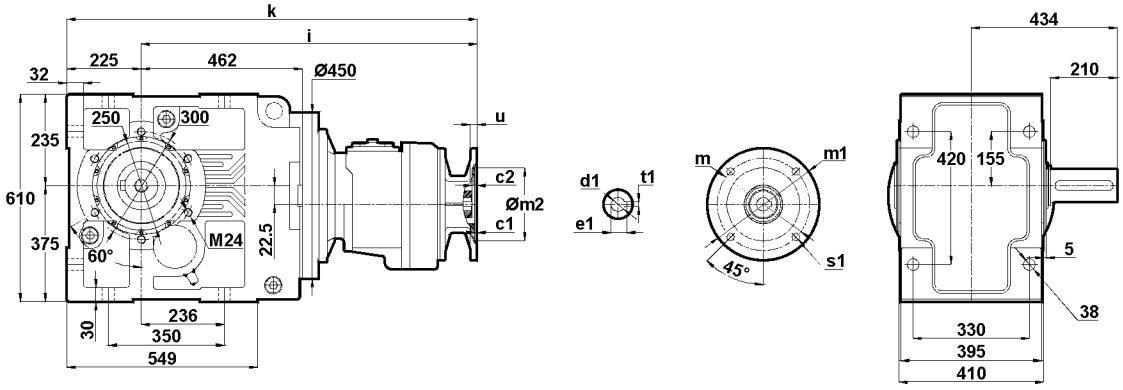
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

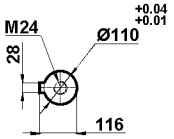
KN875.00
KN876.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

KN875.01
KN876.01

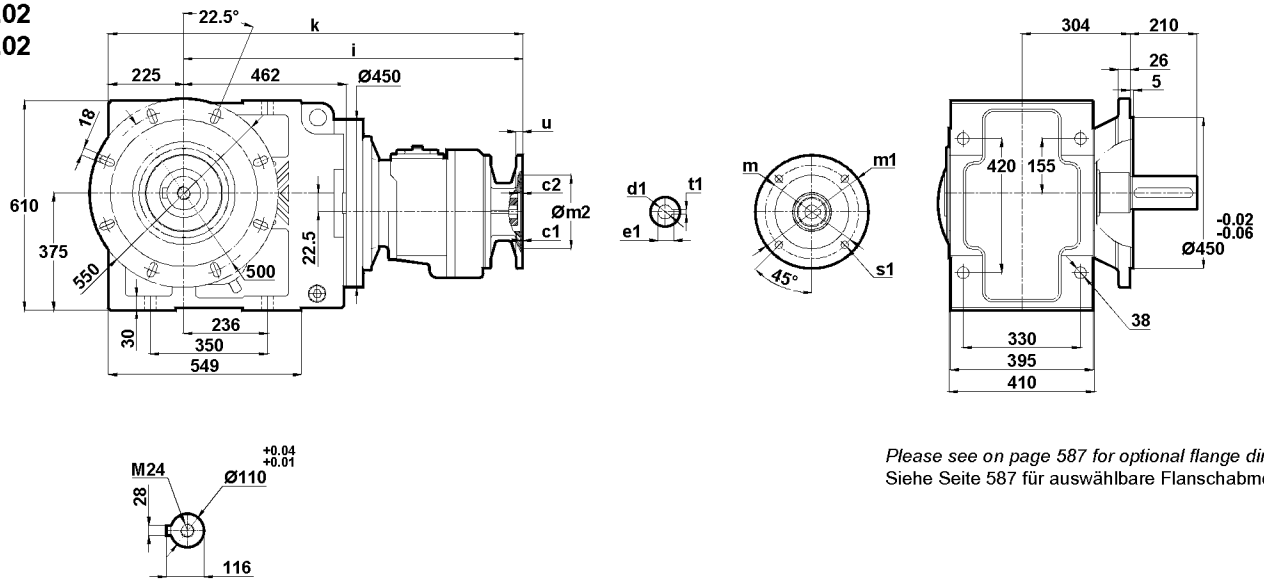




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

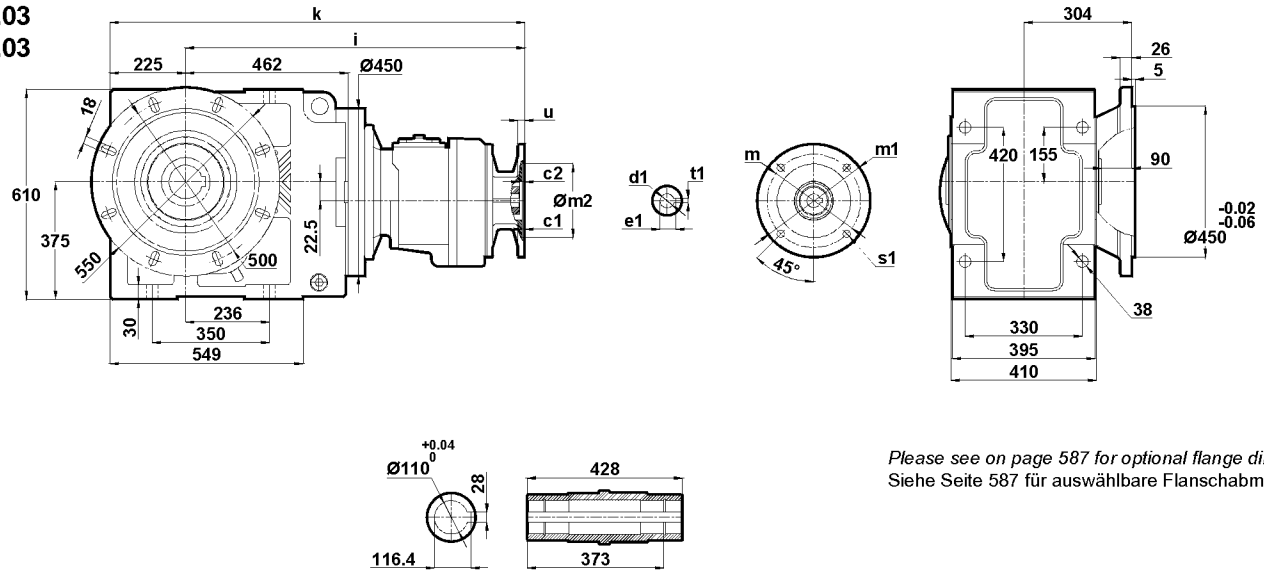
KN875.02
KN876.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

KN875.03
KN876.03

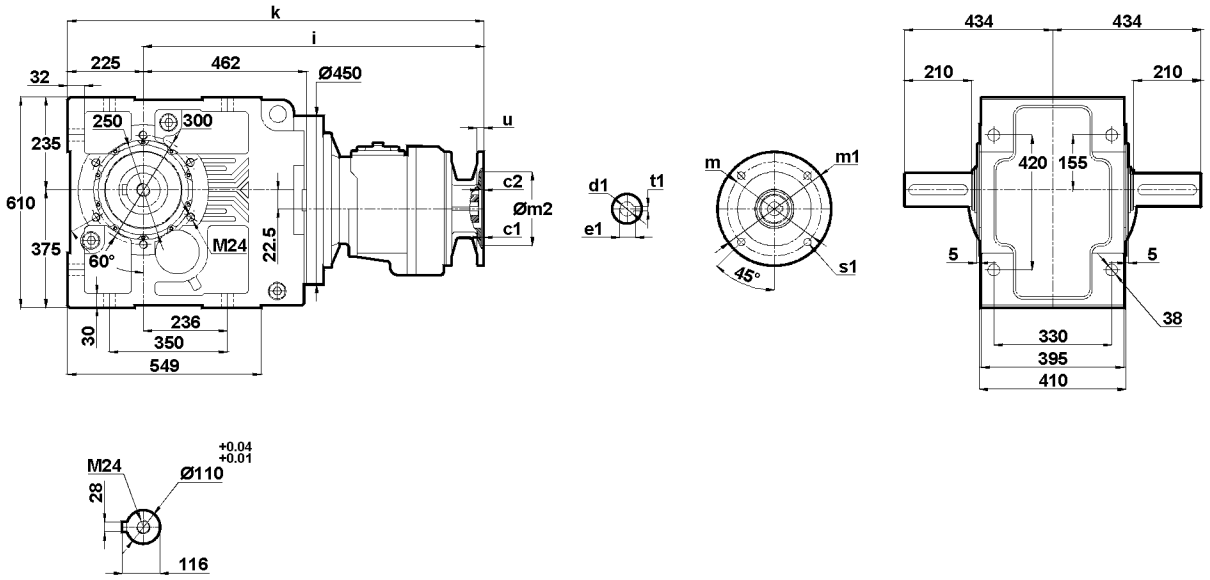


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

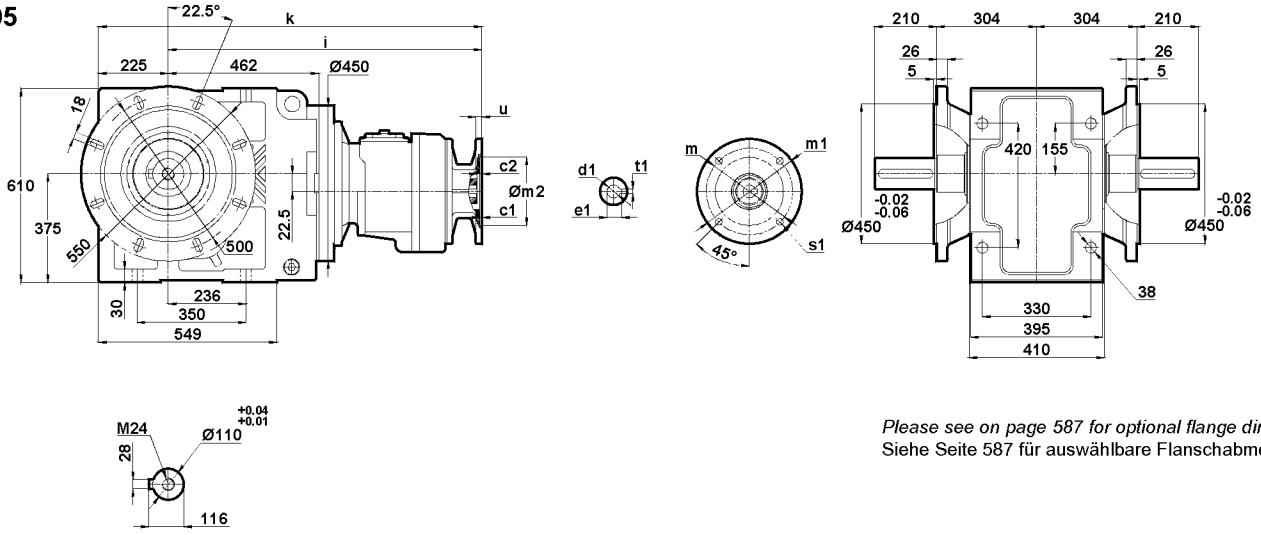
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN875.04
KN876.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

KN875.05
KN876.05

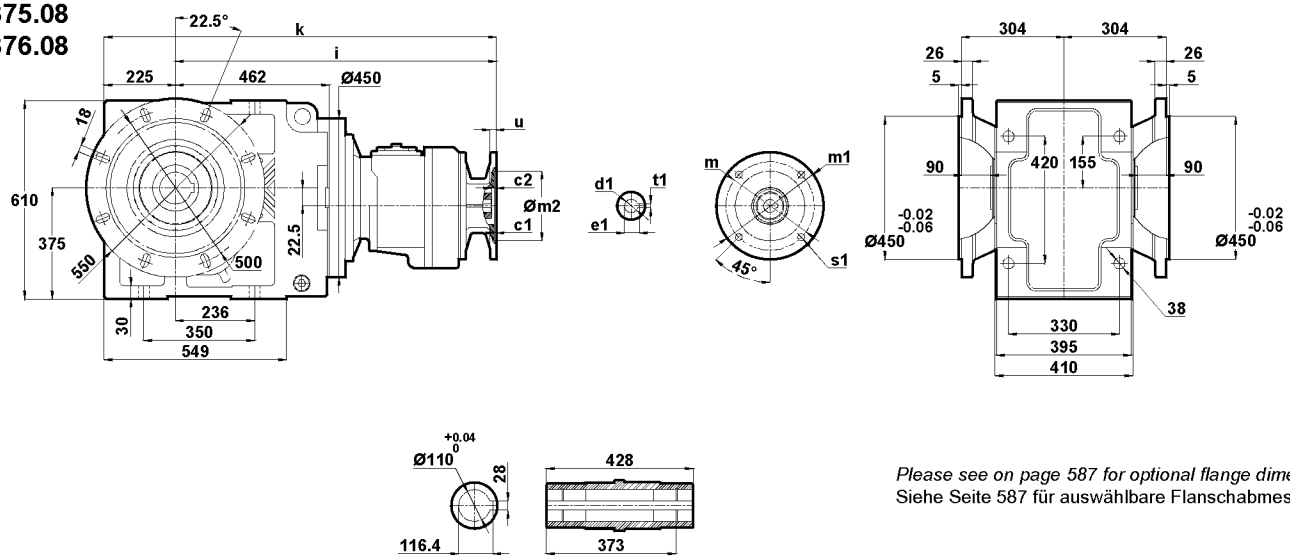


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN875.08
KN876.08

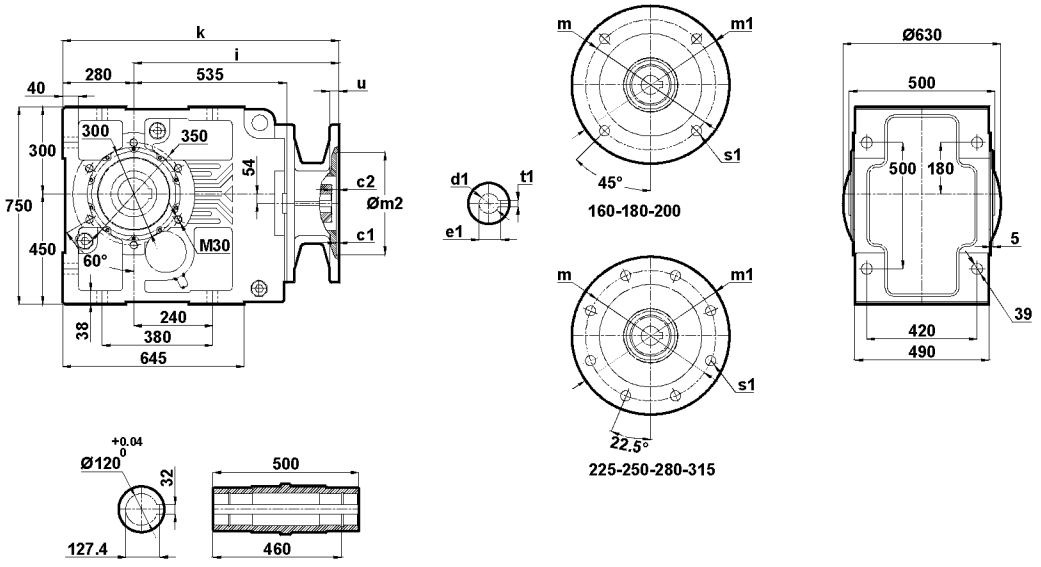


Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	771.5	12	996.5	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	771.5	12	996.5	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	771.5	12	996.5	24	8	27.3
100/B5 **100/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3
112/B5 **112/B14**	4.5 4	9	15 9	215 130	250 160	180 110	788.5	15	1013.5	28	8	31.3

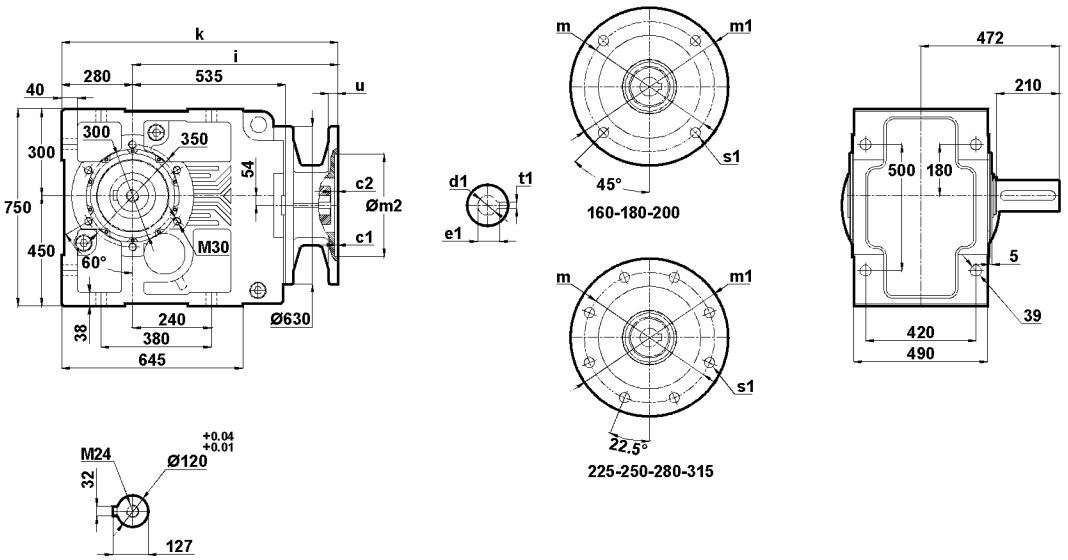
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN973.00



	c1	c2	s1	m	m1	m2(H7)	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

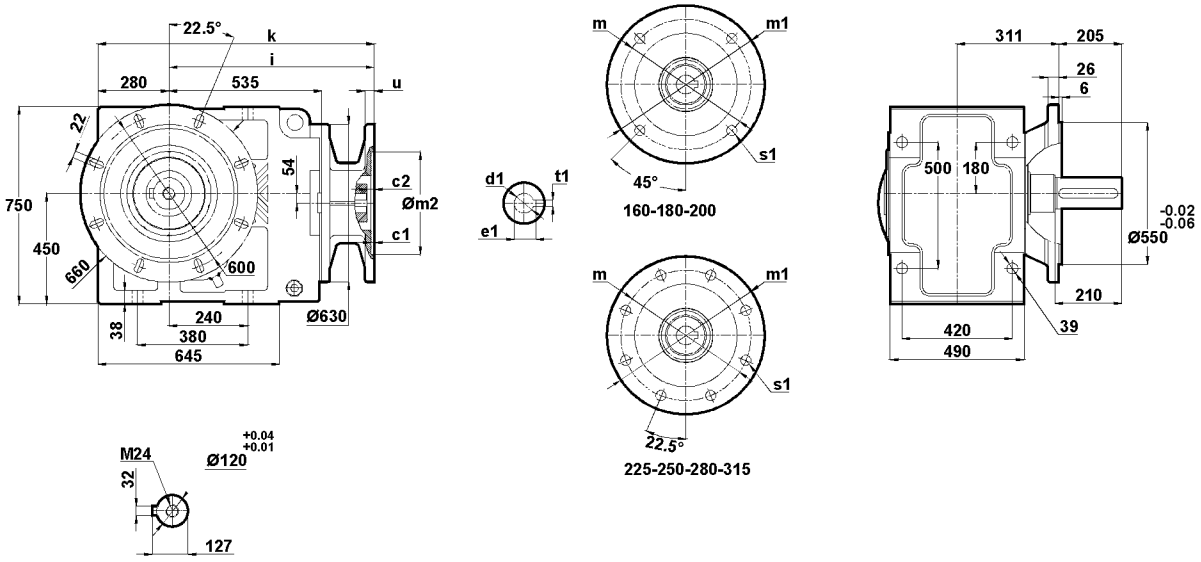
KN973.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

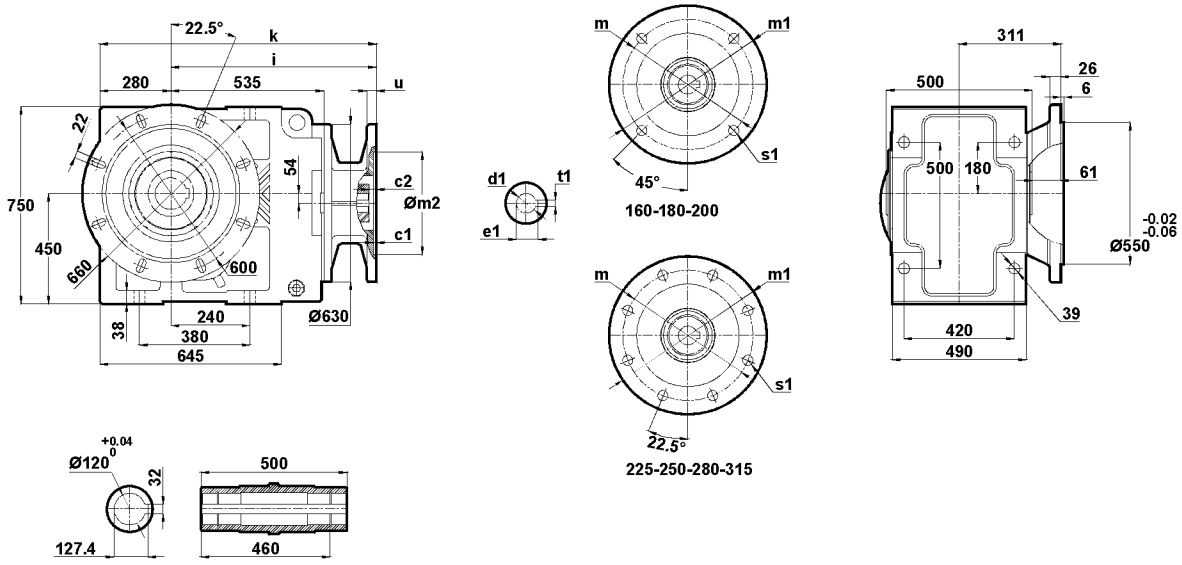
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN973.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

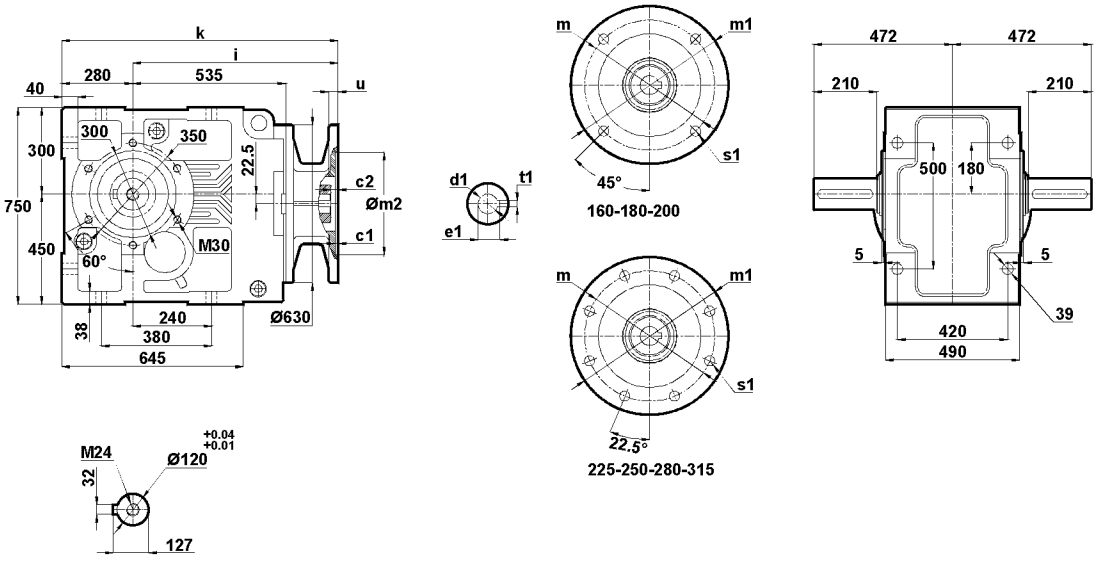
KN973.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

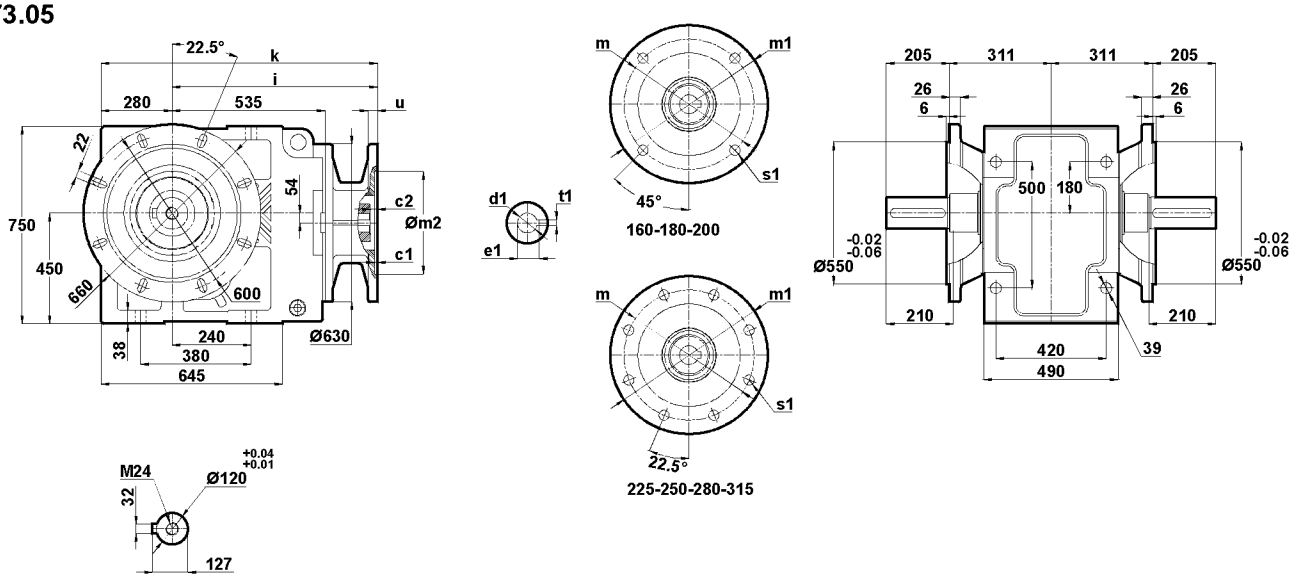
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN973.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

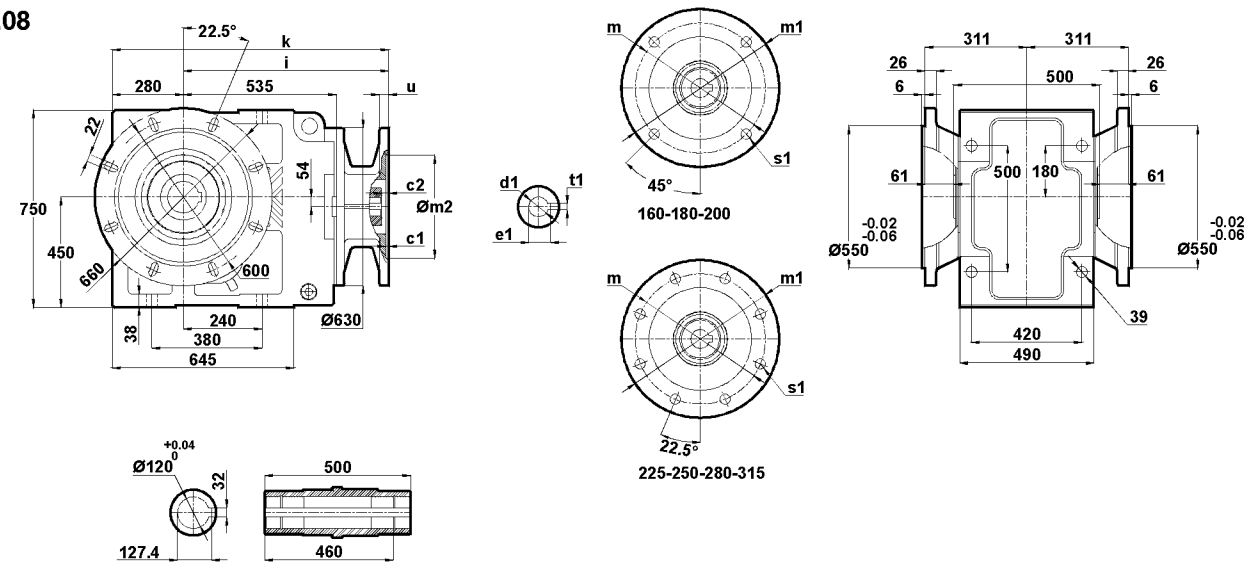
KN973.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

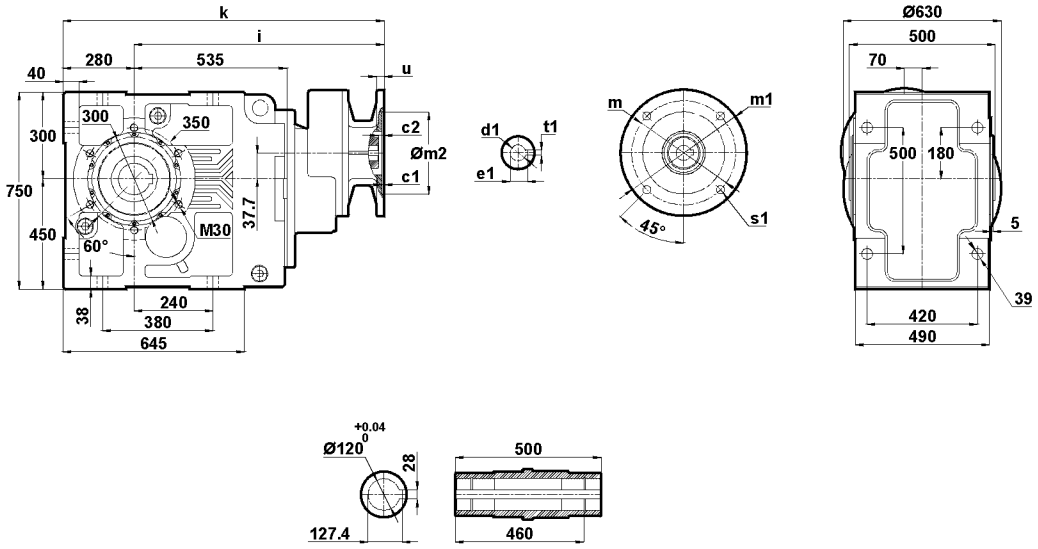
KN973.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
160/B5	5.5	10	19	300	350	250	667	20	947	42	12	45.3
180/B5	5.5	10	19	300	350	250	667	20	947	48	14	51.8
200/B5	5.5	10	19	350	400	300	691	22	971	55	16	59.3
225/B5	5.5	10	19	400	450	350	733	24	1013	60	18	64.4
250/B5	5.5	10	19	500	550	450	755	24	1035	65	18	69.4
280/B5	5.5	10	19	500	550	450	755	24	1035	75	20	79.4
315/B5	6.5	15	24	660	600	550	835	24	1115	85	22	90.4

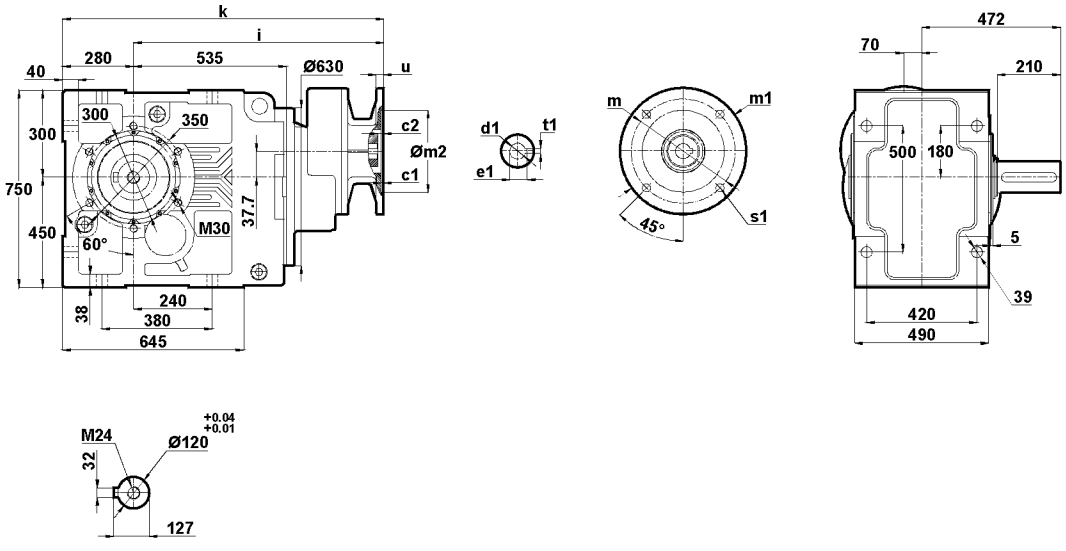
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN974.00



	c1	c2	s1	m	m1	m2(H7)	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

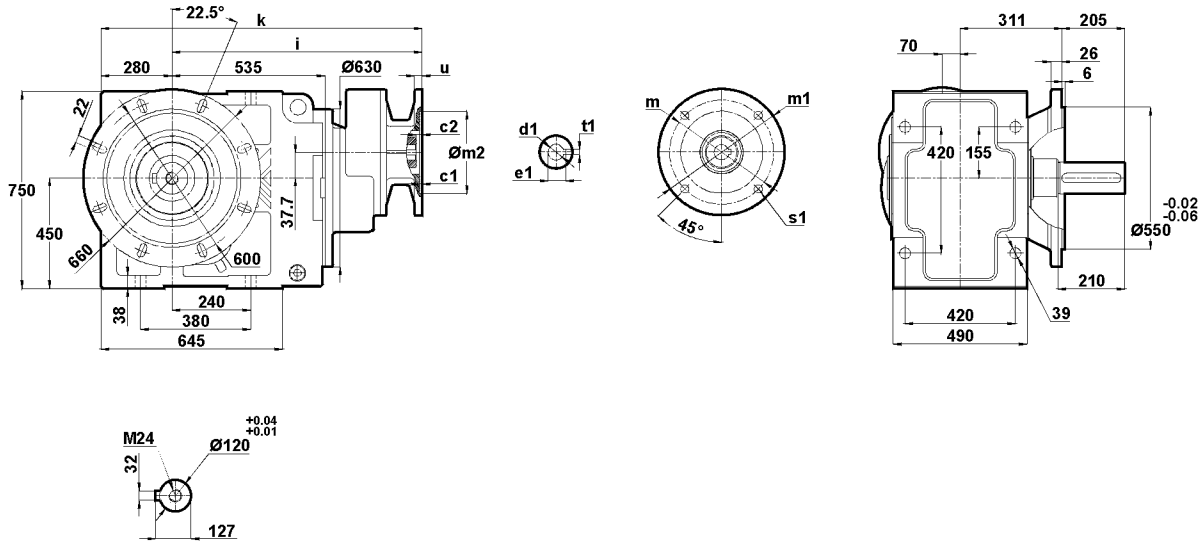
KN974.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

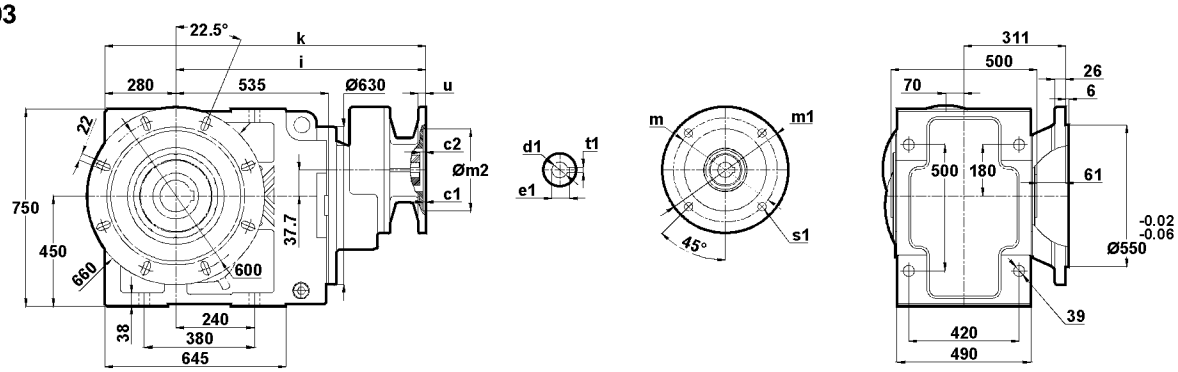
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

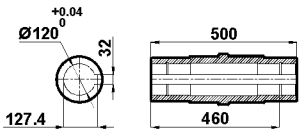
KN974.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

KN974.03

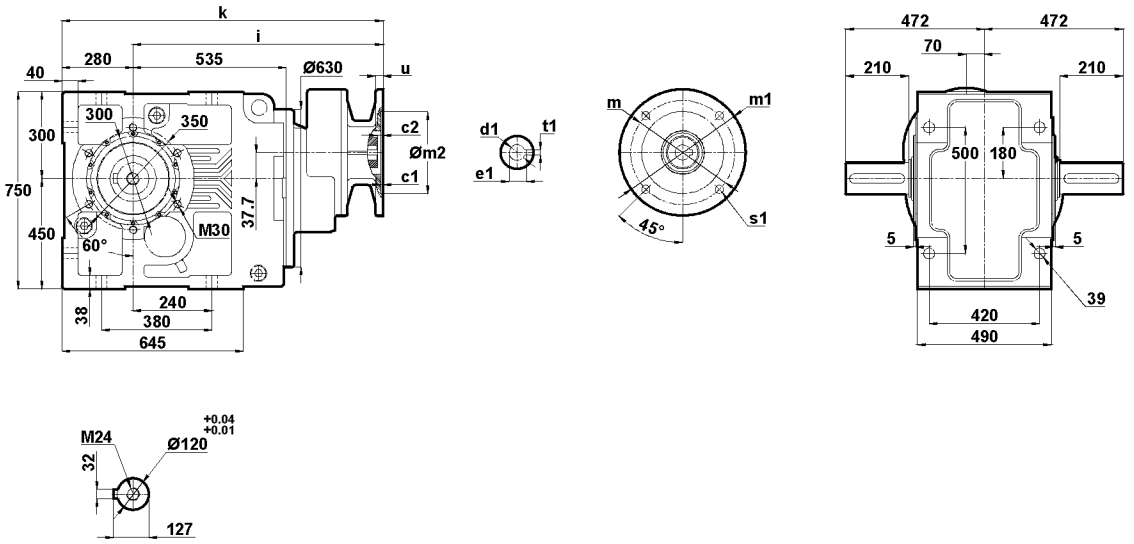




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

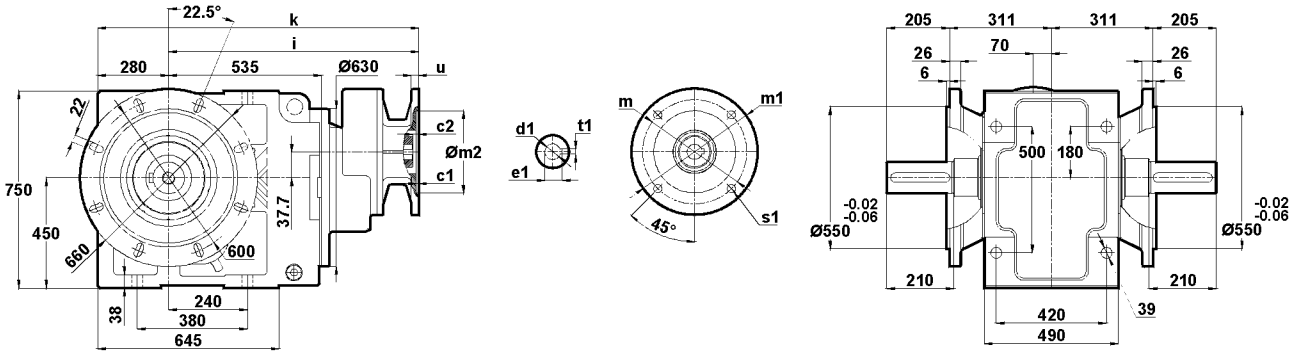
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

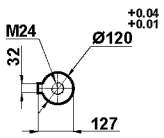
KN974.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

KN974.05

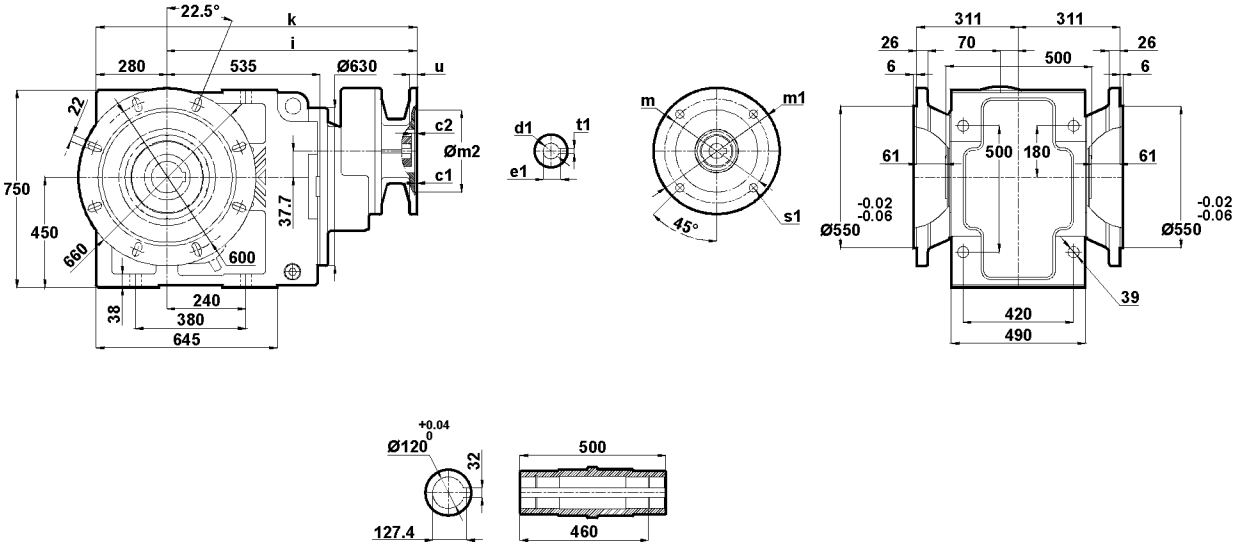




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

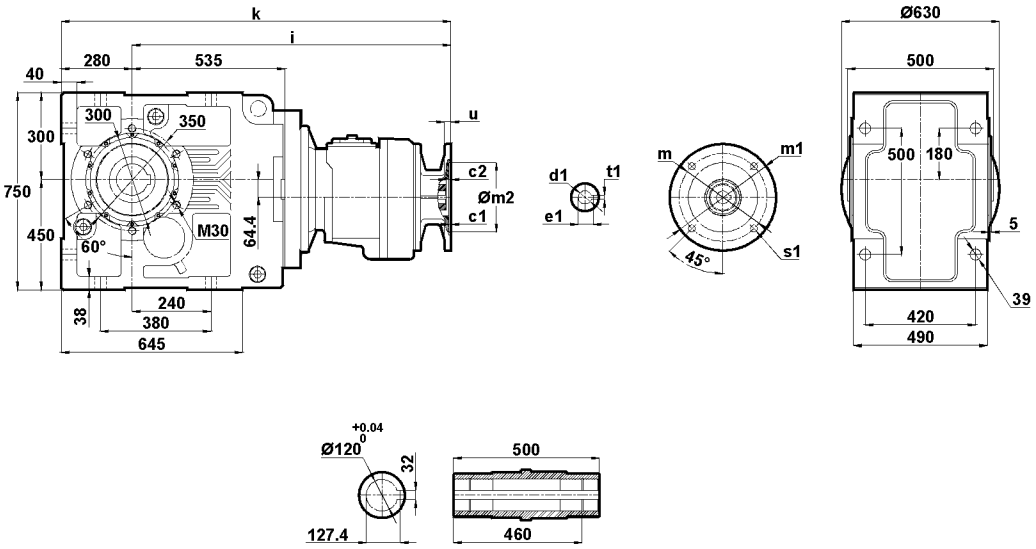
KN974.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
112/B5	5	15	15	215	250	180	755.5	15	1035.5	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	770.5	15	1050.5	38	10	41.3
160/B5	5.5	10	19	300	350	250	845.5	20	1125.5	42	12	45.3
180/B5	5.5	10	19	300	350	250	845.5	20	1125.5	48	14	51.8

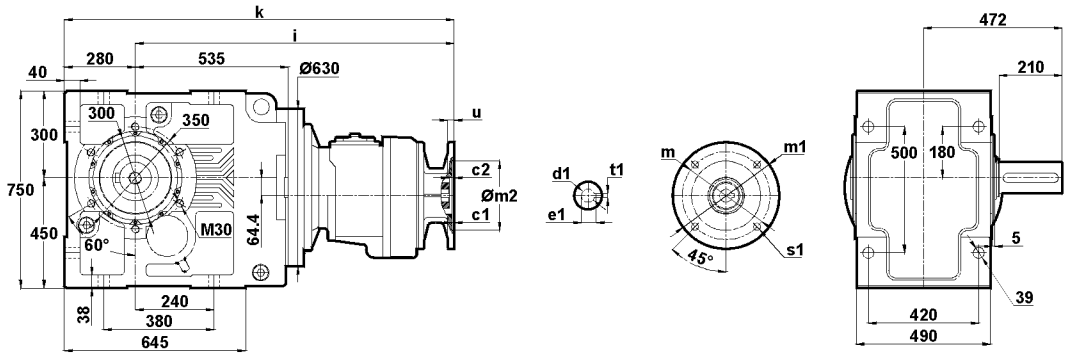
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

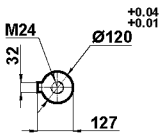
KN975.00
KN976.00



	c1	c2	s1	m	m1	m2(H7)	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

KN975.01
KN976.01

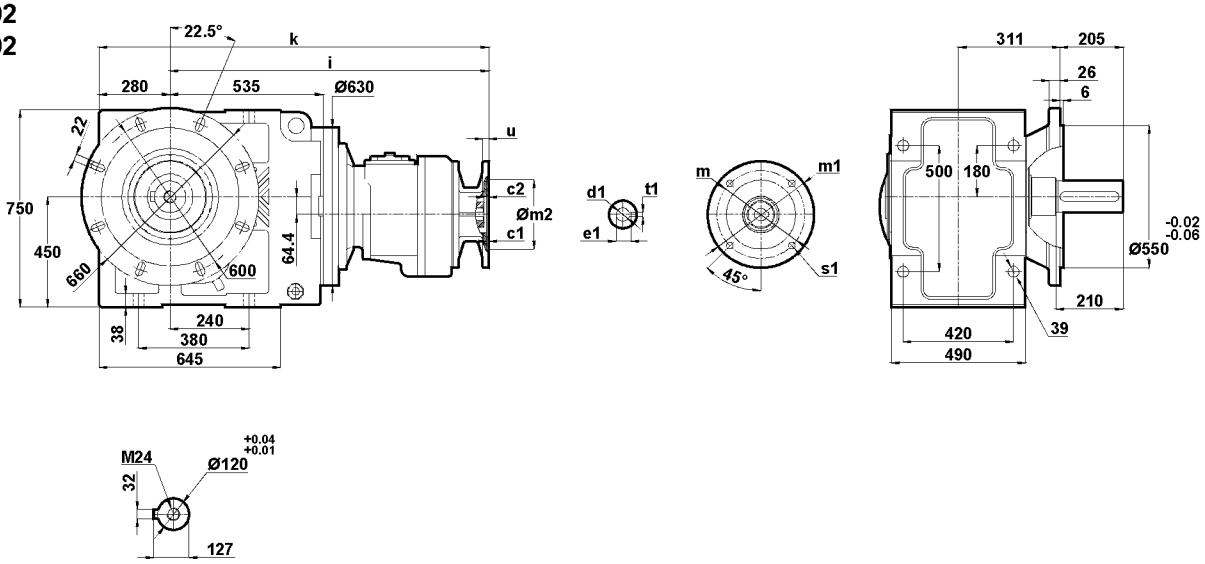




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

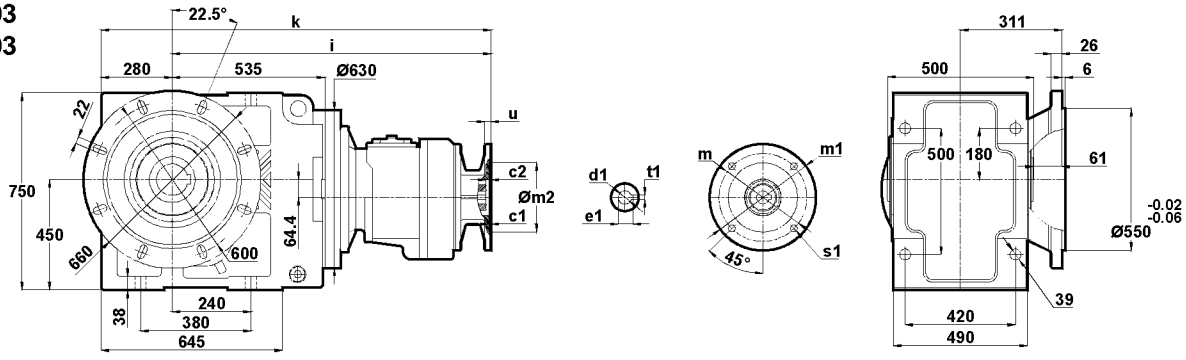
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

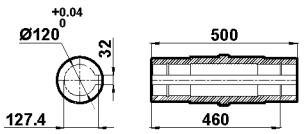
KN975.02
KN976.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

KN975.03
KN976.03

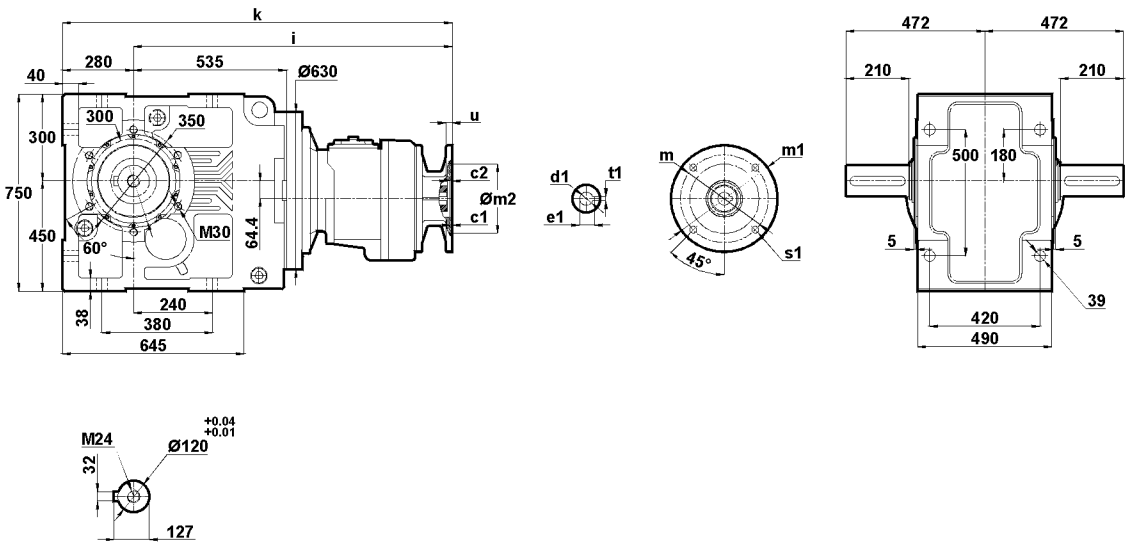




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

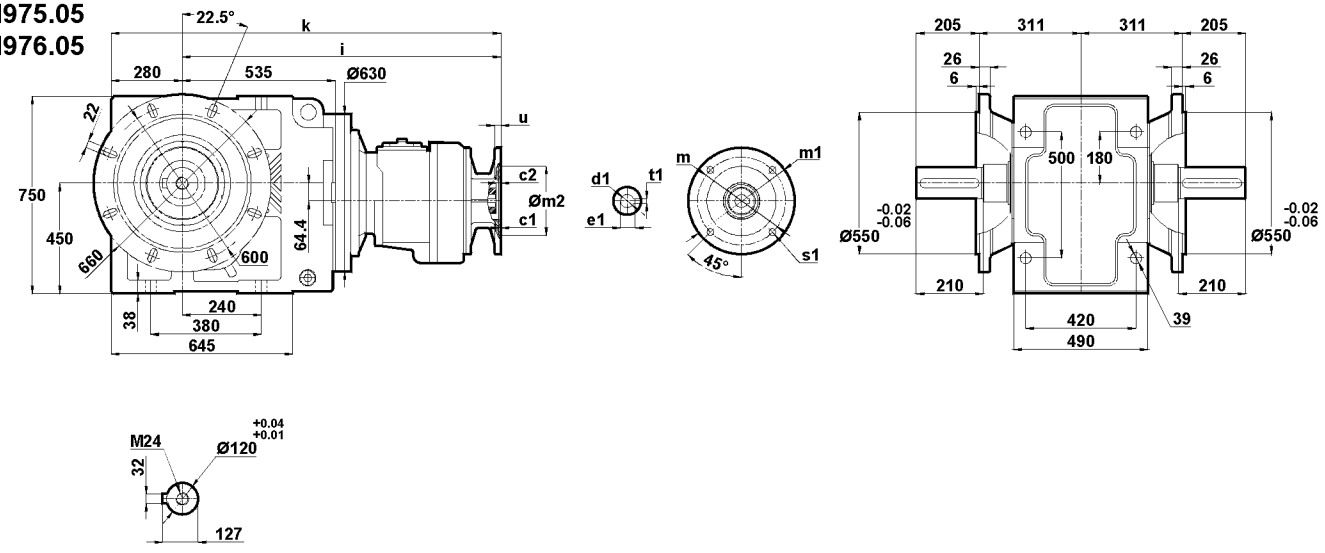
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KN975.04
KN976.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

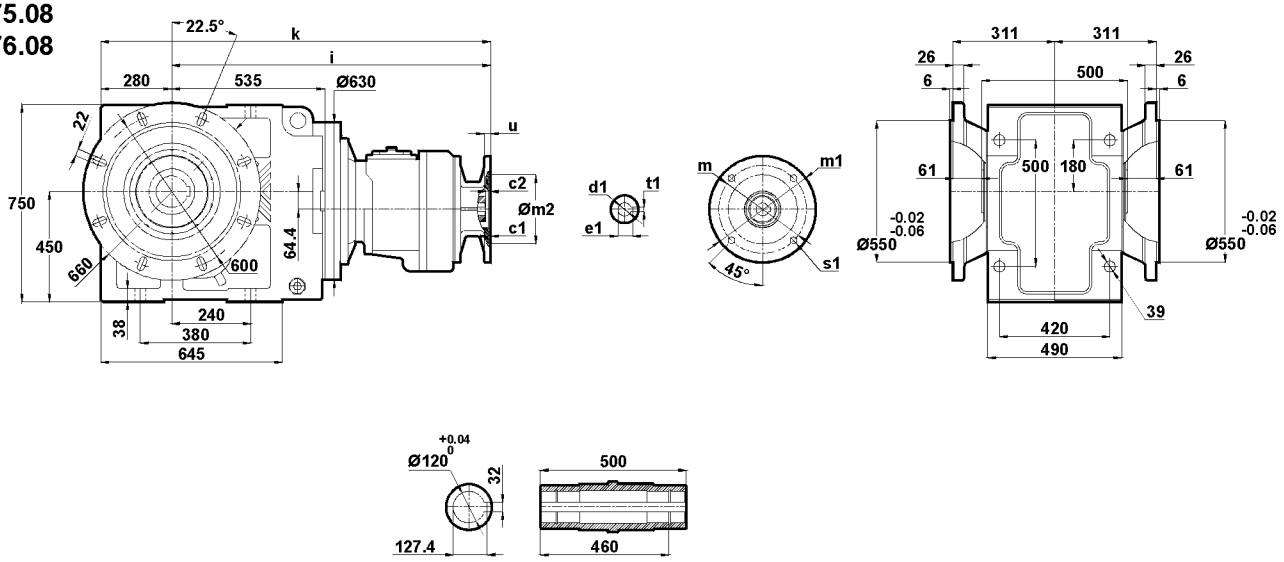
KN975.05
KN976.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

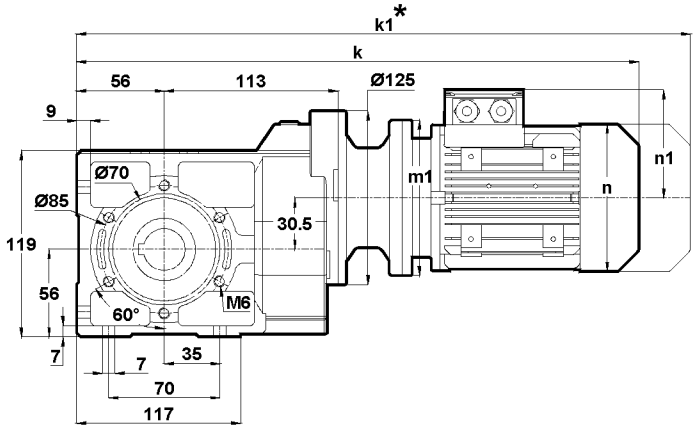
KN975.08
KN976.08

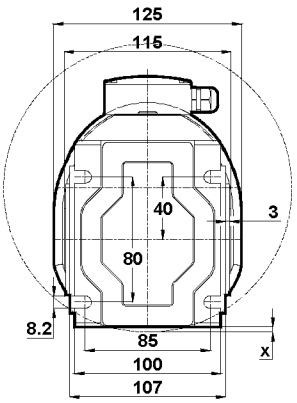


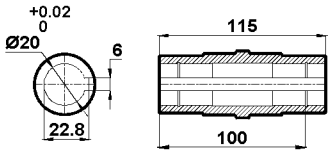
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5 **80/B14**	4	4	12	165	200	130	891.5	12	1171.5	19	6	21.8
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	891.5	12	1171.5	24	8	27.3
100/B5 **100/B14**	5 4	9	15 9	215 130	250 160	180 110	910	15	1190	28	8	31.3
112/B5 **112/B14**	4.5	9	9	215 130	250 160	180 110	910	15	1190	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	928.5	15	1208.5	38	10	41.3

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV002.00
KV003.00



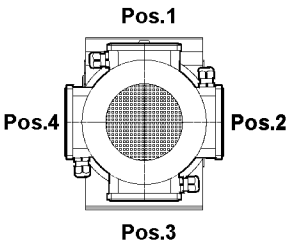




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

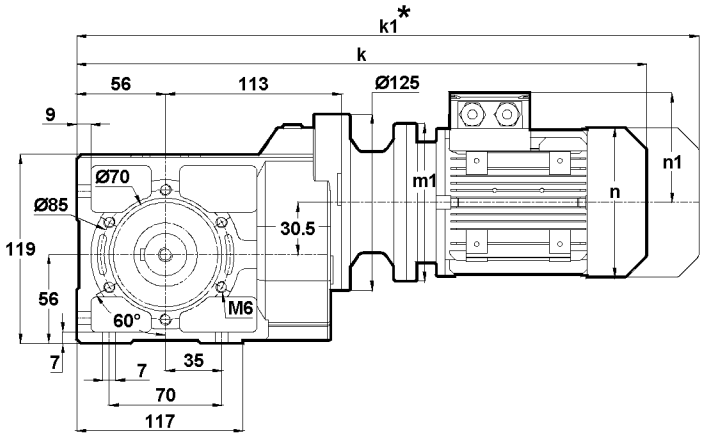
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

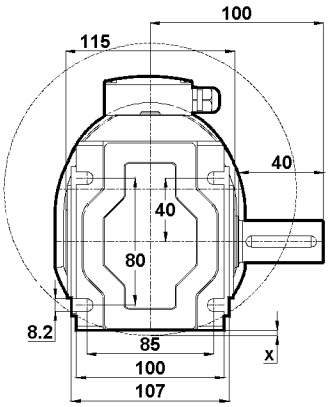
Terminal Box Positions
Klemmkasten Positionen

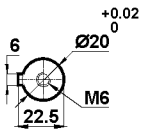


63-71-80-90
Type / Typ

KV002.01
KV003.01







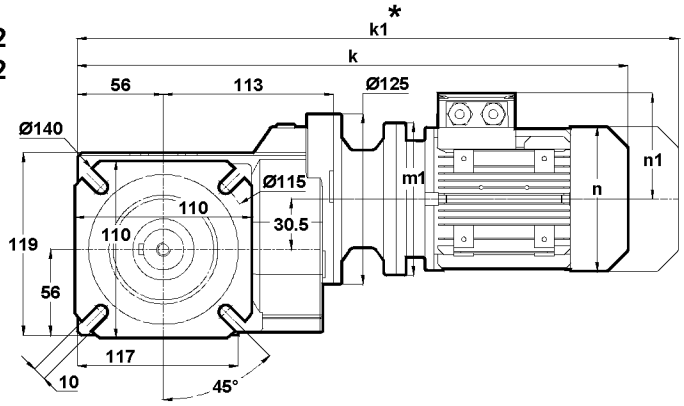
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

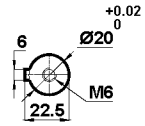
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

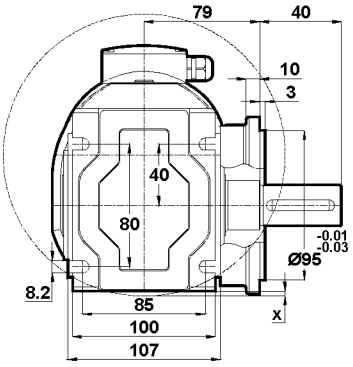
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV002.02
KV003.02



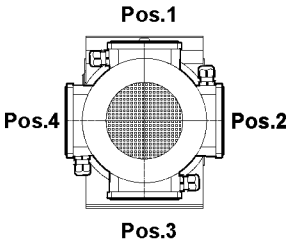




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

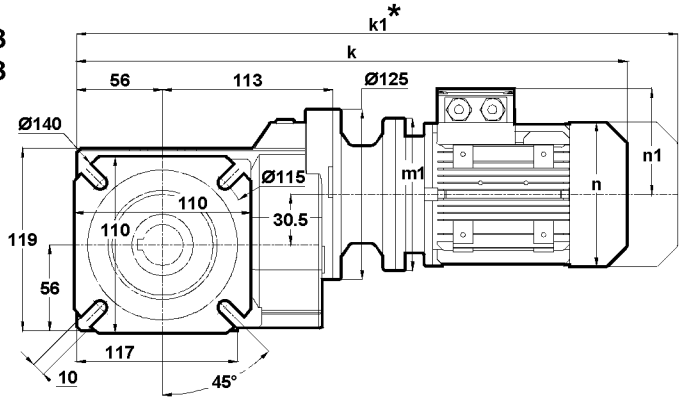
Terminal Box Positions
Klemmkasten Positionen

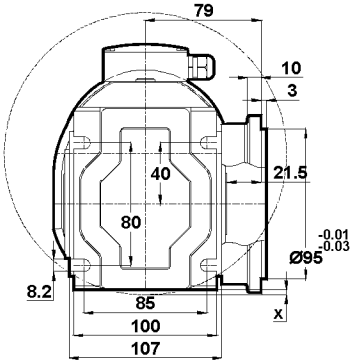


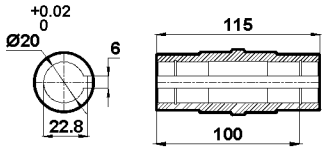
63-71-80-90
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV002.03
KV003.03







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

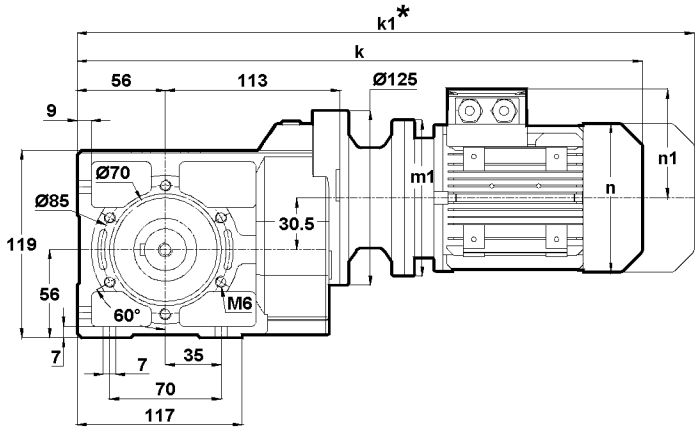
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

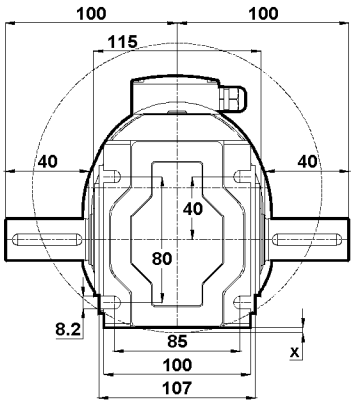
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

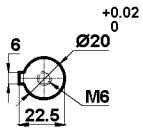
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV002.04
KV003.04



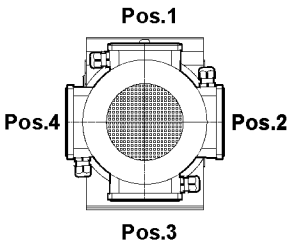


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



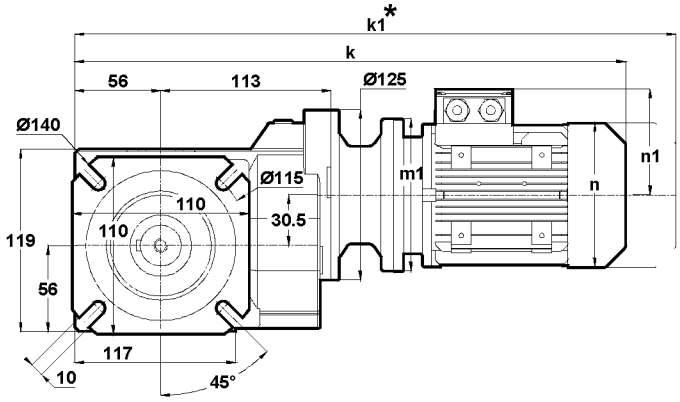
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

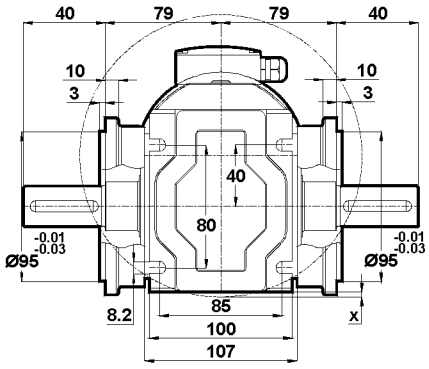
Terminal Box Positions
Klemmkasten Positionen

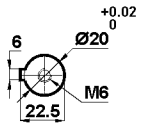


63-71-80-90
Type / Typ

KV002.05
KV003.05







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

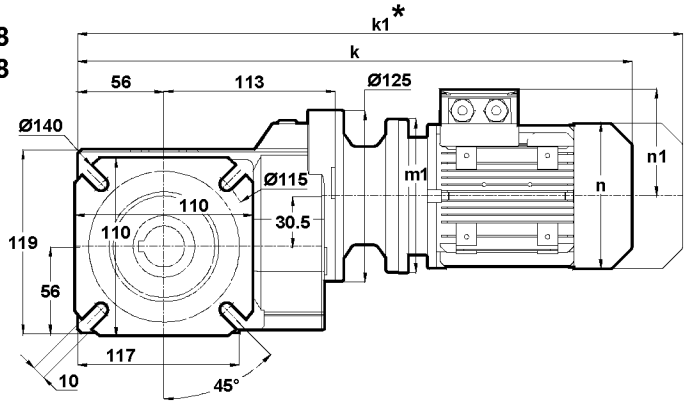
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

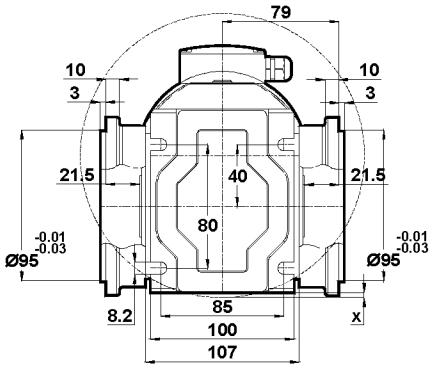
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

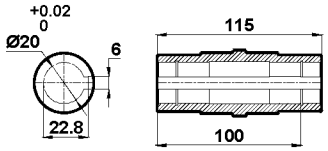
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV002.08
KV003.08



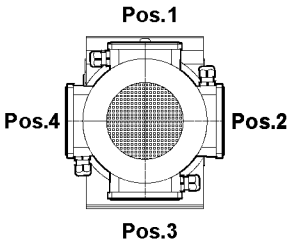




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	405	424.5	462.5	503.5	503.5
k1	466	515.5	555.5	607	607
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	13,5	13,5	13,5

Terminal Box Positions
Klemmkasten Positionen



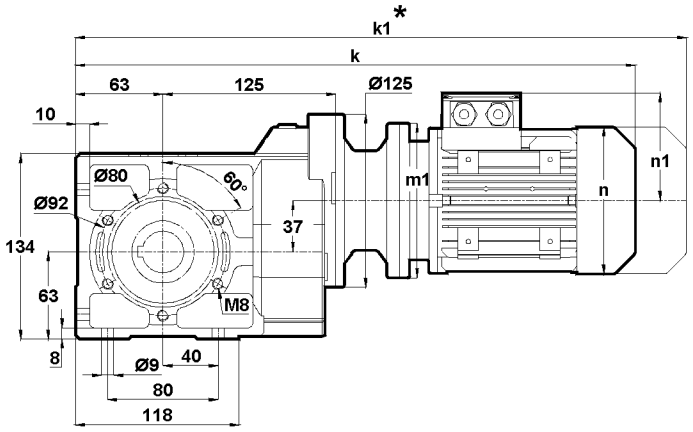
63-71-80-90
Type / Typ

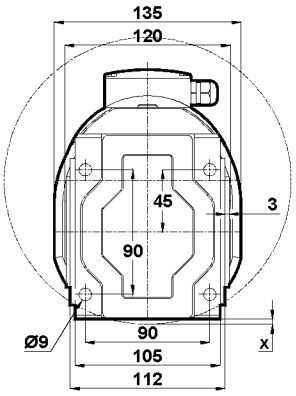
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

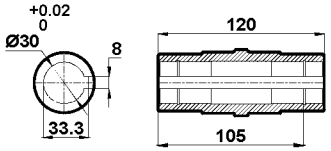
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV102.00
KV103.00



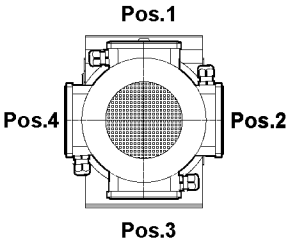




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

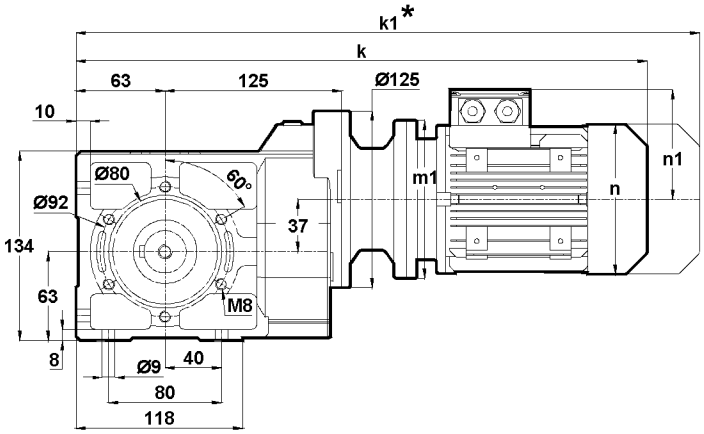
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

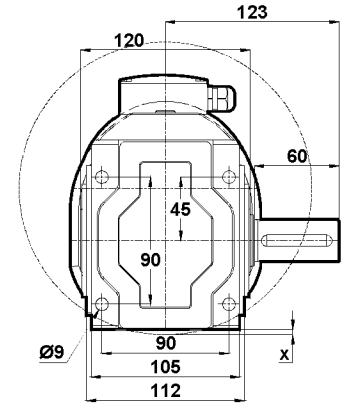
Terminal Box Positions
Klemmkasten Positionen

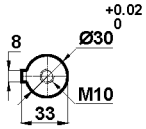


63-71-80-90
Type / Typ

KV102.01
KV103.01







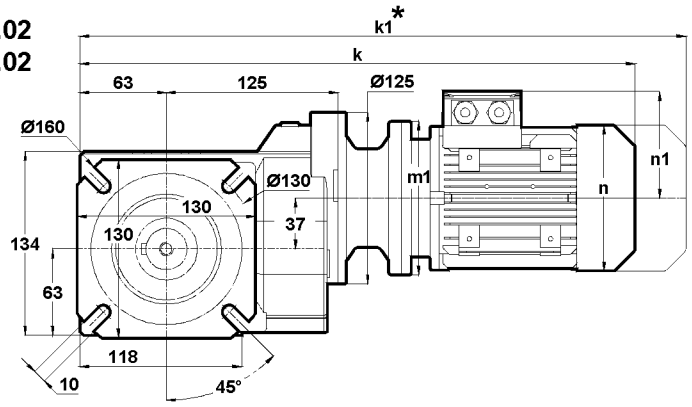
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

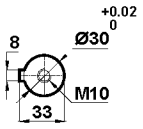
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

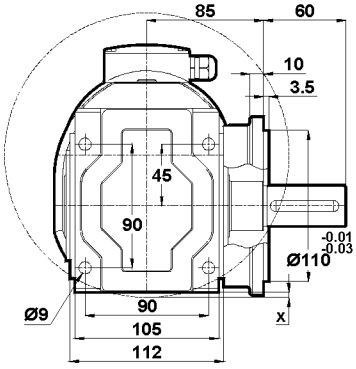
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV102.02
KV103.02

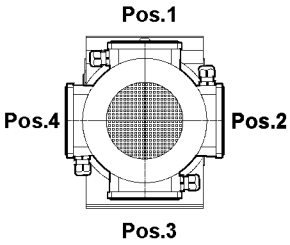






x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Terminal Box Positions
Klemmkasten Positionen

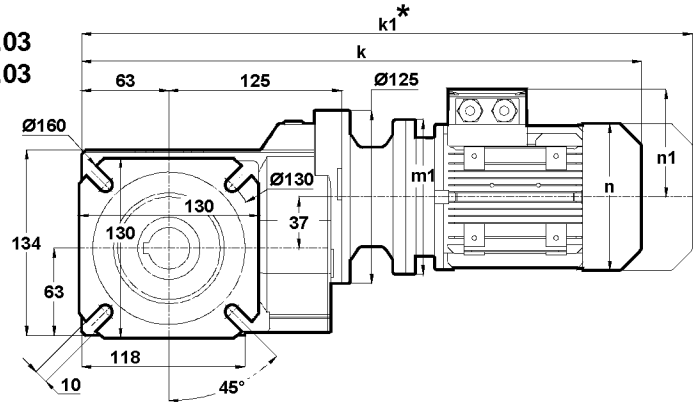


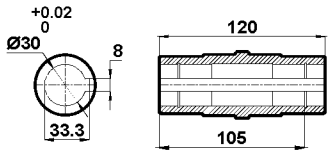
63-71-80-90
Type / Typ

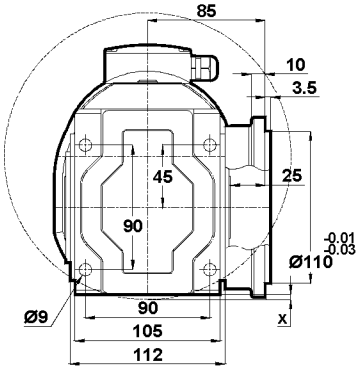
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

KV102.03
KV103.03







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

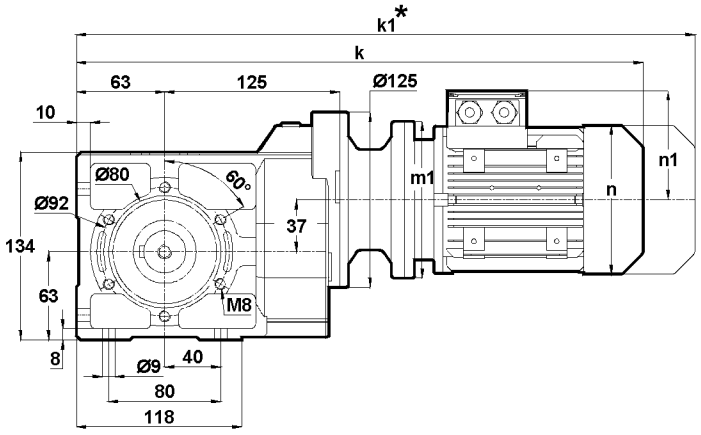
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

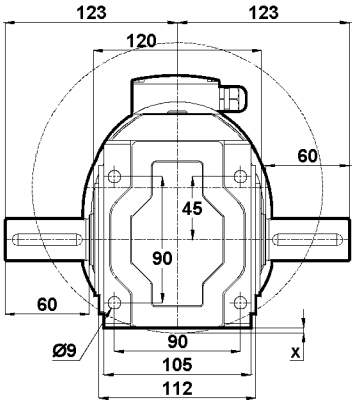
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

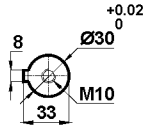
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV102.04
KV103.04



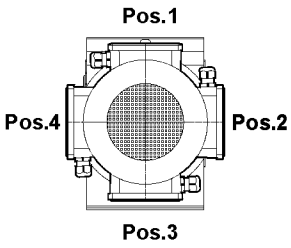




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

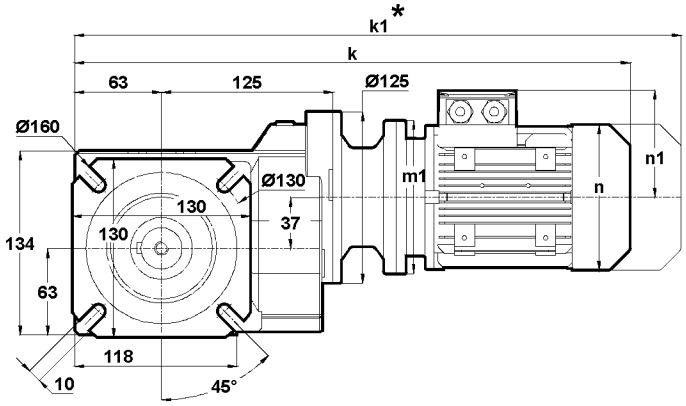
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

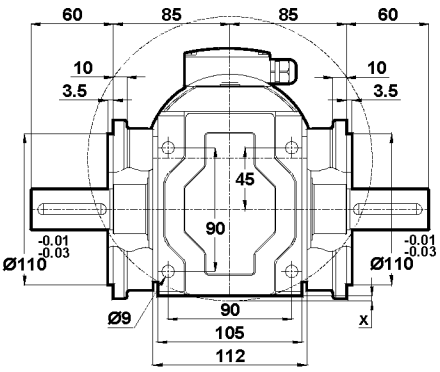
Terminal Box Positions
Klemmkasten Positionen

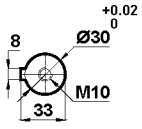


63-71-80-90
Type / Typ

KV102.05
KV103.05







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

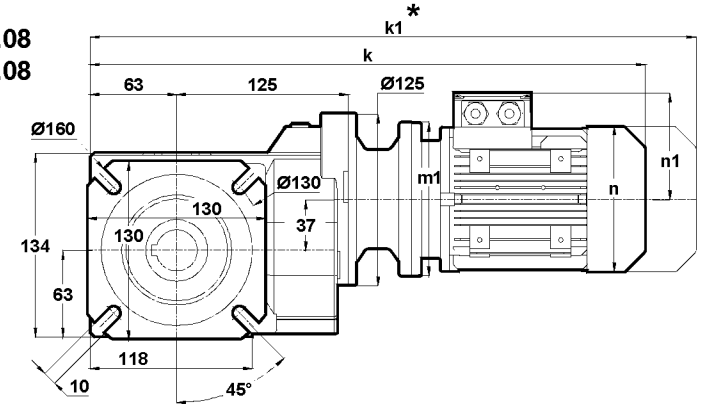
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

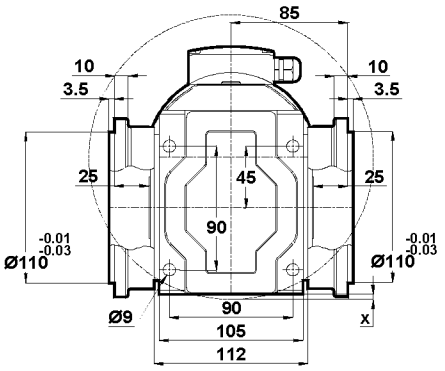
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

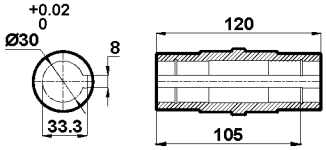
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV102.08
KV103.08



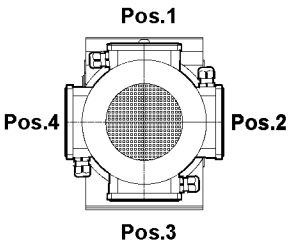




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	424	443.5	481.5	522.5	522.5
k1	485	534.5	574.5	626	626
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



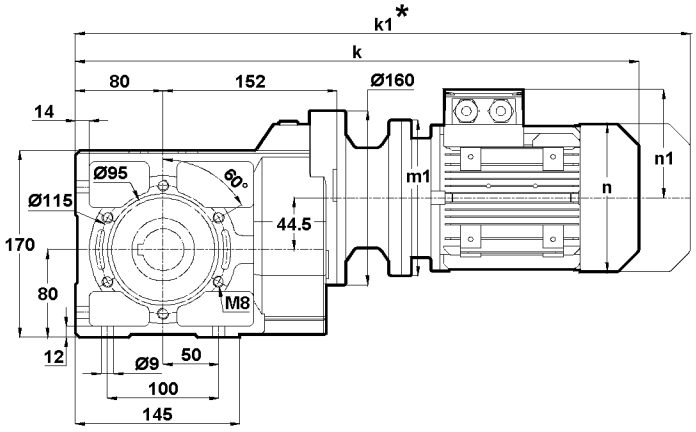
63-71-80-90
Type / Typ

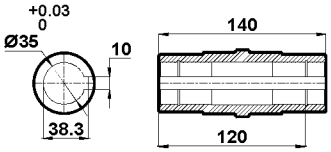
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

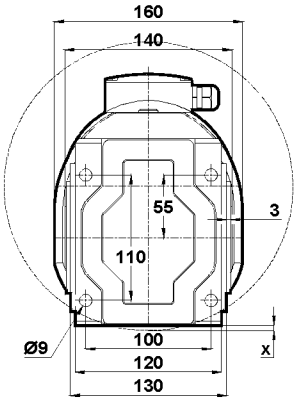
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV202.00
KV203.00



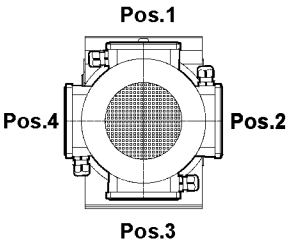




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

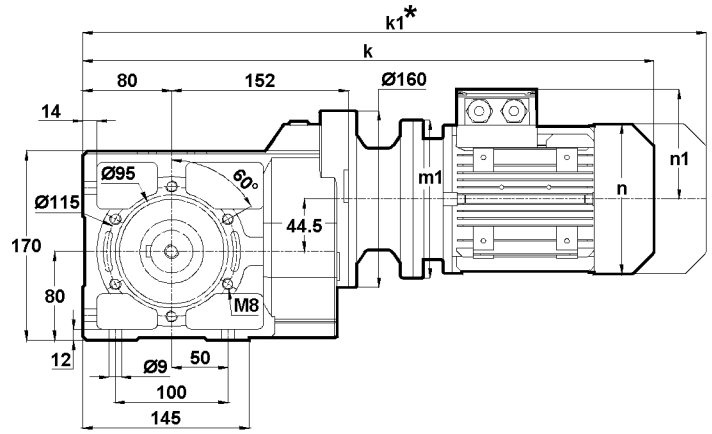
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

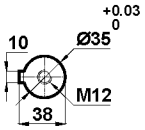
Terminal Box Positions
Klemmkasten Positionen

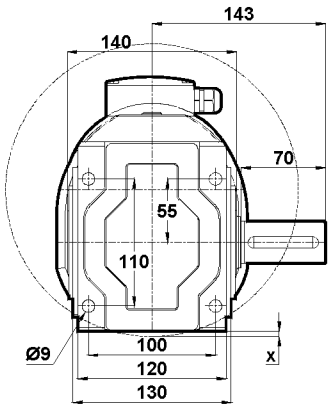


63-71-80-90-100-112
Type / Typ

KV202.01
KV203.01







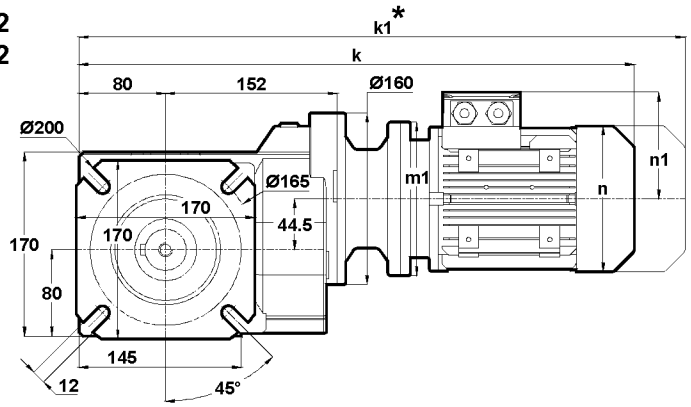
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

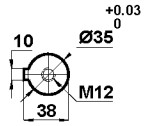
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

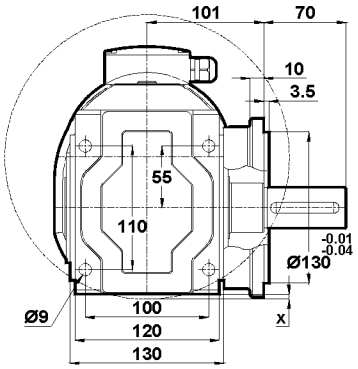
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV202.02
KV203.02

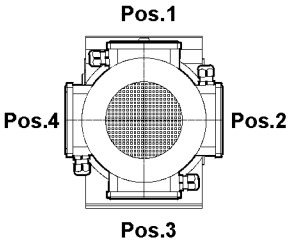






x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Terminal Box Positions
Klemmkasten Positionen

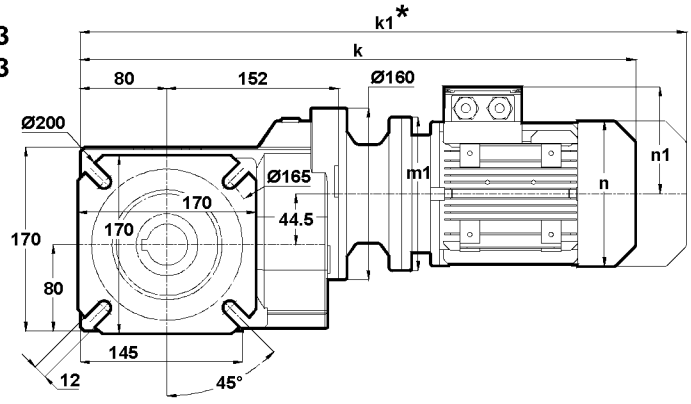


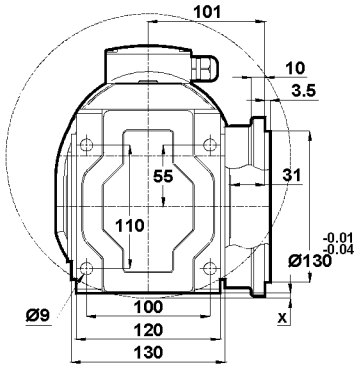
63-71-80-90-100-112
Type / Typ

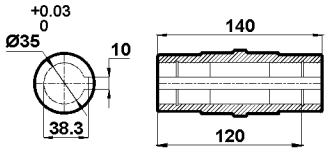
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV202.03
KV203.03







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

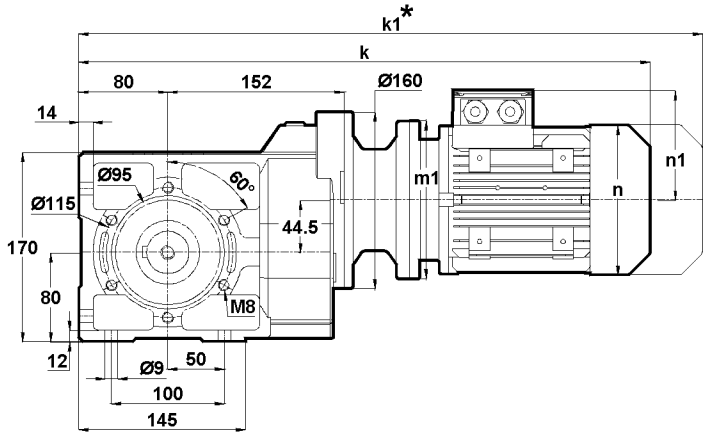
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

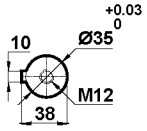
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

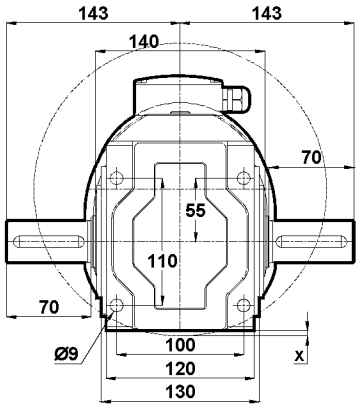
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV202.04
KV203.04



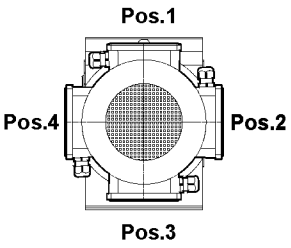




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

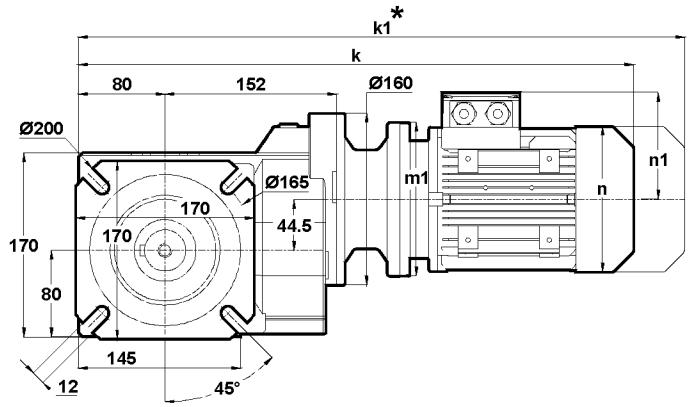
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

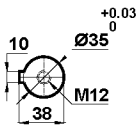
Terminal Box Positions
Klemmkasten Positionen

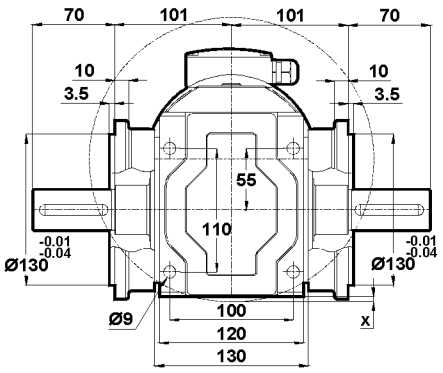


63-71-80-90-100-112
Type / Typ

KV202.05
KV203.05







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

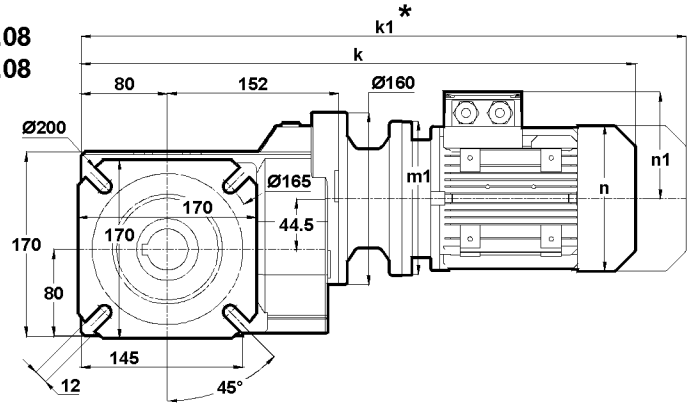
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

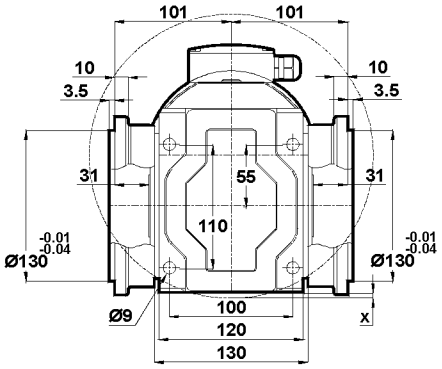
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

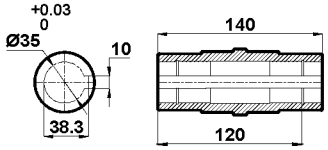
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV202.08
KV203.08



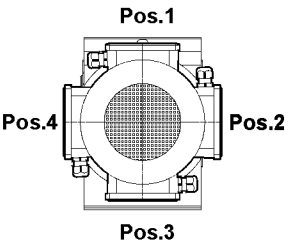




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	498.5	487.5	539.5	580.5	580.5	609	629.5
k1	559.5	578.5	632.5	684	684	717.5	734
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	0,5	0,5

Terminal Box Positions
Klemmkasten Positionen



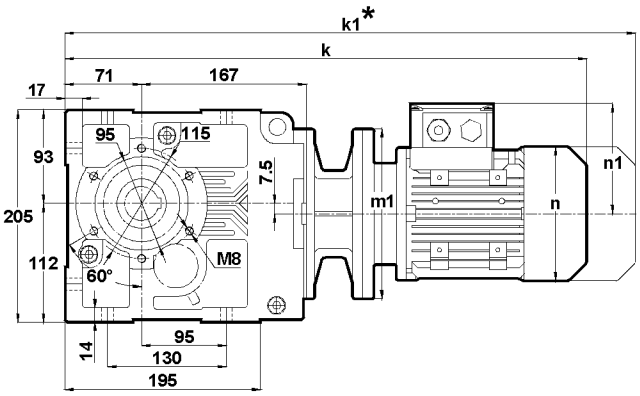
63-71-80-90-100-112
Type / Typ

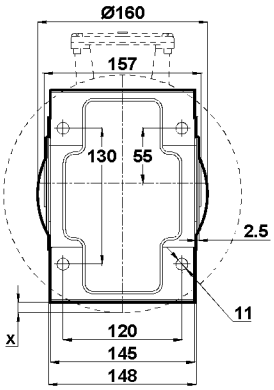
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

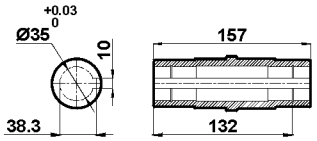
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV273.00

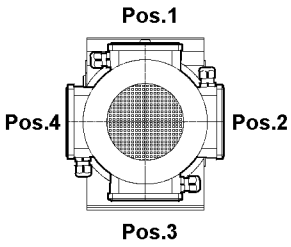




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



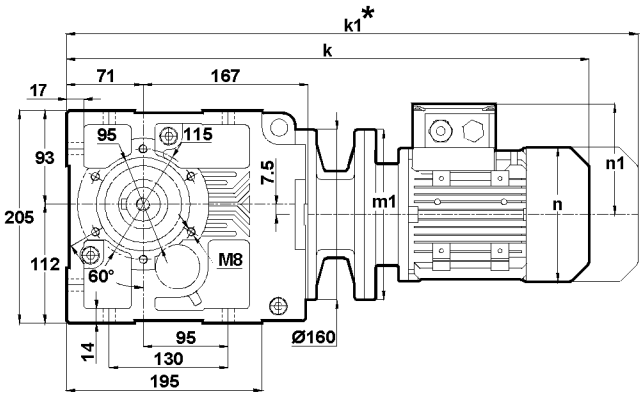
Terminal Box Positions
Klemmkasten Positionen

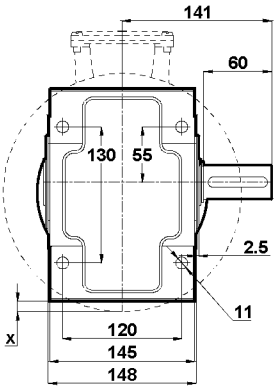


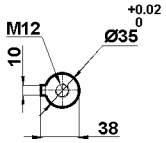
63-71-80-90-100-112
Type / Typ

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

KV273.01







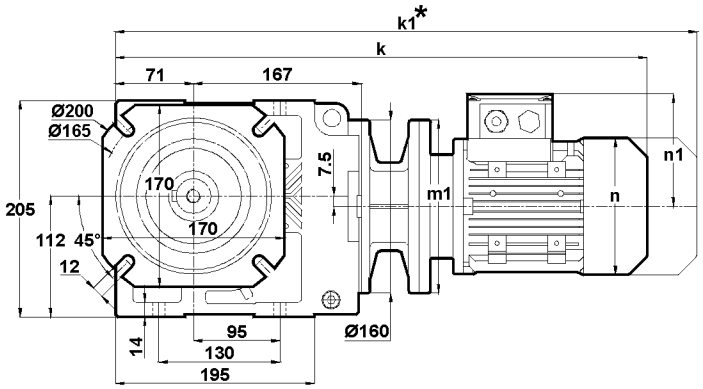
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

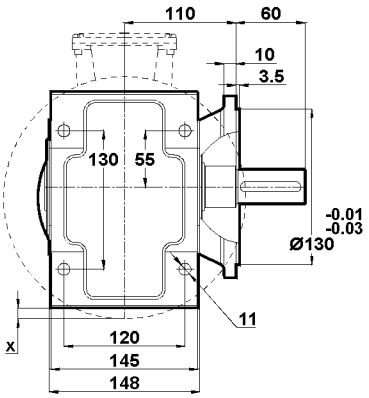
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

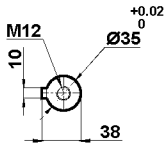
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV273.02

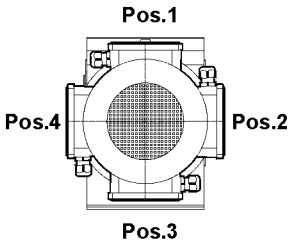




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



Terminal Box Positions
Klemmkasten Positionen

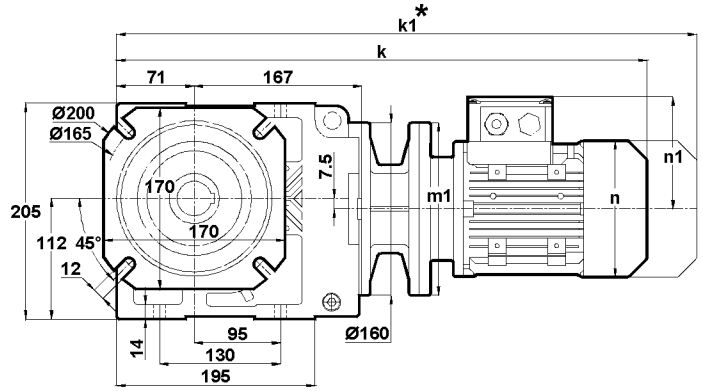


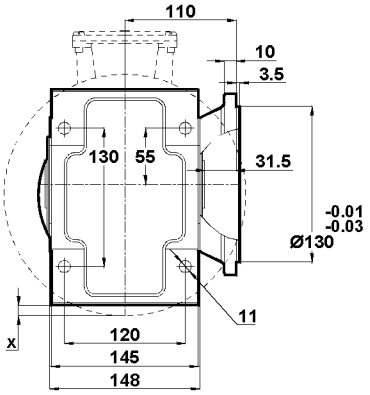
63-71-80-90-100-112
Type / Typ

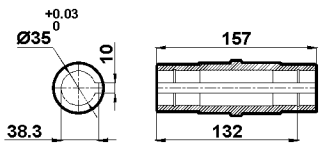
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV273.03







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

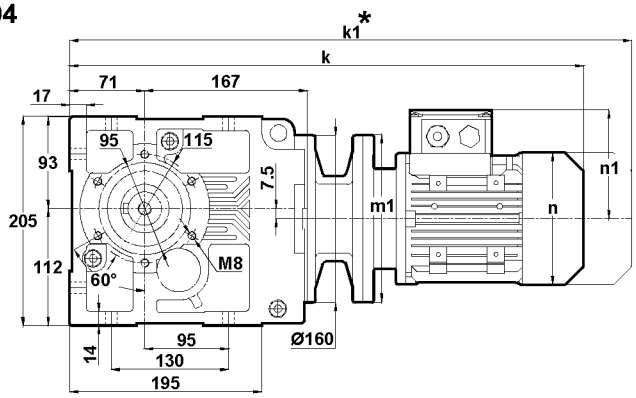
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

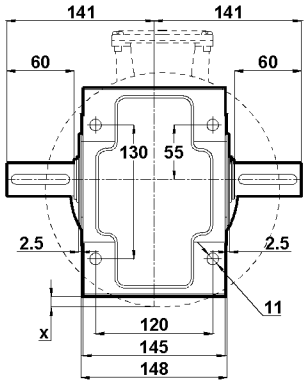
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

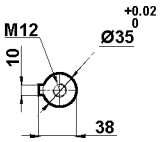
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV273.04

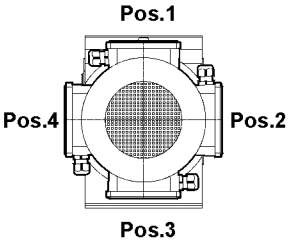




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



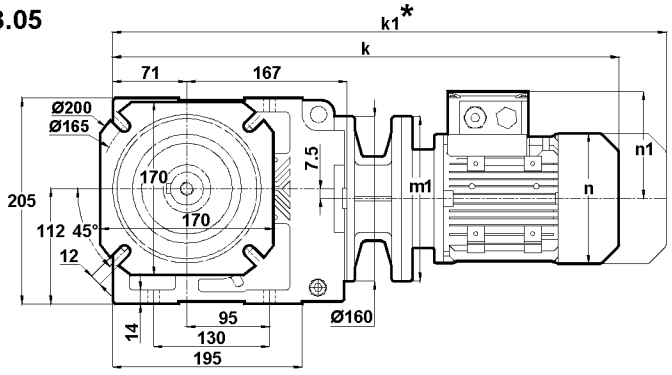
Terminal Box Positions
Klemmkasten Positionen

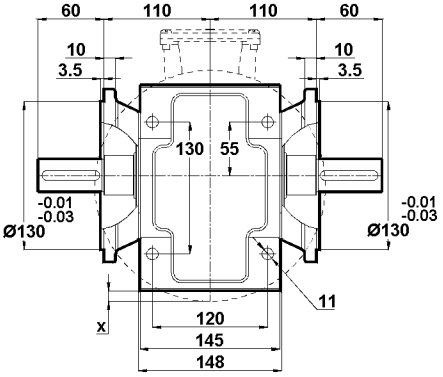


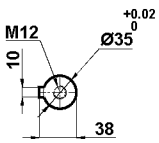
63-71-80-90-100-112
Type / Typ

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

KV273.05







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

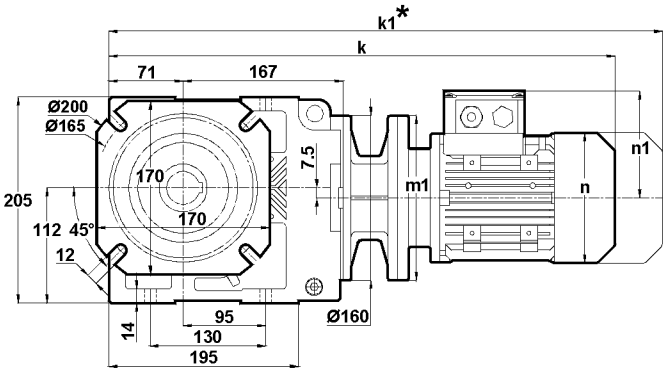
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

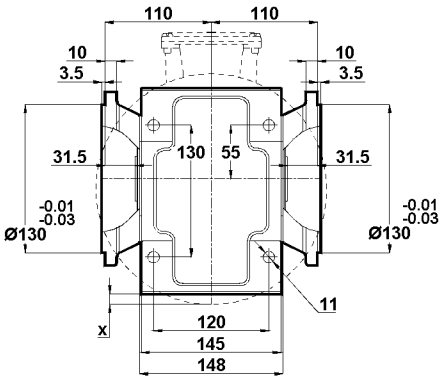
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

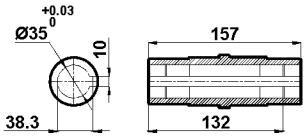
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV273.08



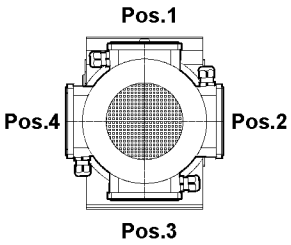




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	504.5	493.5	545.5	586.5	586.5	615	635.5
k1	565.5	584.5	638.5	690	690	723.5	740
n / n1	121 / 97	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	20,5	20,5

Terminal Box Positions
Klemmkasten Positionen



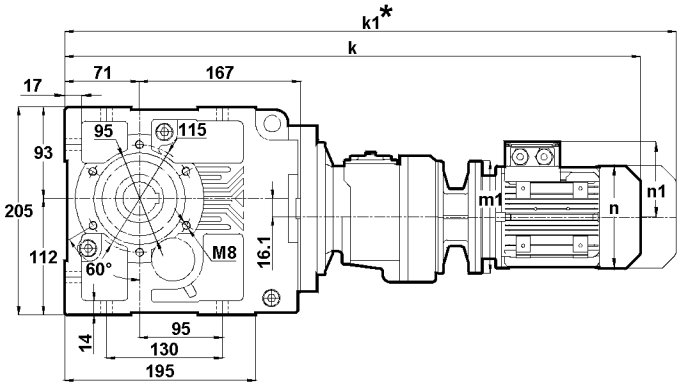
63-71-80-90-100-112
Type / Typ

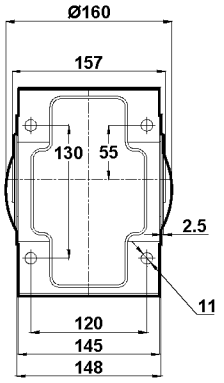
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

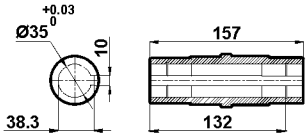
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV275.00
KV276.00

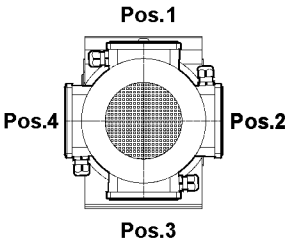






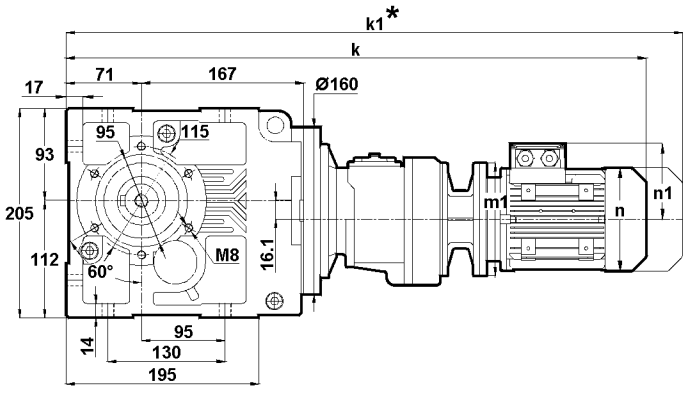
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

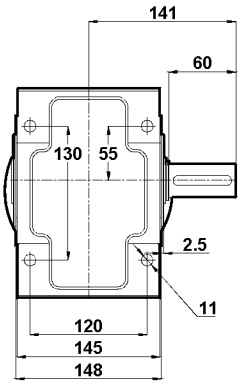
Terminal Box Positions
Klemmkasten Positionen

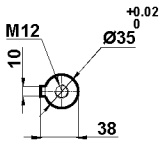


63-71-80
Type / Typ

KV275.01
KV276.01





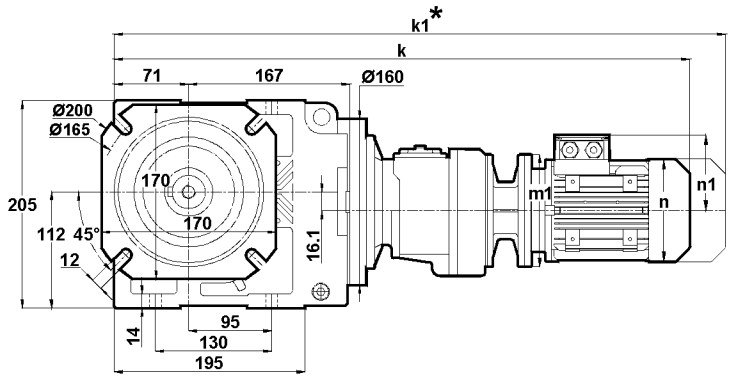


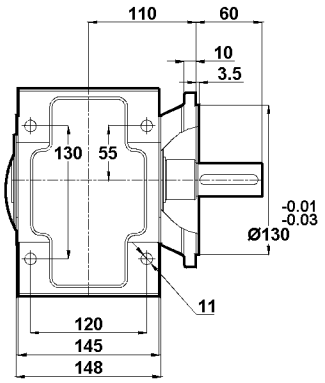
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

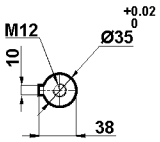
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

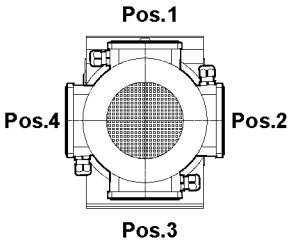
KV275.02
KV276.02







Terminal Box Positions
Klemmkasten Positionen

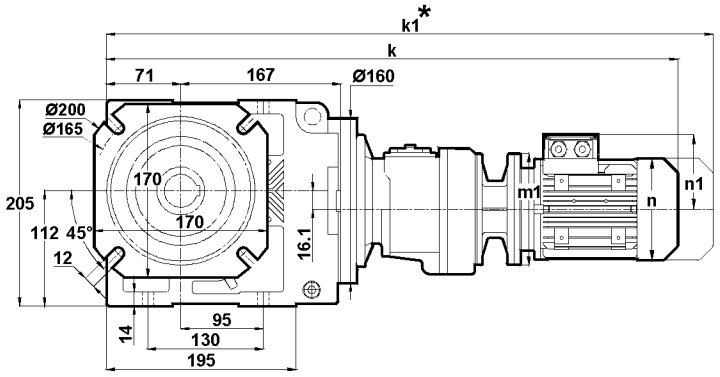


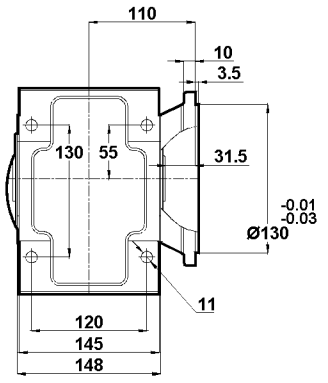
63-71-80
Type / Typ

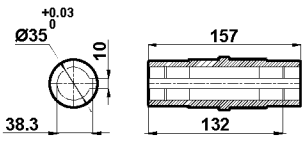
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV275.03
KV276.03







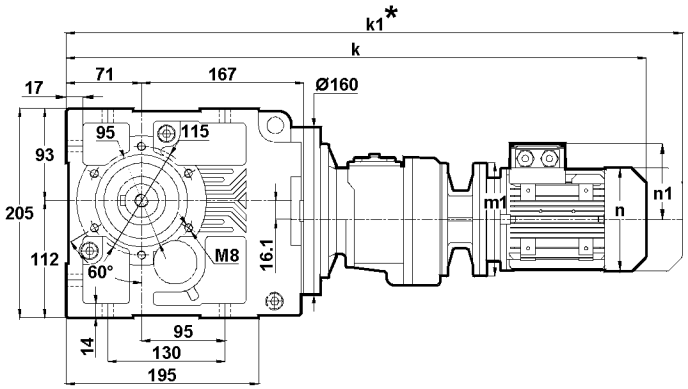
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

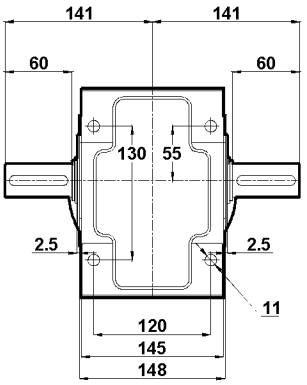
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

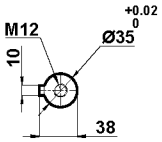
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV275.04
KV276.04

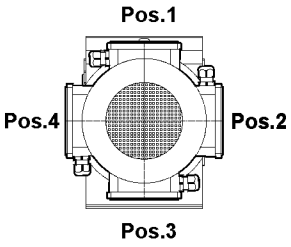






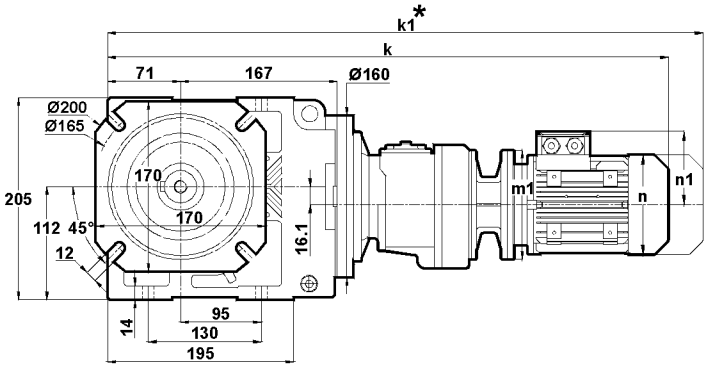
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

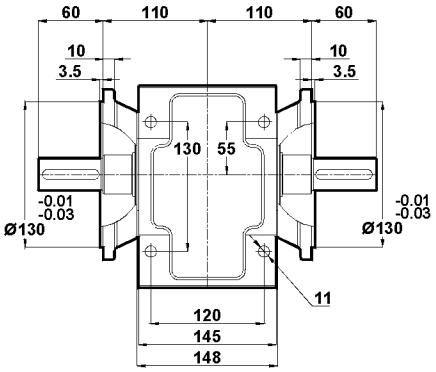
Terminal Box Positions
Klemmkasten Positionen

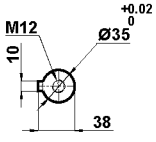


63-71-80
Type / Typ

KV275.05
KV276.05







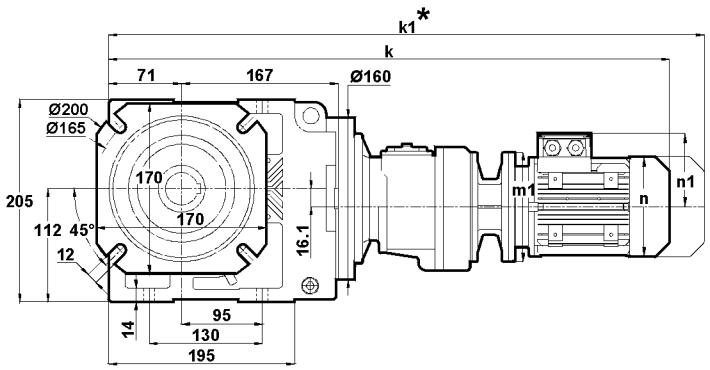
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

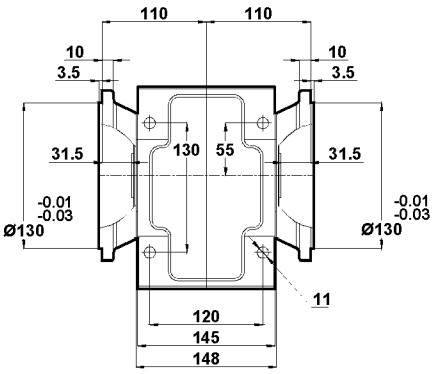
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

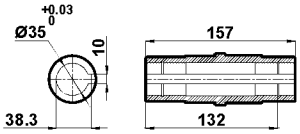
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV275.08
KV276.08

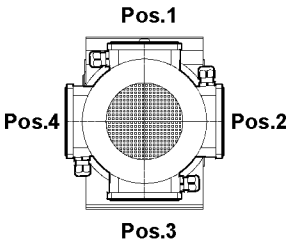






	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	639.5	677.5
k1	681	730.5	770.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	90	105	120

Terminal Box Positions
Klemmkasten Positionen



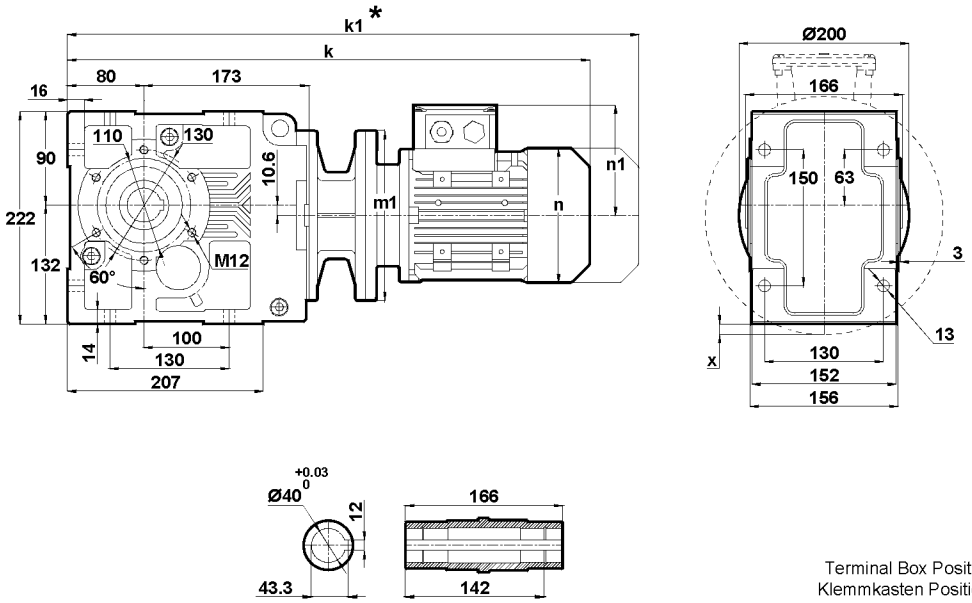
63-71-80
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

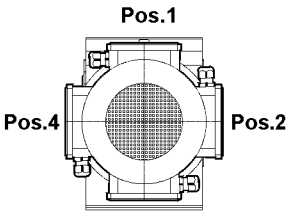
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV283.00



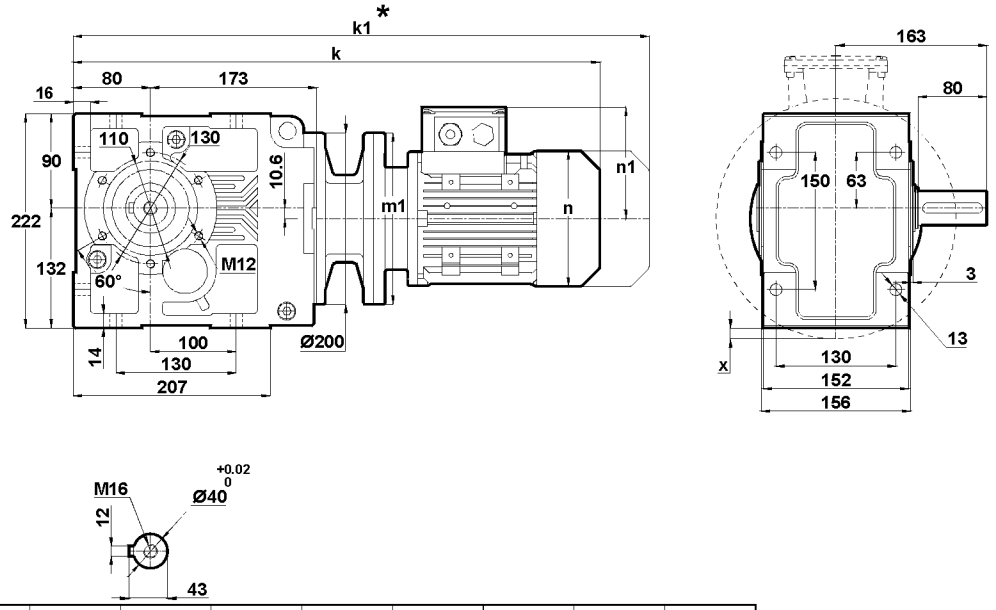
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112-132
Type / Typ

KV283.01

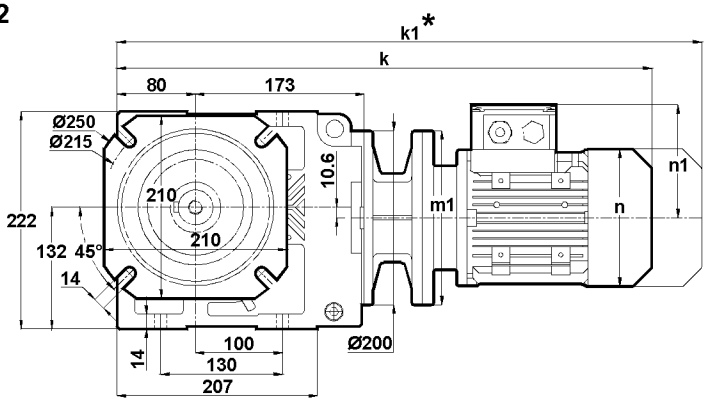


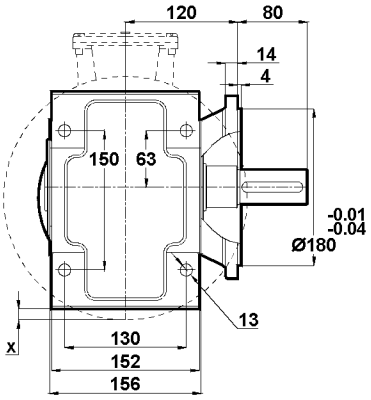
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

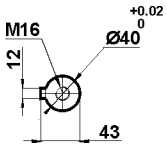
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

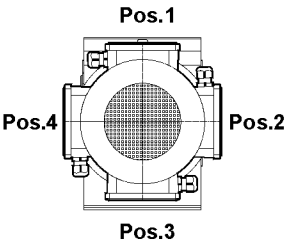
KV283.02







Terminal Box Positions
Klemmkasten Positionen

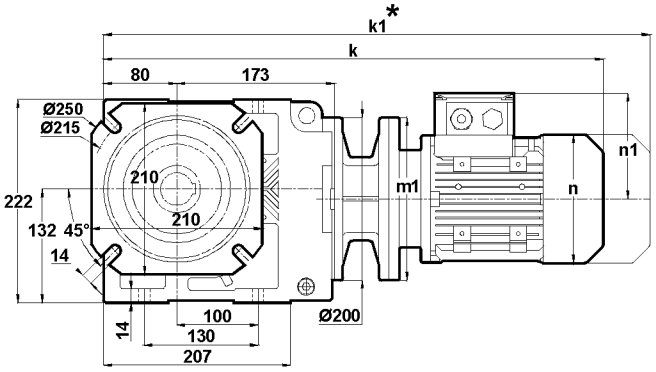


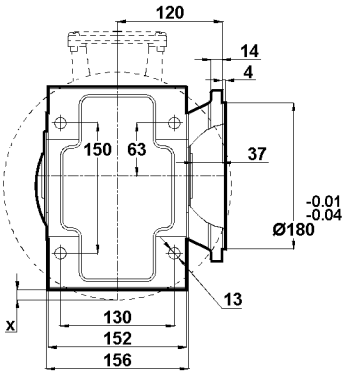
71-80-90-100-112-132
Type / Typ

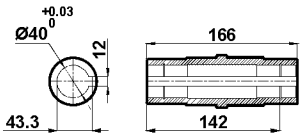
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV283.03







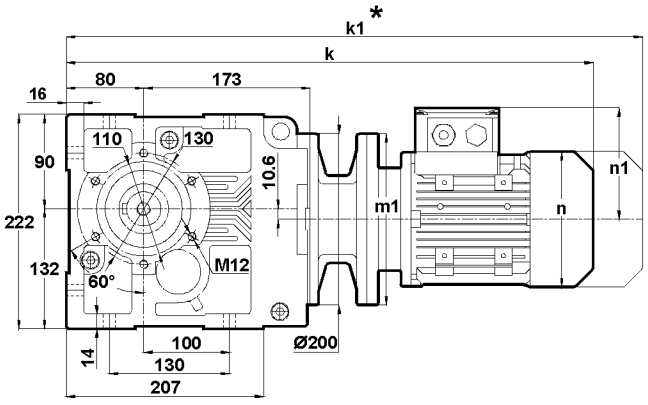
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

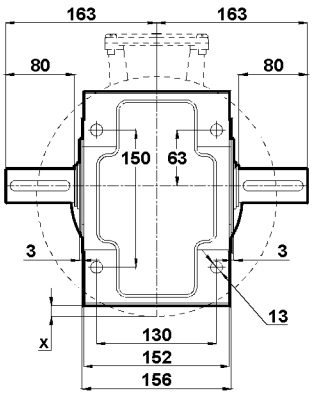
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

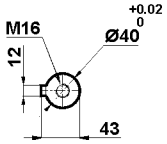
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV283.04

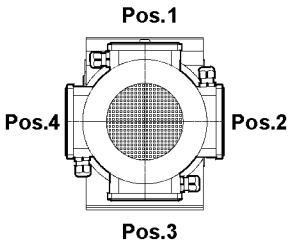






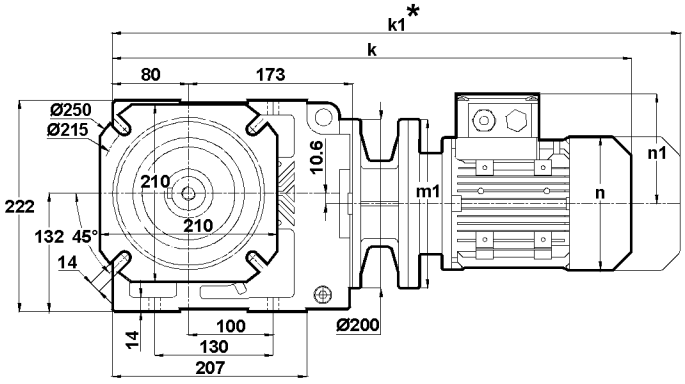
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

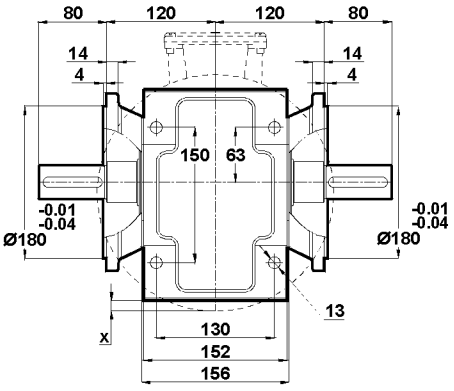
Terminal Box Positions
Klemmkasten Positionen



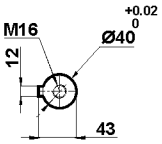
71-80-90-100-112-132
Type / Typ

KV283.05





Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

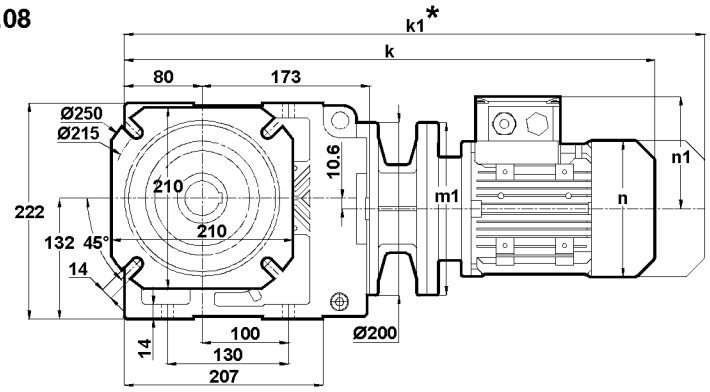


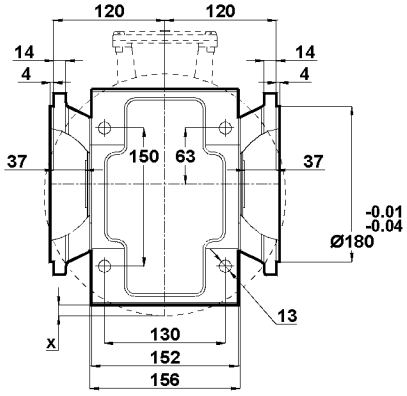
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

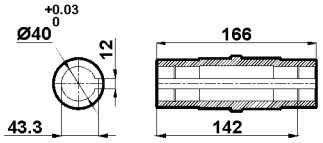
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV283.08

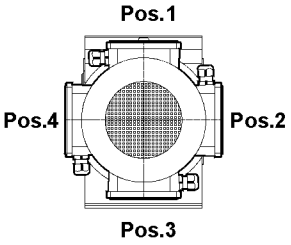






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	530.5	553.5	594.5	594.5	647	667.5	771.5	771.5
k1	621.5	646.5	698	698	755.5	772	901.5	901.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	3.6	3.6	28.6	28.6

Terminal Box Positions
Klemmkasten Positionen



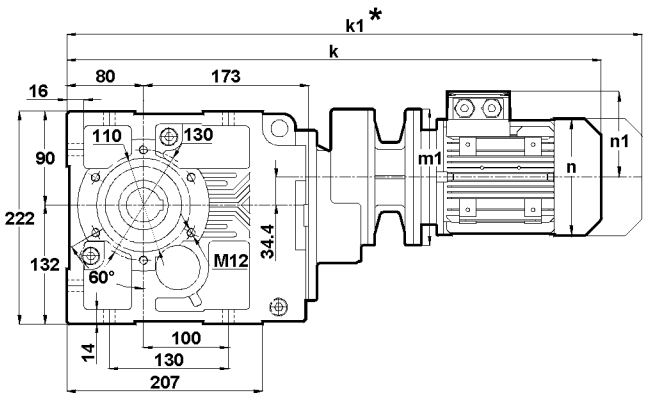
71-80-90-100-112-132
Type / Typ

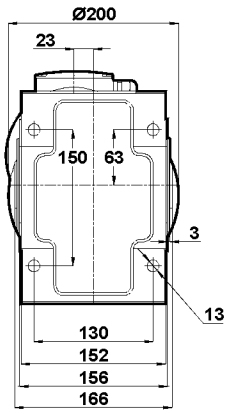
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

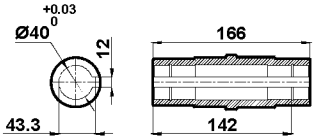
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV284.00

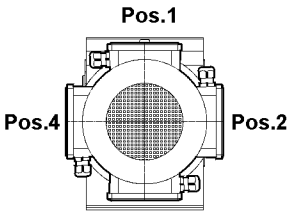






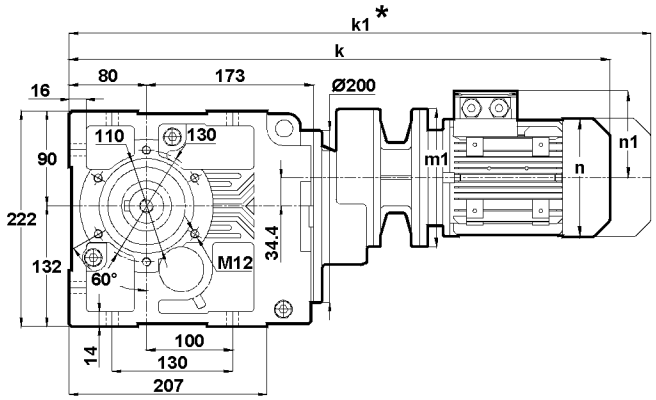
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

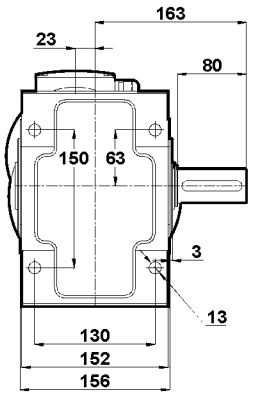
Terminal Box Positions
Klemmkasten Positionen

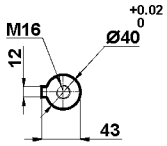


71-80-90-100-112
Type / Typ

KV284.01





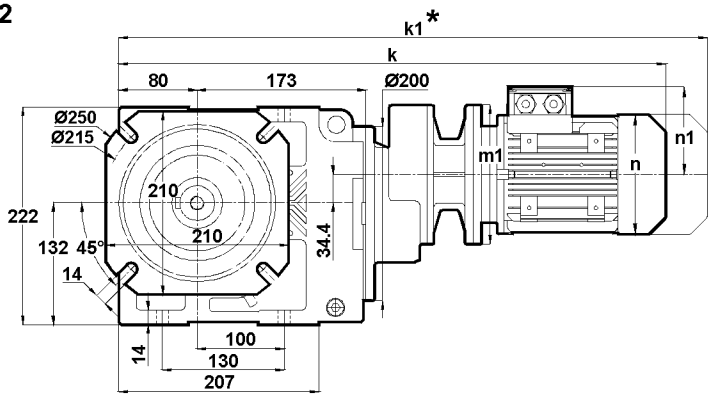


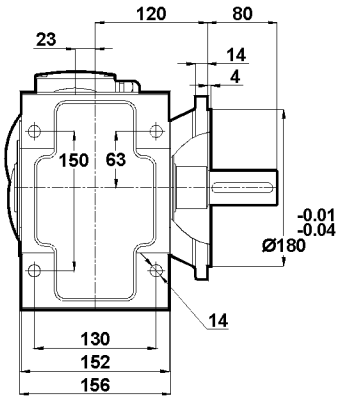
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

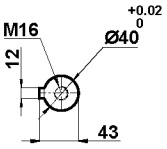
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

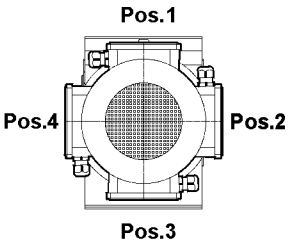
KV284.02







Terminal Box Positions
Klemmkasten Positionen

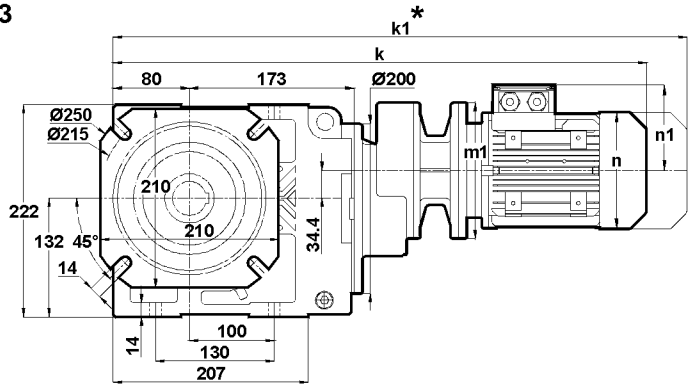


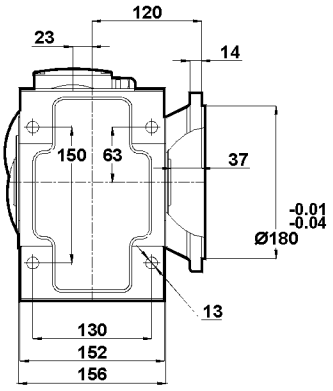
71-80-90-100-112
Type / Typ

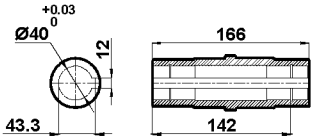
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV284.03







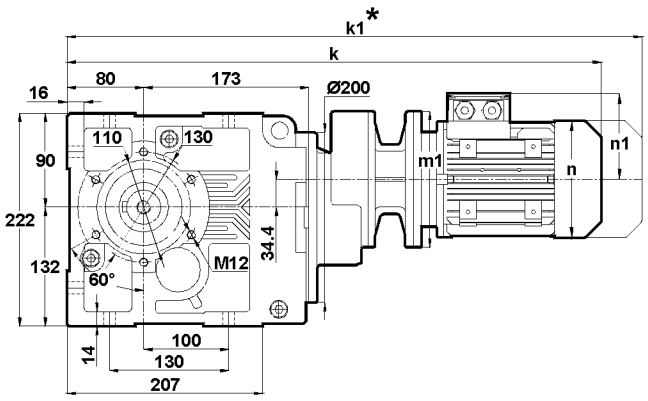
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

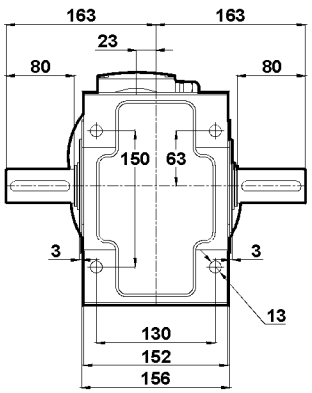
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

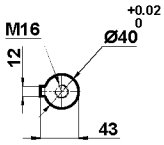
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV284.04

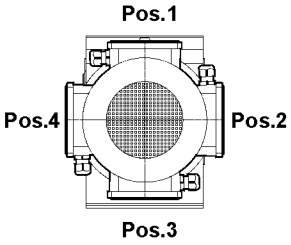






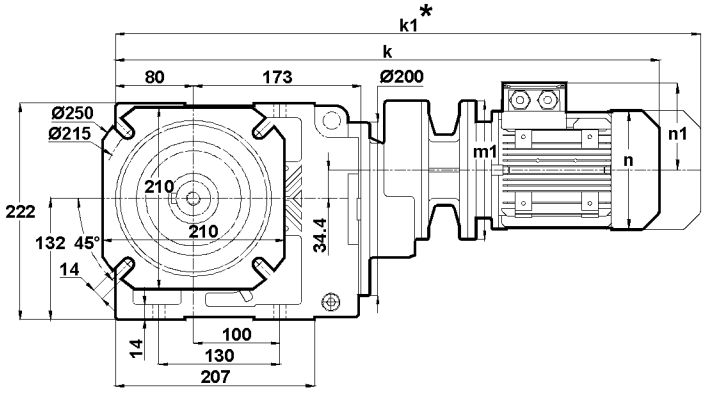
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

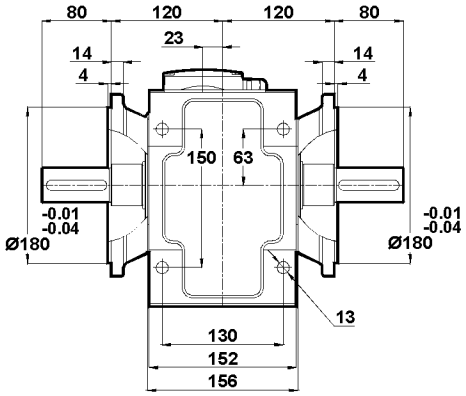
Terminal Box Positions
Klemmkasten Positionen

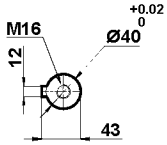


63-71-80
Type / Typ

KV284.05







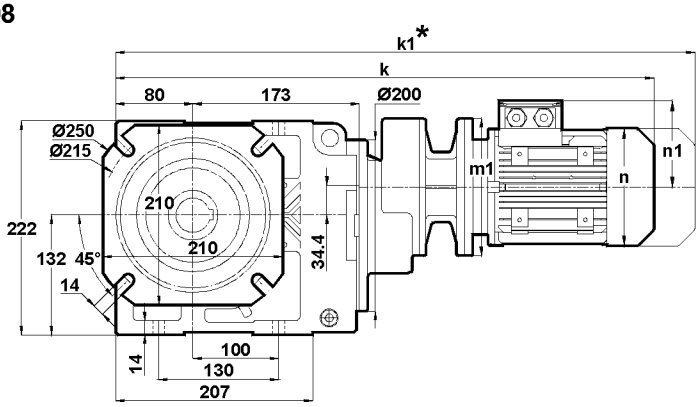
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

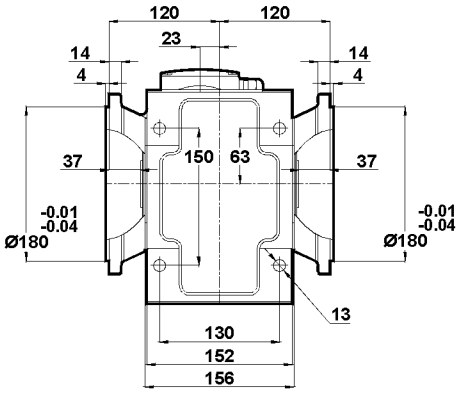
	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

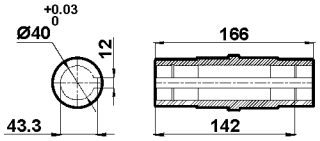
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV284.08

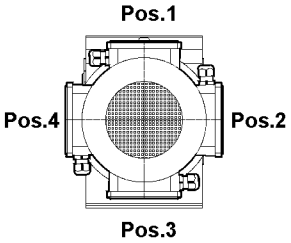






	63/B5	71/B5 71/B14	80/B5 80/B14
k	589.5	578.5	630.5
k1	650.5	669.5	723.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Terminal Box Positions
Klemmkasten Positionen



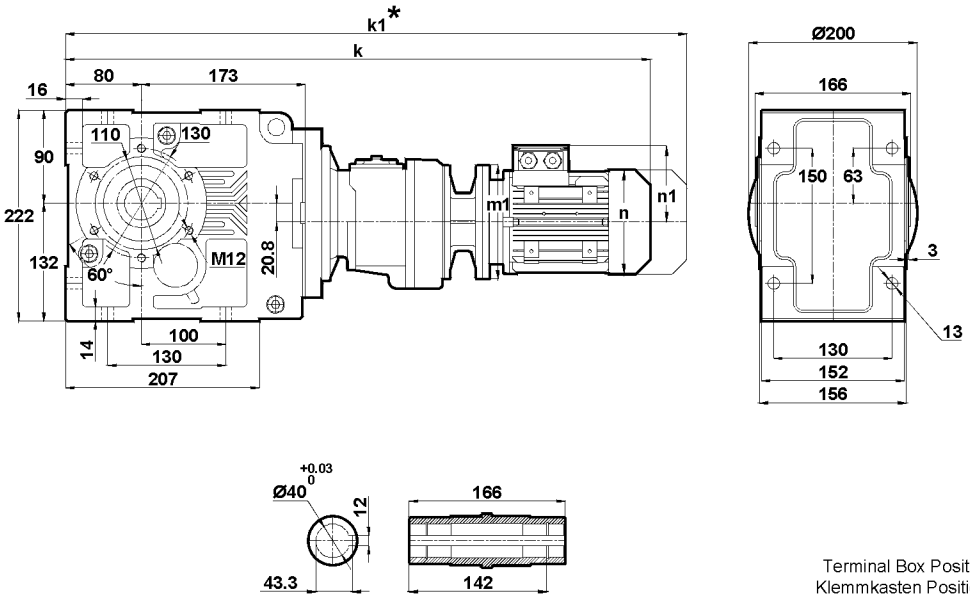
63-71-80
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

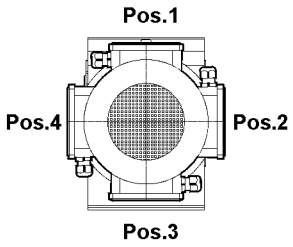
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV285.00
KV286.00



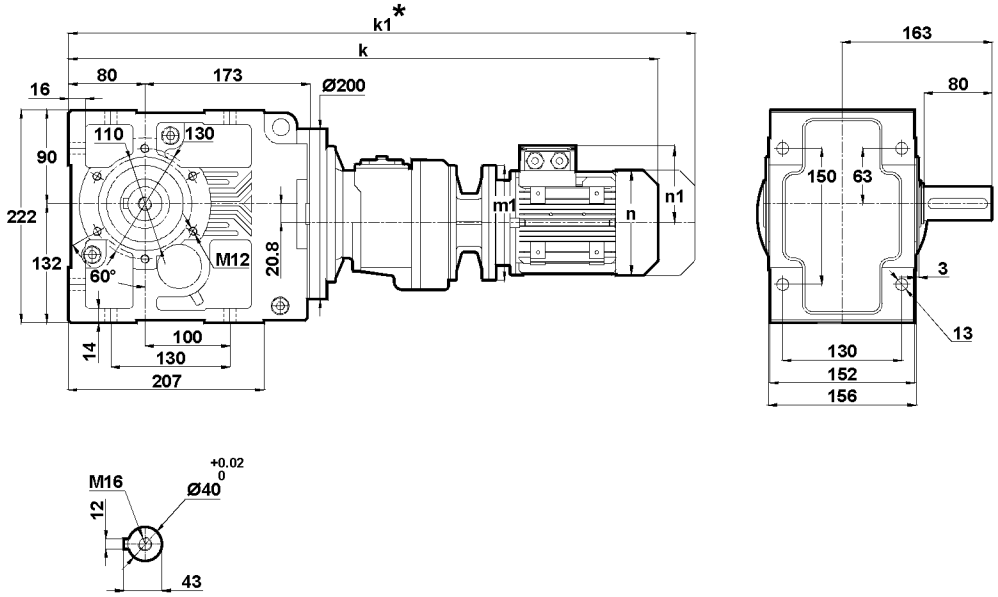
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

Terminal Box Positions
Klemmkasten Positionen



63
Type / Typ

KV285.01
KV286.01

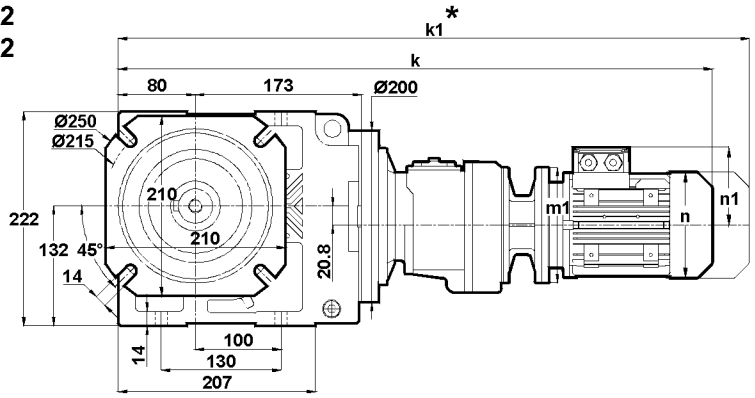


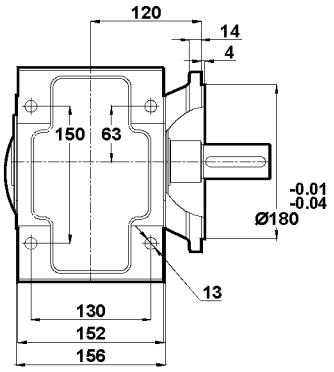
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

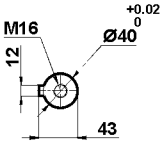
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

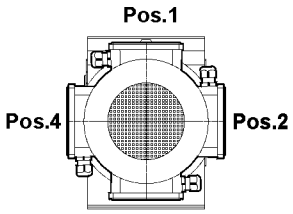
KV285.02
KV286.02







Terminal Box Positions
Klemmkasten Positionen

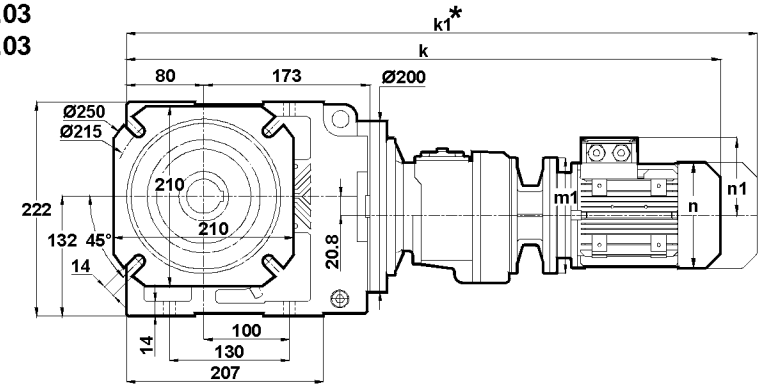


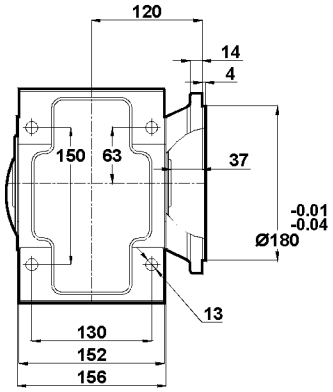
63
Type / Typ

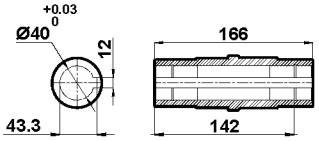
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV285.03
KV286.03







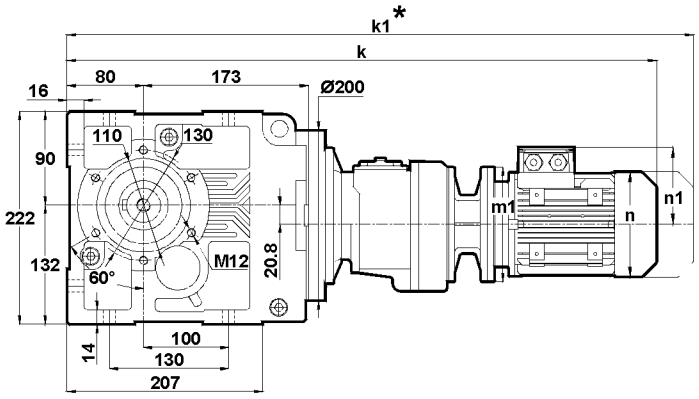
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

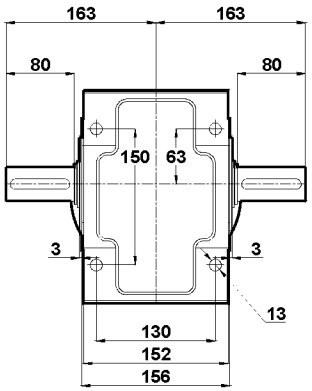
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

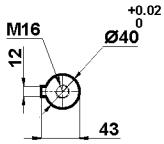
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV285.04
KV286.04

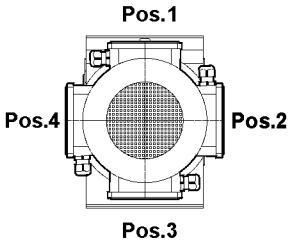






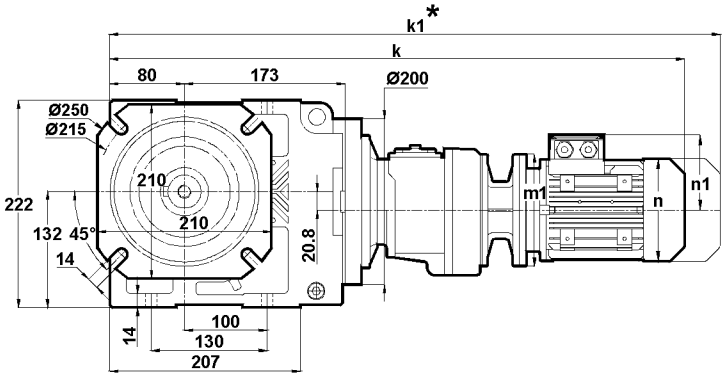
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

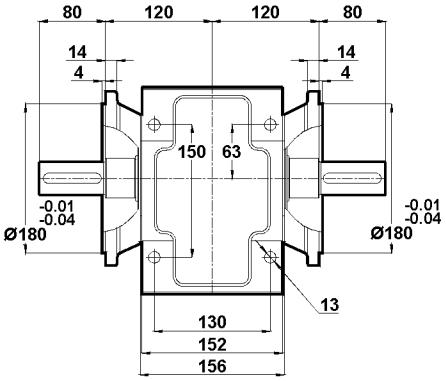
Terminal Box Positions
Klemmkasten Positionen

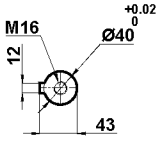


63
Type / Typ

KV285.05
KV286.05







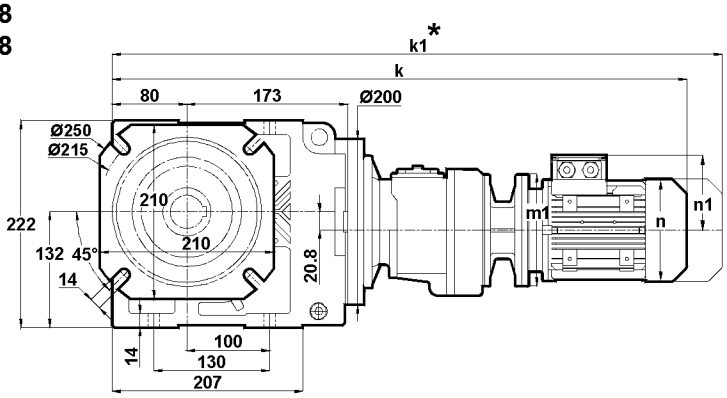
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

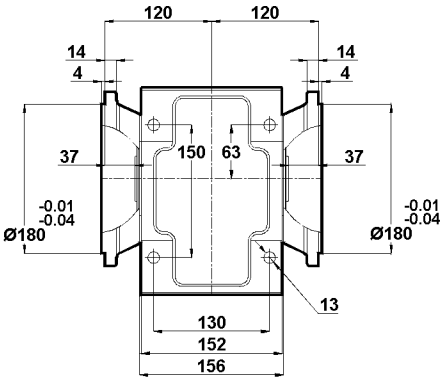
	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

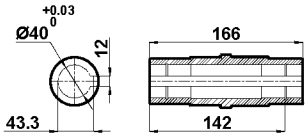
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV285.08
KV286.08

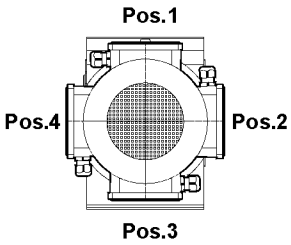






	63/B5
k	742
k1	803
n / n1	121 / 97
m1 (B5)	140
m1 (B14)	-

Terminal Box Positions
Klemmkasten Positionen



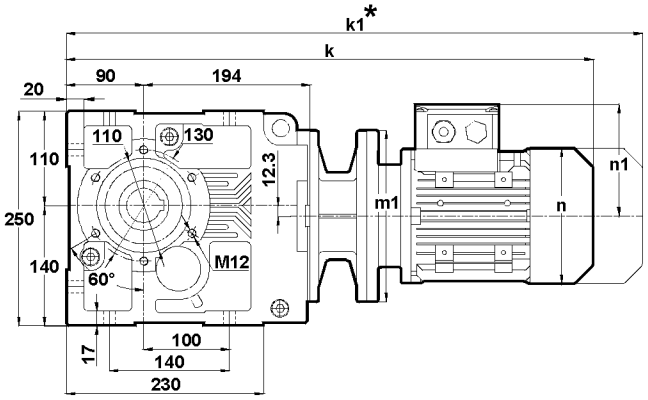
63
Type / Typ

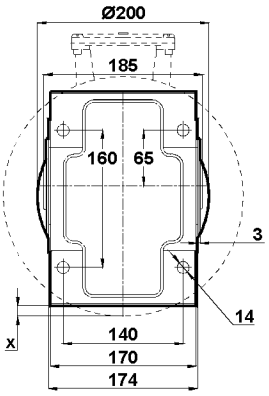
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

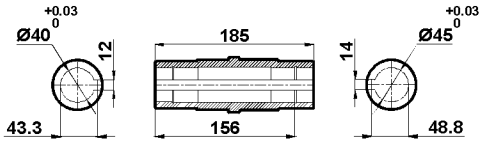
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV373.00



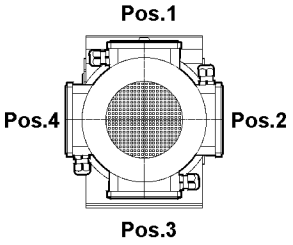


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



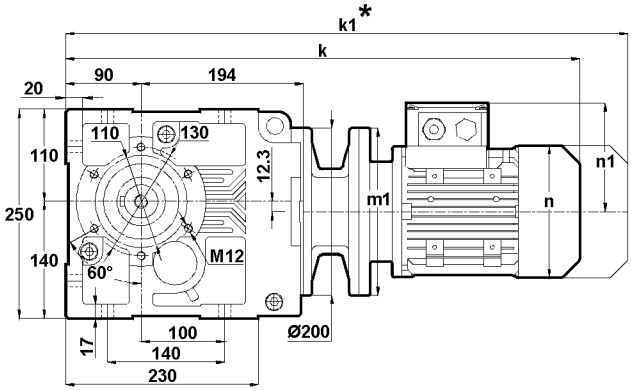
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

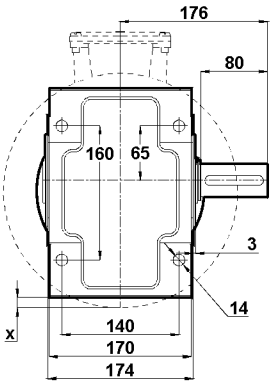
Terminal Box Positions
Klemmkasten Positionen

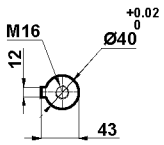


71-80-90-100-112-132
Type / Typ

KV373.01







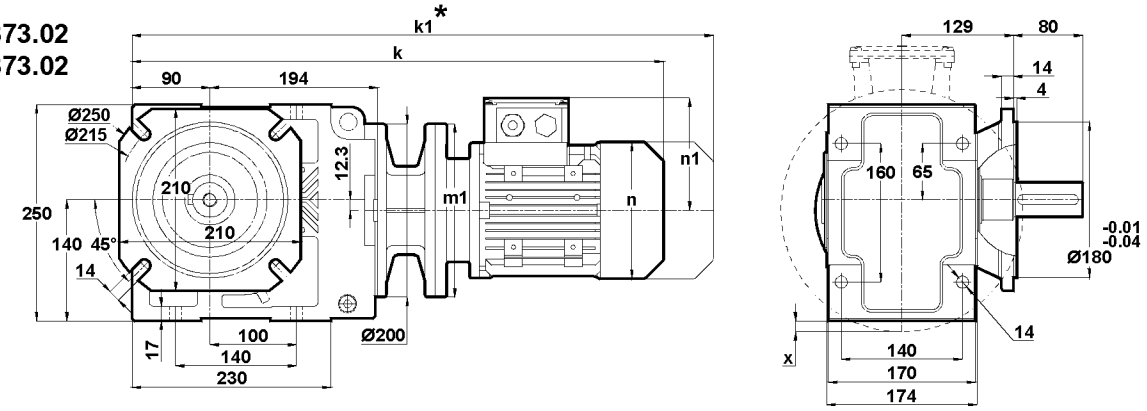
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

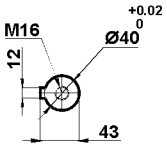
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

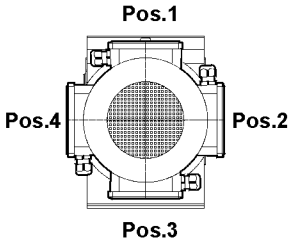
KV373.02
KV373.02





x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

Terminal Box Positions
Klemmkasten Positionen

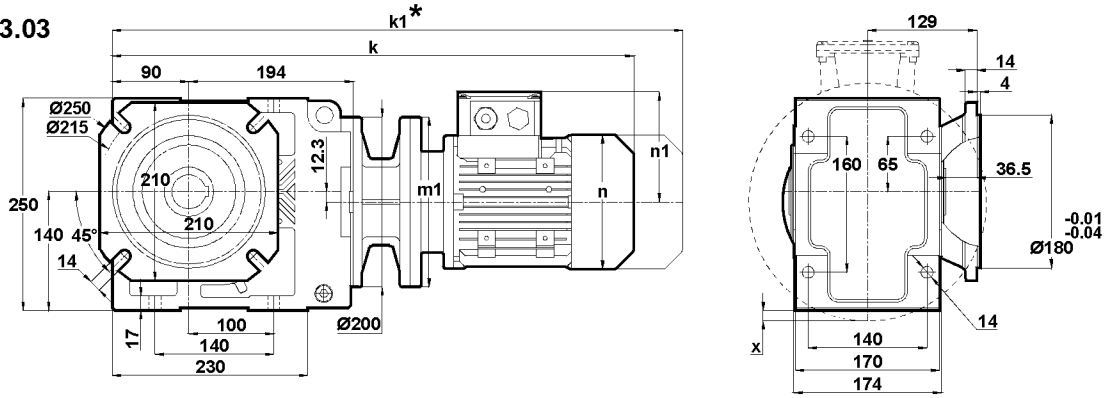


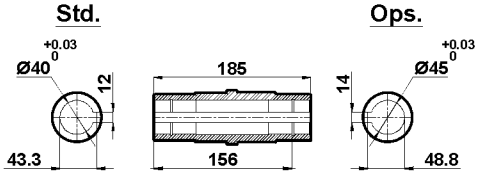
71-80-90-100-112-132

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV373.03





x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

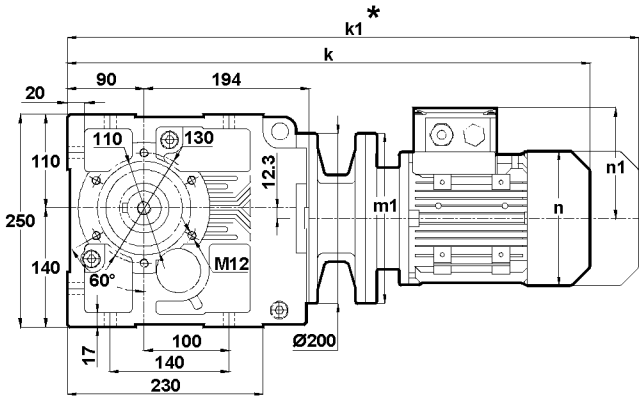
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

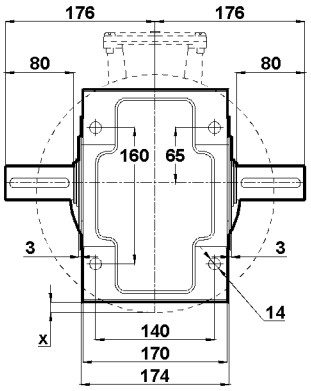
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

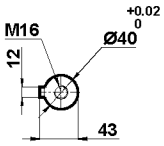
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV373.04
KV373.04

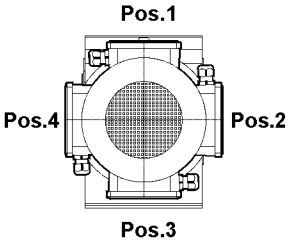




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



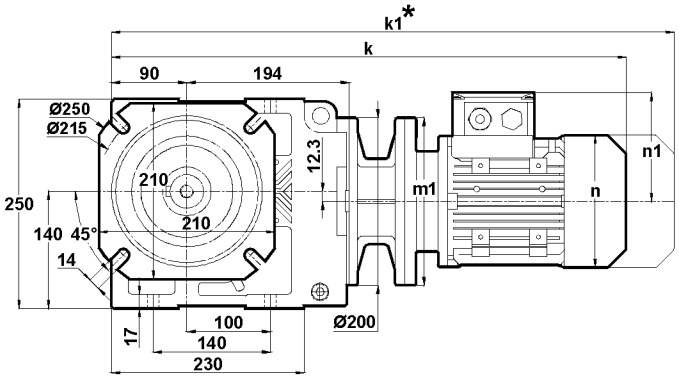
Terminal Box Positions
Klemmkasten Positionen

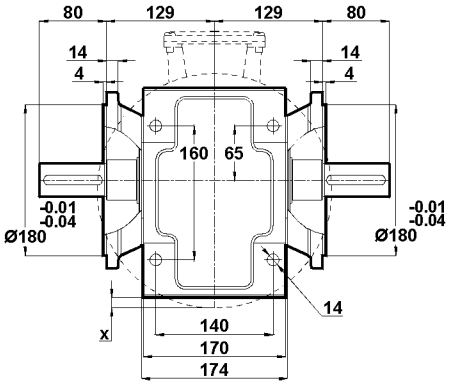


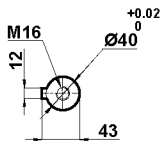
71-80-90-100-112-132
Type / Typ

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

KV373.05
KV373.05







x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

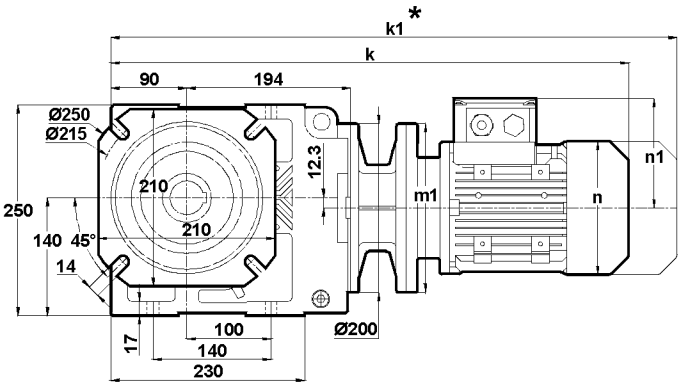
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

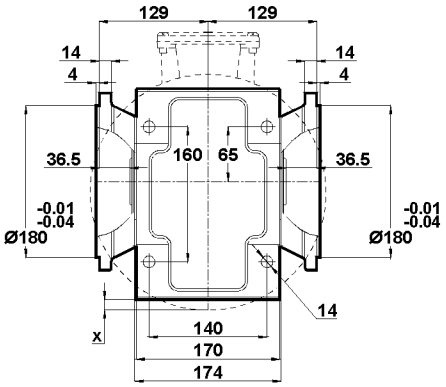
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

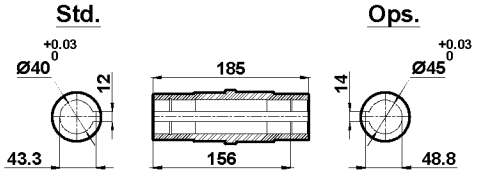
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV373.08
KV373.08



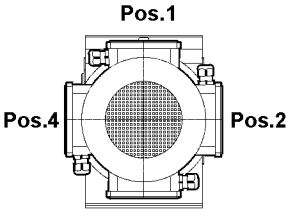


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	561.5	584.5	625.5	625.5	678	698.5	802.5	802.5
k1	652.5	677.5	729	729	786.5	803	932.5	932.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	22,3	22,3

Terminal Box Positions
Klemmkasten Positionen



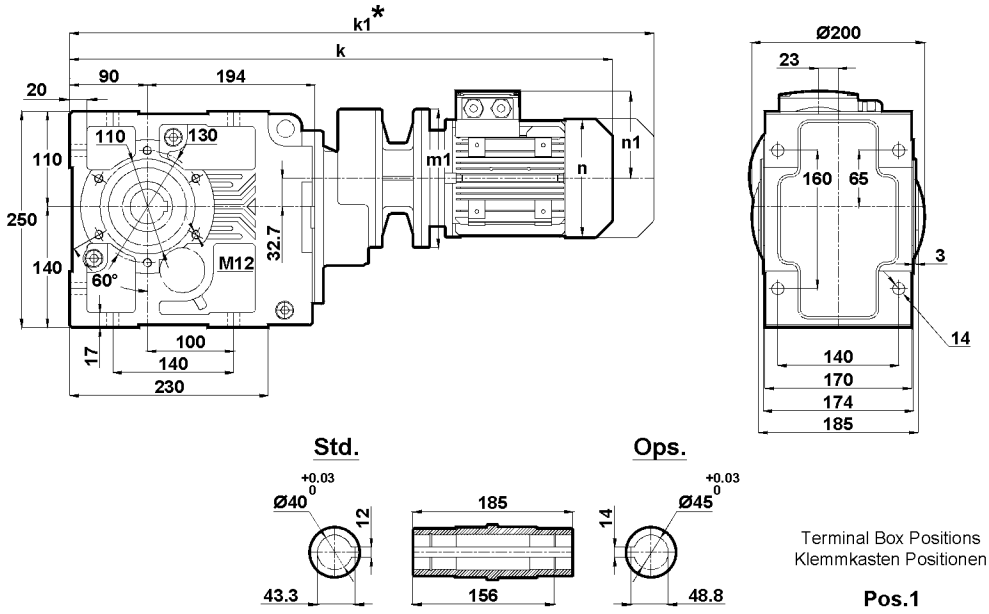
71-80-90-100-112-132
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

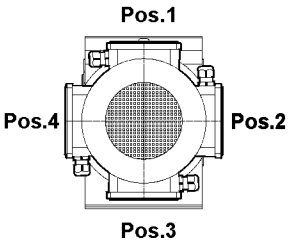
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV374.00



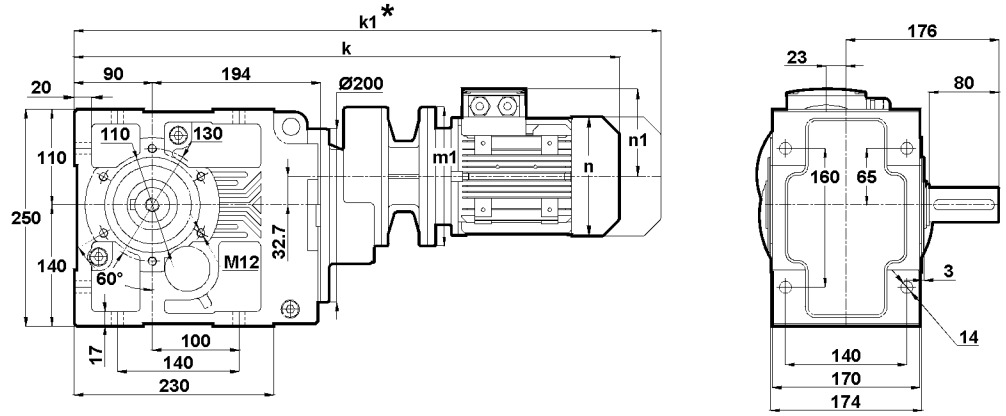
	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

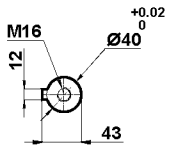
Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

KV374.01



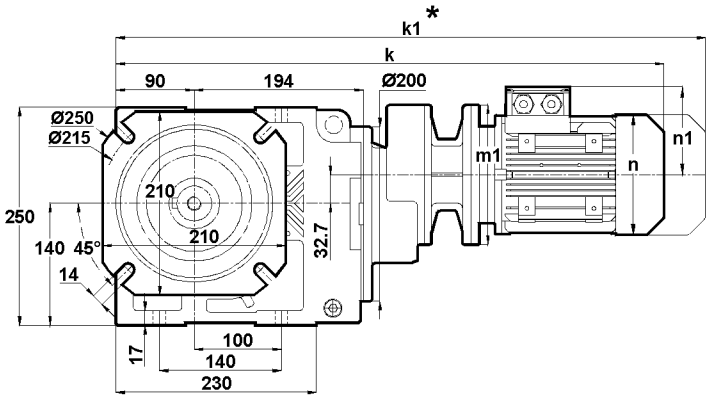


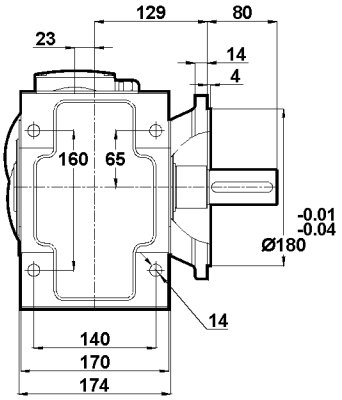
	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

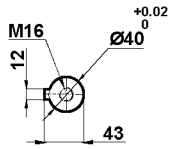
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV374.02

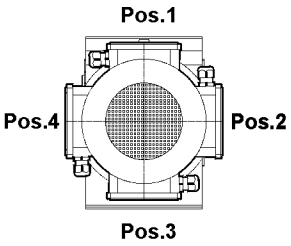






	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

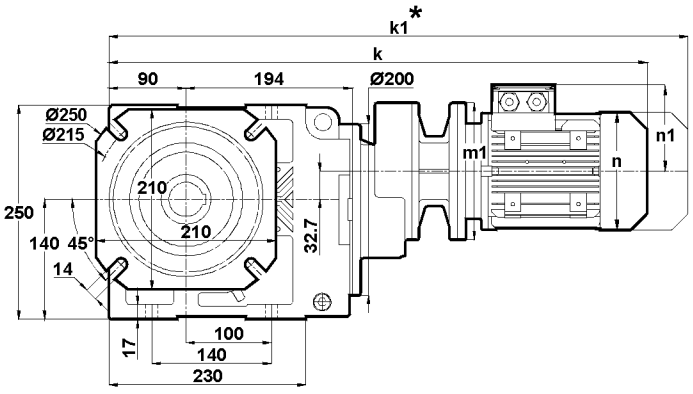
Terminal Box Positions
Klemmkasten Positionen

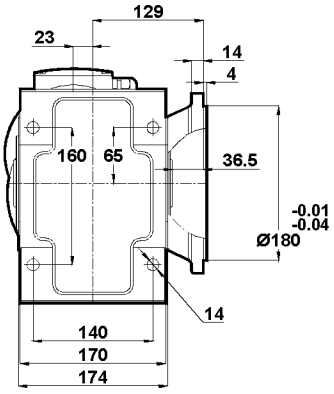


63-71-80
Type / Typ

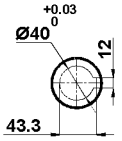
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

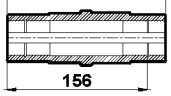
KV374.03



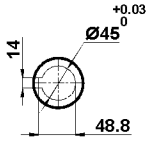


Std.





Ops.



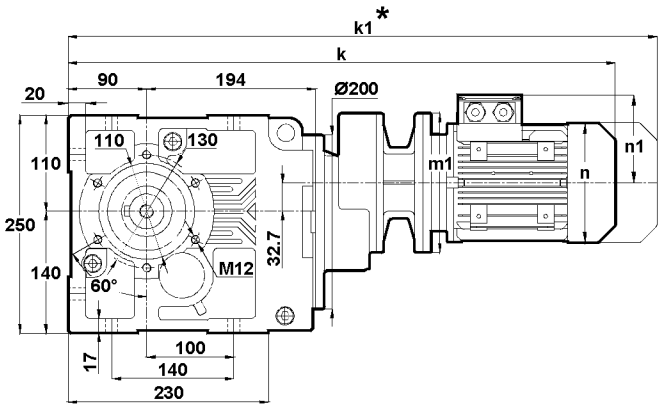
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

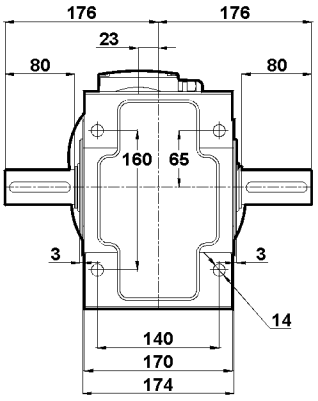
	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

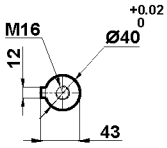
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV374.04

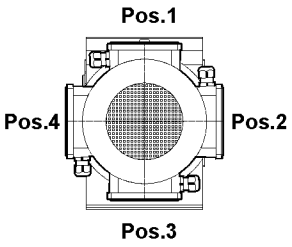






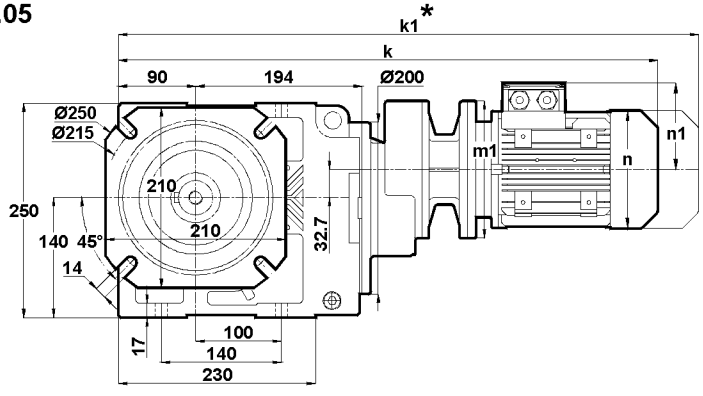
	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

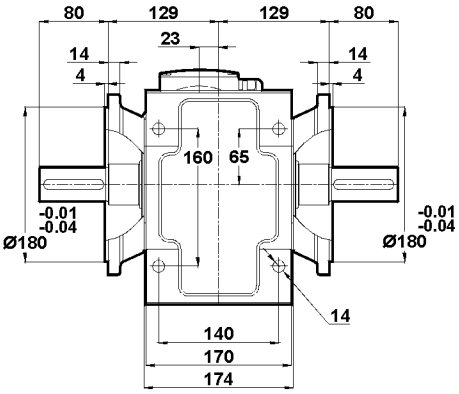
Terminal Box Positions
Klemmkasten Positionen

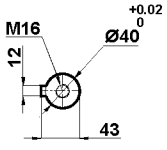


63-71-80
Type / Typ

KV374.05







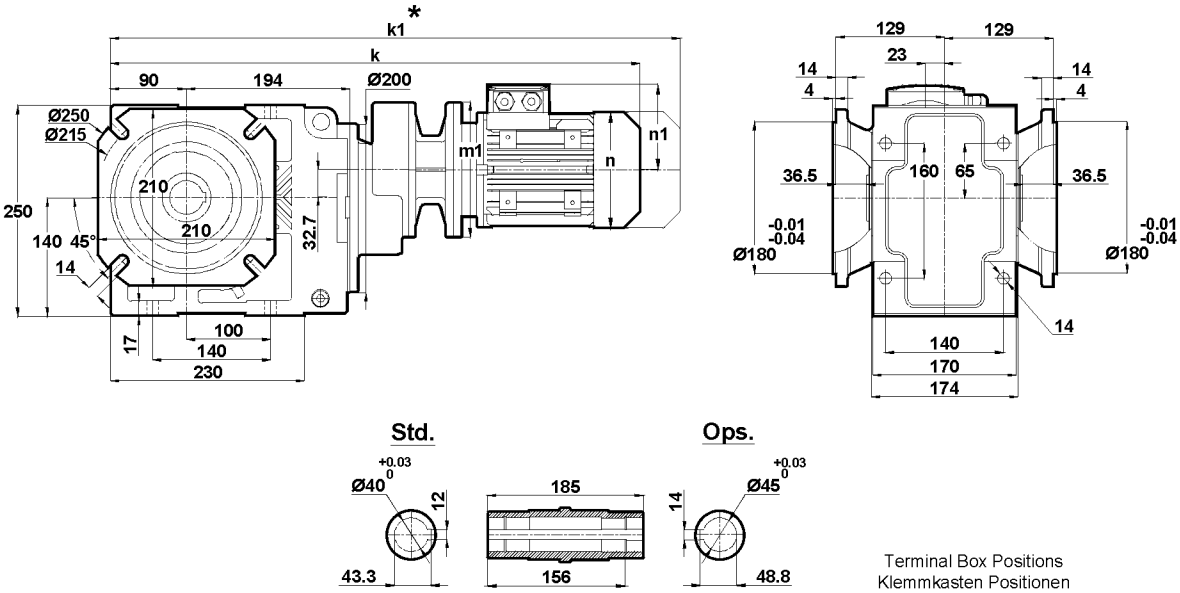
	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

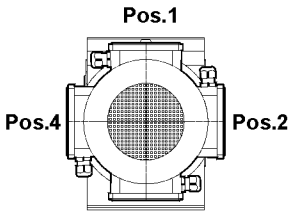
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV374.08



	63/B5	71/B5 71/B14	80/B5 80/B14
k	620.5	609.5	661.5
k1	681.5	700.5	754.5
n / n1	121 / 97	137 / 121	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Terminal Box Positions
Klemmkasten Positionen



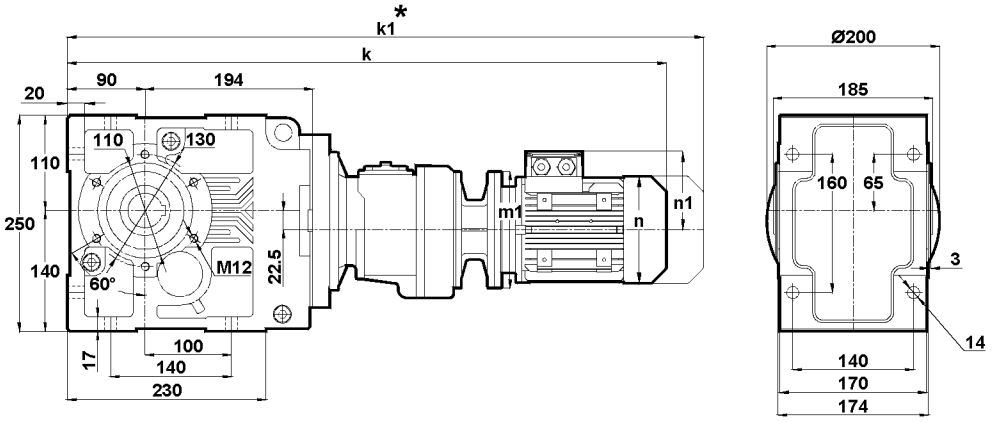
63-71-80
Type / Typ

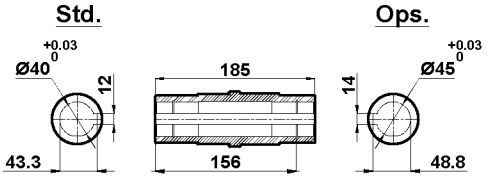
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

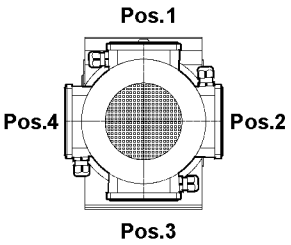
KV375.00
KV376.00





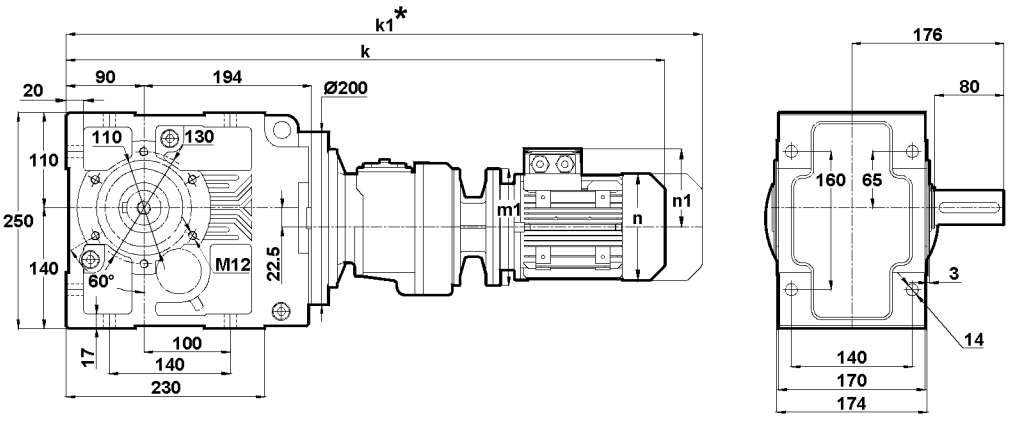
	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

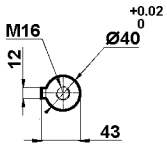
Terminal Box Positions
Klemmkasten Positionen



63-71
Type / Typ

KV375.01
KV376.01



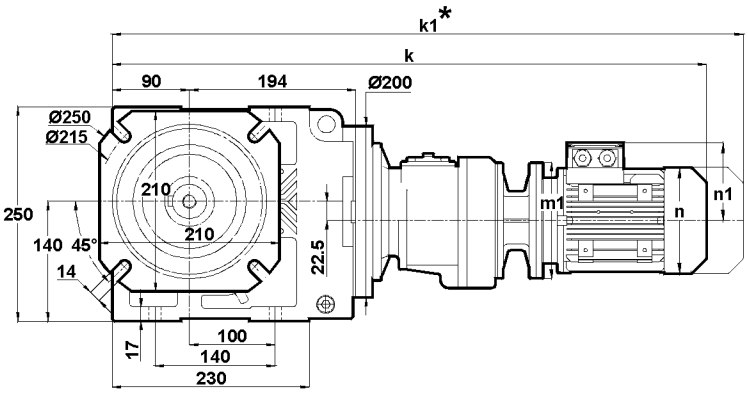


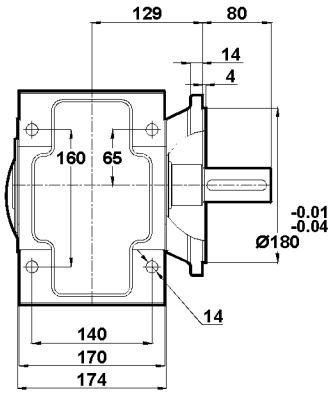
	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

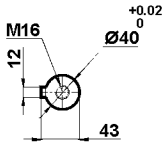
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV375.02
KV376.02

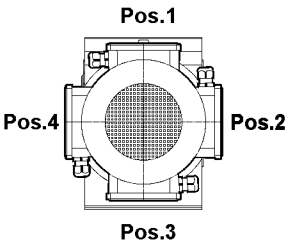






	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

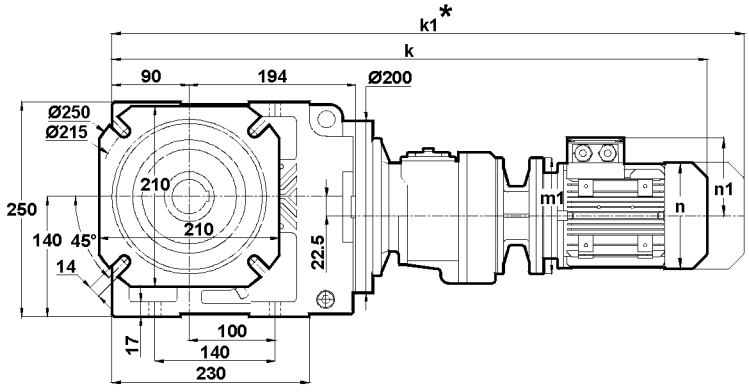
Terminal Box Positions
Klemmkasten Positionen

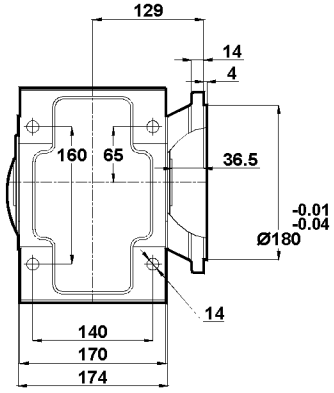


63-71
Type / Typ

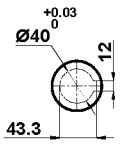
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

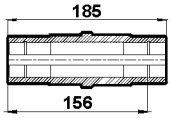
KV375.03
KV376.03



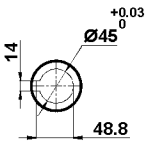


Std.





Ops.



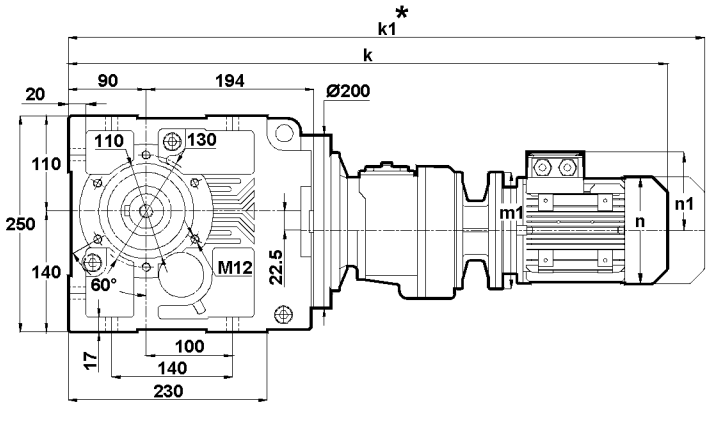
	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

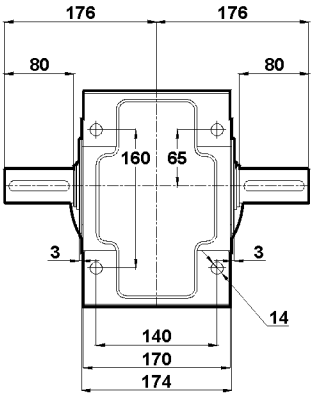
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

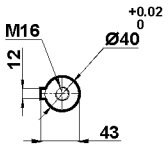
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV375.04
KV376.04

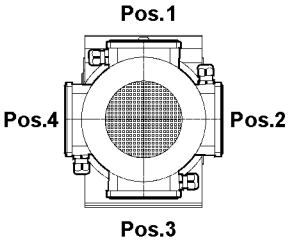






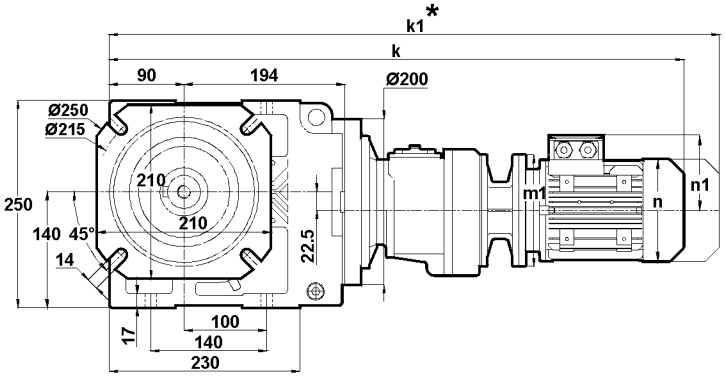
	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

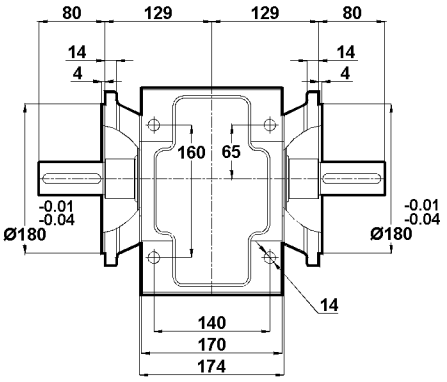
Terminal Box Positions
Klemmkasten Positionen

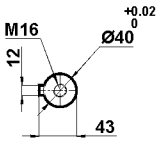


63-71
Type / Typ

KV375.05
KV376.05







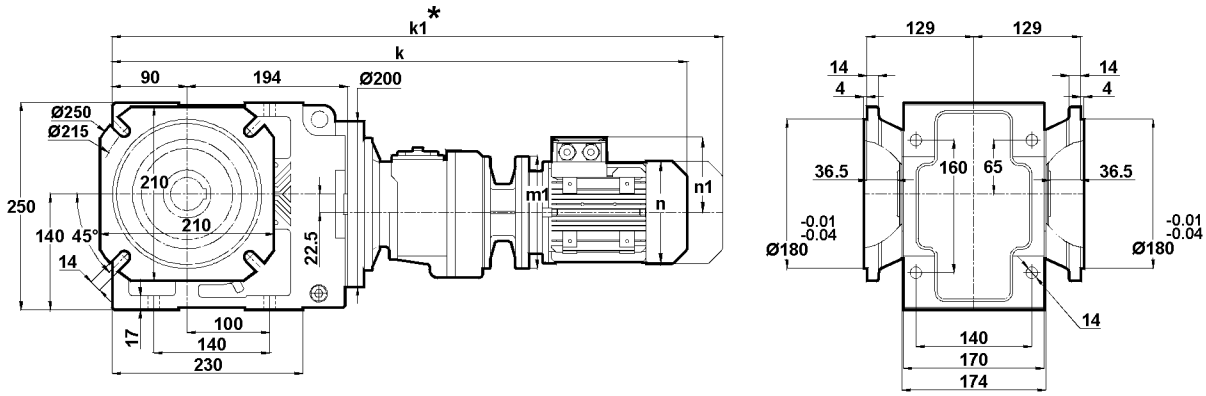
	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

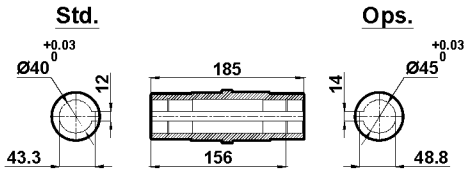
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

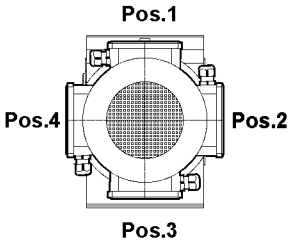
KV375.08
KV376.08





	63/B5 63/B14	71/B5 71/B14
k	686	705.5
k1	747	796.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

Terminal Box Positions
Klemmkasten Positionen



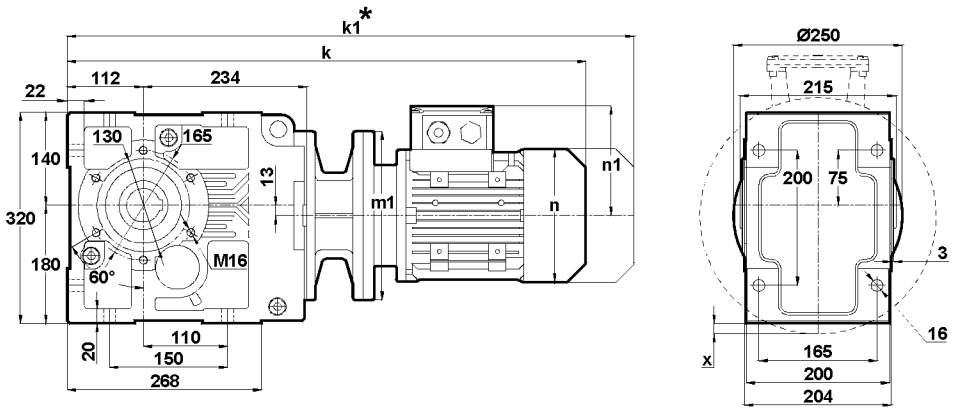
63-71
Type / Typ

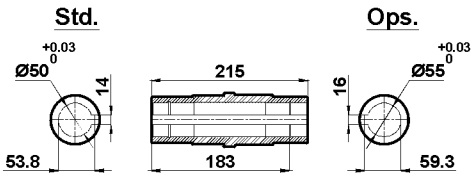
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV473.00

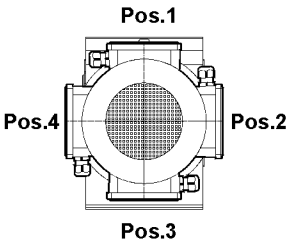




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

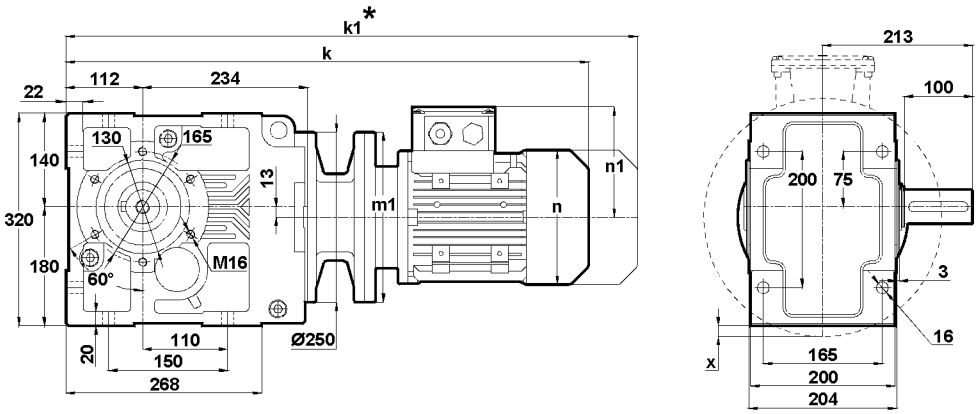
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

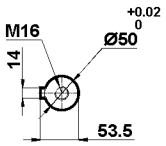
Terminal Box Positions
Klemmkasten Positionen



80-90-100-112-132-160-180
Type / Typ

KV473.01





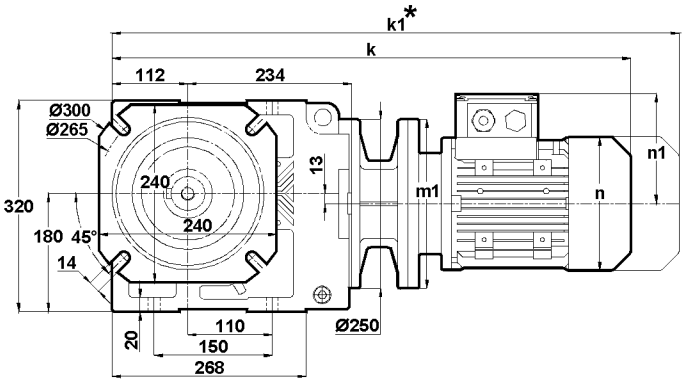
x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

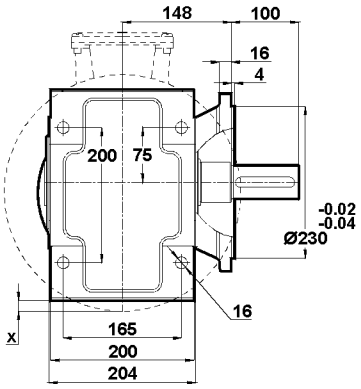
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

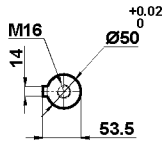
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV473.02

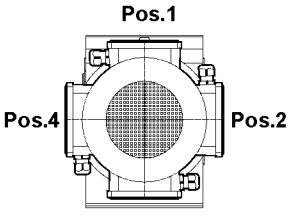




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



Terminal Box Positions
Klemmkasten Positionen

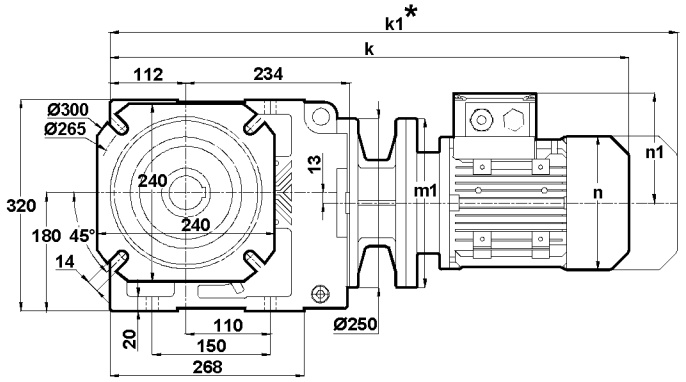


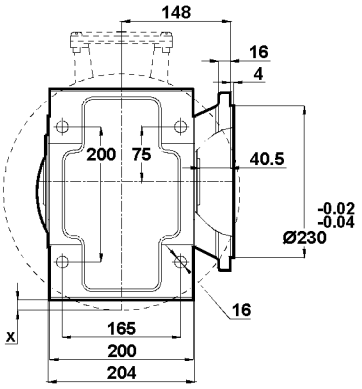
80-90-100-112-132-160-180
Type / Typ

	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

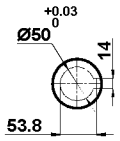
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

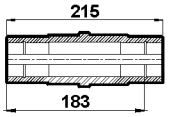
KV473.03



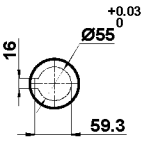


Std.





Ops.



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

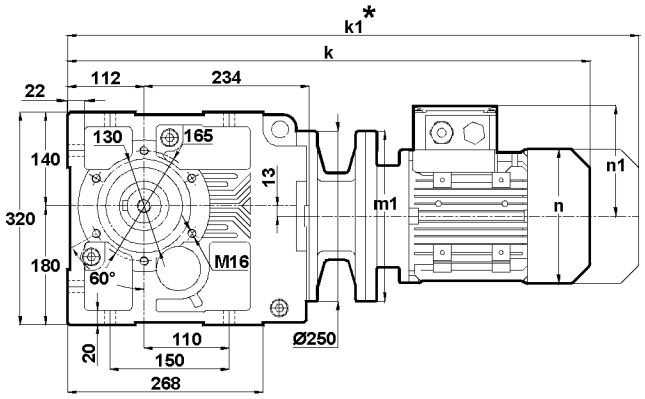
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

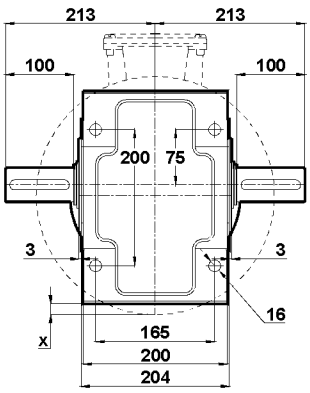
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

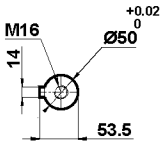
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV473.04

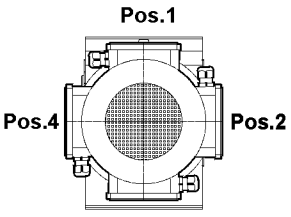




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



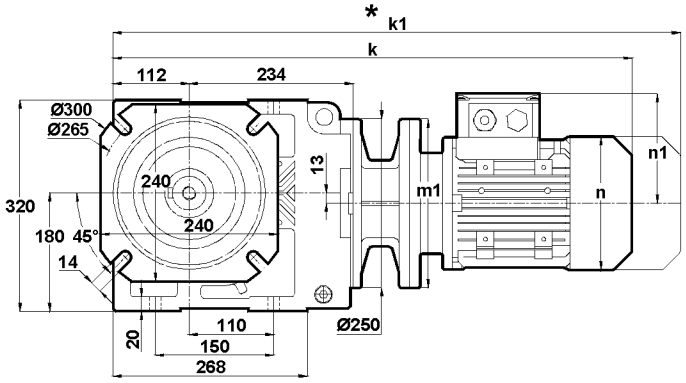
Terminal Box Positions
Klemmkasten Positionen

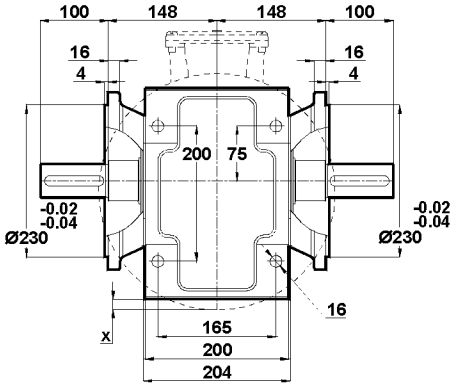


80-90-100-112-132-160-180
Type / Typ

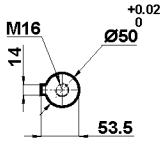
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

KV473.05





x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



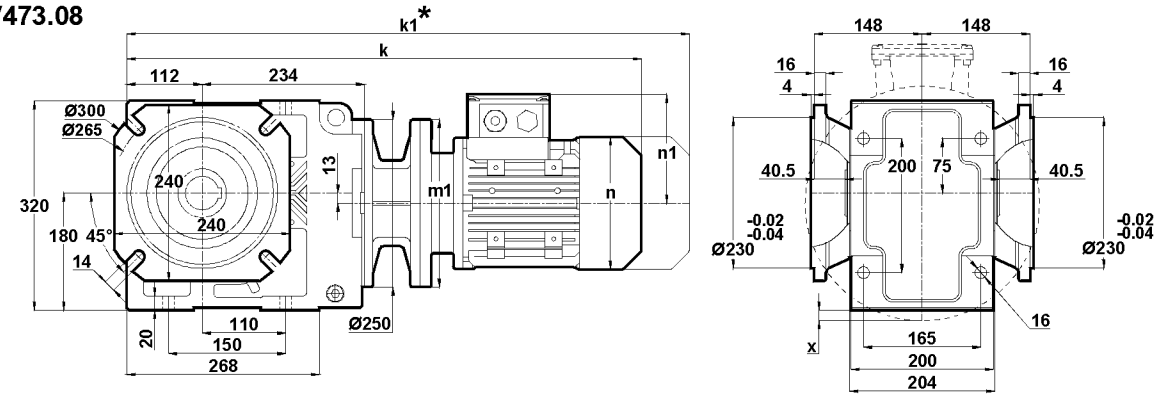
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

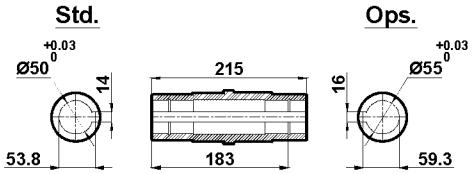
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV473.08

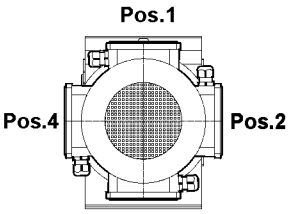




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	636.5	677.5	677.5	731.5	752	854.5	854.5	1014	1014	1102	1102
k1	729.5	781	781	840	856.5	984.5	984.5	1162	1162	1260.5	1260.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	8	8	8	8

Terminal Box Positions
Klemmkasten Positionen



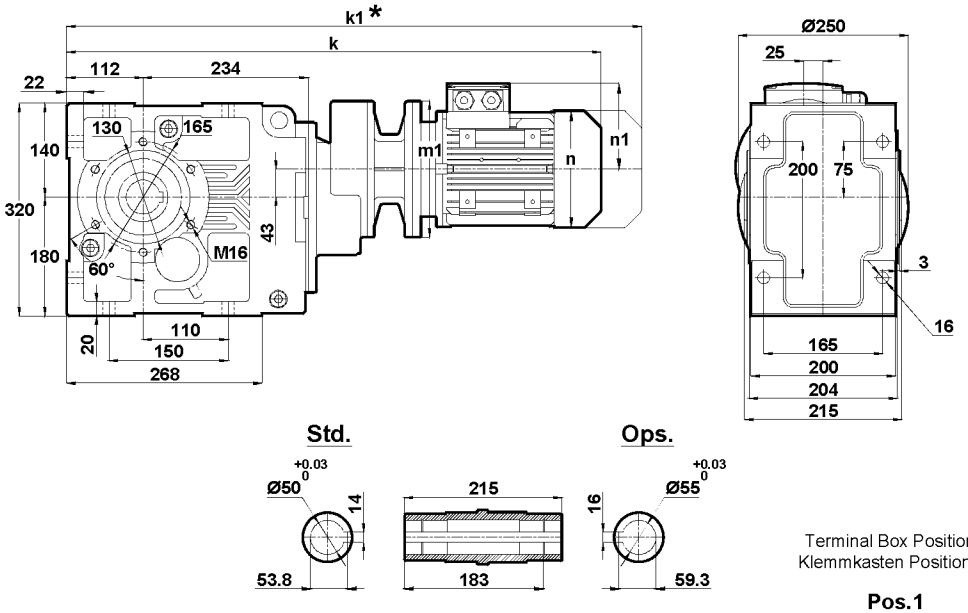
80-90-100-112-132-160-180
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

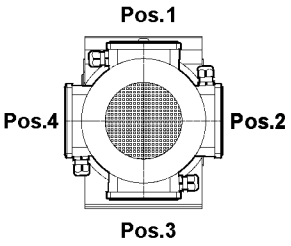
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV474.00



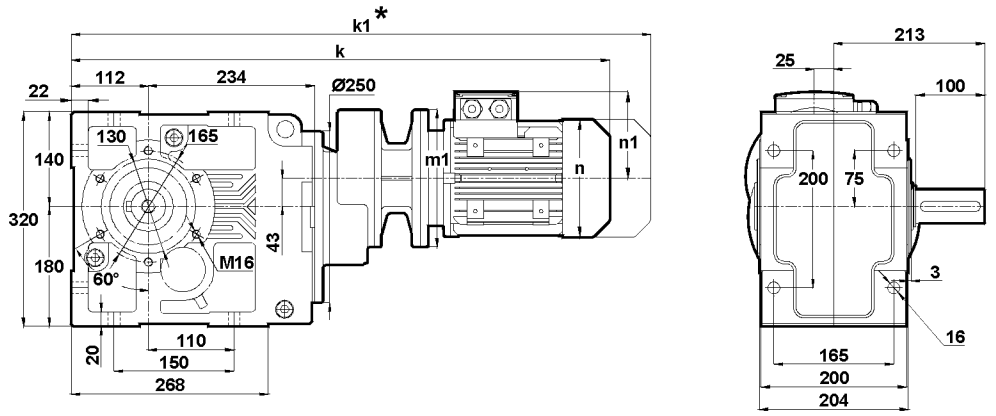
	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

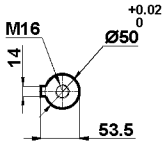
Terminal Box Positions
Klemmkasten Positionen



71-80
Type / Typ

KV474.01



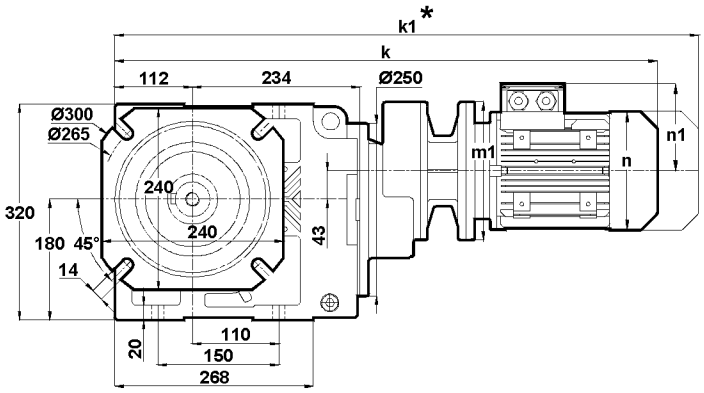


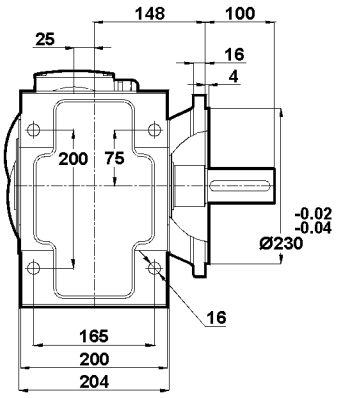
	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

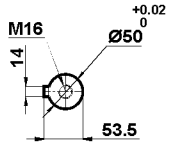
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

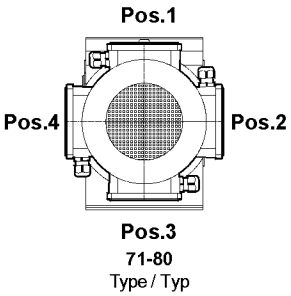
KV474.02







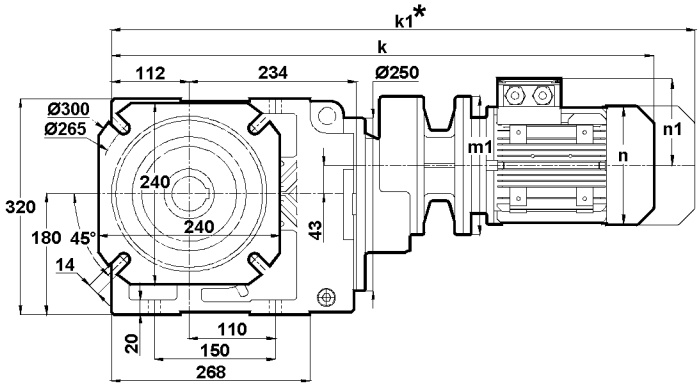
Terminal Box Positions
Klemmkasten Positionen

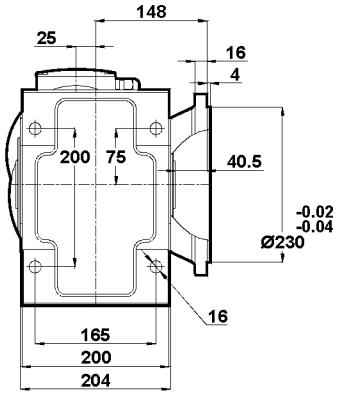


	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

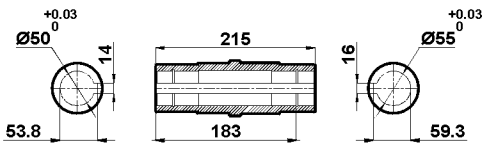
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV474.03





Std. Ops.



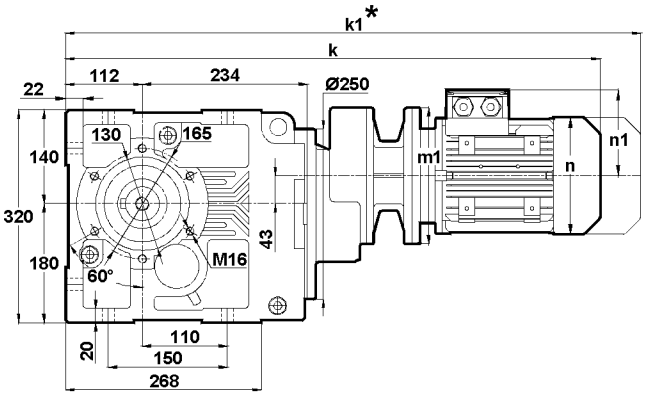
	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

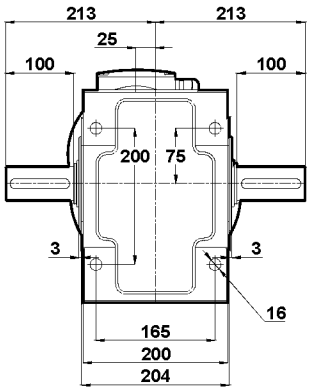
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

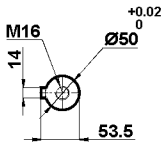
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV474.04

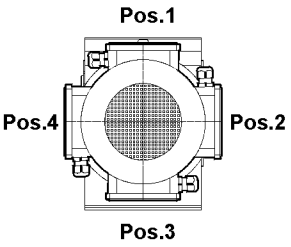






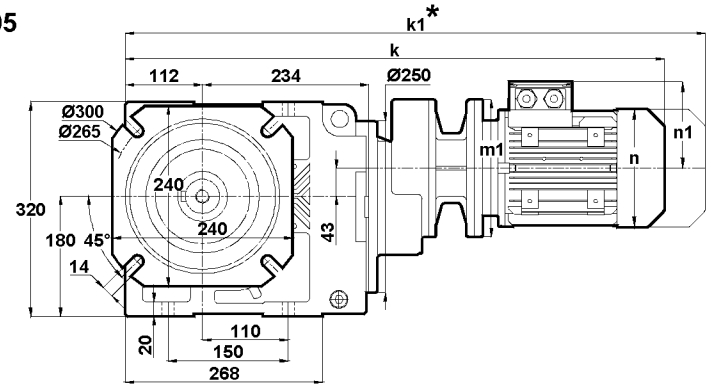
	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

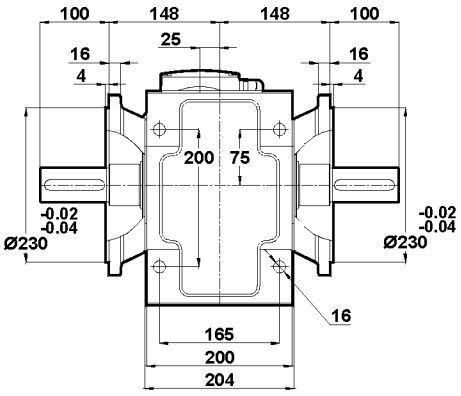
Terminal Box Positions
Klemmkasten Positionen

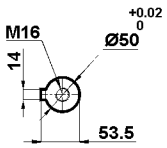


71-80
Type / Typ

KV474.05







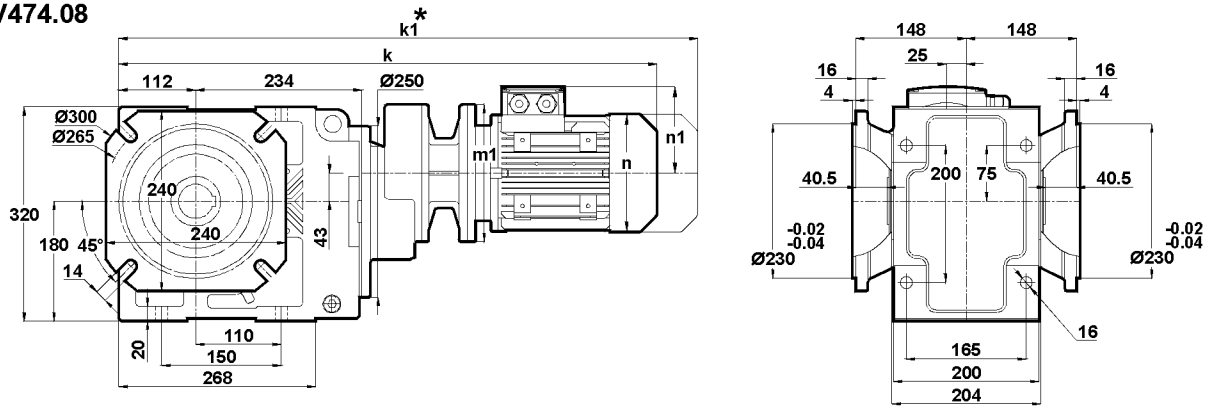
	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

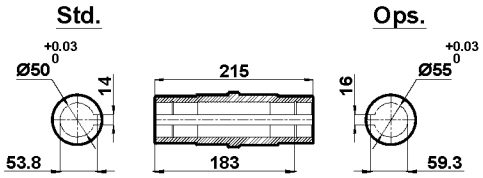
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

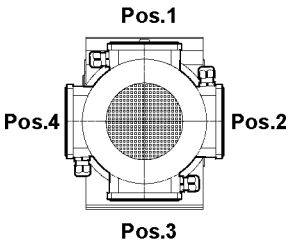
KV474.08





	71/B5	80/B5 80/B14
k	711.5	734.5
k1	802.5	827.5
n / n1	137 / 112	155 / 123
m1 (B5)	160	200
m1 (B14)	-	120

Terminal Box Positions
Klemmkasten Positionen



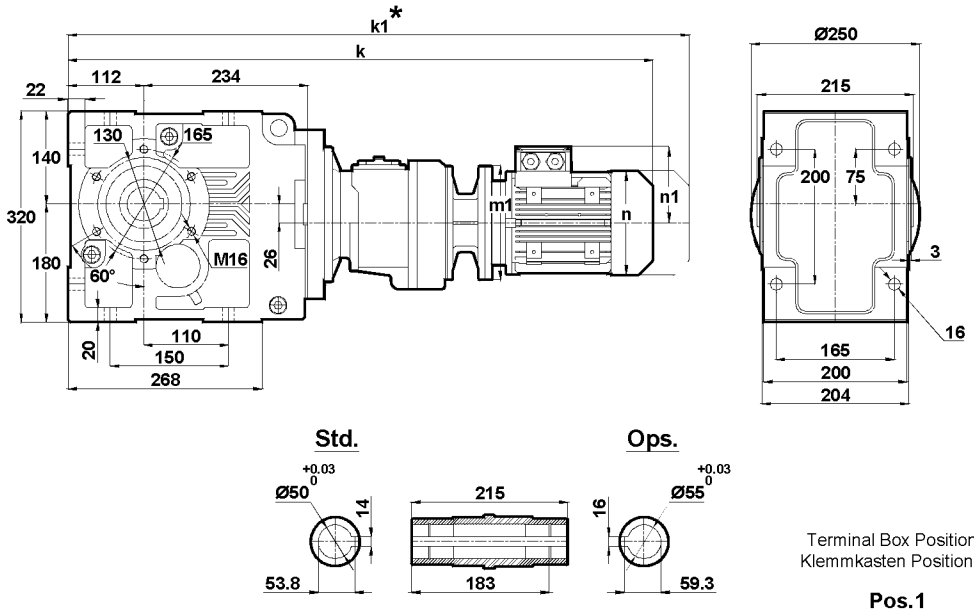
71-80
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

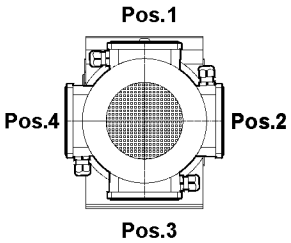
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV475.00
KV476.00



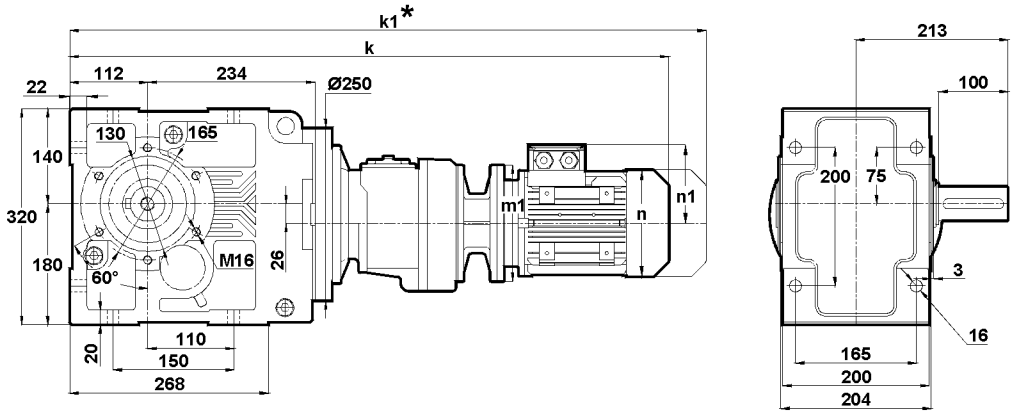
Terminal Box Positions
Klemmkasten Positionen

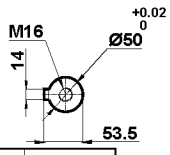


63-71
Type / Typ

	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

KV475.01
KV476.01



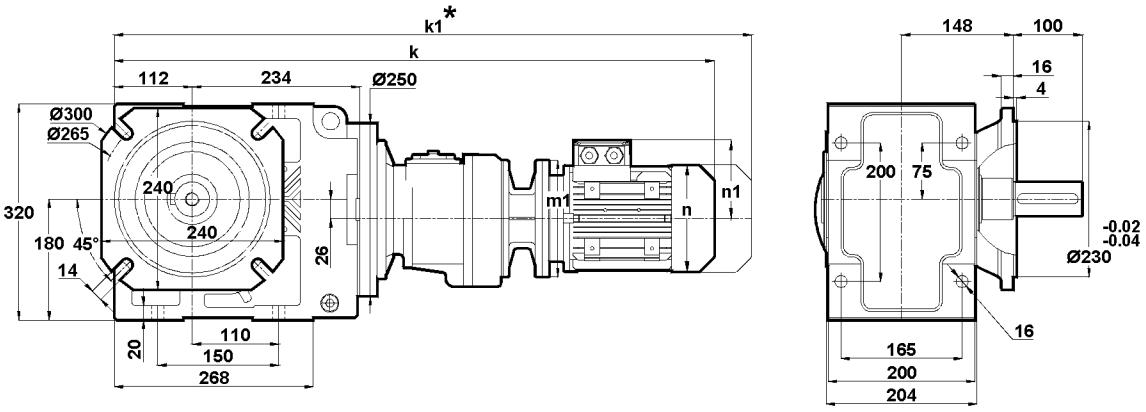


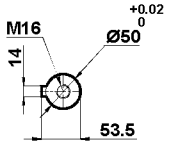
	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

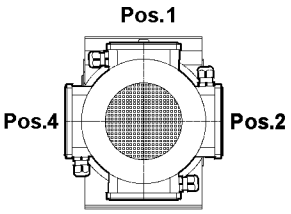
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV475.02
KV476.02





Terminal Box Positions
Klemmkasten Positionen

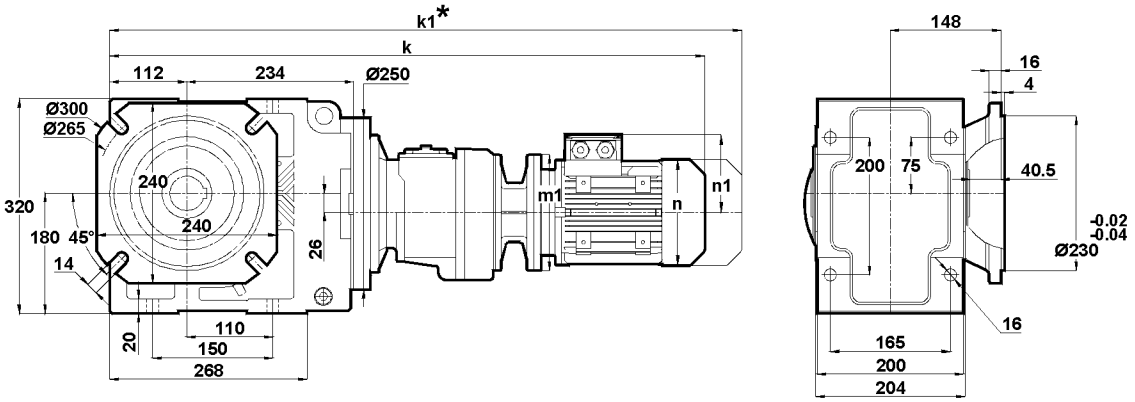


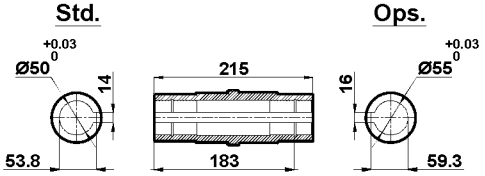
63-71
Type / Typ

	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV475.03
KV476.03





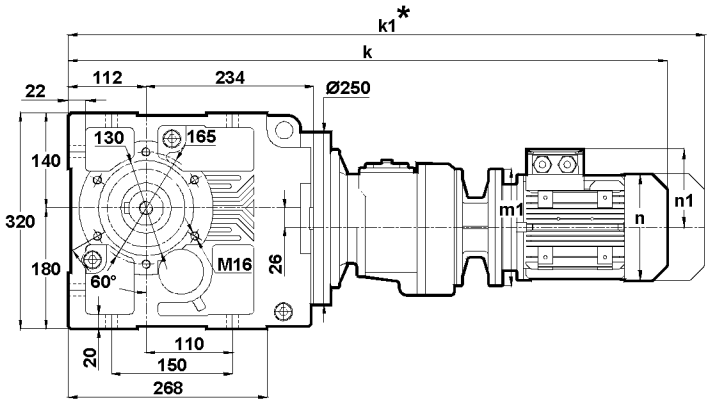
	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

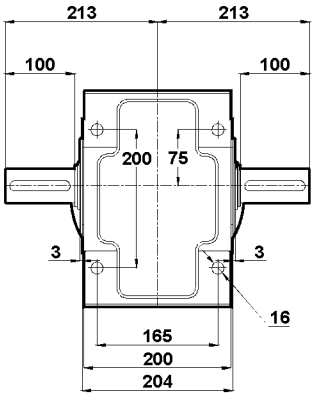
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

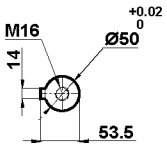
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV475.04
KV476.04

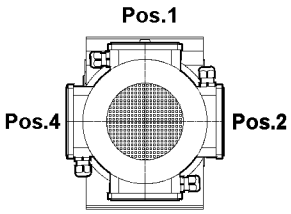






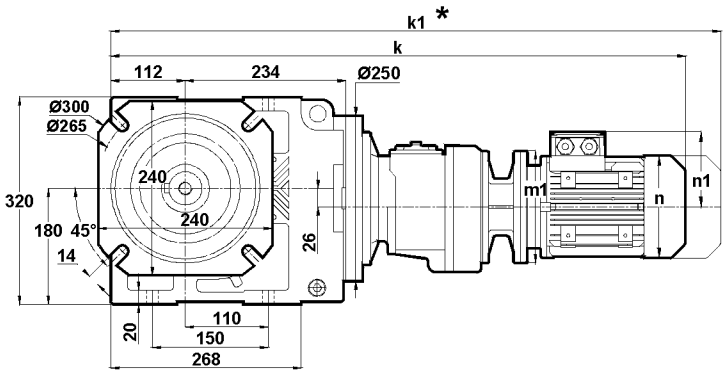
	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

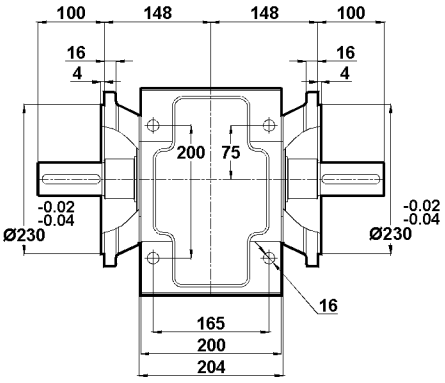
Terminal Box Positions
Klemmkasten Positionen

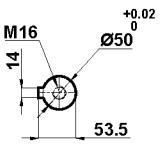


63-71
Type / Typ

KV475.05
KV476.05







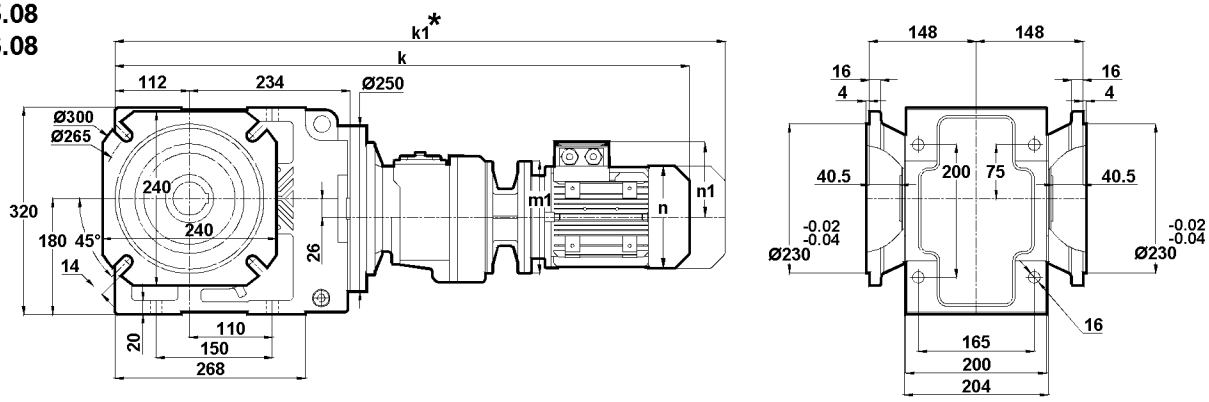
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

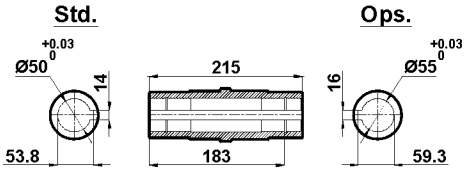
	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

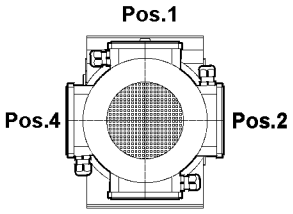
KV475.08
KV476.08





	63/B5	71/B5 71/B14
k	821.5	810.5
k1	882.5	901.5
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

Terminal Box Positions
Klemmkasten Positionen



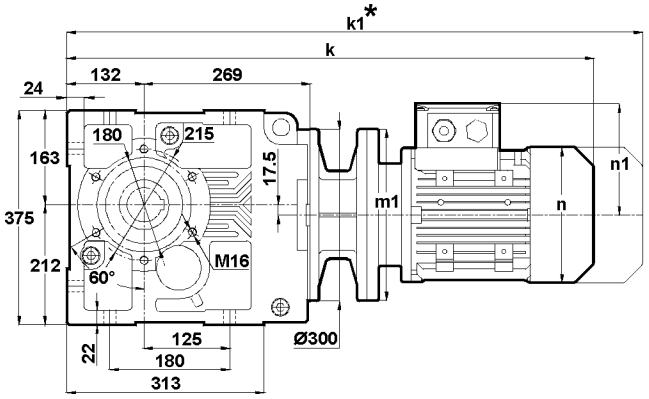
63-71
Type / Typ

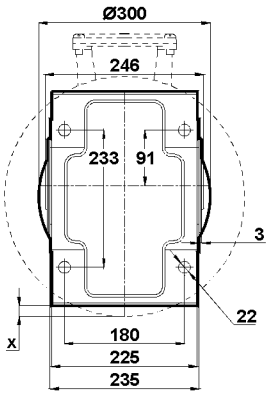
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

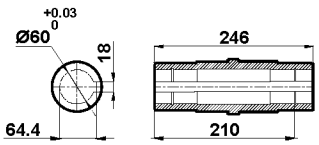
KV573.00



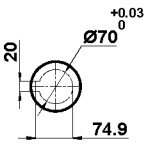


x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

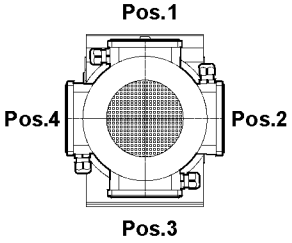
Std.



Ops.



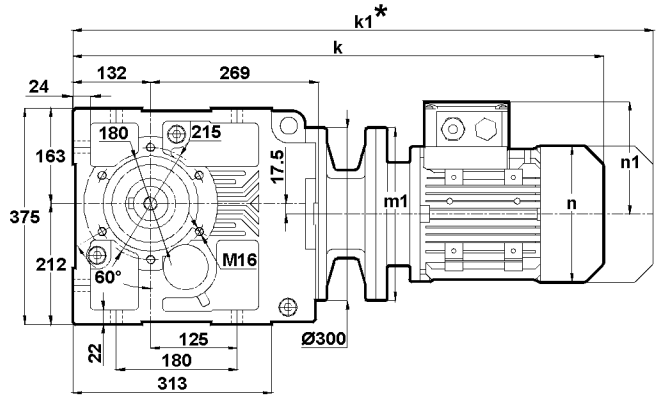
Terminal Box Positions
Klemmkasten Positionen

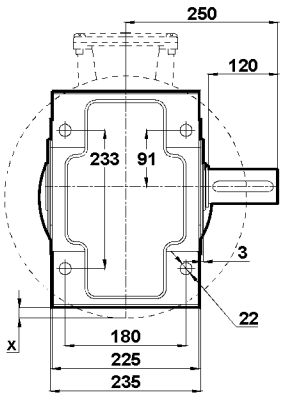


100-112-132-160-180
Type / Typ

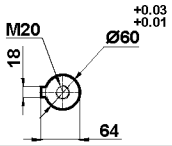
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

KV573.01





x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

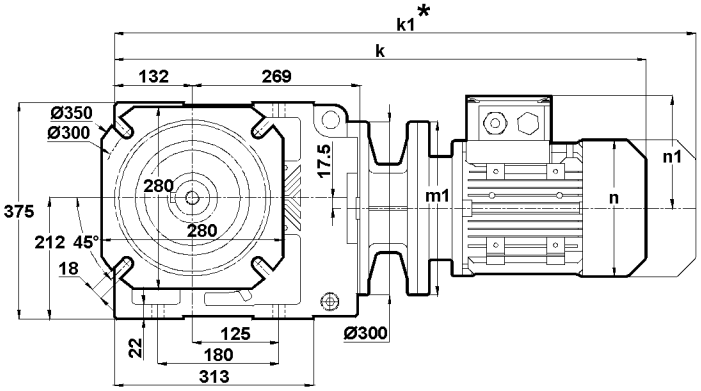


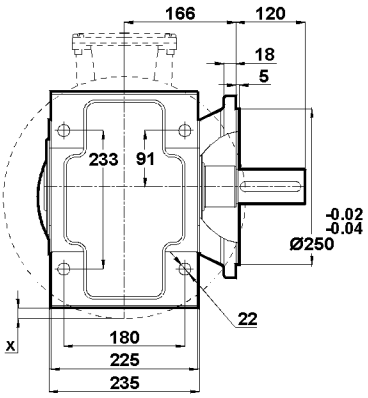
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

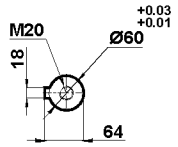
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV573.02

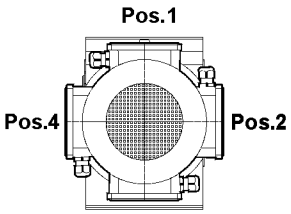




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



Terminal Box Positions
Klemmkasten Positionen

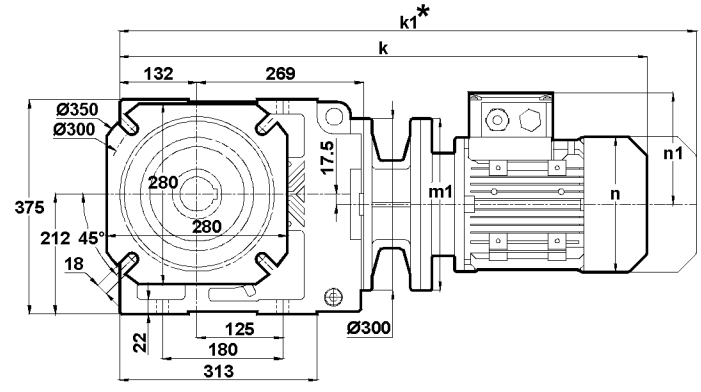


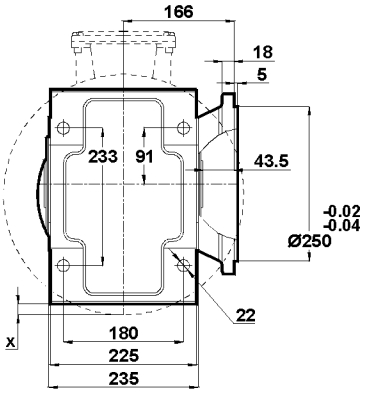
100-112-132-160-180
Type / Typ

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

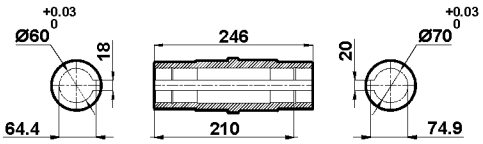
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV573.03





Std. **Ops.**



x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

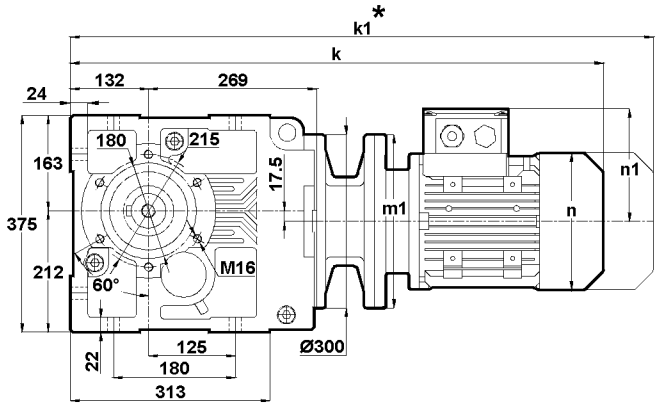
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

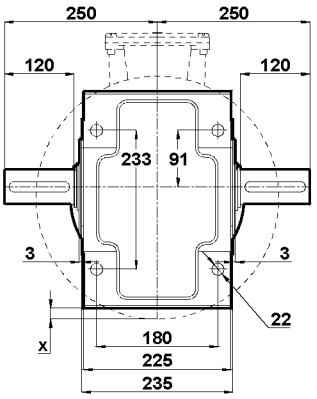
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

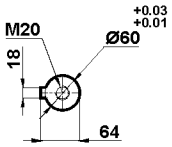
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV573.04

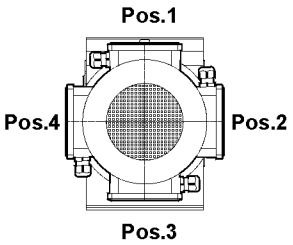




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



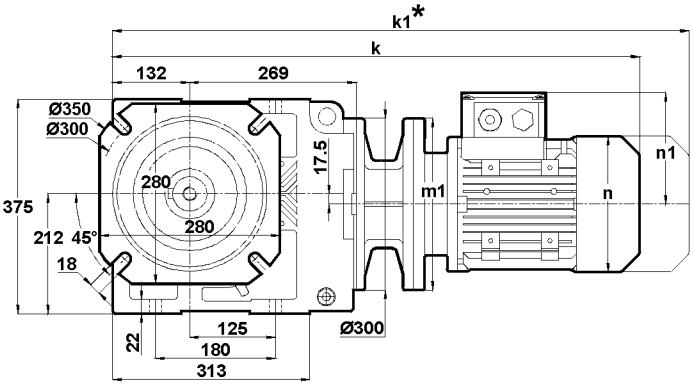
Terminal Box Positions
Klemmkasten Positionen

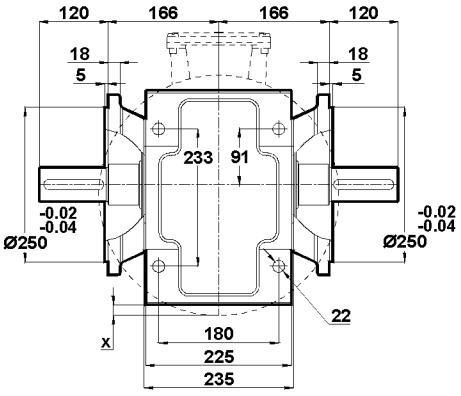


100-112-132-160-180
Type / Typ

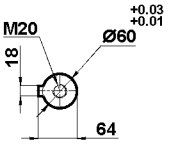
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

KV573.05





x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.



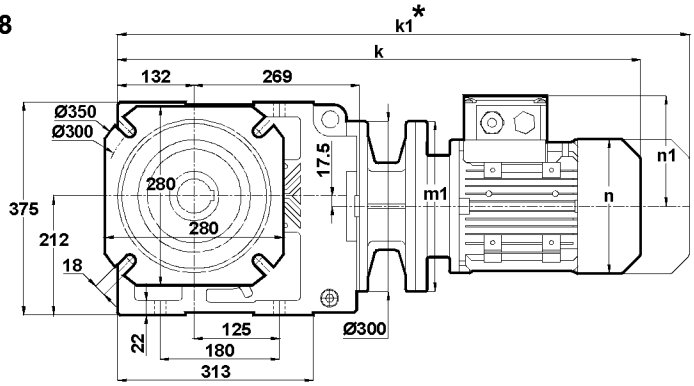
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

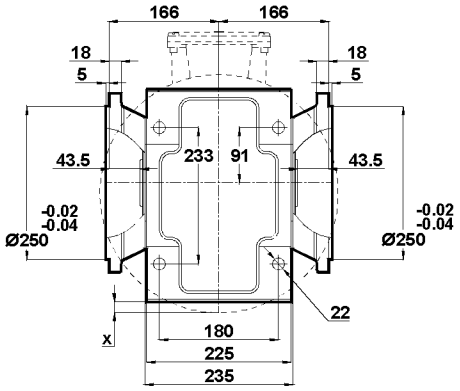
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

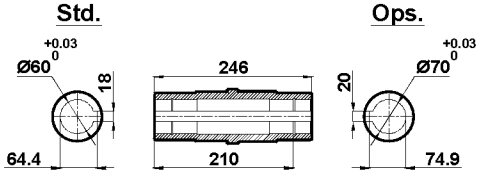
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV573.08



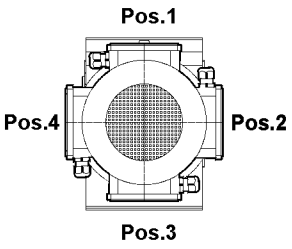




x: If Motor is lower than foot mounting plane.
x: Wenn der Motor unter der Fußmontageebene ist.

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	804.5	909.5	909.5	1065	1065	1153	1153
k1	892.5	909	1039.5	1039.5	1213	1213	1311.5	1311.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	5,5

Terminal Box Positions
Klemmkasten Positionen



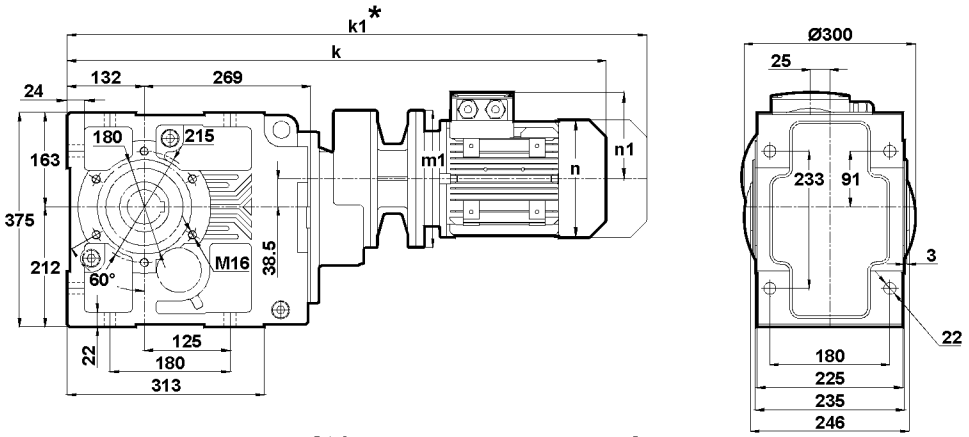
100-112-132-160-180
Type / Typ

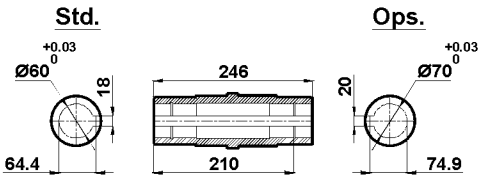
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

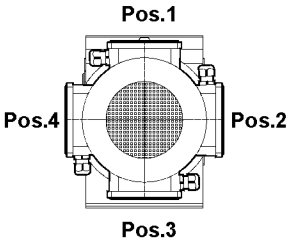
KV574.00





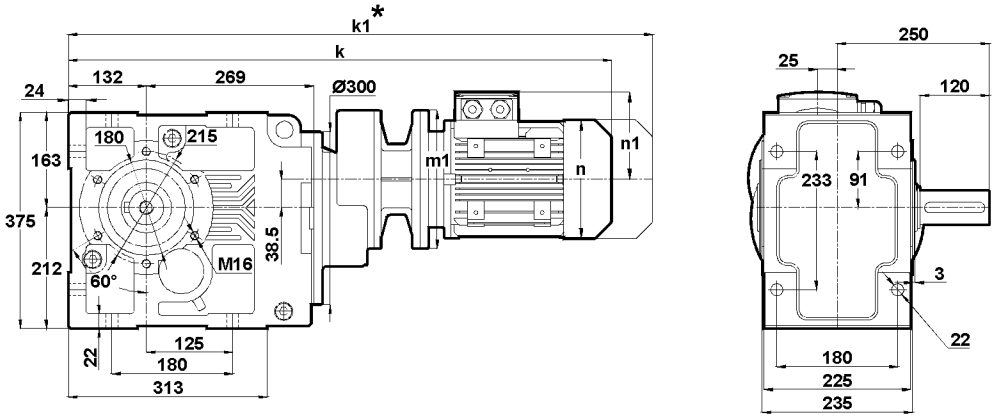
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

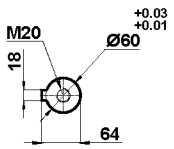
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100
Type / Typ

KV574.01



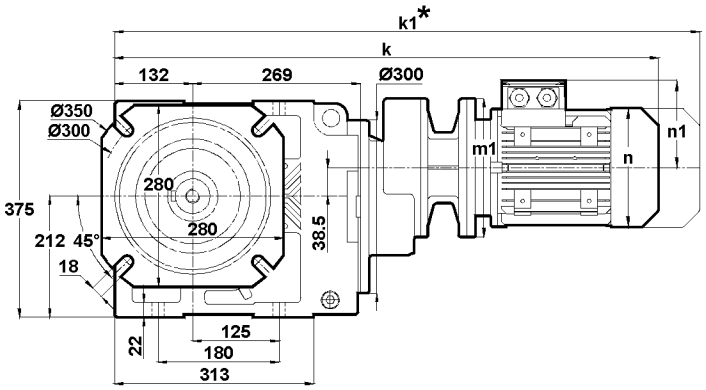


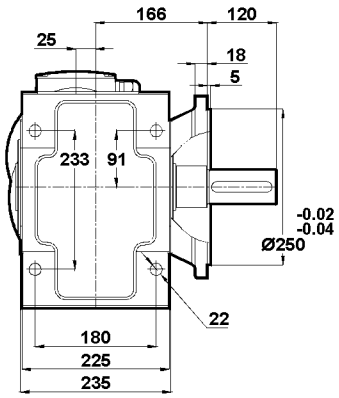
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

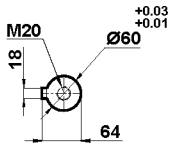
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

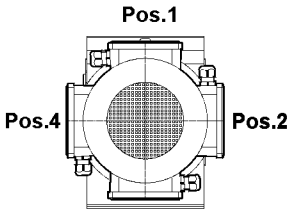
KV574.02







Terminal Box Positions
Klemmkasten Positionen

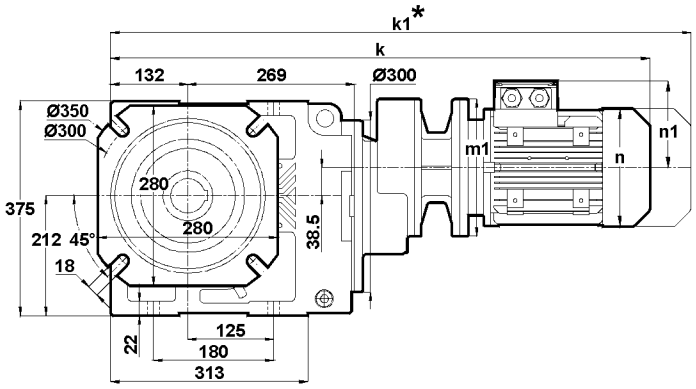


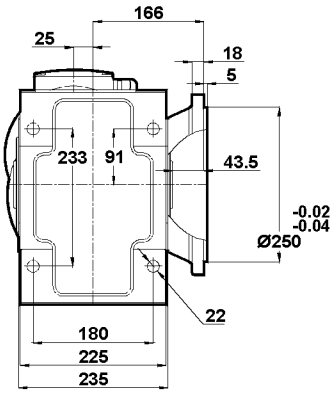
71-80-90-100
Type / Typ

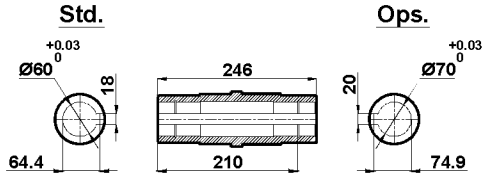
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

KV574.03







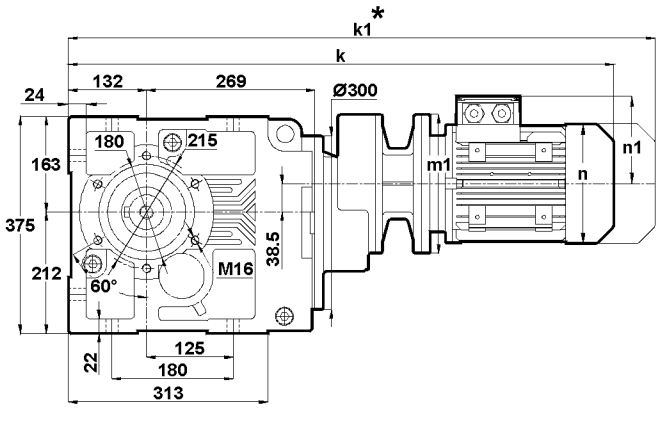
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

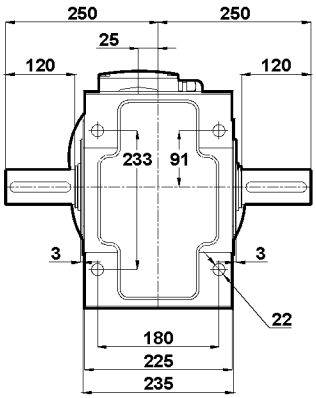
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

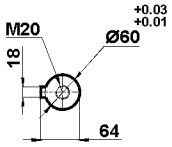
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV574.04

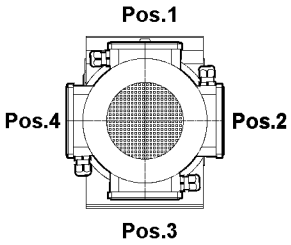






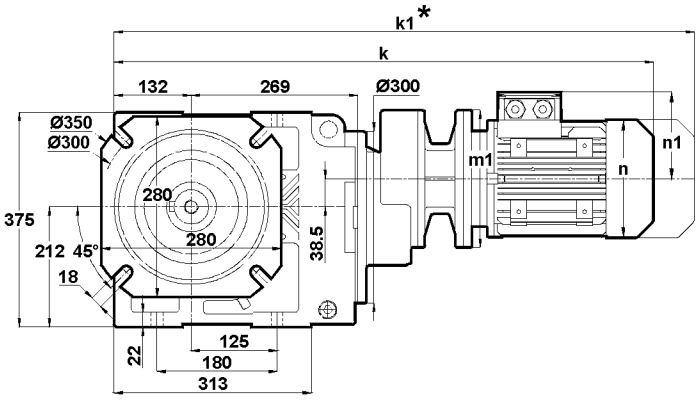
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

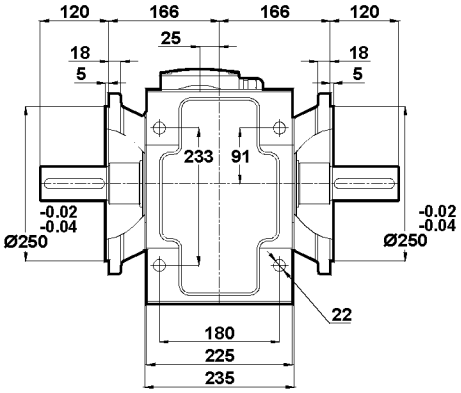
Terminal Box Positions
Klemmkasten Positionen

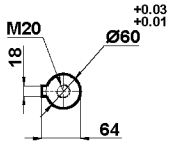


71-80-90-100
Type / Typ

KV574.05







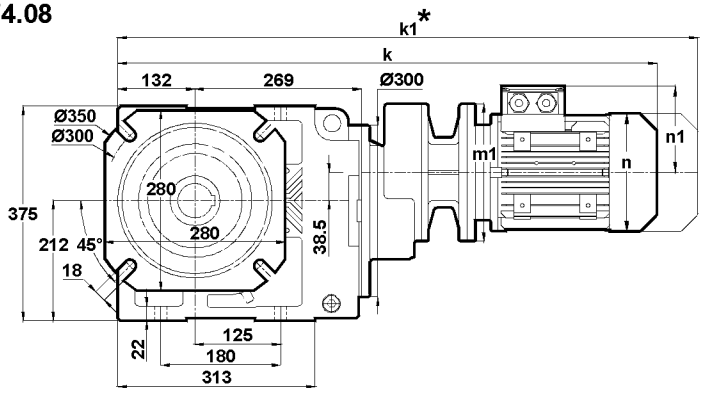
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

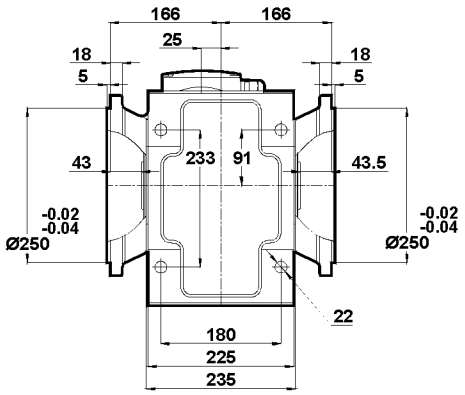
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

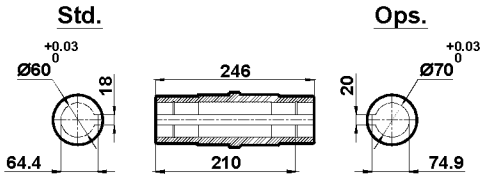
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV574.08

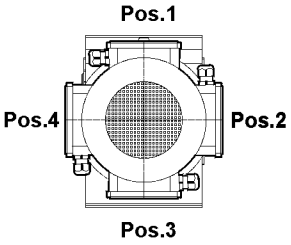






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	764.5	787.5	828.5	828.5	881
k1	855.5	880.5	932	932	989.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	-

Terminal Box Positions
Klemmkasten Positionen



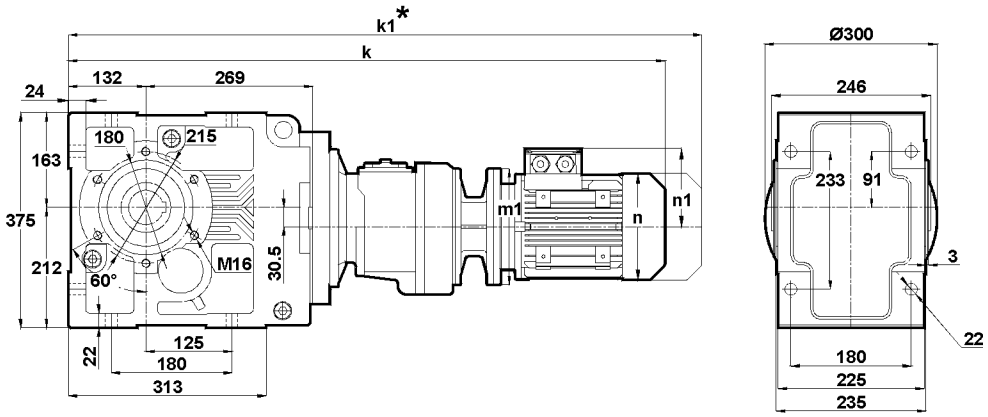
71-80-90-100
Type / Typ

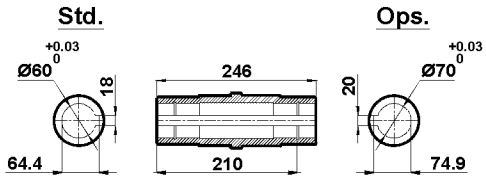
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

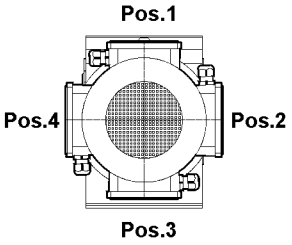
KV575.00
KV576.00





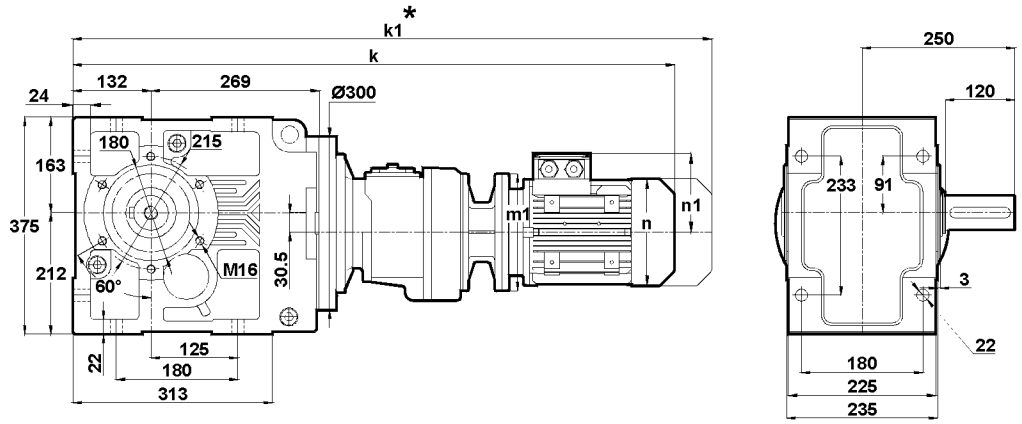
	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

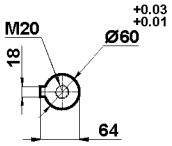
Terminal Box Positions
Klemmkasten Positionen



63-71-80
Type / Typ

KV575.01
KV576.01



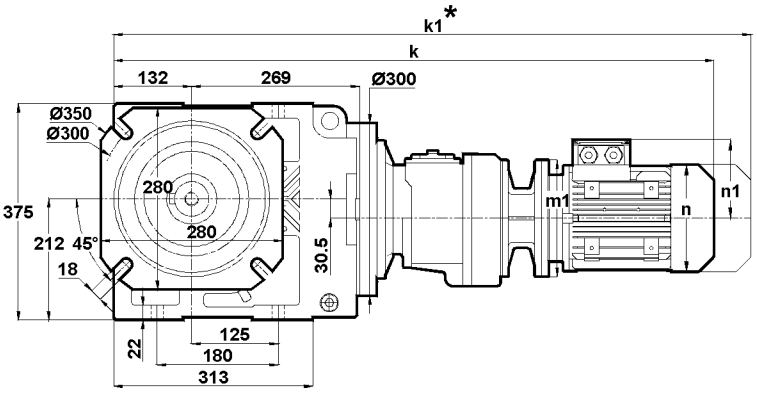


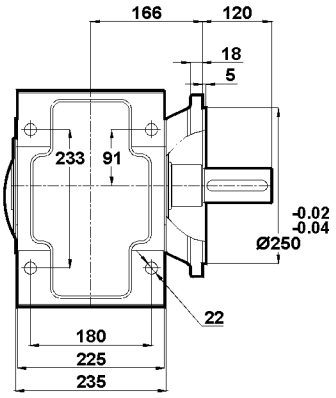
	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

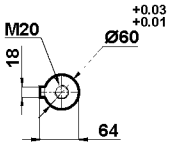
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV575.02
KV576.02

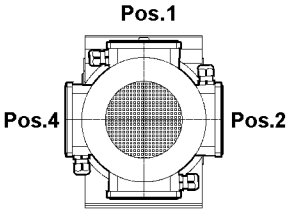






	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

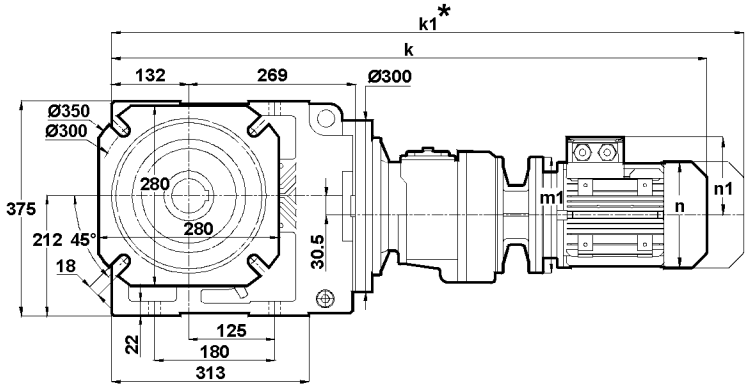
Terminal Box Positions
Klemmkasten Positionen

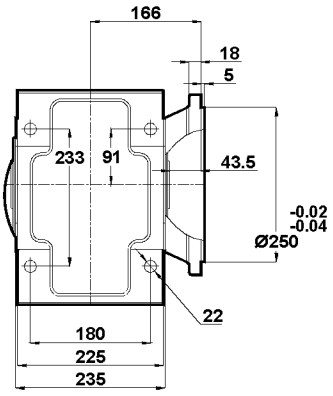


63-71-80
Type / Typ

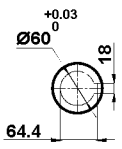
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

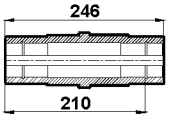
KV575.03
KV576.03



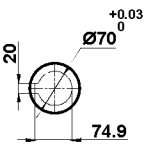


Std.





Ops.



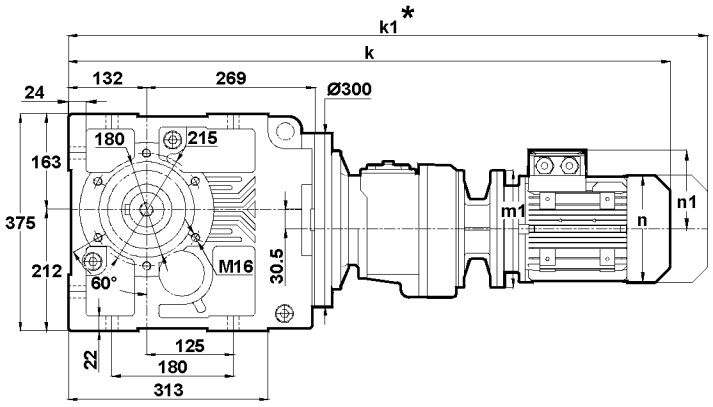
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

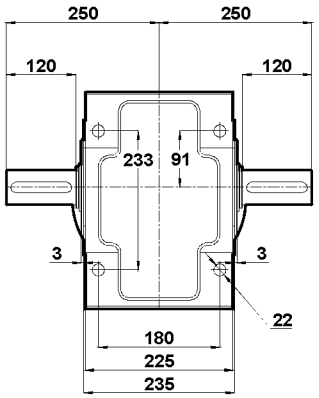
	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

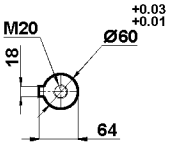
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV575.04
KV576.04

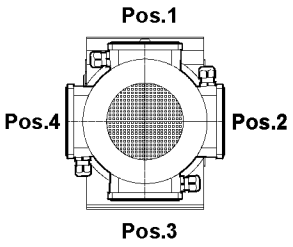






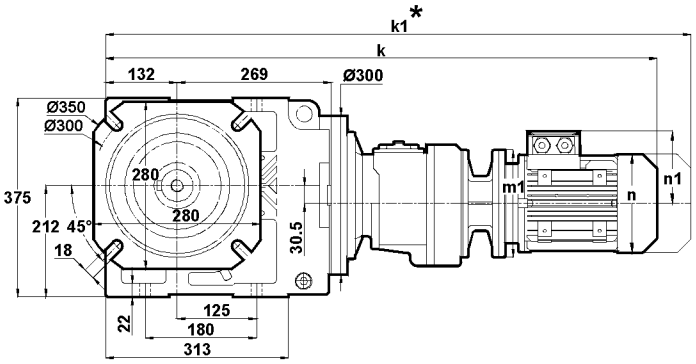
	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

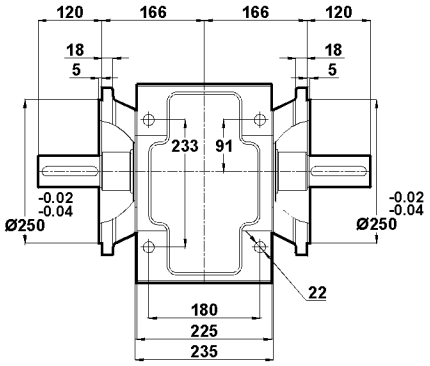
Terminal Box Positions
Klemmkasten Positionen

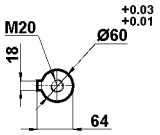


63-71-80
Type / Typ

KV575.05
KV576.05







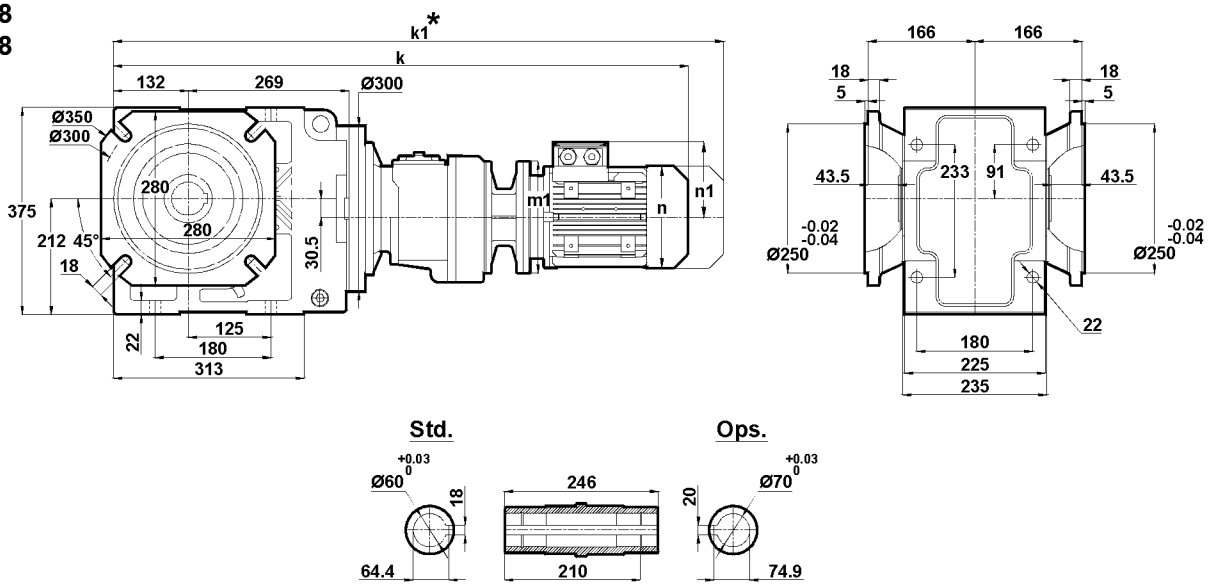
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

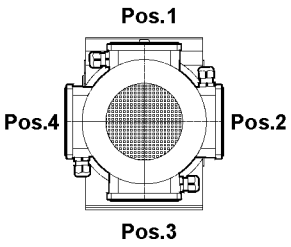
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV575.08
KV576.08



	63/B5	71/B5 71/B14	80/B5 80/B14
k	876.5	865.5	917.5
k1	937.5	956.5	1010.5
n / n1	121 / 97	137 / 112	155 / 123
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Terminal Box Positions
Klemmkasten Positionen



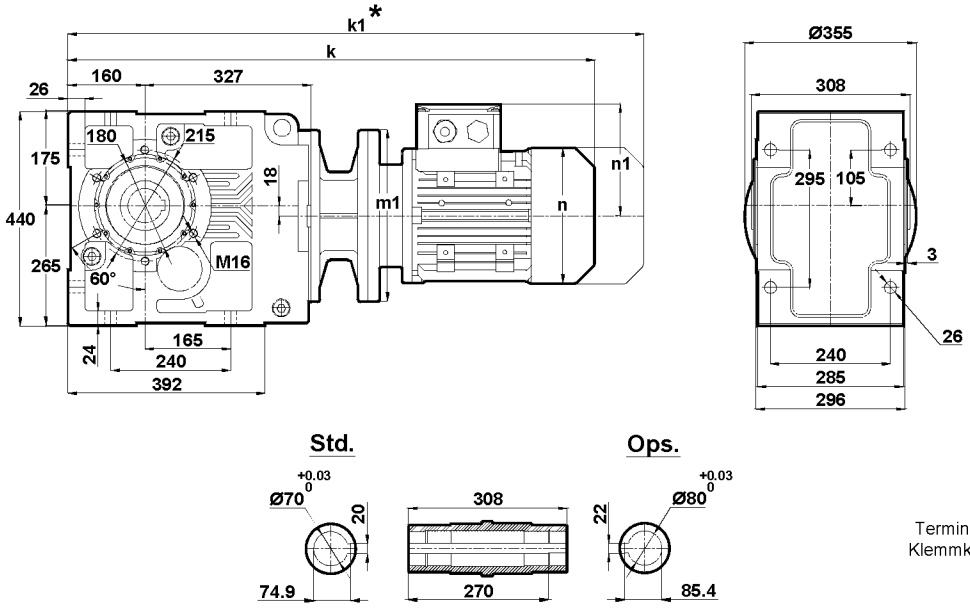
63-71-80
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

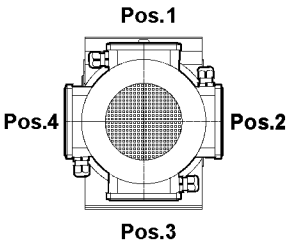
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV673.00



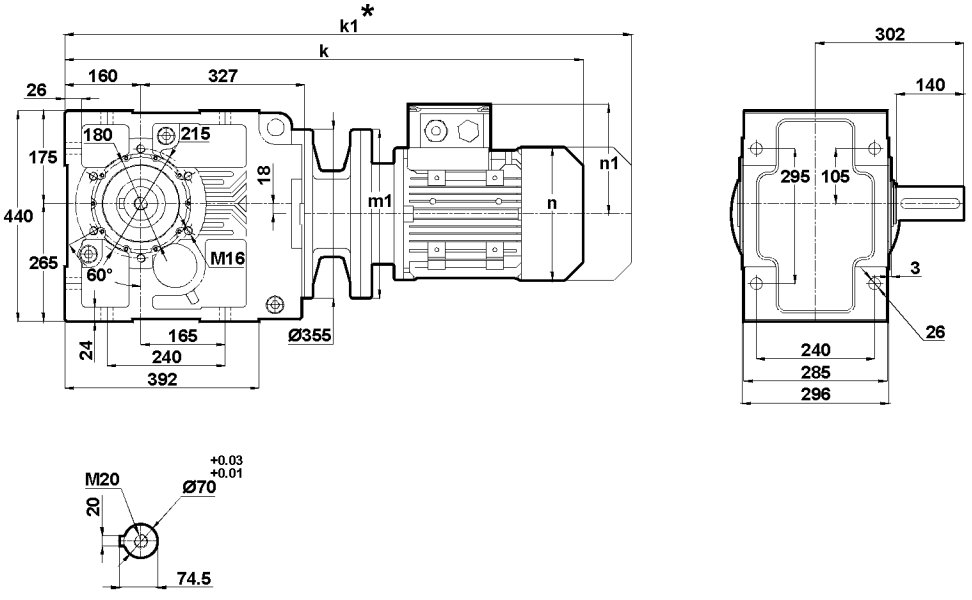
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180-200-225
Type / Typ

KV673.01

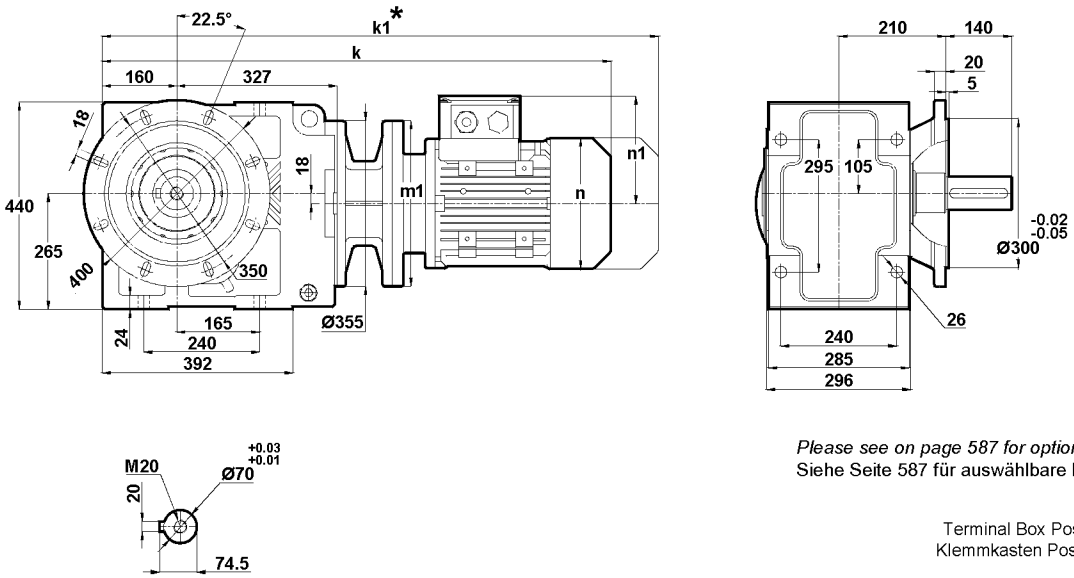


	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

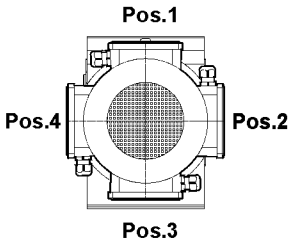
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV673.02



Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

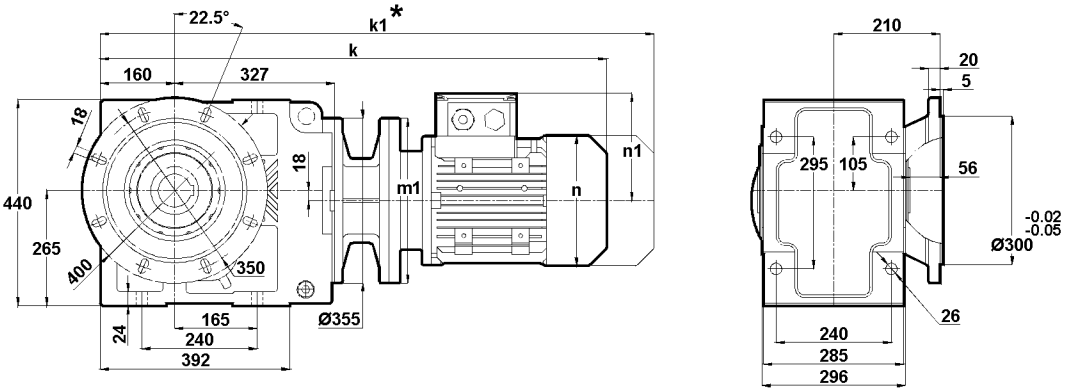
Terminal Box Positions
Klemmkasten Positionen

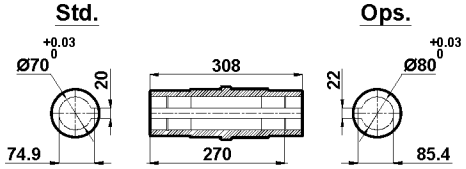


100-112-132-160-180-200-225
Type / Typ

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

KV673.03





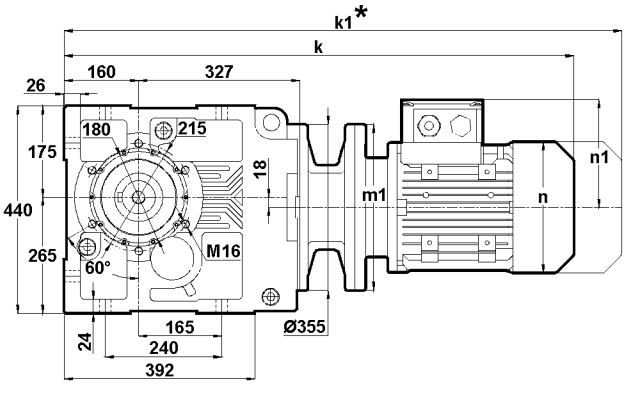
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

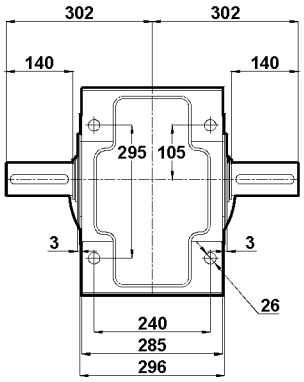
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

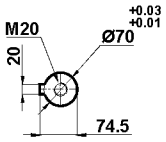
**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

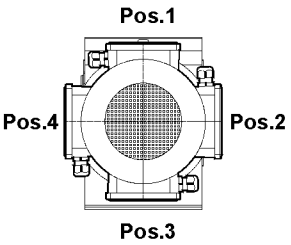
KV673.04







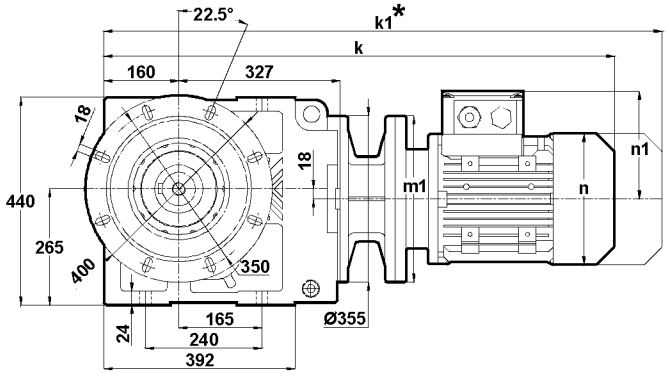
Terminal Box Positions
Klemmkasten Positionen

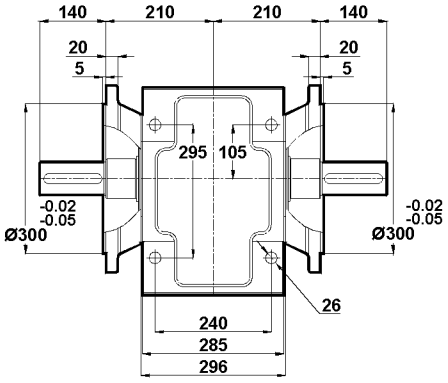


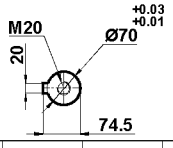
100-112-132-160-180-200-225
Type / Typ

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

KV673.05







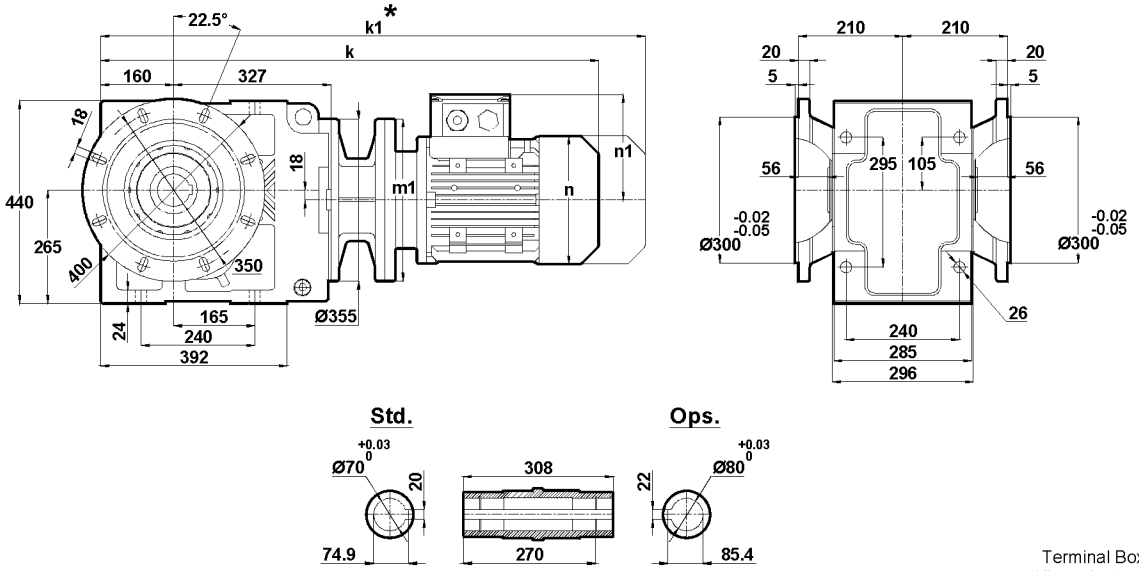
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

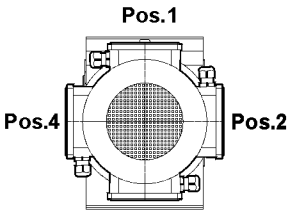
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV673.08



	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	886.5	985.5	985.5	1140.5	1140.5	1228.5	1228.5	1303	1374	1399
k1	974.5	991	1115.5	1115.5	1288.5	1288.5	1387	1387	1489.5	1539	1564
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



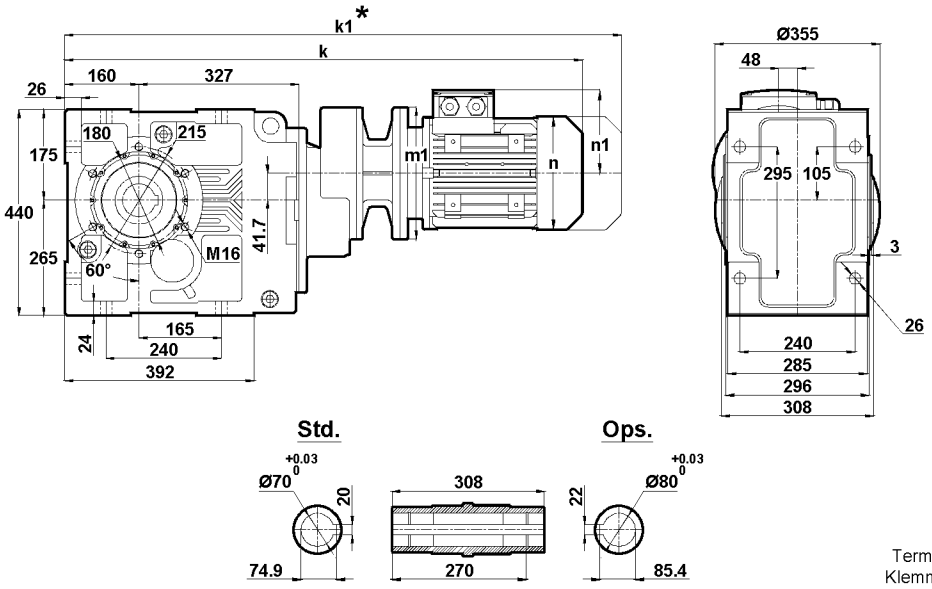
100-112-132-160-180-200-225
Type / Typ

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

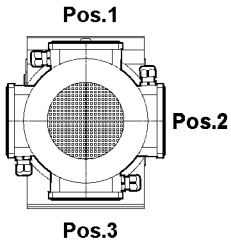
KV674.00



	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

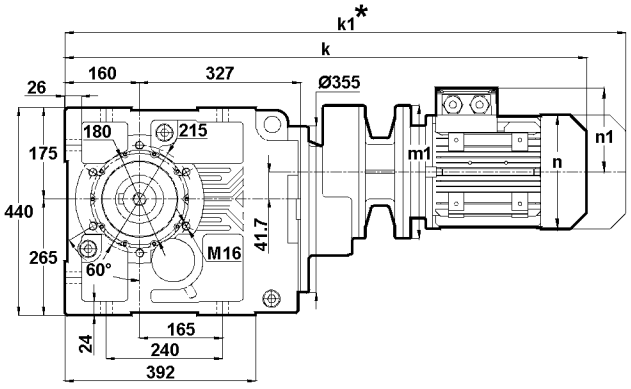
Pos.4

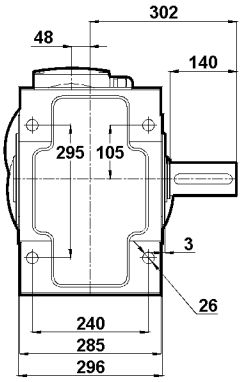
Terminal Box Positions
Klemmkasten Positionen

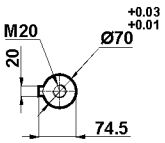


80-90-100
Type / Typ

KV674.01



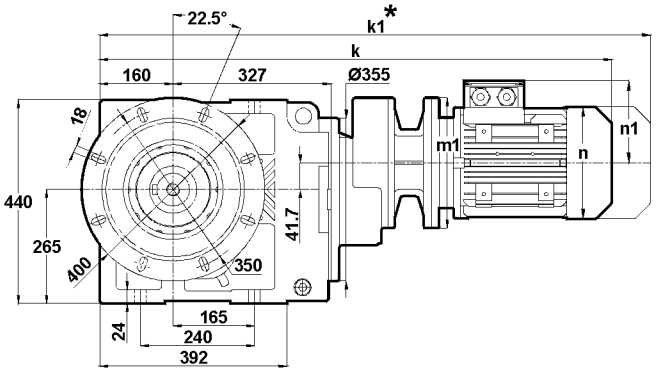


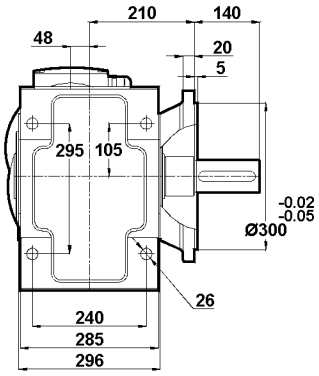


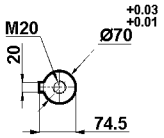
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

**Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

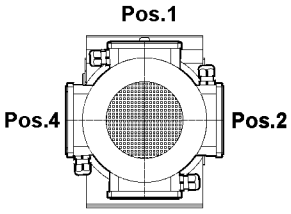
KV674.02







Terminal Box Positions
Klemmkasten Positionen

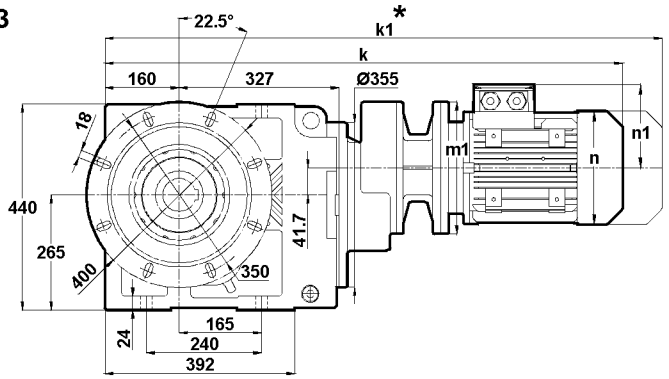


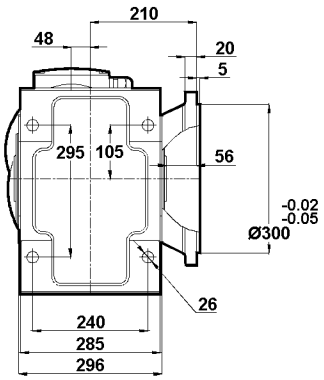
80-90-100
Type / Typ

	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

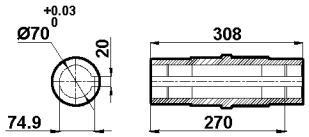
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV674.03

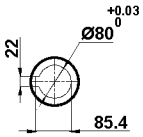




Std.



Ops.



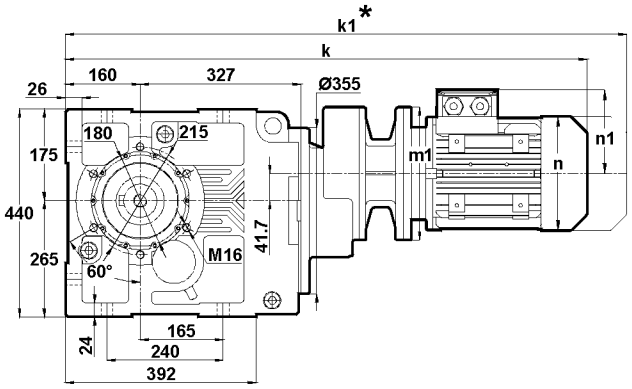
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

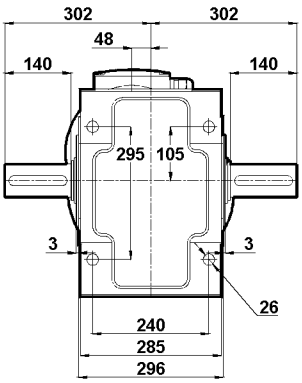
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

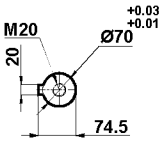
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV674.04

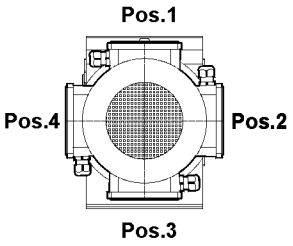






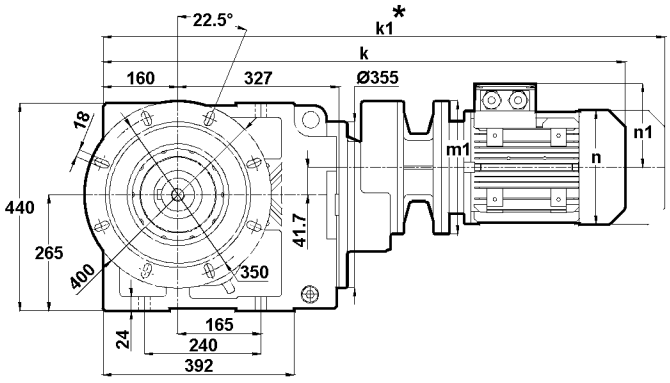
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

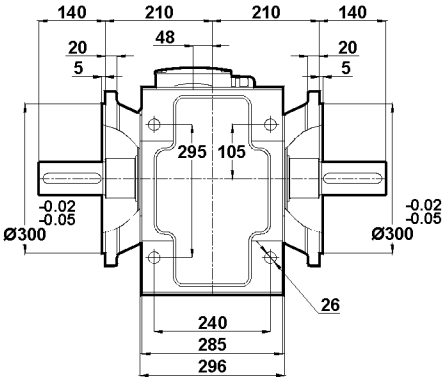
Terminal Box Positions
Klemmkasten Positionen

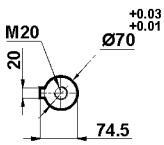


80-90-100
Type / Typ

KV674.05





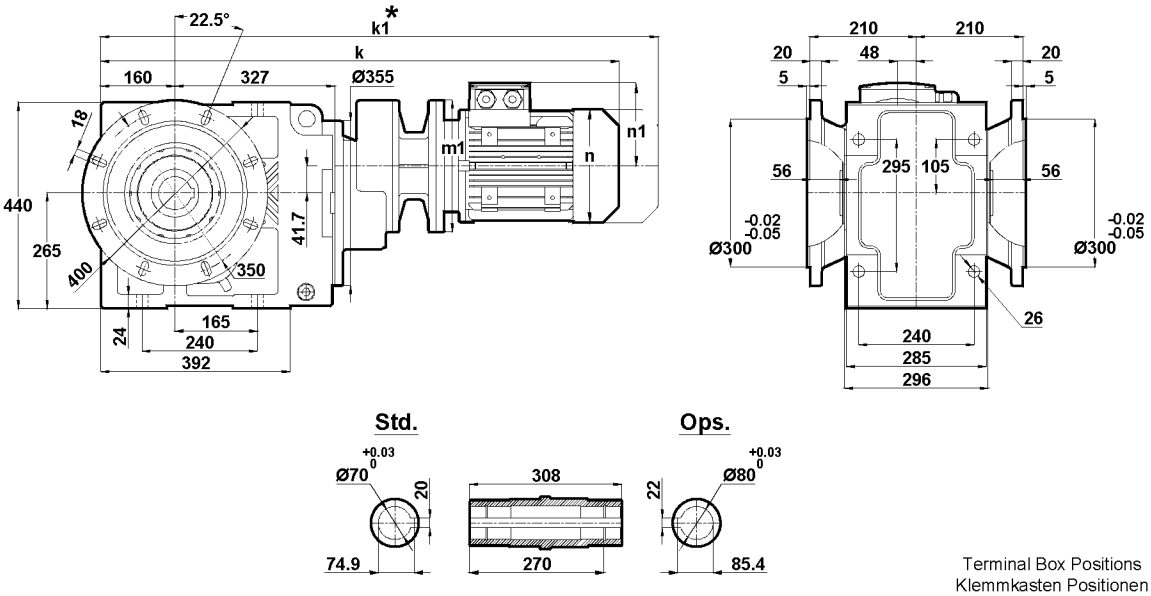


** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

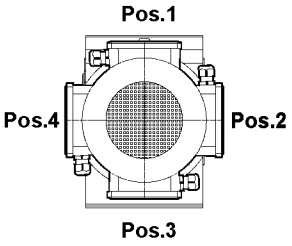
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV674.08



	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	879.5	920.5	920.5	974.5
k1	972.5	1024	1024	1083
n / n1	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

Terminal Box Positions
Klemmkasten Positionen



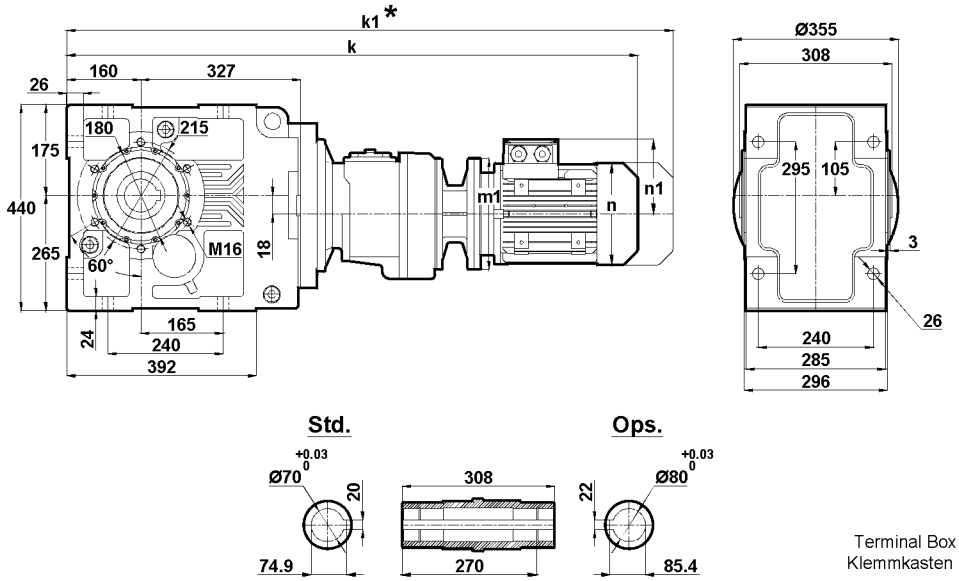
80-90-100
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

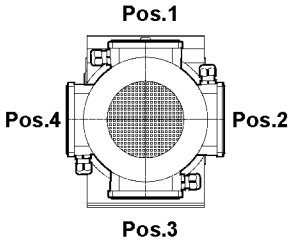
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV675.00
KV676.00



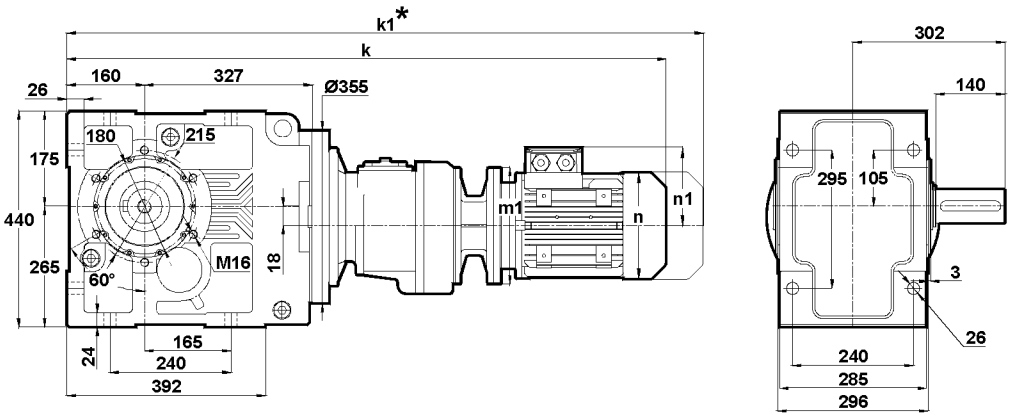
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

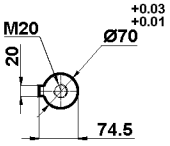
Terminal Box Positions
Klemmkasten Positionen



71-80-90
Type / Typ

KV675.01
KV676.01

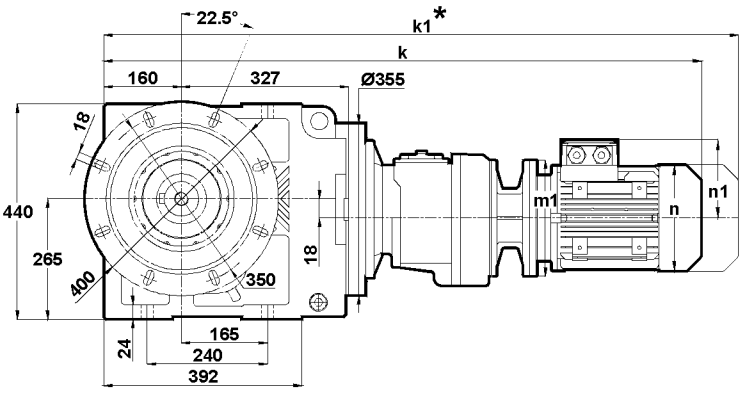


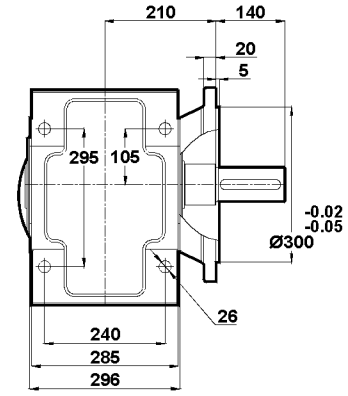


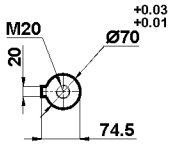
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV675.02
KV676.02

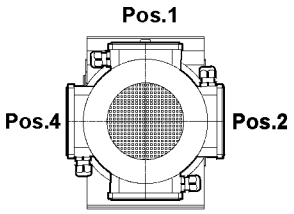






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

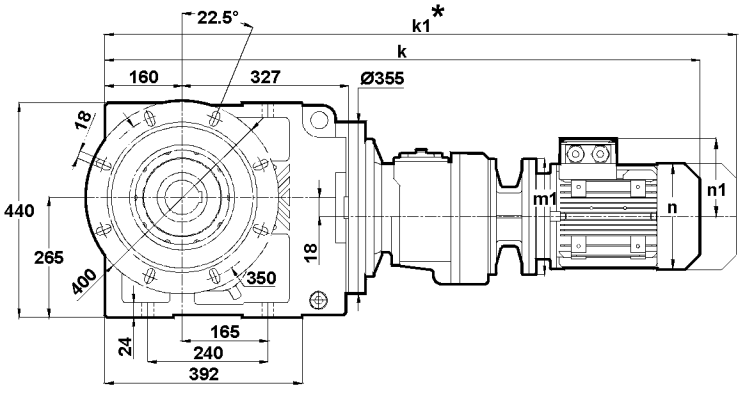
Terminal Box Positions
Klemmkasten Positionen

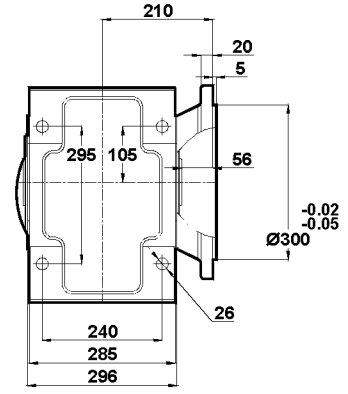


71-80-90
Type / Typ

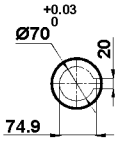
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

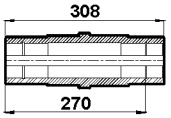
KV675.03
KV676.03



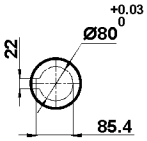


Std.





Ops.



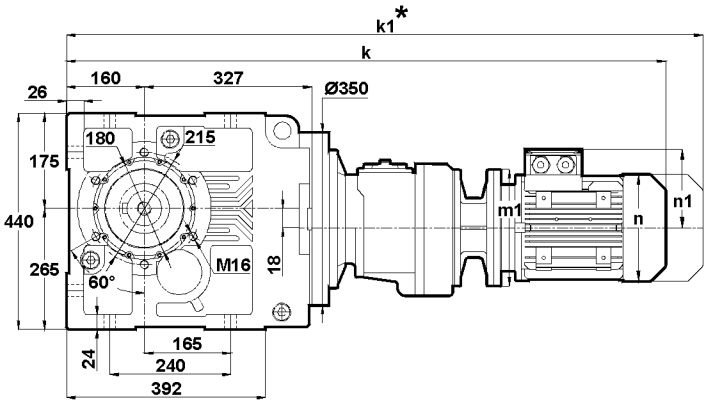
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

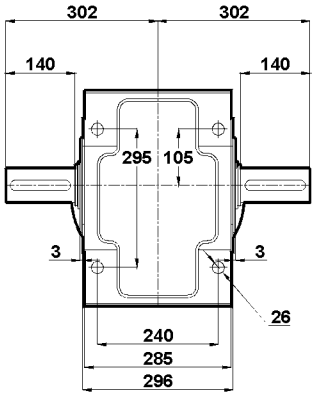
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

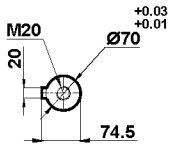
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV675.04
KV676.04

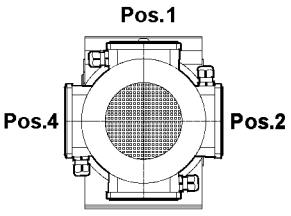






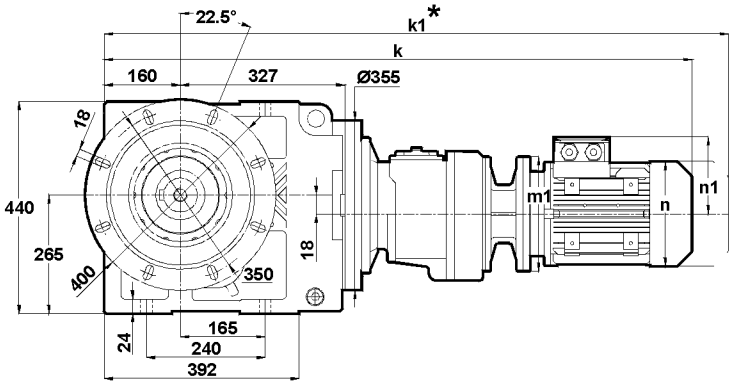
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

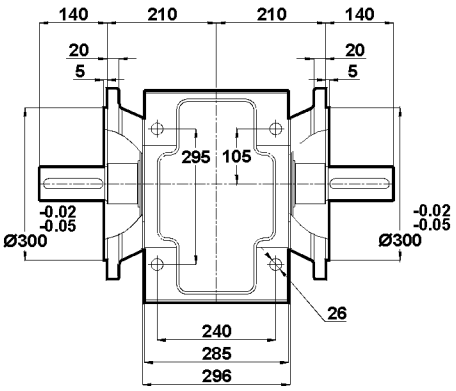
Terminal Box Positions
Klemmkasten Positionen

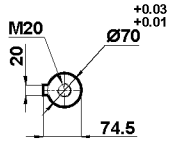


71-80-90
Type / Typ

KV675.05
KV676.05







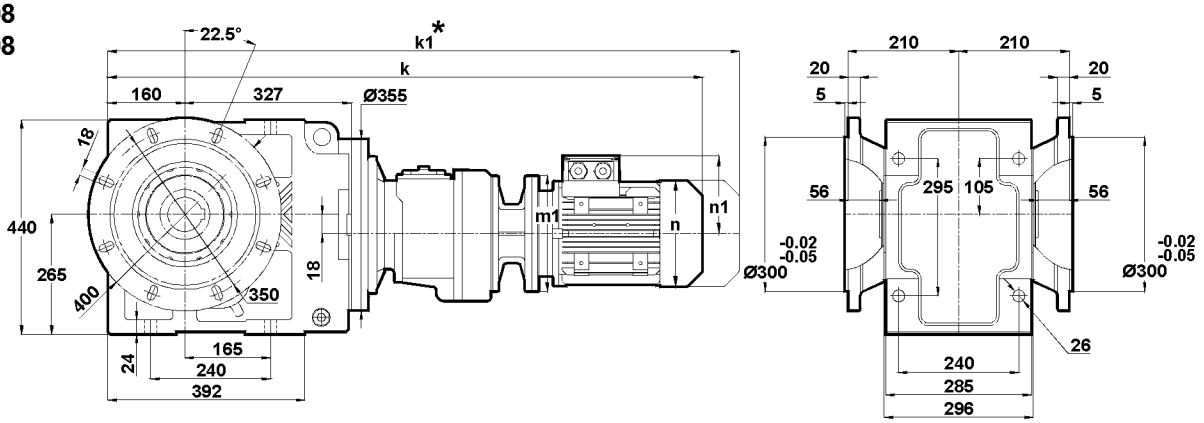
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

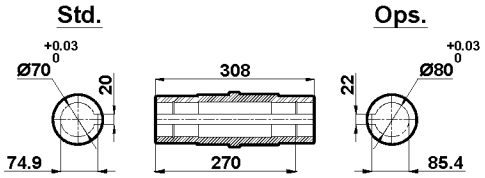
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

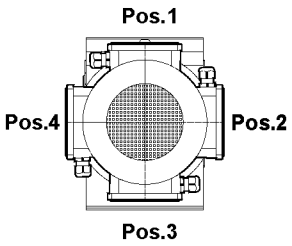
KV675.08
KV676.08





	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1007.5	1030.5	1071.5	1071.5
k1	1098.5	1123.5	1175	1175
n / n1	137 / 112	155 / 123	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

Terminal Box Positions
Klemmkasten Positionen



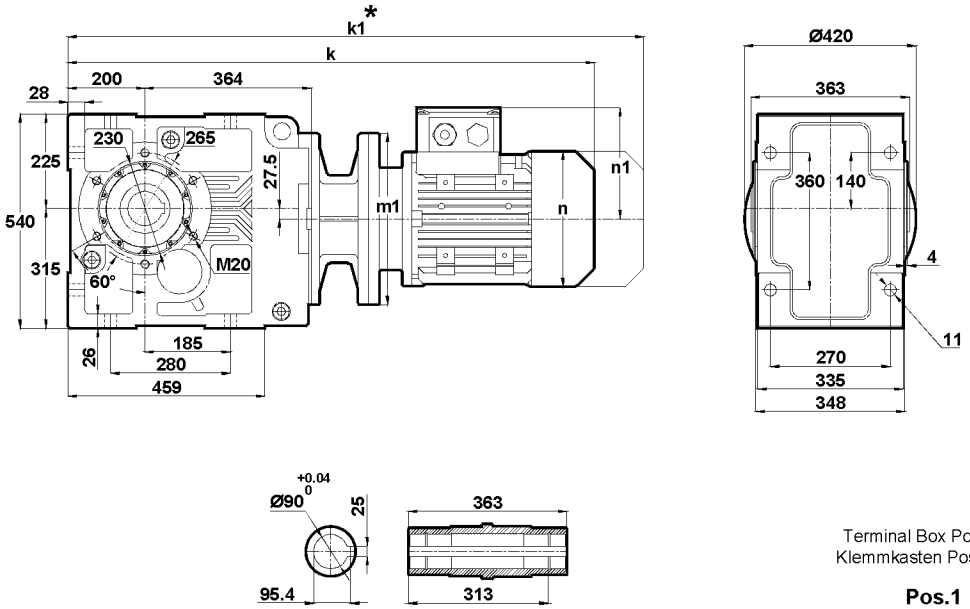
71-80-90
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

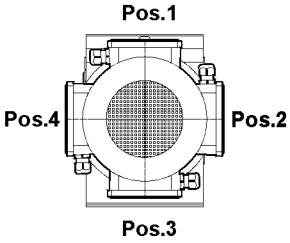
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV773.00



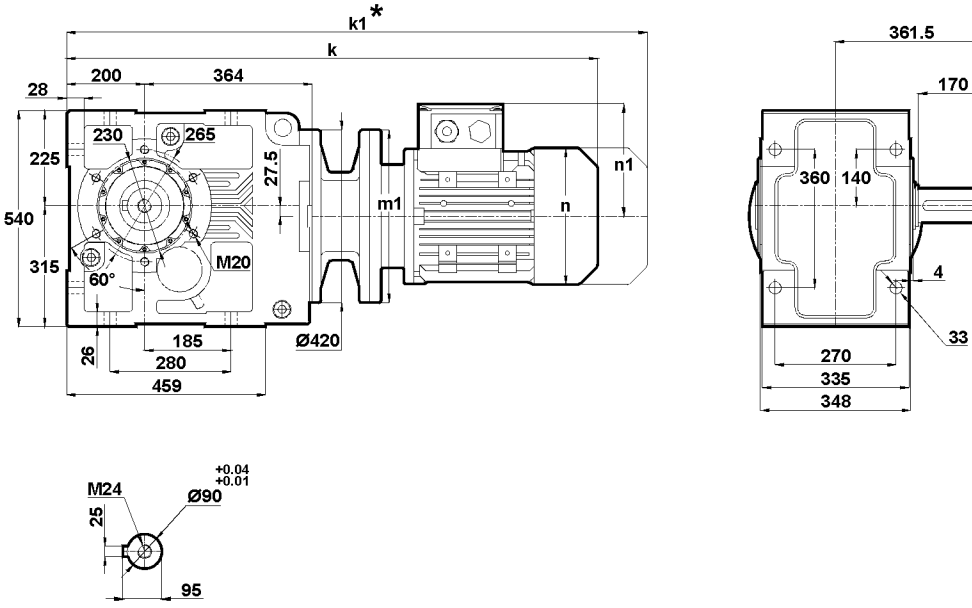
Terminal Box Positions
Klemmkasten Positionen



132-160-180-200-225-250
Type / Typ

	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

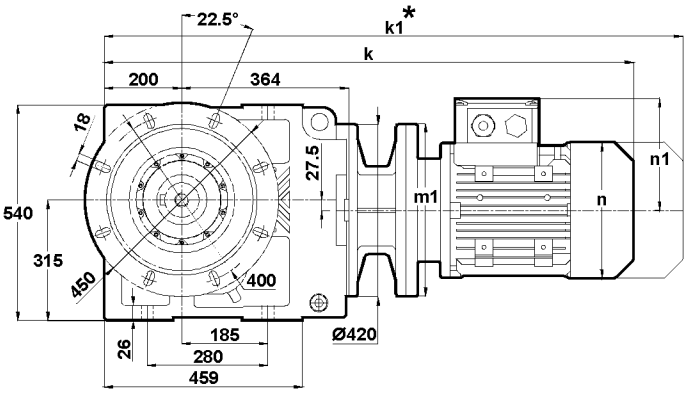
KV773.01

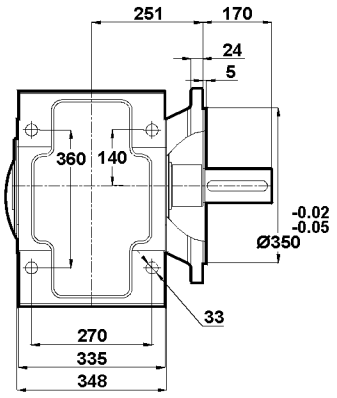


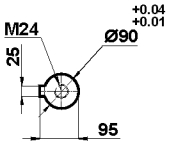
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

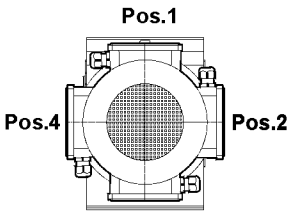
KV773.02







Terminal Box Positions
Klemmkasten Positionen

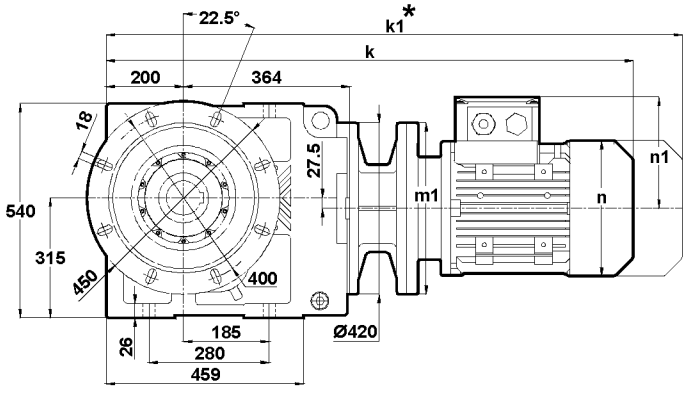


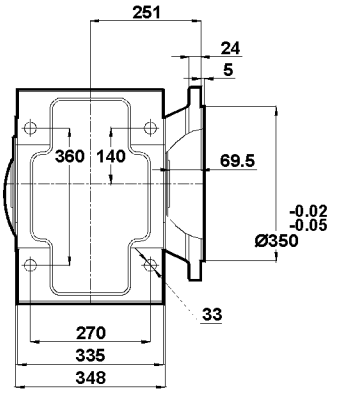
132-160-180-200-225-250
Type / Typ

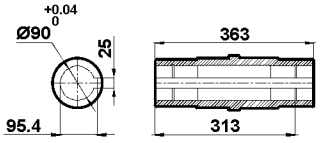
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV773.03







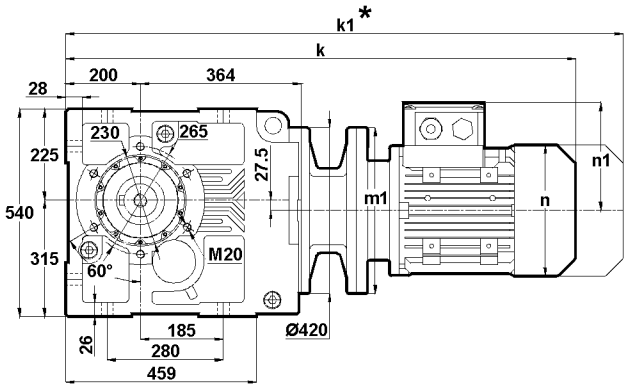
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

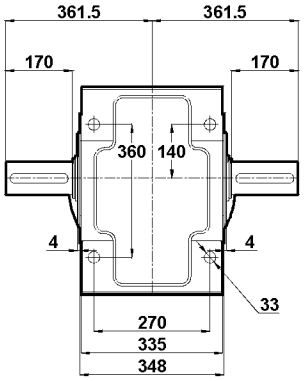
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

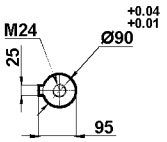
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

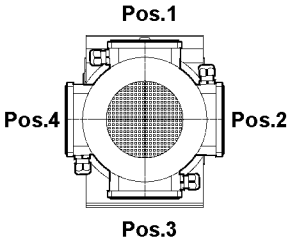
KV773.04







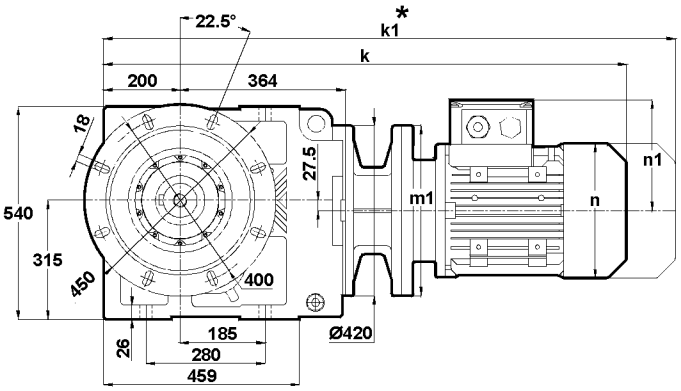
Terminal Box Positions
Klemmkasten Positionen

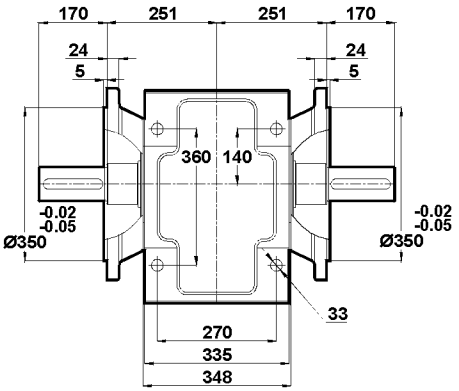


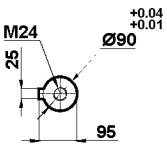
132-160-180-200-225-250
Type / Typ

	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

KV773.05







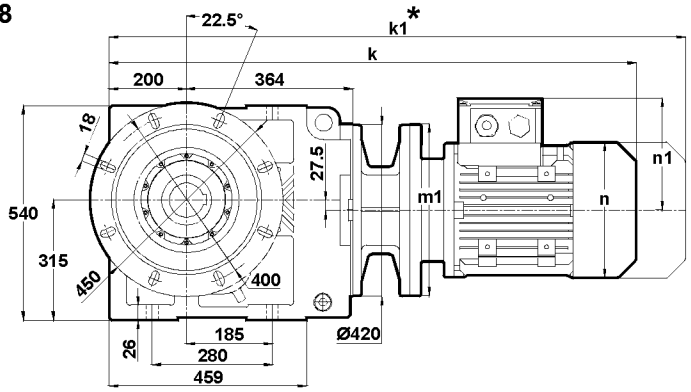
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

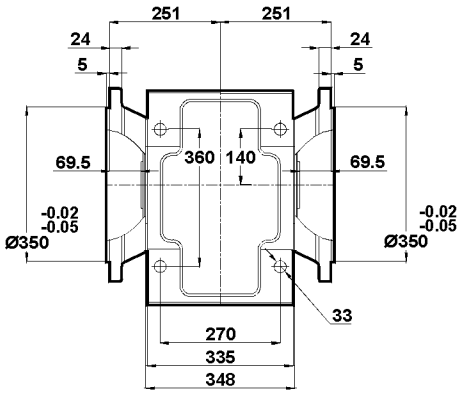
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

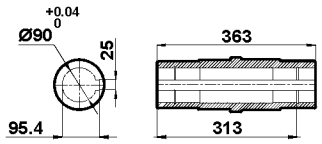
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV773.08

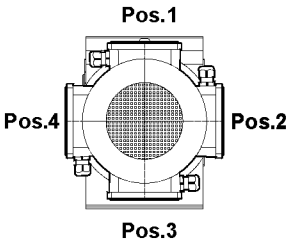






	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1062.5	1062.5	1212	1212	1300	1300	1376	1447	1472	1548
k1	1192.5	1192.5	1360	1360	1458.5	1458.5	1562.5	1612	1637	1718.5
n / n1	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



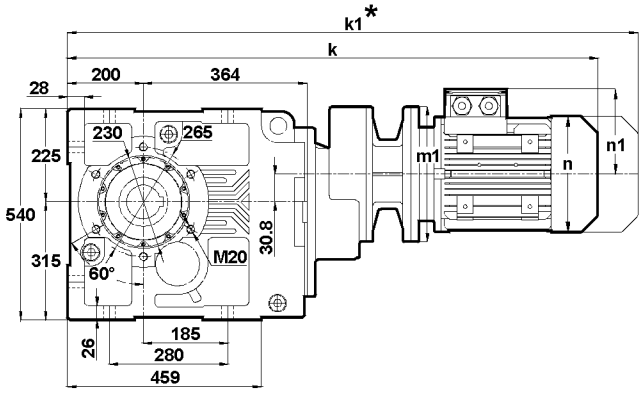
132-160-180-200-225-250
Type / Typ

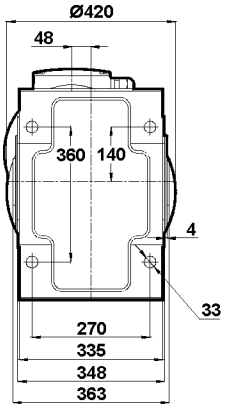
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

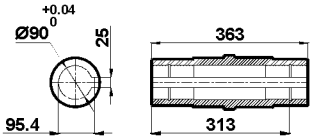
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV774.00

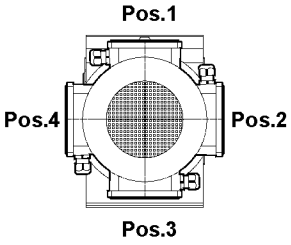






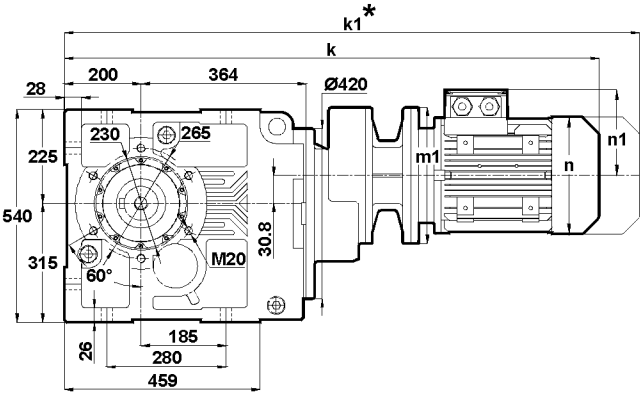
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

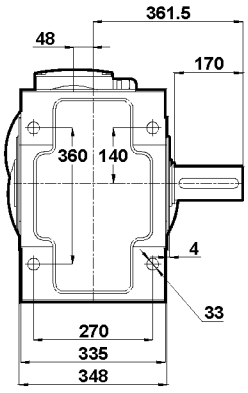
Terminal Box Positions
Klemmkasten Positionen

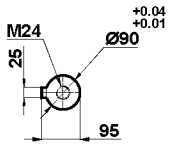


90-100-112-132
Type / Typ

KV774.01



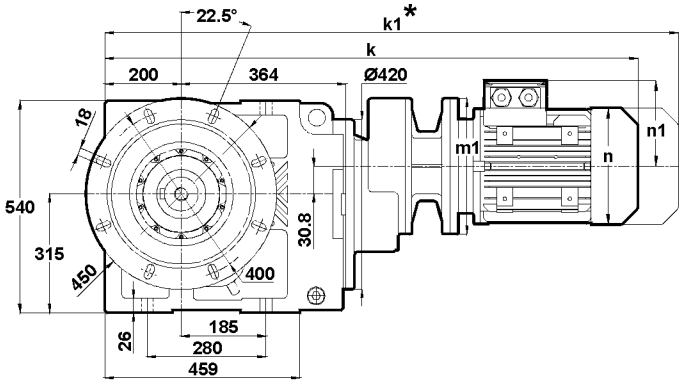


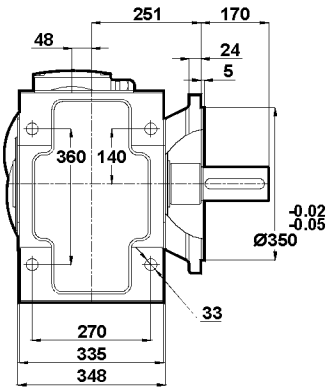


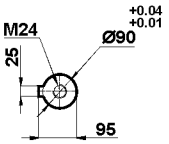
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV774.02

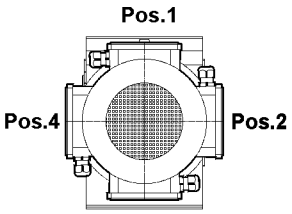






	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

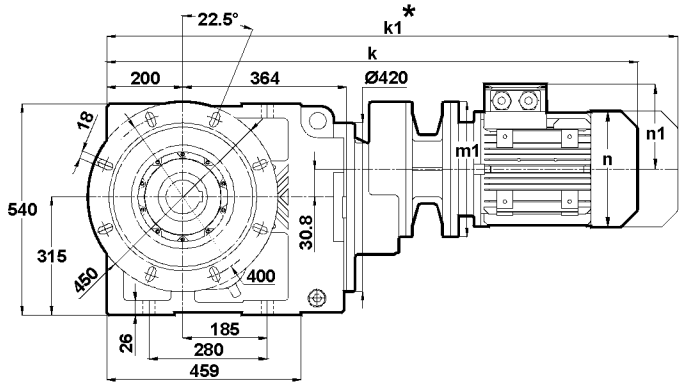
Terminal Box Positions
Klemmkasten Positionen

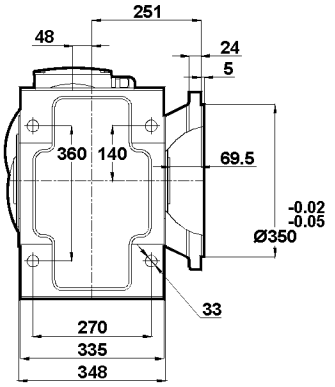


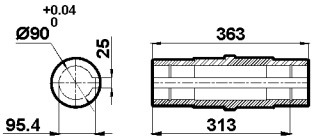
90-100-112-132
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV774.03







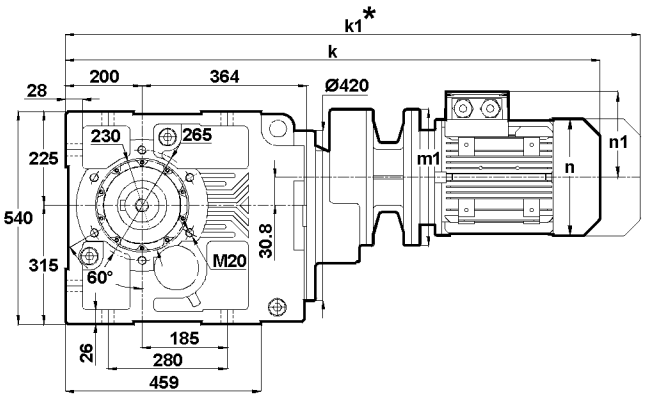
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

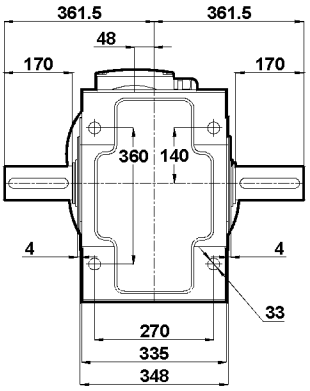
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

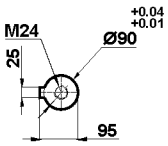
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV774.04

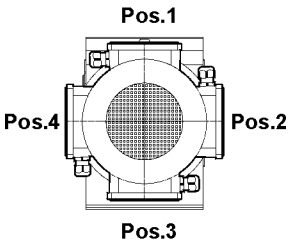






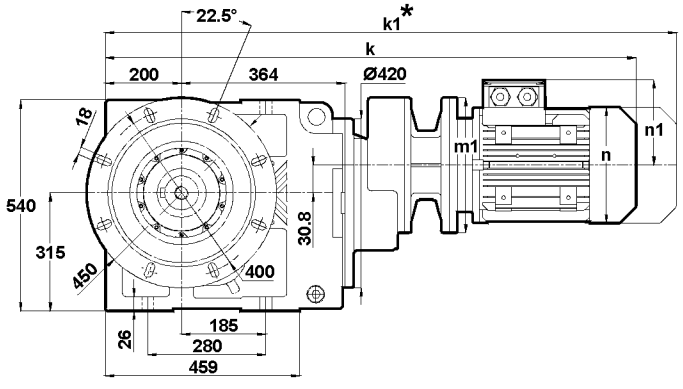
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

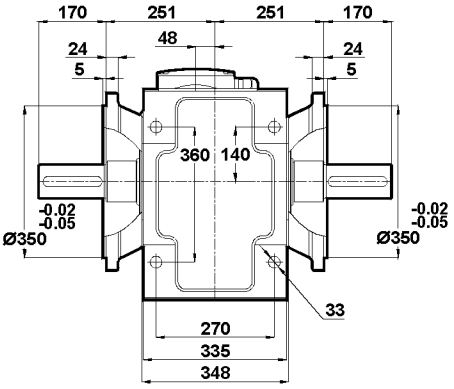
Terminal Box Positions
Klemmkasten Positionen

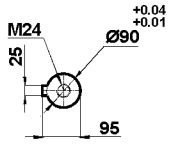


90-100-112-132
Type / Typ

KV774.05







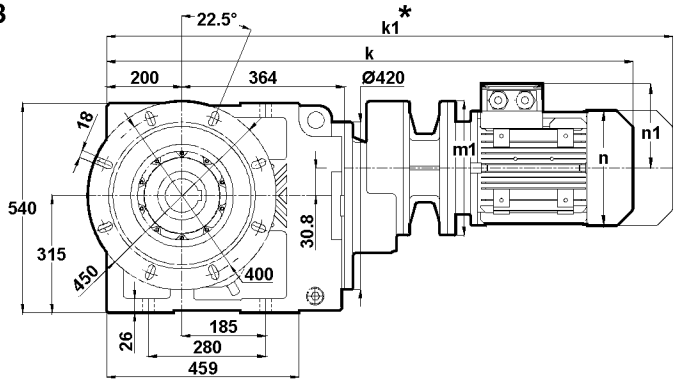
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

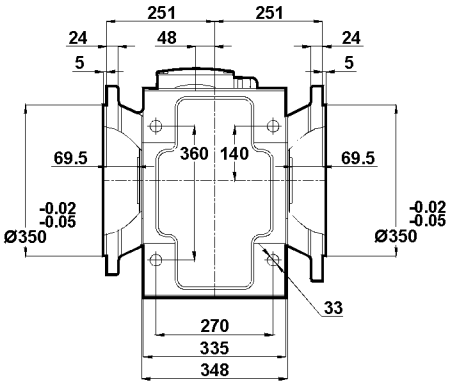
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

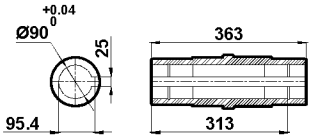
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV774.08

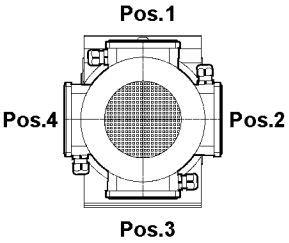






	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	997.5	997.5	1051.5	1072	1174.5	1174.5
k1	1101	1101	1160	1176.5	1304.5	1304.5
n / n1	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

Terminal Box Positions
Klemmkasten Positionen



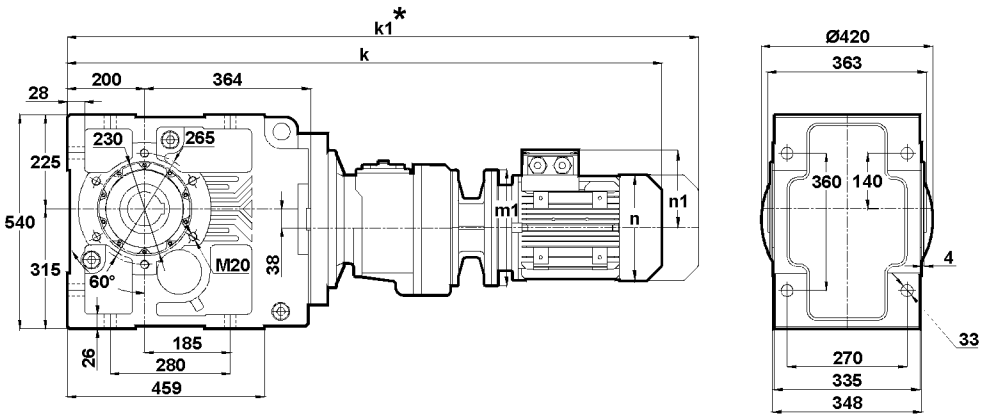
90-100-112-132
Type / Typ

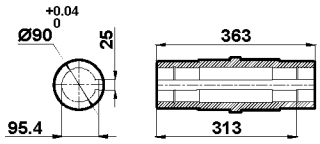
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

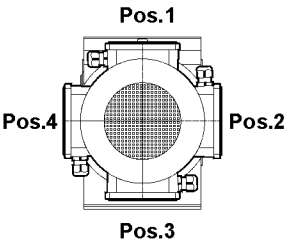
KV775.00
KV776.00





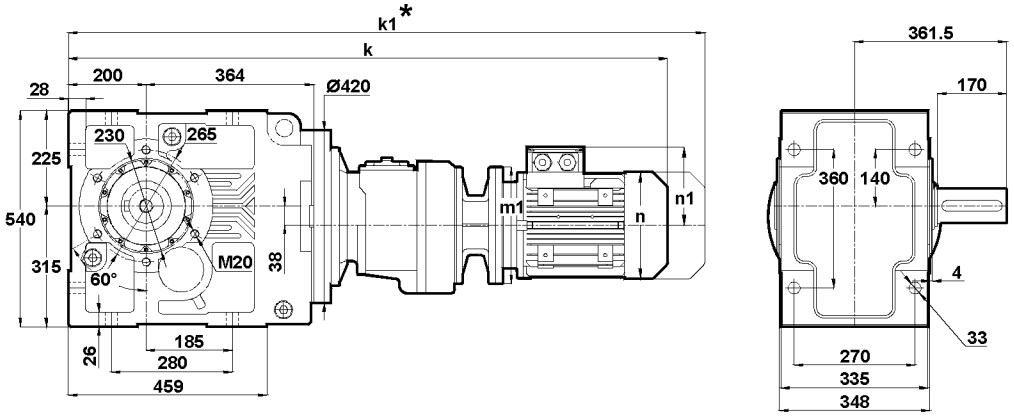
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

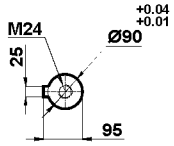
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100
Type / Typ

KV775.01
KV776.01

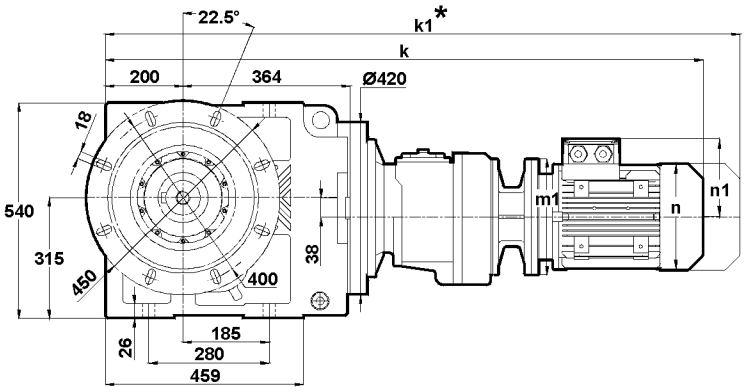


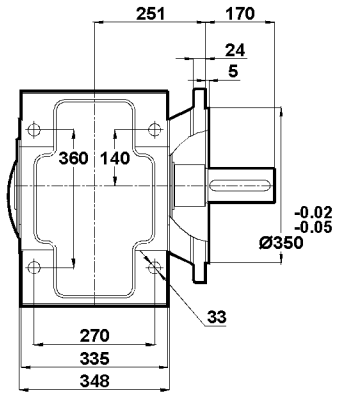


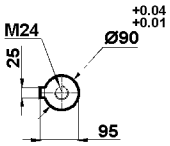
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV775.02
KV776.02

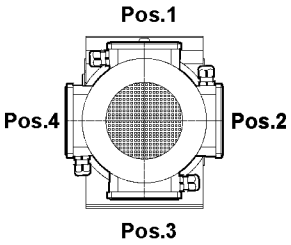






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

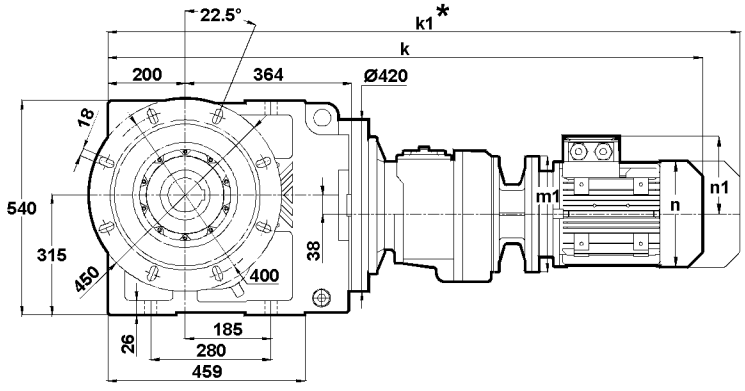
Terminal Box Positions
Klemmkasten Positionen

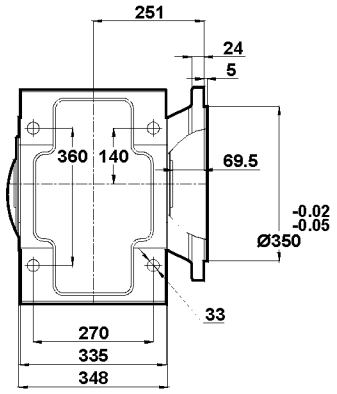


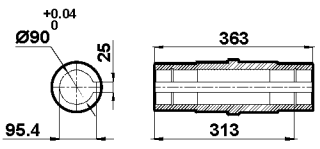
71-80-90-100
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV775.03
KV776.03







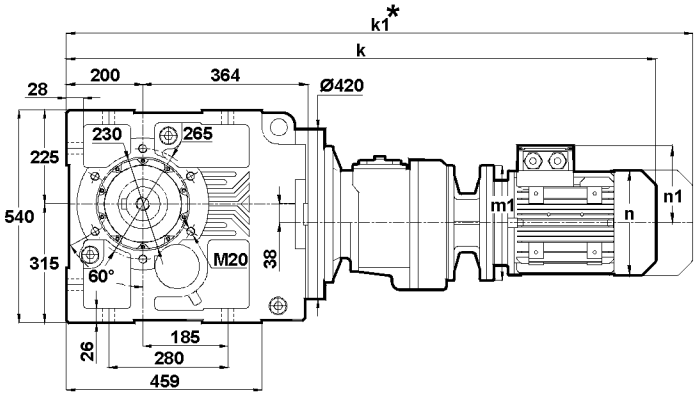
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

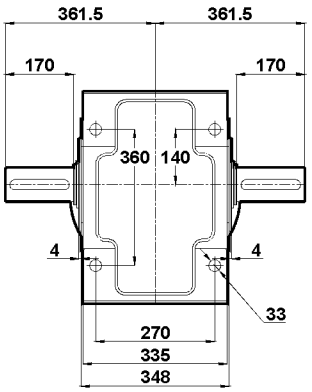
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

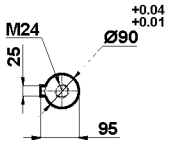
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV775.04
KV776.04

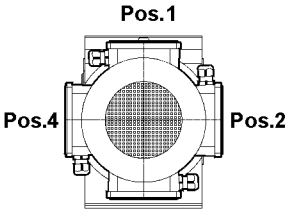






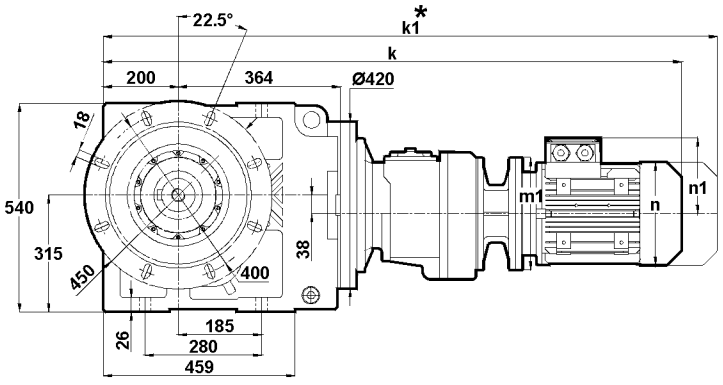
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

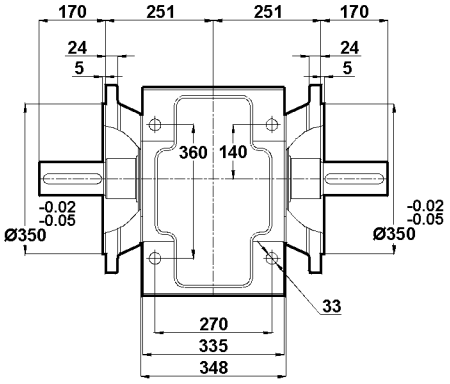
Terminal Box Positions
Klemmkasten Positionen

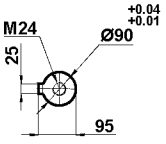


71-80-90-100
Type / Typ

KV775.05
KV776.05







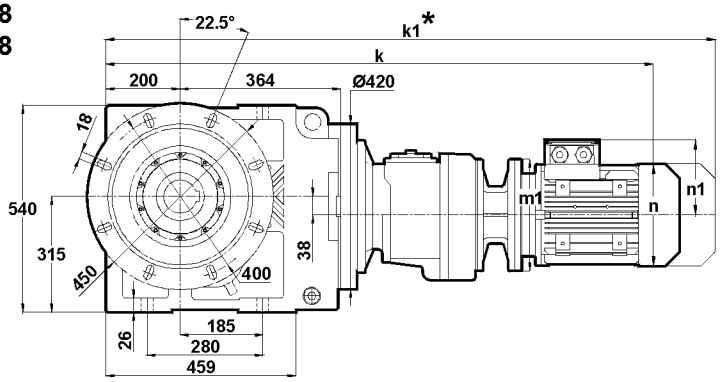
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

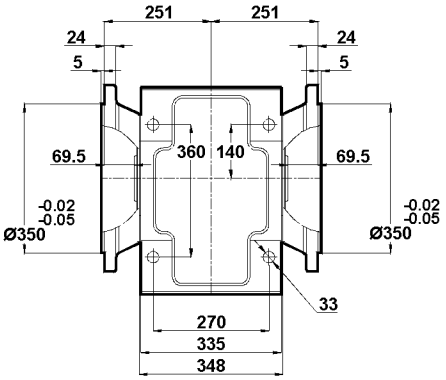
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

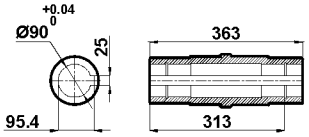
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV775.08
KV776.08

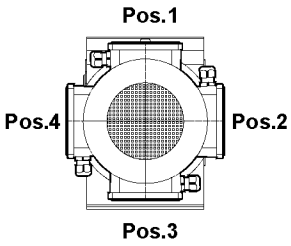






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1084.5	1107.5	1148.5	1148.5	1201
k1	1175.5	1200.5	1252	1252	1309.5
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

Terminal Box Positions
Klemmkasten Positionen



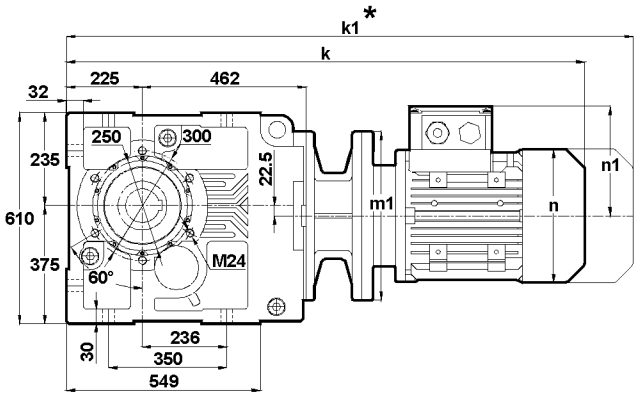
71-80-90-100
Type / Typ

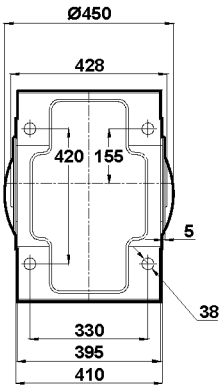
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

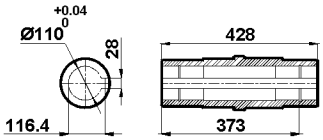
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV873.00

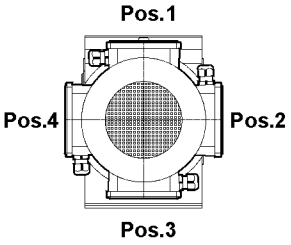






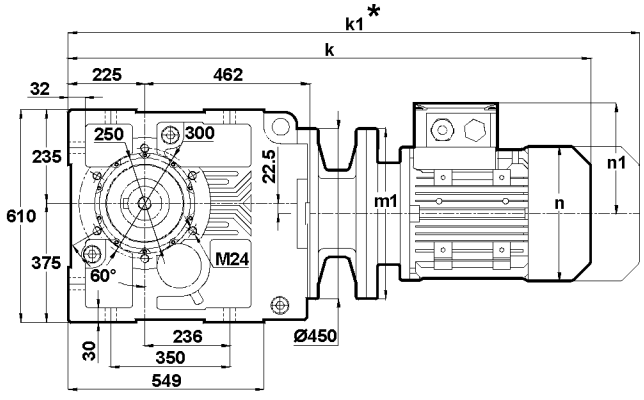
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

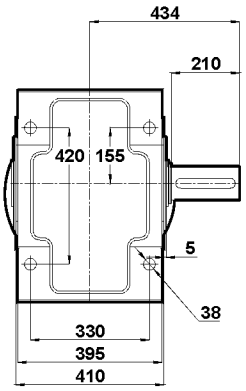
Terminal Box Positions
Klemmkasten Positionen

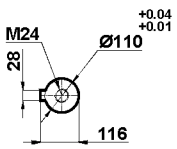


160-180-200-225-250-280
Type / Typ

KV873.01



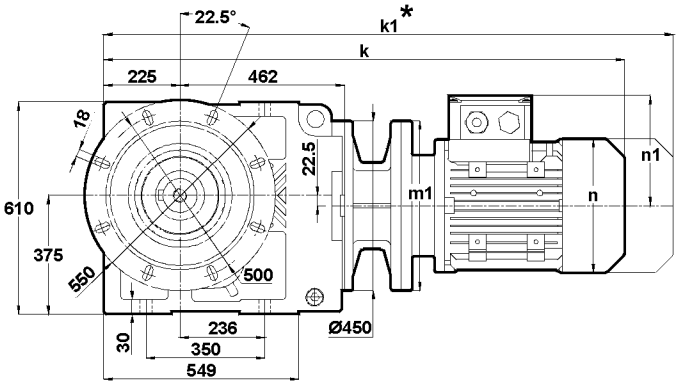


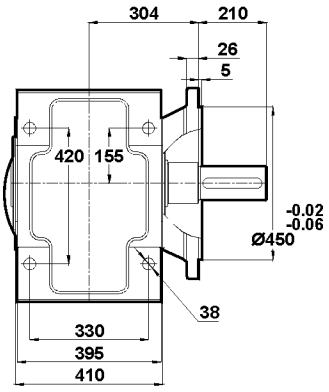


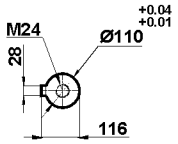
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

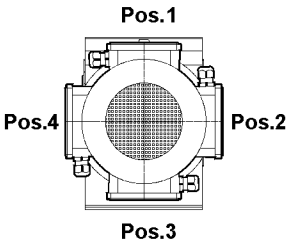
KV873.02







Terminal Box Positions
Klemmkasten Positionen

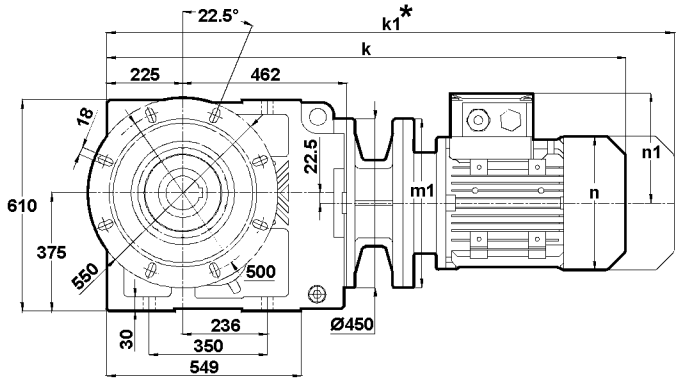


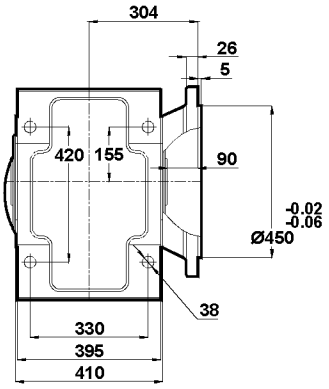
160-180-200-225-250-280
Type / Typ

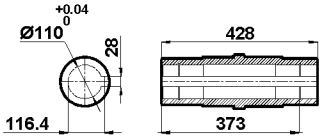
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV873.03







Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

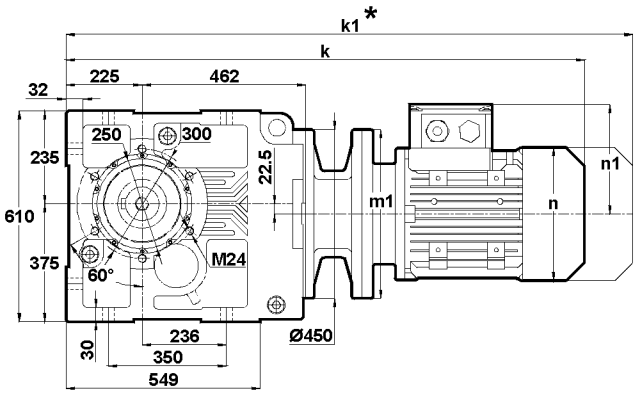
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

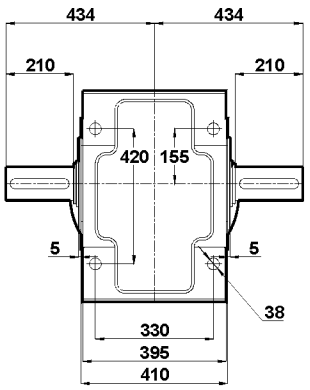
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

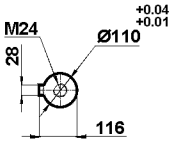
Dimension Pages
Abmessungsseiten

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV873.04

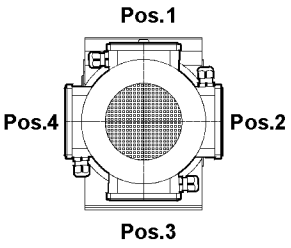






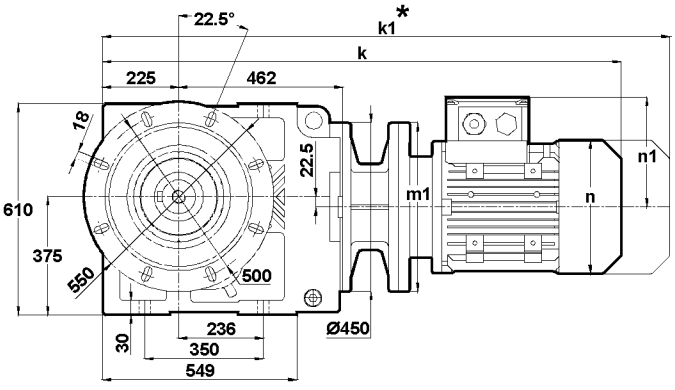
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

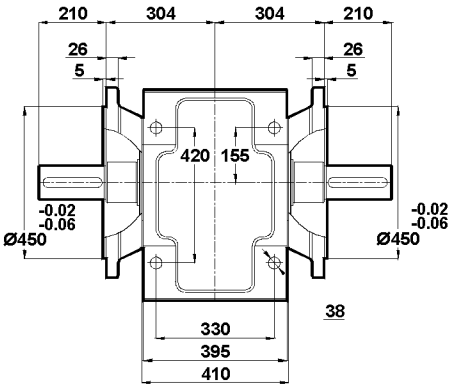
Terminal Box Positions
Klemmkasten Positionen

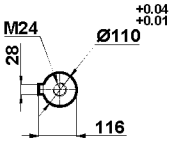


160-180-200-225-250-280
Type / Typ

KV873.05







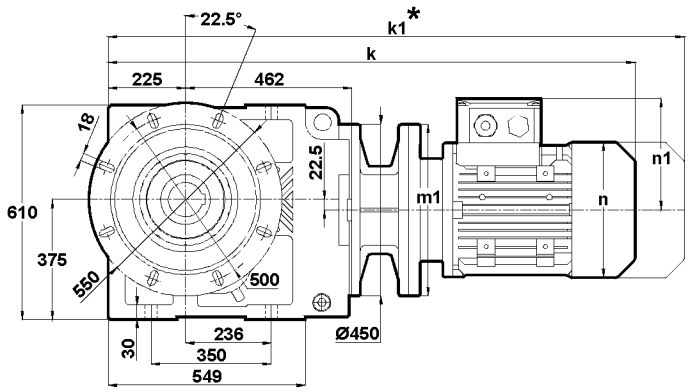
Please see on page 587 for optional flange dimensions
Siehe Seite 587 für auswählbare Flanschabmessungen.

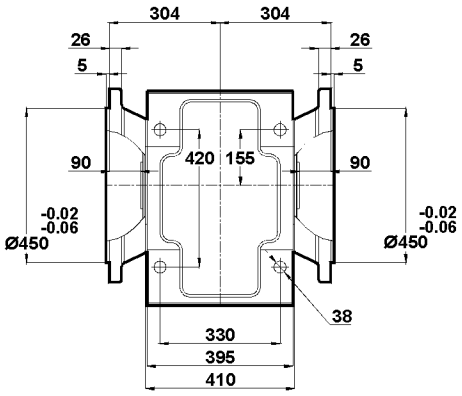
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

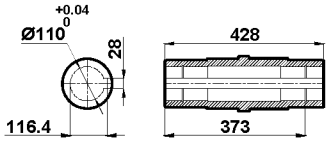
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV873.08

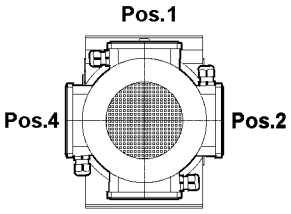






	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1488	1488	1542	1560	1585	1661	1723	1723
k1	1548	1548	1646.5	1646.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 /287	438 / 315,5	438 / 315,5	481 / 335	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



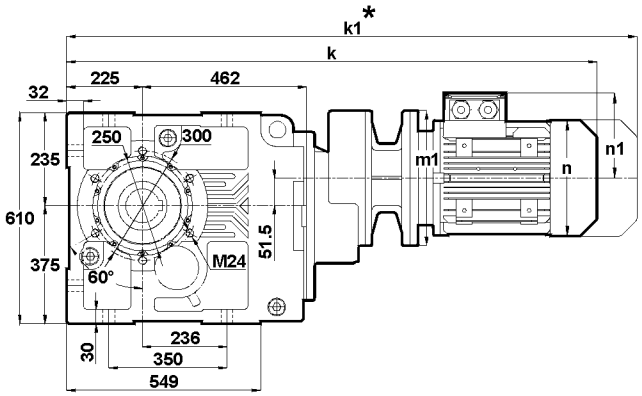
160-180-200-225-250-280
Type / Typ

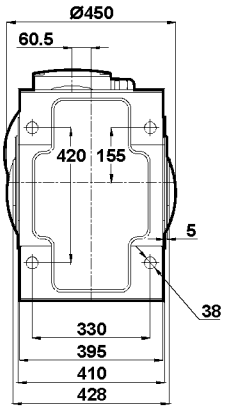
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

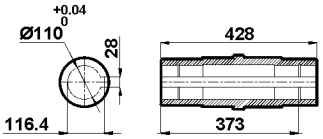
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV874.00

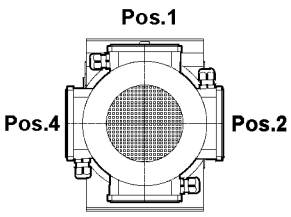






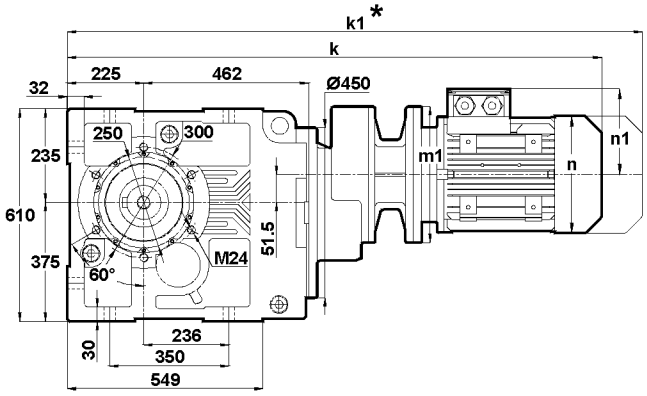
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

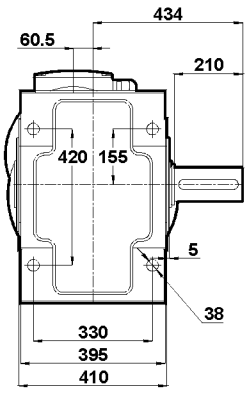
Terminal Box Positions
Klemmkasten Positionen

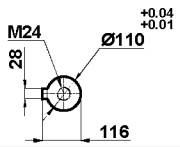


100-112-132-160-180
Type / Typ

KV874.01



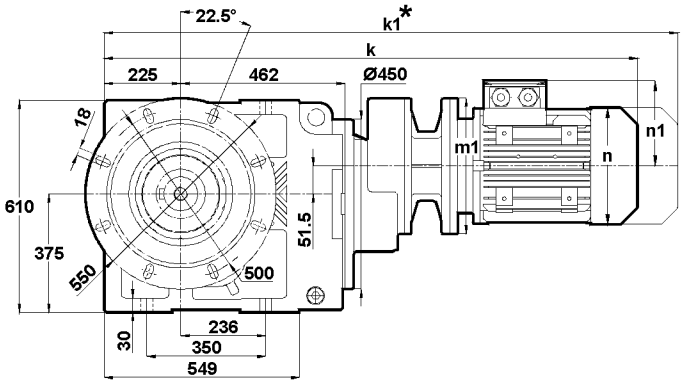


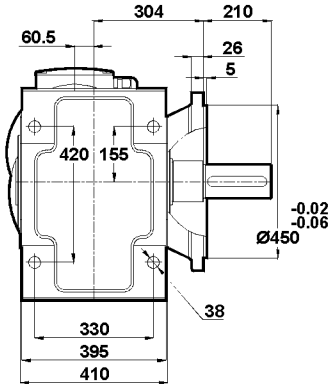


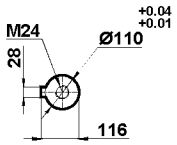
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

KV874.02

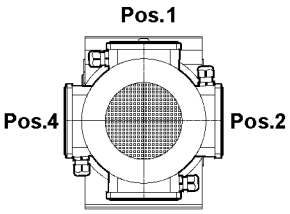






	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

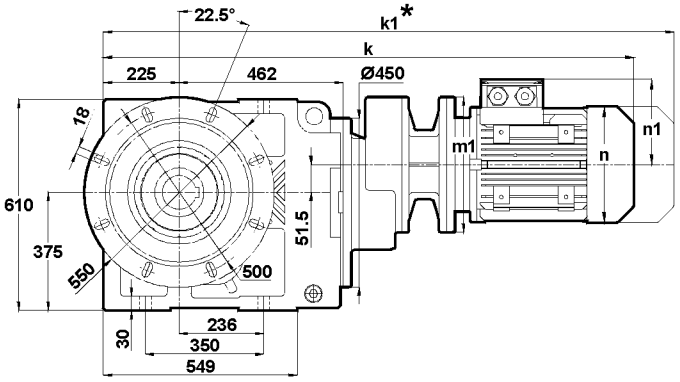
Terminal Box Positions
Klemmkasten Positionen

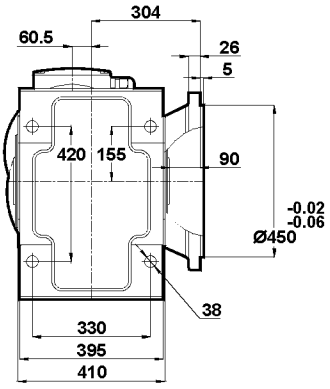


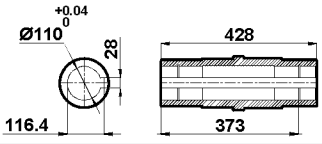
100-112-132-160-180
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV874.03







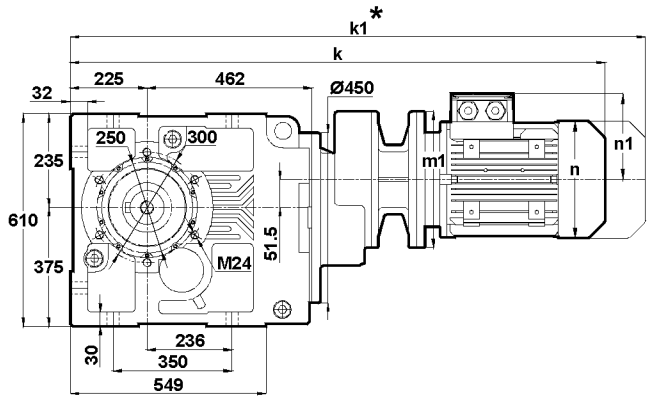
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

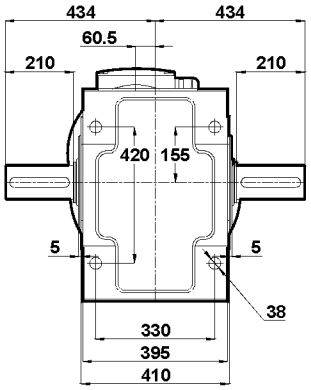
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

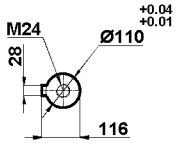
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV874.04

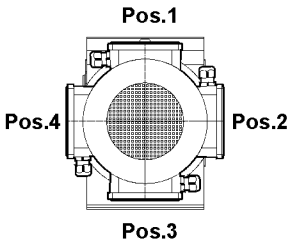






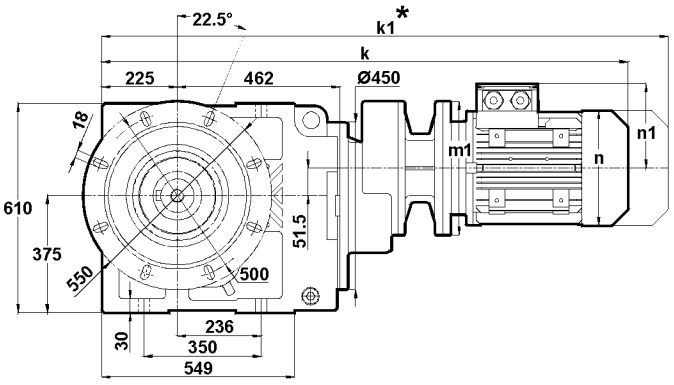
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

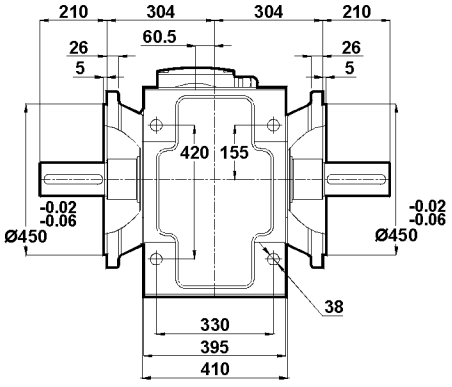
Terminal Box Positions
Klemmkasten Positionen

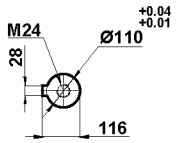


100-112-132-160-180
Type / Typ

KV874.05







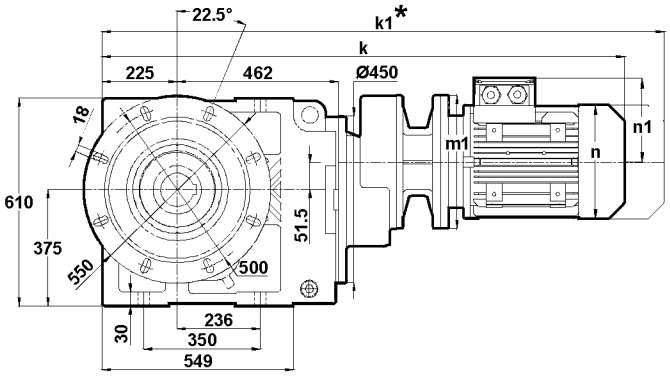
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

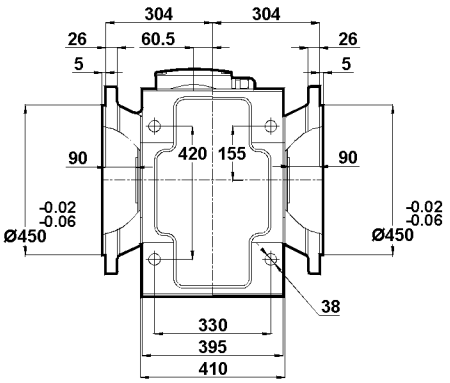
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

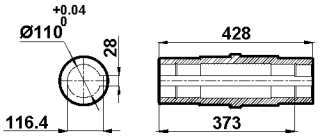
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV874.08

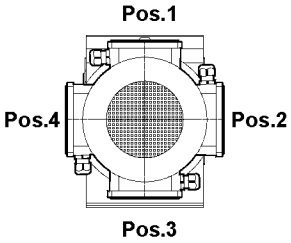






	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1208.5	1313.5	1313.5	1469	1469	1557
k1	1296.5	1313	1443.5	1443.5	1617	1617	1715.5
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

Terminal Box Positions
Klemmkasten Positionen



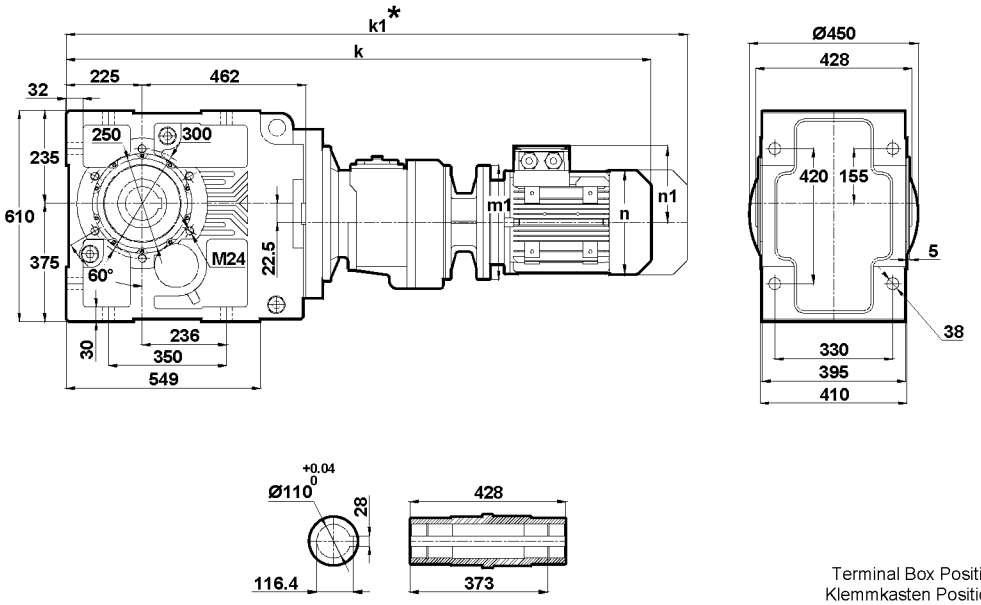
100-112-132-160-180
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

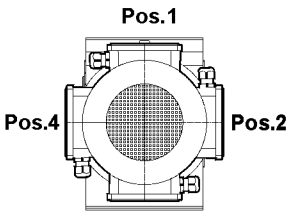
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV875.00
KV876.00



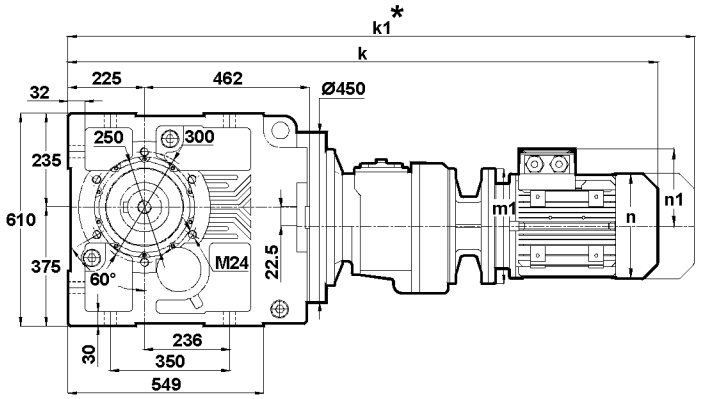
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

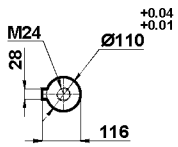
Terminal Box Positions
Klemmkasten Positionen



71-80-90-100-112
Type / Typ

KV875.01
KV876.01

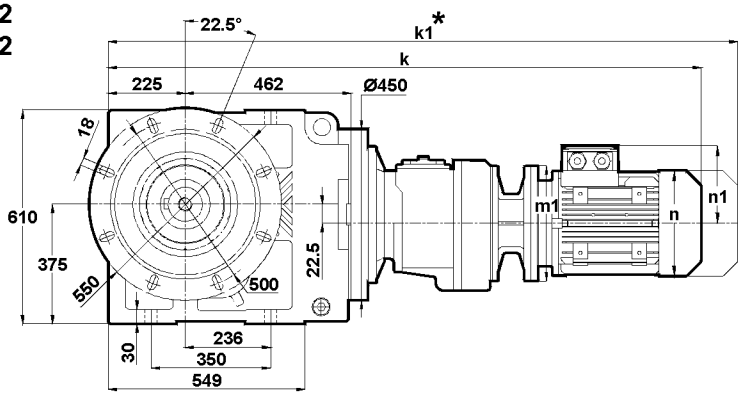


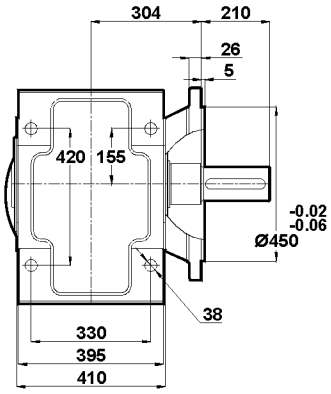


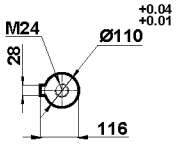
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV875.02
KV876.02

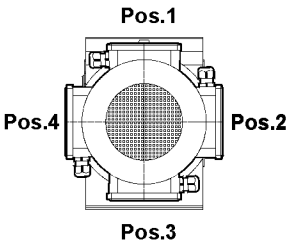






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

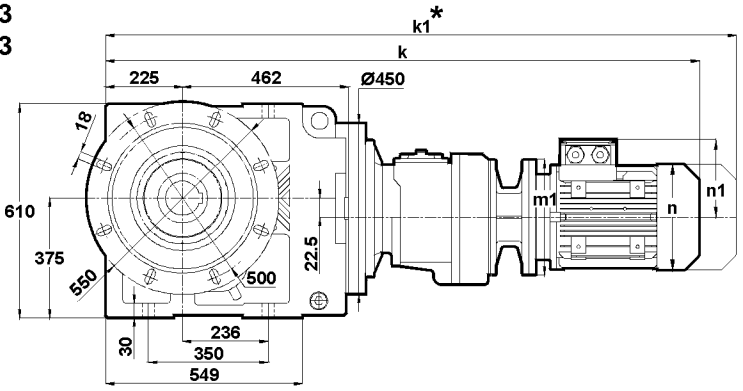
Terminal Box Positions
Klemmkasten Positionen

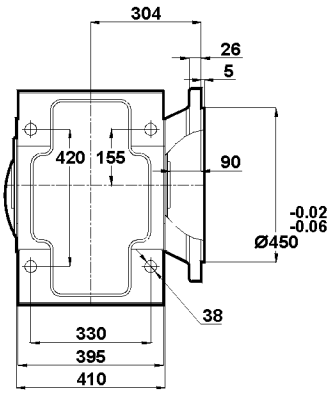


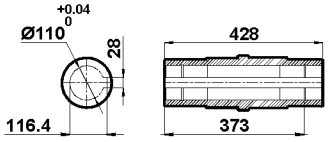
71-80-90-100-112
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KV875.03
KV876.03







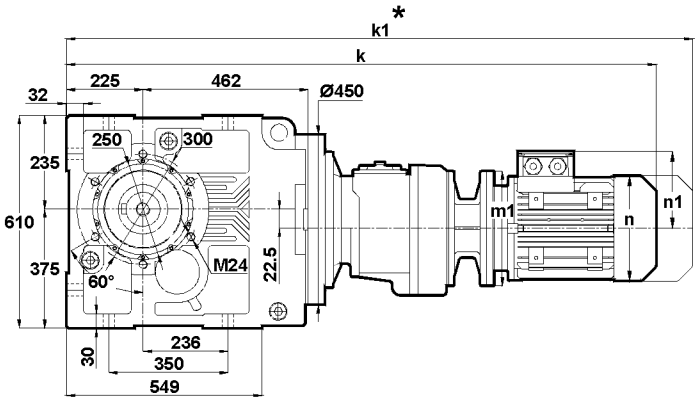
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

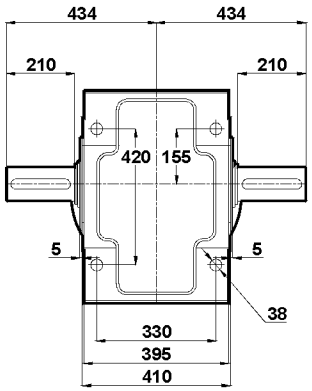
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

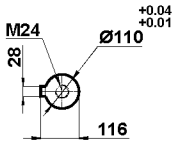
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV875.04
KV876.04

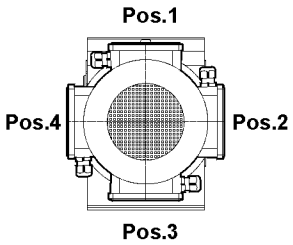






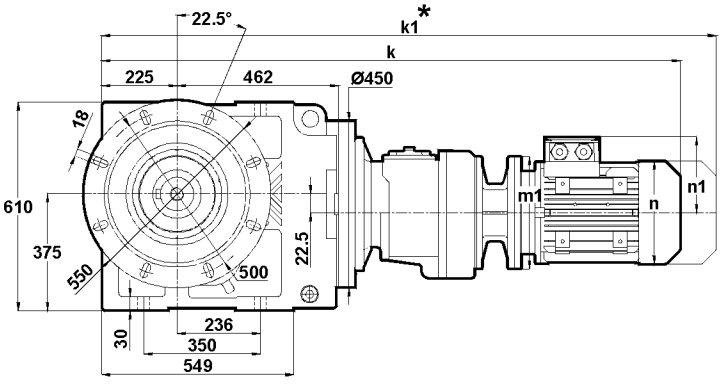
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

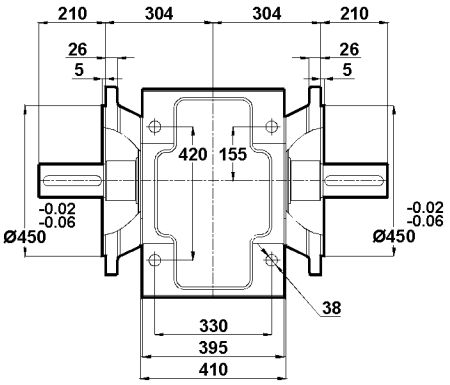
Terminal Box Positions
Klemmkasten Positionen

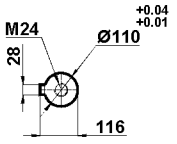


71-80-90-100-112
Type / Typ

KV875.05
KV876.05







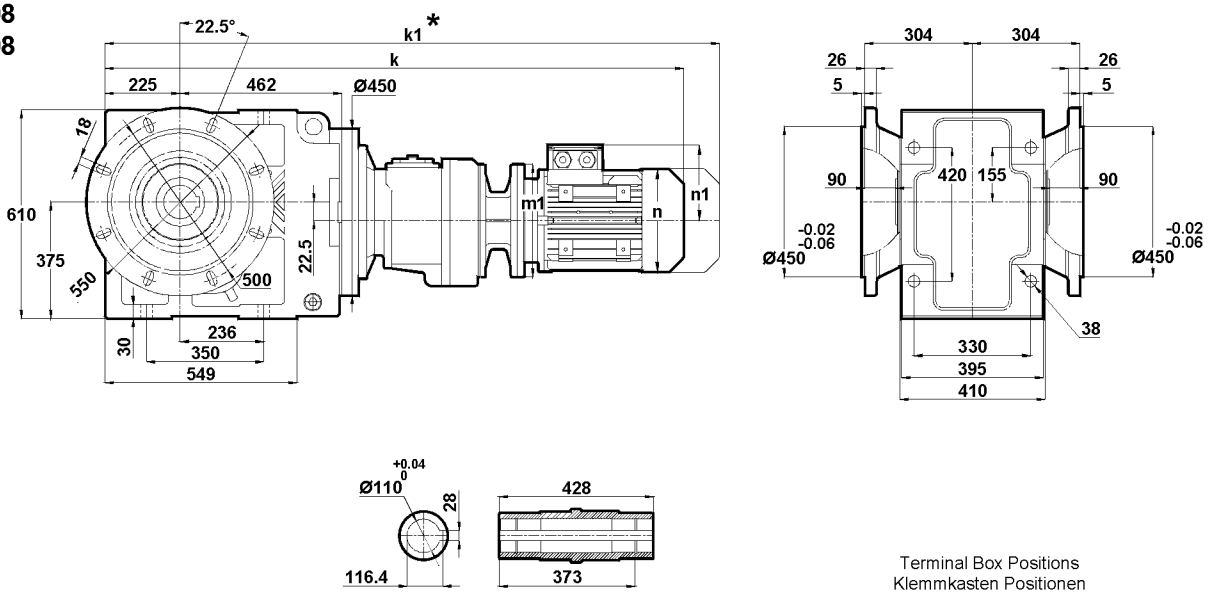
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

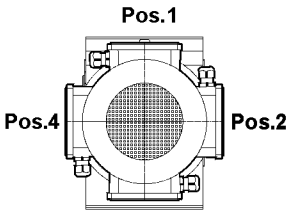
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV875.08
KV876.08



	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1207.5	1230.5	1271.5	1271.5	1324	1344.5
k1	1298.5	1323.5	1375	1375	1432.5	1449
n / n1	137 / 112	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

Terminal Box Positions
Klemmkasten Positionen



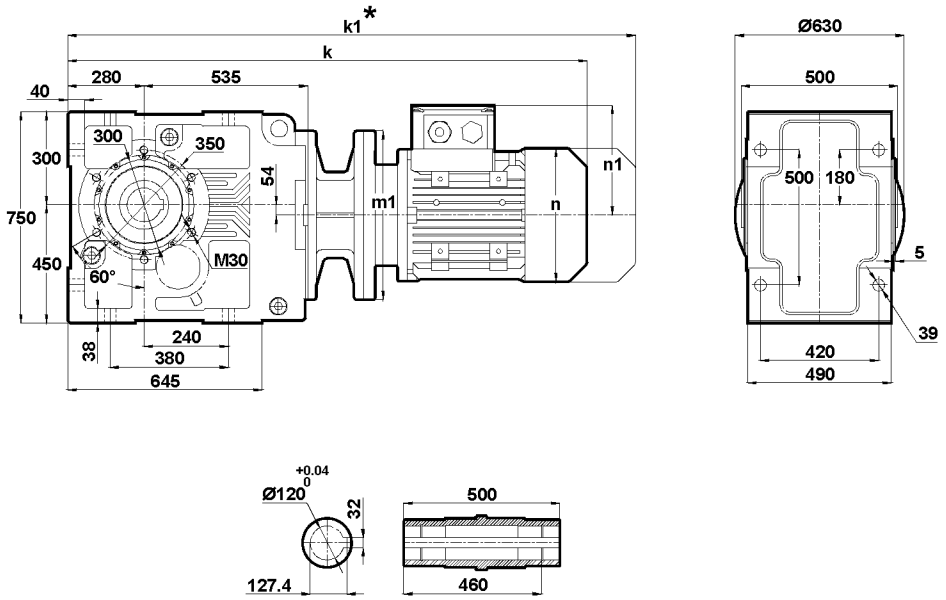
71-80-90-100-112
Type / Typ

Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

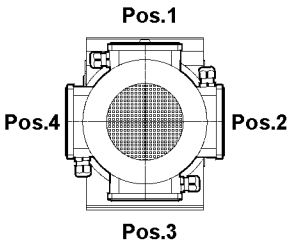
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV973.00



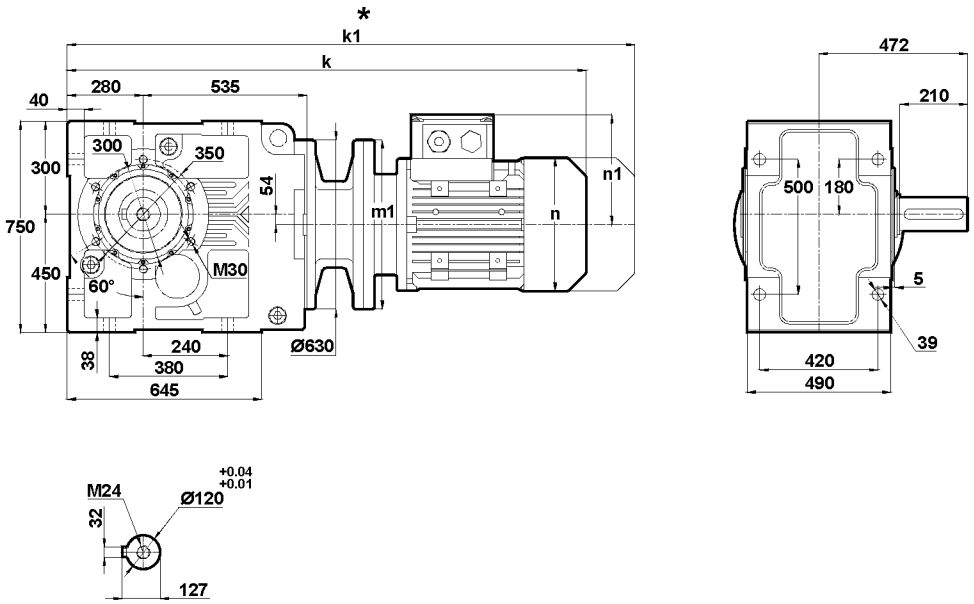
Terminal Box Positions
Klemmkasten Positionen



160-180-200-225-250-280-315
Type / Typ

	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

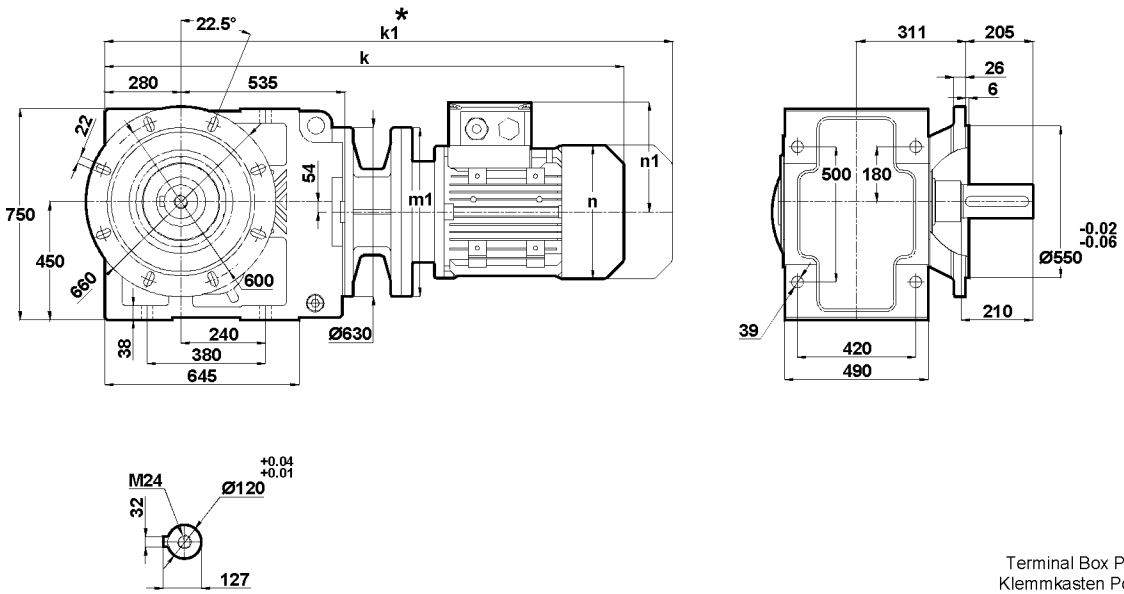
KV973.01



	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

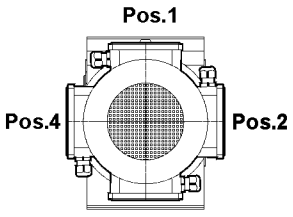
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV973.02



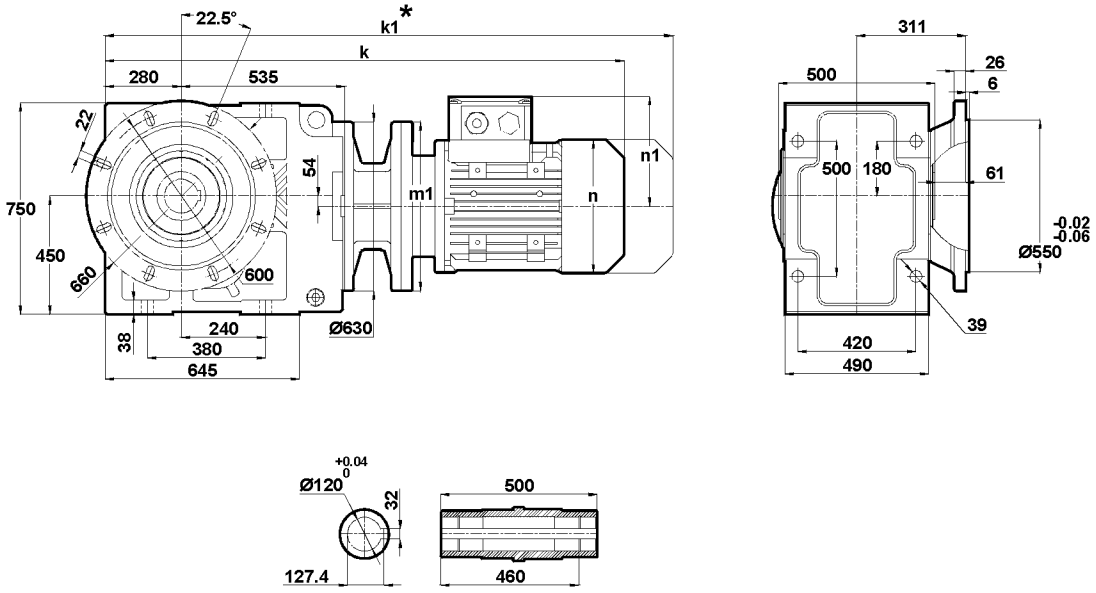
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



160-180-200-225-250-280-315
Type / Typ

KV973.03



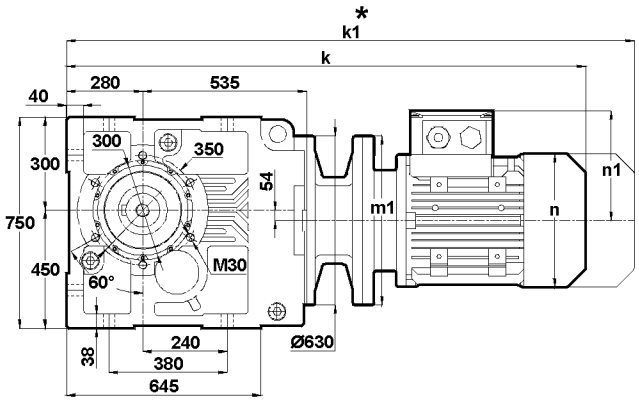
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

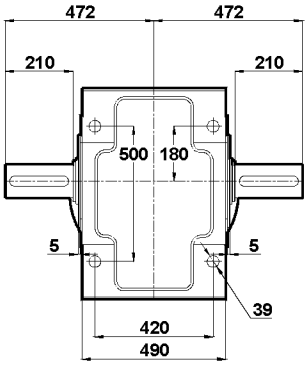
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

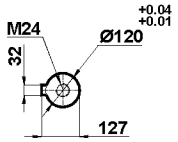
Dimension Pages
Abmessungsseiten

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV973.04

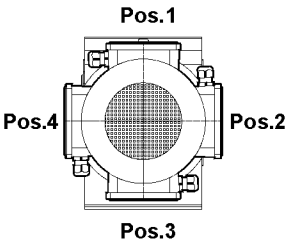






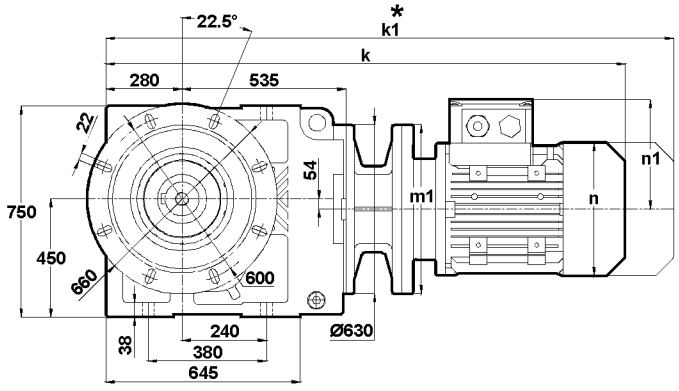
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

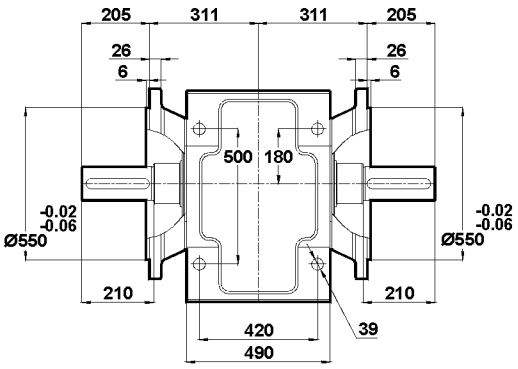
Terminal Box Positions
Klemmkasten Positionen

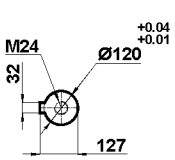


160-180-200-225-250-280-315
Type / Typ

KV973.05





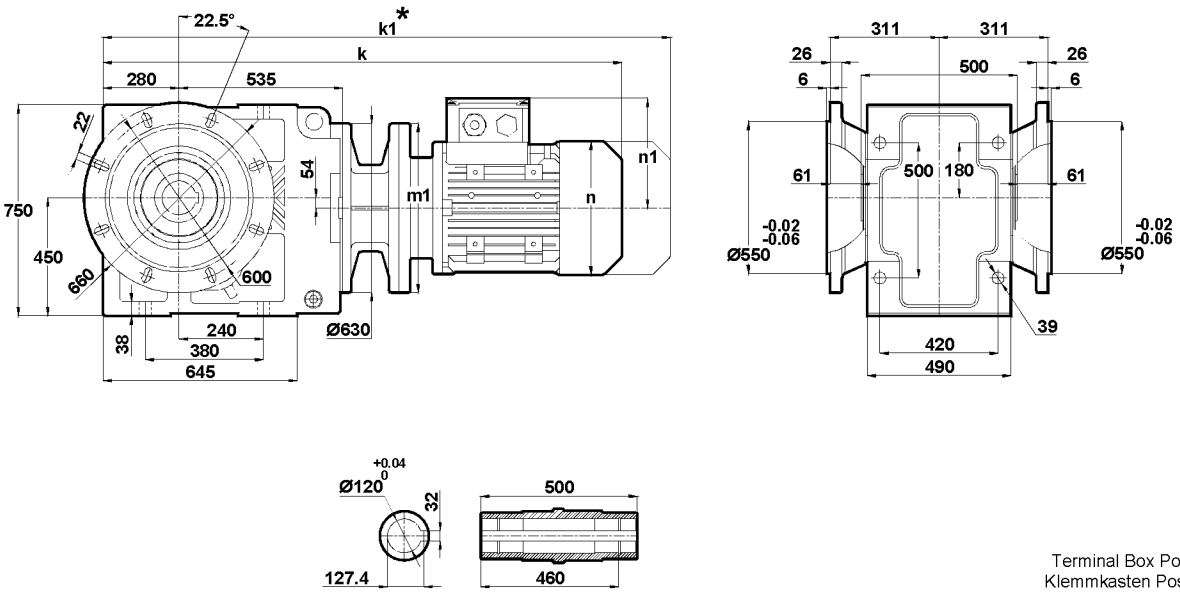


	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	354 / 240	354 / 240	399 / 285	438 / 314	438 / 314	481 / 335	544 / 350	544 / 350	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

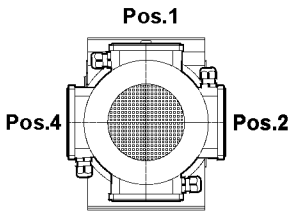
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV973.08



	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5	315S/B5	315M/B5
k	1442	1442	1534	1534	1601	1698	1698	1791	1853	1853	2095	2095
k1	1590	1590	1692.5	1692.5	1783	1880.5	1880.5	1948.5	2051	2051	-	-
n / n1	316 / 224	316 / 224	348 / 250	348 / 250	396 / 287	438 / 316	438 / 316	481 / 335	547 / 402	547 / 402	614 / 510	614 / 510
m1 (B5)	350	350	350	350	400	450	450	550	550	550	660	660
m1 (B14)	-	-	-	-	-	-	-	-	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen

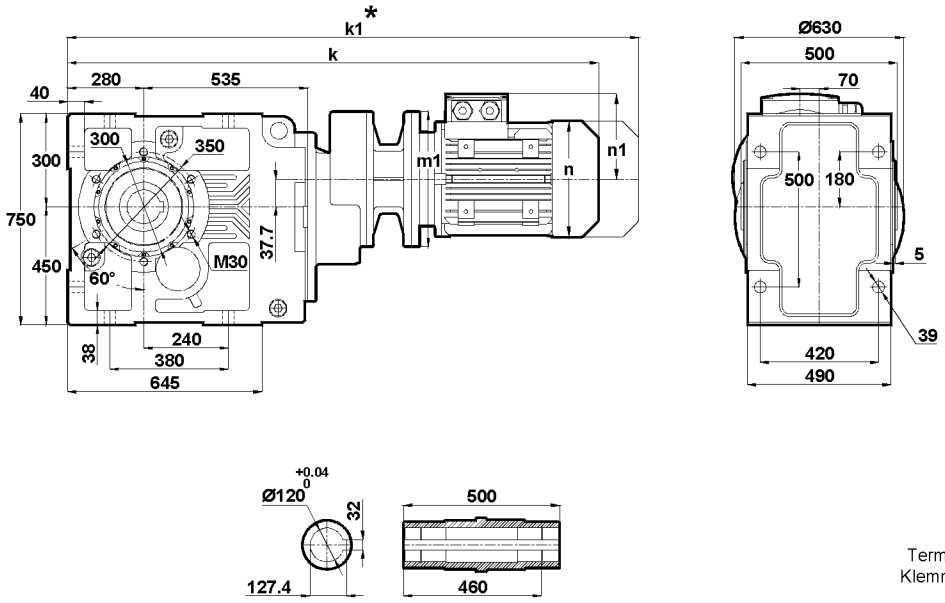


160-180-200-225-250-280-315
Type / Typ

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

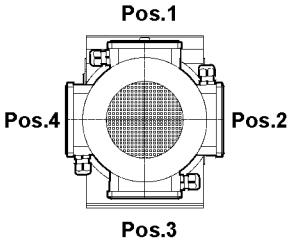
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV974.00



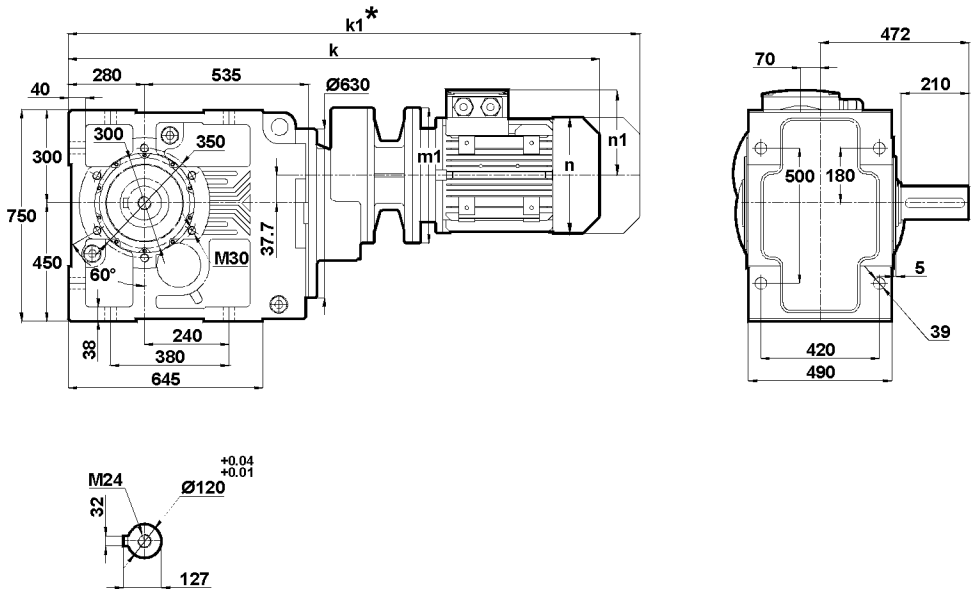
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180
Type / Typ

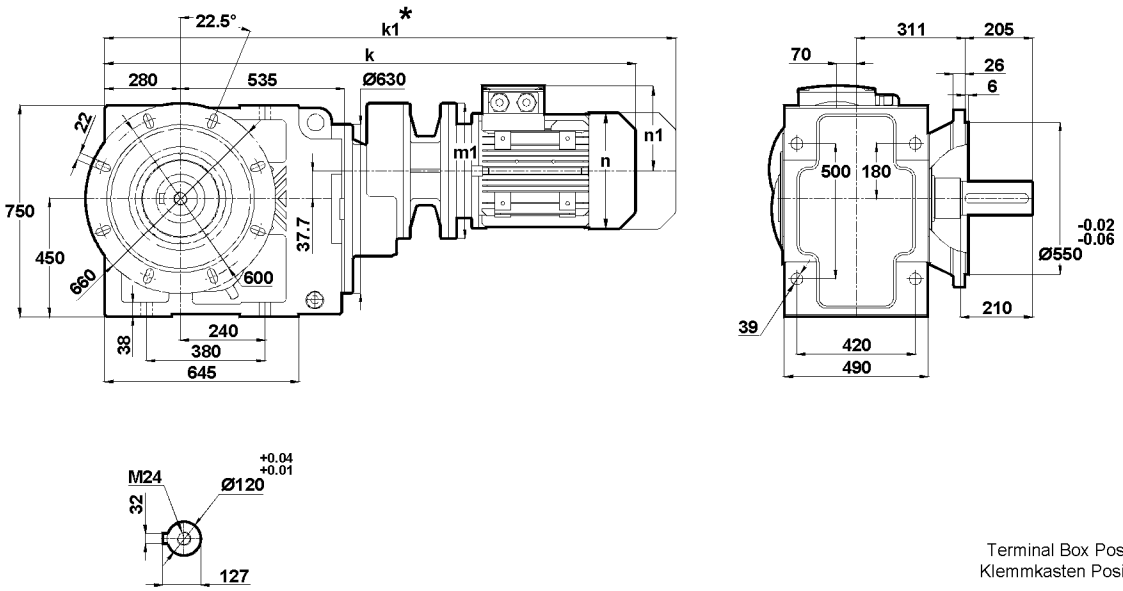
KV974.01



	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

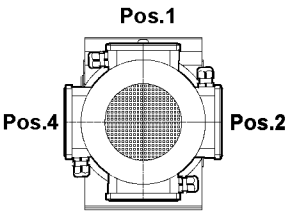
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

KV974.02



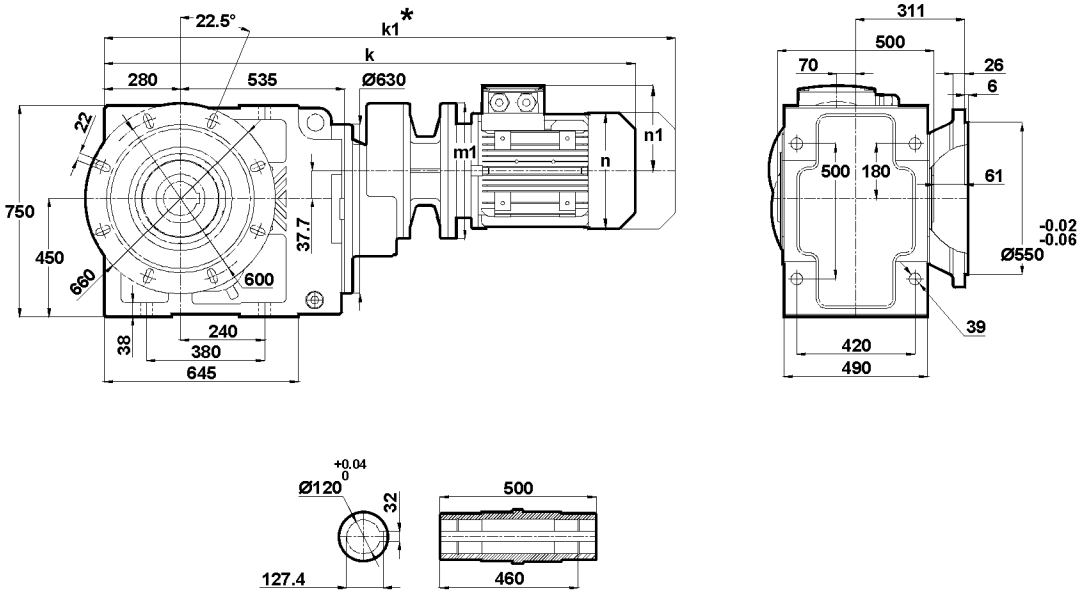
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen



100-112-132-160-180
Type / Typ

KV974.03

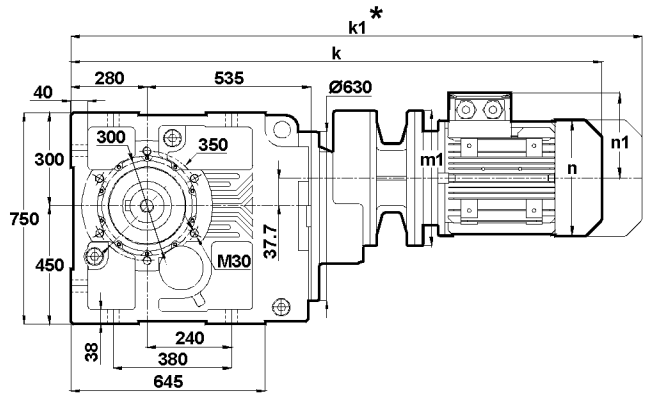


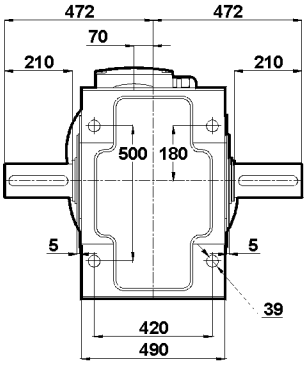
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

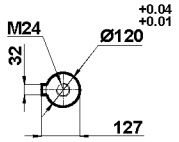
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV974.04

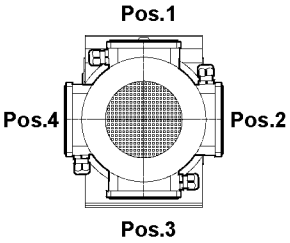






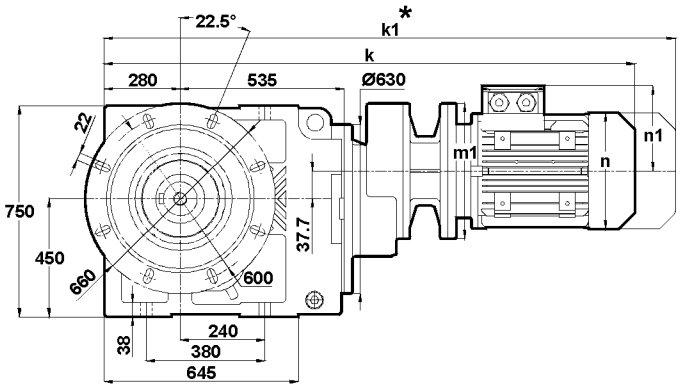
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

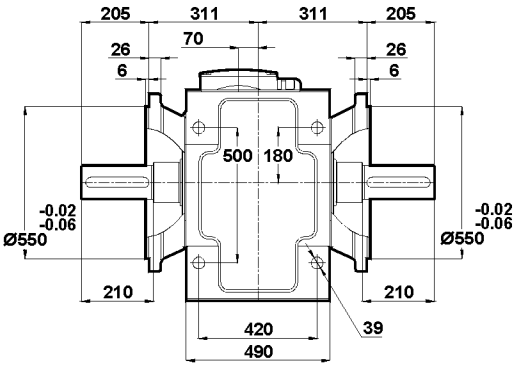
Terminal Box Positions
Klemmkasten Positionen

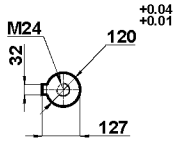


100-112-132-160-180
Type / Typ

KV974.05





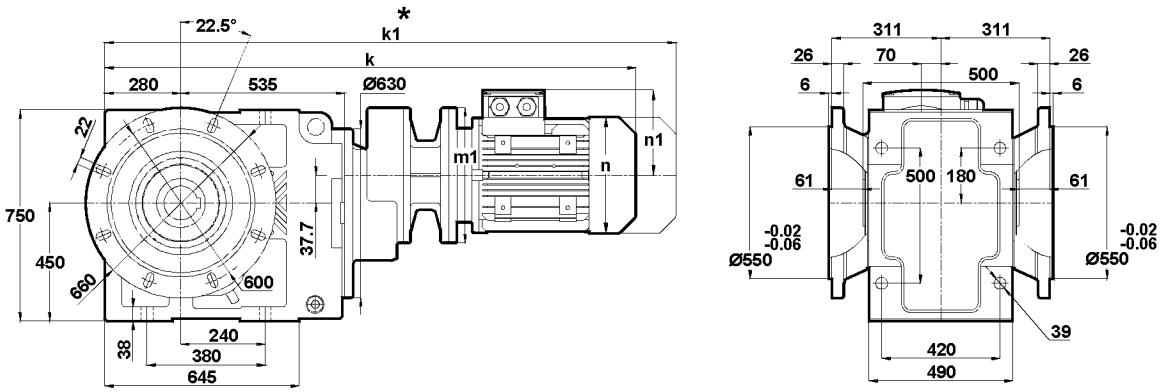


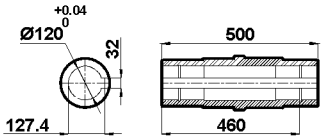
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

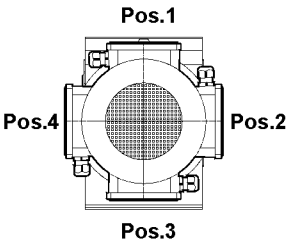
KV974.08





	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	1346	1365.5	1465.5	1465.5	1620.5	1620.5	1712.5	1712.5
k1	1454.5	1470	1595.5	1595.5	1768.5	1768.5	1871	1871
n / n1	193 / 149	215 / 161	257 / 181	257 / 181	316 / 224	316 / 224	348 / 250	348 / 250
m1 (B5)	250	250	300	300	350	350	350	350
m1 (B14)	-	-	200	200	-	-	-	-

Terminal Box Positions
Klemmkasten Positionen

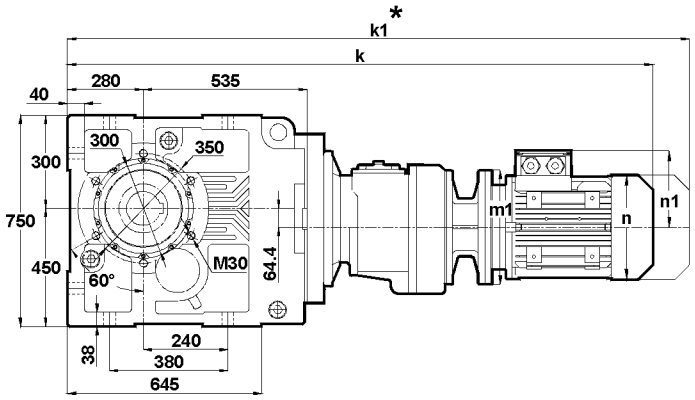


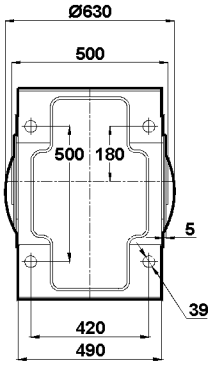
100-112-132-160-180
Type / Typ

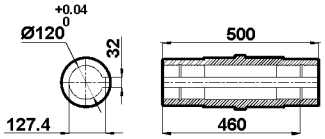
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV975.00
KV976.00

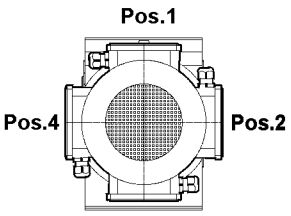






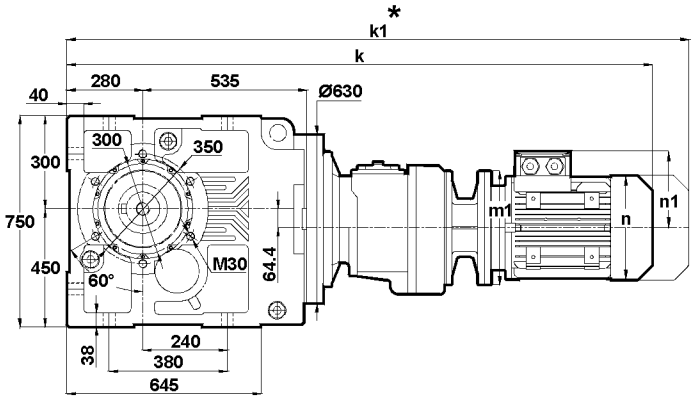
	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

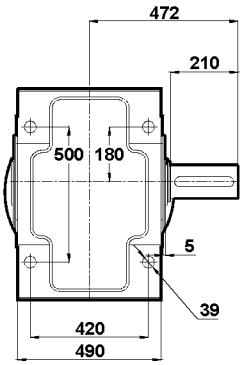
Terminal Box Positions
Klemmkasten Positionen

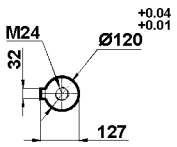


80-90-100-112-132
Type / Typ

KV975.01
KV976.01



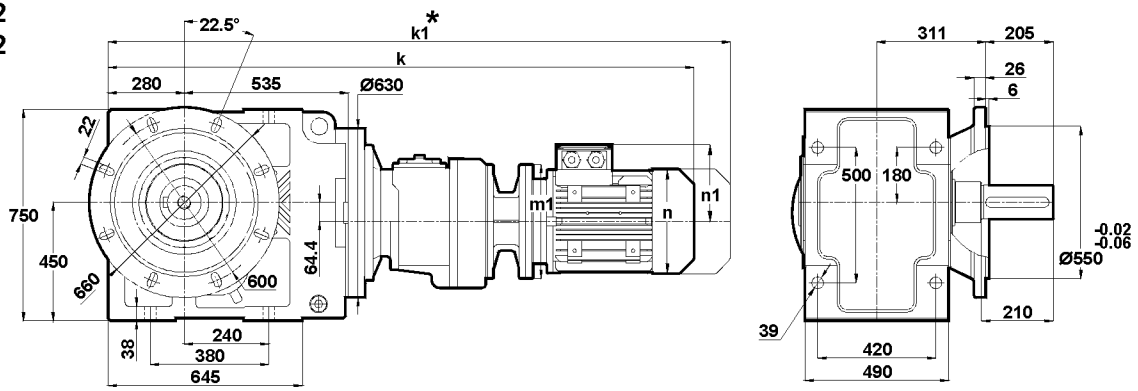


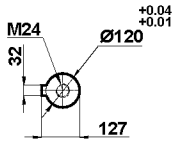


	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

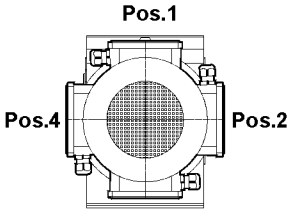
KV975.02
KV976.02





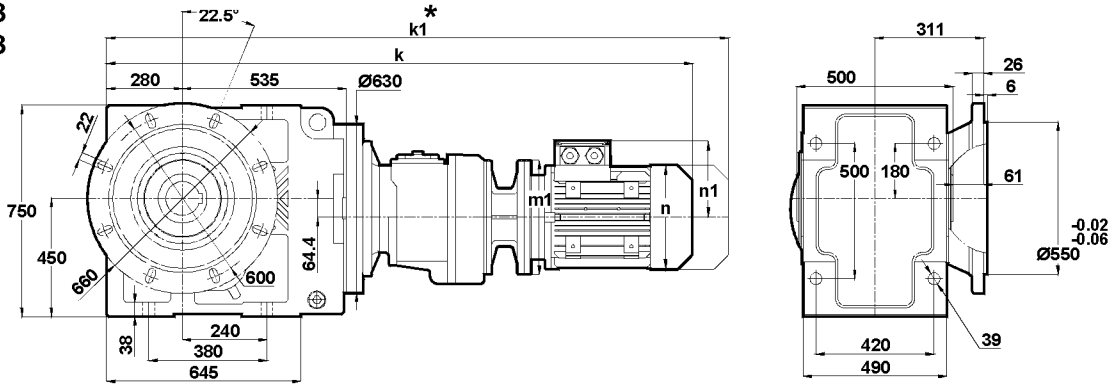
	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

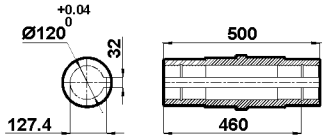
Terminal Box Positions
Klemmkasten Positionen



80-90-100-112-132
Type / Typ

KV975.03
KV976.03



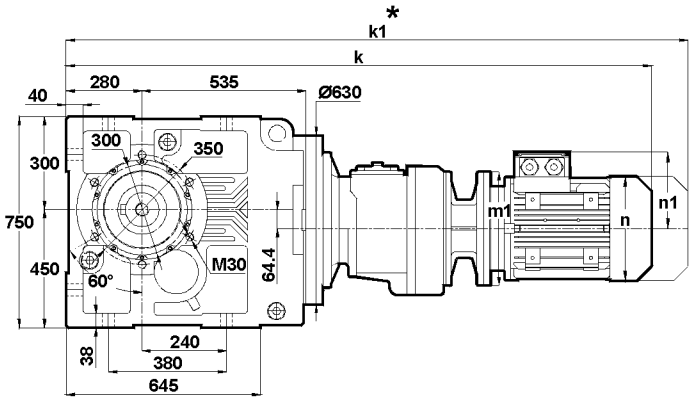


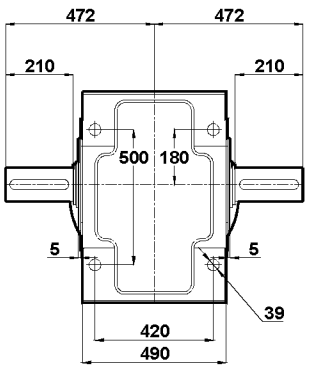
	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

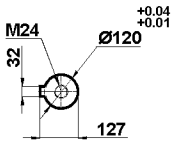
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV975.04
KV976.04

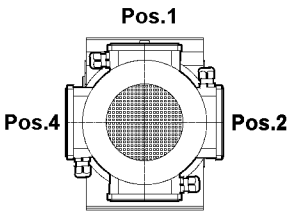






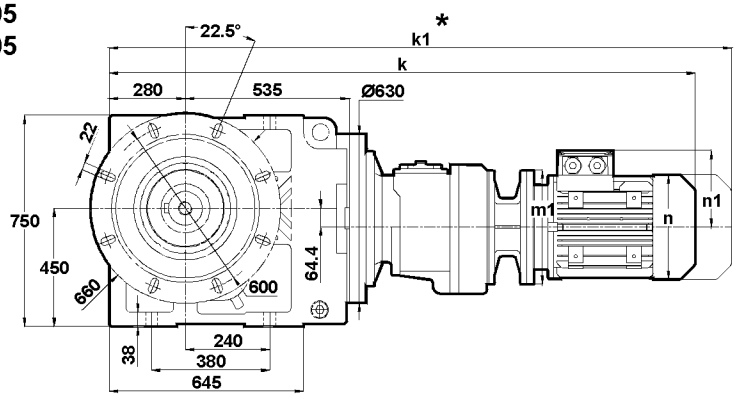
	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

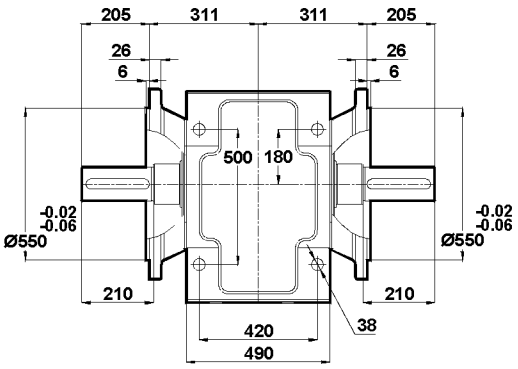
Terminal Box Positions
Klemmkasten Positionen

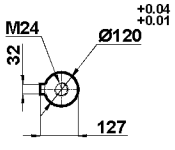


80-90-100-112-132
Type / Typ

KV975.05
KV976.05





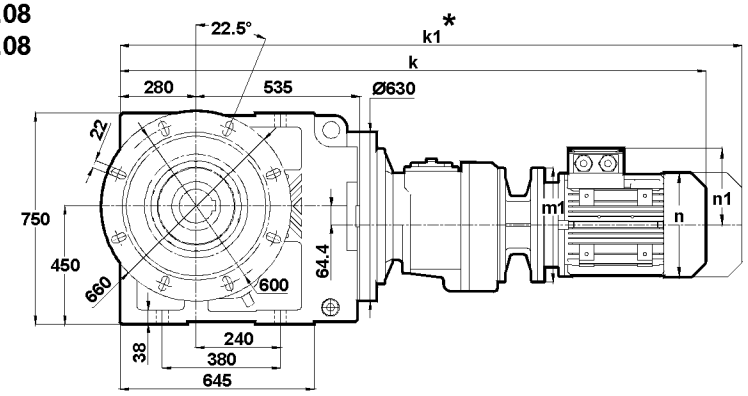


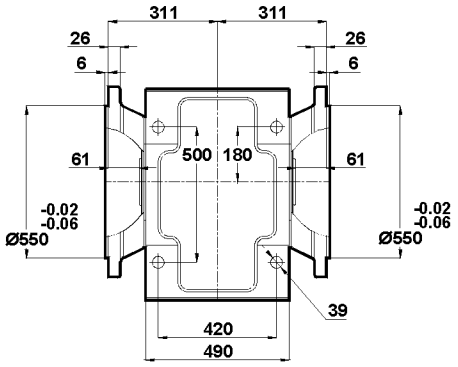
	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

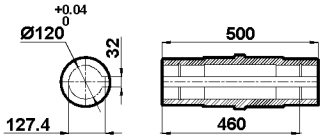
** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KV975.08
KV976.08

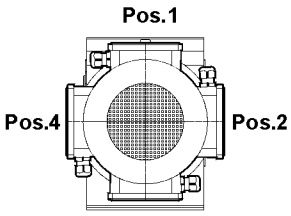






	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	1405.5	1446.5	1446.5	1500.5	1520	1623.5	1623.5
k1	1498.5	1550	1550	1609	1624.5	1753.5	1753.5
n / n1	155 / 123	176 / 132	176 / 132	193 / 149	215 / 161	257 / 181	257 / 181
m1 (B5)	200	200	200	250	250	300	300
m1 (B14)	-	140	140	160	160	200	200

Terminal Box Positions
Klemmkasten Positionen

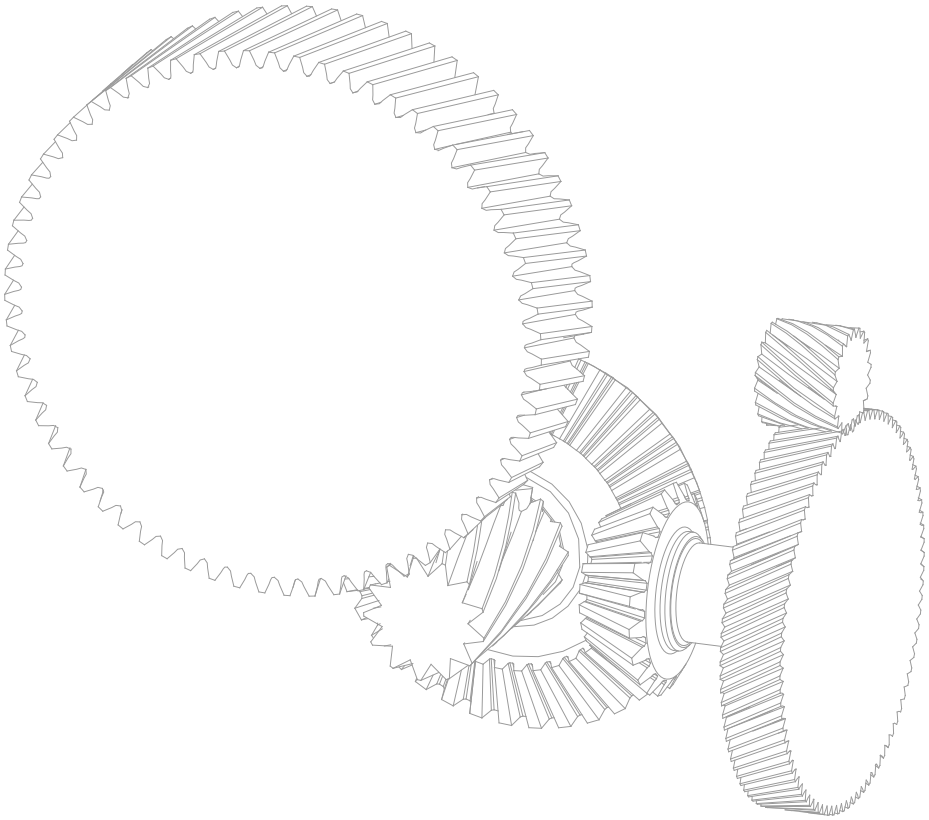


80-90-100-112-132
Type / Typ

** Dimension " k1" is for motors with brake.*
Maße " k1 " ist für Bremsenmotoren.

Notes / Note

Performances



Leistung und Drehzahlübersicht

K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
65	7,46	194	**KT002**	2,3	**1,4**	1,1	0,86	0,56	0,43	2664	40	14	458
65	8,04	180		2,2	**1,3**	0,98	0,80	0,52	0,40	2748	91		
70	9,40	154		1,9	**1,2**	0,90	0,69	0,45	0,34	2879	48		
75	11,09	131		1,7	**1,1**	0,76	0,58	0,38	0,29	3031	-		
75	13,26	109		1,5	**0,91**	0,64	0,49	0,32	0,24	3265	96		
75	14,73	98		1,3	**0,82**	0,58	0,44	0,29	0,22	3408	195		
75	16,18	90		1,2	**0,75**	0,52	0,40	0,26	0,20	3540	211		
80	19,88	73		1,1	**0,65**	0,43	0,33	0,21	0,16	3794	161		
80	23,79	61	**KT003**	0,96	**0,55**	0,36	0,28	0,18	0,14	3153	764	15	458
80	25,64	57		0,89	**0,51**	0,34	0,26	0,17	0,13	3269	770		
80	29,95	48		0,82	**0,44**	0,29	0,22	0,15	0,11	3518	781		
80	35,34	41		0,70	**0,38**	0,25	0,19	0,12	0,09	3799	791		
80	45,41	32		0,58	**0,29**	0,19	0,15	0,10	0,07	4042	869		
80	48,93	30		0,54	**0,27**	0,18	0,14	0,09	0,07	4046	872		
80	57,16	25		0,47	**0,24**	0,15	0,12	0,08	0,06	4046	878		
80	67,44	22		0,40	**0,20**	0,13	0,10	0,07	0,05	4048	883		
80	80,66	18		0,34	**0,17**	0,11	0,09	0,06	0,04	4046	887		
80	89,62	16		0,31	**0,15**	0,10	0,08	0,05	0,04	4046	893		
80	98,44	15		0,28	**0,14**	0,09	0,07	0,05	0,04	4040	894		
80	120,91	12		0,23	**0,12**	0,08	0,06	0,04	0,03	4049	896		
90	6,28	231	**KT102**	3,5	**2,3**	1,7	1,8	1,2	0,89	2785	-	15	462
90	7,29	199		3,3	**2,0**	1,5	1,5	1,0	0,77	2971	-		
95	8,72	166		2,9	**1,7**	1,3	1,3	0,85	0,64	3160	-		
100	10,32	140		2,5	**1,5**	1,2	1,1	0,71	0,54	3347	-		
100	11,05	131		2,5	**1,4**	1,1	1,0	0,67	0,51	3446	-		
105	12,51	116		2,2	**1,3**	1,0	0,90	0,59	0,45	3585	-		
110	14,61	99		2,0	**1,2**	0,94	0,77	0,51	0,38	3780	-		
110	17,30	84		1,7	**1,0**	0,79	0,65	0,43	0,33	4062	-		
110	19,13	76		1,5	**0,93**	0,72	0,59	0,39	0,29	4236	-		
115	21,25	68		1,4	**0,87**	0,65	0,53	0,35	0,27	4377	-		
120	25,50	57		1,3	**0,76**	0,58	0,45	0,29	0,22	4672	-		
115	20,03	72	**KT103**	1,5	**0,93**	0,70	0,55	0,38	0,29	4176	704	16	462
120	23,22	62		1,3	**0,84**	0,62	0,50	0,33	0,25	4397	710		
125	27,81	52		1,2	**0,74**	0,54	0,41	0,27	0,21	4696	722		
130	32,90	44		1,0	**0,65**	0,46	0,35	0,23	0,18	4992	725		
135	35,22	41		1,0	**0,63**	0,43	0,33	0,22	0,16	5084	721		
135	38,22	38		0,94	**0,58**	0,40	0,30	0,20	0,15	5266	812		
140	44,32	33		0,85	**0,52**	0,34	0,26	0,17	0,13	5553	816		
140	53,07	27		0,74	**0,44**	0,29	0,22	0,14	0,11	5825	830		
140	62,79	23		0,66	**0,37**	0,24	0,19	0,12	0,09	5827	838		
140	67,22	22		0,64	**0,35**	0,23	0,17	0,11	0,09	5823	841		
140	76,13	19		0,59	**0,31**	0,20	0,15	0,10	0,08	5827	844		
140	88,87	16		0,53	**0,26**	0,17	0,13	0,09	0,07	5831	849		
140	105,26	14		0,45	**0,23**	0,15	0,11	0,07	0,06	5826	854		
140	116,34	12		0,41	**0,20**	0,13	0,10	0,07	0,05	5826	862		
140	129,27	11		0,37	**0,18**	0,12	0,09	0,06	0,05	5826	864		
205	6,38	227	**KT202**	8,1	**5,1**	3,8	3,1	2,3	1,7	2306	-	19	466
215	7,65	190		7,2	**4,5**	3,3	2,7	1,9	1,5	2473	-		
230	9,25	157		6,3	**4,0**	2,9	2,4	1,6	1,2	2627	-		
235	10,57	137		5,7	**3,5**	2,7	2,1	1,4	1,1	2792	128		
245	12,17	119		5,2	**3,2**	2,4	1,8	1,2	0,92	2937	130		
255	14,32	101		4,5	**2,8**	2,0	1,6	1,0	0,78	3131	140		
260	15,26	95		4,4	**2,7**	1,9	1,5	0,96	0,73	3203	121		
270	17,47	83		3,9	**2,5**	1,7	1,3	0,84	0,64	3367	86		
280	20,23	72		3,5	**2,2**	1,5	1,1	0,73	0,55	3566	51		
280	23,79	61		3,2	**1,9**	1,2	0,95	0,62	0,47	3893	189		

K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
265	26,31	55	**KT203**	2,6	**1,6**	1,1	0,87	0,57	0,43	3916	1713	20	466
280	31,55	46		2,3	**1,4**	0,95	0,72	0,48	0,36	4177	1721		
280	38,16	38		2,0	**1,2**	0,79	0,60	0,39	0,30	4644	1746		
280	43,67	33		1,8	**1,0**	0,69	0,52	0,34	0,26	4993	1841		
280	52,37	28		1,6	**0,87**	0,57	0,44	0,29	0,22	5483	1858		
280	63,33	23		1,4	**0,72**	0,48	0,36	0,24	0,18	6027	1873		
280	72,37	20		1,3	**0,64**	0,42	0,32	0,21	0,16	6428	1882		
280	83,32	17		1,1	**0,55**	0,36	0,28	0,18	0,14	6870	1890		
280	98,01	15		0,94	**0,47**	0,31	0,24	0,16	0,12	7403	1898		
280	104,49	14		0,88	**0,44**	0,29	0,22	0,15	0,11	7506	1901		
280	119,62	12		0,77	**0,39**	0,26	0,20	0,13	0,10	7497	1906		
280	138,53	10		0,67	**0,34**	0,22	0,17	0,11	0,08	7500	1911		
220	6,94	209	**KT273**	8,9	**5,1**	3,4	3,14	2,14	1,91	10742	-	25	470
230	8,28	175		7,8	**4,5**	2,9	2,73	1,92	1,70	11343	-		
240	9,92	146		6,8	**3,9**	2,6	2,36	1,65	1,45	12003	35		
250	12,00	121		5,9	**3,4**	2,2	2,09	1,46	1,27	12743	159		
350	13,34	109		7,3	**4,2**	2,8	2,54	1,75	1,35	12701	534		
370	15,92	91		6,3	**3,8**	2,5	2,23	1,50	1,13	12587	631		
390	19,08	76		5,6	**3,3**	2,2	1,90	1,25	0,95	12465	715		
410	23,08	63		4,9	**2,9**	1,9	1,57	1,03	0,78	12335	788		
430	25,55	57		4,6	**2,7**	1,8	1,42	0,93	0,71	12198	1277		
450	30,48	48		4,0	**2,4**	1,6	1,19	0,78	0,59	12000	1298		
450	36,55	40		3,5	**2,0**	1,3	0,99	0,65	0,49	12000	1339		
450	44,20	33		3,1	**1,6**	1,1	0,82	0,54	0,41	12000	1373		
450	50,51	29		2,8	**1,4**	0,9	0,72	0,47	0,36	12000	1394		
450	58,15	25		2,5	**1,2**	0,8	0,62	0,41	0,31	12000	1413		
450	68,40	21		2,1	**1,1**	0,7	0,53	0,35	0,26	12000	1431		
450	72,92	20		2,0	**1,0**	0,7	0,50	0,33	0,27	12000	1437		
450	83,48	17		1,7	**0,87**	0,6	0,44	0,29	0,24	12000	1450		
450	96,68	15		1,5	**0,75**	0,5	0,38	0,27	0,21	12000	1461		
450	113,65	13		1,3	**0,64**	0,4	0,32	0,23	0,18	12000	1472		
450	112,73	13	**KT275**	1,4	**0,68**	0,44	0,34	0,25	0,19	12000	613	28	474
450	131,68	11		1,2	**0,58**	0,38	0,29	0,21	0,16	12000	627		
450	200,35	7,2		0,77	**0,38**	0,25	0,21	0,14	0,11	12000	732		
450	215,91	6,7		0,71	**0,36**	0,26	0,20	0,13	0,10	12000	736		
450	252,20	5,7		0,61	**0,31**	0,22	0,17	0,11	0,08	12000	743		
450	300,85	4,8		0,51	**0,26**	0,19	0,14	0,09	0,07	12000	763		
450	360,73	4,0		0,48	**0,24**	0,17	0,13	0,09	0,07	12000	781		
450	436,24	3,3		0,39	**0,20**	0,14	0,11	0,07	0,05	12000	796		
450	498,55	2,9		0,35	**0,17**	0,13	0,10	0,06	0,05	12000	805		
450	573,99	2,5		0,30	**0,15**	0,11	0,08	0,05	0,04	12000	814		
450	675,13	2,1		0,26	**0,13**	0,09	0,07	0,05	0,04	12000	822		
450	719,79	2,0		0,27	**0,12**	0,09	0,07	0,04	0,03	12000	825		
450	735,42	2,0	**KT276**	0,27	**0,12**	0,09	0,07	0,04	0,03	12000	826	30	474
450	881,79	1,6		0,22	**0,10**	0,07	0,06	0,04	0,03	12000	833		
450	1066,35	1,4		0,18	**0,08**	0,06	0,05	0,03	0,02	12000	840		
450	1218,69	1,2		0,16	**0,07**	0,05	0,04	0,03	0,02	12000	843		
450	1403,10	1,0		0,14	**0,06**	0,05	0,03	0,02	0,02	12000	847		
450	1650,31	0,88		0,12	**0,05**	0,04	0,03	0,02	0,01	12000	850		
450	1759,48	0,82		0,11	**0,05**	0,04	0,03	0,02	0,01	12000	851		
335	5,74	253	**KT283**	15,19	**9,43**	7,10	5,70	4,38	3,56	12076	-	30	478
340	6,70	217		13,51	**8,20**	6,16	5,01	3,79	3,11	12728	-		
350	7,40	196		12,23	**7,64**	5,72	4,58	3,50	2,87	13118	-		
360	8,63	168		10,85	**6,73**	5,02	4,07	3,09	2,53	13789	-		
370	10,16	143		9,54	**5,88**	4,43	3,54	2,71	2,23	14537	-		
550	10,37	140		13,87	**8,57**	6,12	4,67	3,06	2,32	14048	-		
575	12,10	120		12,41	**7,67**	5,25	4,00	2,62	1,99	14723	-		
600	14,12	103		11,21	**6,86**	4,50	3,43	2,25	1,70	15432	-		

K Series Gear Units Performance Tables
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Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
600	15,60	93	**KT283**	10,46	**6,21**	4,07	3,11	2,04	1,54	15750	53	30	478
600	18,21	80		9,32	**5,32**	3,49	2,66	1,74	1,32	15750	333		
600	21,42	68		8,37	**4,53**	2,96	2,26	1,48	1,12	15750	583		
600	23,76	61		6,87	**4,08**	2,67	2,04	1,34	1,01	15750	1595		
600	27,74	52		6,17	**3,79**	2,29	1,75	1,14	0,87	15750	1641		
600	32,35	45		5,54	**3,00**	1,96	1,50	0,98	0,74	15750	1686		
600	35,75	41		5,15	**2,71**	1,78	1,36	0,89	0,67	15750	1708		
600	41,72	35		4,57	**2,32**	1,52	1,16	0,76	0,58	15750	1739		
600	49,08	30		3,95	**1,97**	1,29	0,99	0,65	0,49	15750	1766		
600	58,35	25		3,32	**1,66**	1,09	0,83	0,54	0,41	15750	1790		
600	66,00	22		2,94	**1,47**	0,96	0,73	0,48	0,36	15750	1805		
600	75,26	19		2,58	**1,29**	0,84	0,64	0,42	0,32	15750	1818		
600	93,50	16		2,07	**1,04**	0,68	0,52	0,34	0,26	15750	1838		
600	106,33	14		1,82	**0,91**	0,60	0,46	0,30	0,25	15750	1847		
600	122,38	12		1,58	**0,79**	0,52	0,40	0,26	0,22	15750	1856		
600	143,00	10		1,36	**0,68**	0,44	0,34	0,25	0,19	15750	1864		
600	122,22	12	**KT284**	1,64	**0,82**	0,54	0,41	0,27	0,23	15750	1373	40	482
600	135,06	11		1,48	**0,74**	0,49	0,37	0,27	0,20	15750	1414		
600	157,62	9,2		1,27	**0,64**	0,42	0,32	0,23	0,18	15750	1469		
600	185,40	7,8		1,08	**0,54**	0,35	0,27	0,20	0,15	15750	1519		
600	220,43	6,6		0,91	**0,46**	0,30	0,25	0,17	0,13	15750	1564		
600	249,33	5,8		0,81	**0,40**	0,26	0,22	0,15	0,11	15750	1591		
600	284,33	5,1		0,71	**0,35**	0,26	0,20	0,13	0,10	15750	1617		
600	353,22	4,1		0,57	**0,28**	0,21	0,16	0,10	0,08	15750	1653		
600	300,42	4,8	**KT285**	0,68	**0,34**	0,25	0,19	0,12	0,09	15750	1018	45	486
600	359,71	4,0		0,57	**0,29**	0,21	0,16	0,10	0,08	15750	1029		
600	425,60	3,4		0,54	**0,27**	0,20	0,15	0,10	0,07	15750	1035		
600	455,64	3,2		0,50	**0,25**	0,18	0,14	0,09	0,07	15750	1037		
600	516,00	2,8		0,44	**0,22**	0,16	0,12	0,08	0,06	15750	1040		
600	570,18	2,5		0,40	**0,20**	0,15	0,11	0,07	0,06	15750	1049		
600	665,46	2,2		0,35	**0,17**	0,13	0,10	0,06	0,05	15750	1063		
600	782,73	1,9		0,29	**0,15**	0,11	0,08	0,05	0,04	15750	1075		
600	930,59	1,6		0,27	**0,12**	0,09	0,07	0,05	0,03	15750	1086		
600	1052,64	1,4		0,24	**0,11**	0,08	0,06	0,04	0,03	15750	1092		
600	820,35	1,8	**KT286**	0,28	**0,14**	0,10	0,08	0,05	0,04	15750	1101	45	486
600	951,33	1,5		0,27	**0,12**	0,09	0,07	0,04	0,03	15750	1104		
600	1139,09	1,3		0,23	**0,10**	0,08	0,06	0,04	0,03	15750	1107		
600	1347,72	1,1		0,19	**0,09**	0,06	0,05	0,03	0,02	15750	1109		
600	1442,85	1,0		0,18	**0,08**	0,06	0,05	0,03	0,02	15750	1110		
600	1634,00	0,89		0,16	**0,07**	0,05	0,04	0,03	0,02	15750	1111		
600	1805,57	0,80		0,15	**0,07**	0,05	0,04	0,02	0,02	15750	1114		
600	2107,29	0,69		0,12	**0,06**	0,04	0,03	0,02	0,02	15750	1118		
600	2478,65	0,58		0,11	**0,05**	0,03	0,03	0,02	0,01	15750	1122		
600	2946,88	0,49		0,09	**0,04**	0,03	0,02	0,01	0,01	15750	1125		
600	3333,36	0,43		0,08	**0,04**	0,03	0,02	0,01	0,01	15750	1127		
580	5,68	255	**KT373**	27	**17**	12	10	7,6	5,8	10852	-	60	490
595	6,63	219		23	**15**	11	8,8	6,5	5,0	11453	-		
610	7,73	188		21	**13**	9,7	7,8	5,6	4,3	12082	-		
630	8,54	170		19	**12**	8,9	7,2	5,1	3,9	12440	-		
655	9,97	145		17	**11**	7,9	6,4	4,4	3,3	13063	-		
805	10,60	137		20	**12**	8,2	6,2	4,1	3,1	12341	-		
820	12,38	117		18	**11**	7,0	5,3	3,5	2,7	11800	-		
820	14,44	100		16	**9,2**	6,0	4,6	3,0	2,3	11800	-		
820	15,96	91		15	**8,3**	5,4	4,2	2,7	2,1	11800	-		
820	18,62	78		13	**7,1**	4,7	3,6	2,3	1,8	11800	-		
820	21,90	66		12	**6,0**	4,0	3,0	2,0	1,5	11800	-		
820	24,72	59		11	**5,4**	3,5	2,7	1,8	1,3	11800	1429		
820	28,85	50		9,2	**4,6**	3,0	2,3	1,5	1,1	11800	1490		
820	33,65	43		7,9	**3,9**	2,6	2,0	1,3	0,98	11800	1549		

K Series Gear Units Performance Tables
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Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm] n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360	*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
820	37,19	39	**KT373**	7,1	**3,6**	2,3	1,8	1,2	0,88	11800	1579	60	490
820	43,40	33		6,1	**3,1**	2,0	1,5	1,0	0,76	11800	1619		
820	51,05	28		5,2	**2,6**	1,7	1,3	0,85	0,64	11800	1654		
820	60,69	24		4,4	**2,2**	1,4	1,1	0,71	0,54	11800	1686		
820	68,65	21		3,9	**1,9**	1,3	0,96	0,63	0,48	11800	1705		
820	78,29	19		3,4	**1,7**	1,1	0,85	0,55	0,42	11800	1723		
820	97,26	15		2,7	**1,4**	0,89	0,68	0,45	0,34	11800	1749		
820	110,61	13		2,4	**1,2**	0,78	0,60	0,39	0,30	11800	1761		
820	127,30	11		2,1	**1,0**	0,68	0,52	0,34	0,26	11800	1773		
820	148,75	9,7		1,8	**0,89**	0,58	0,45	0,29	0,25	11800	1783		
820	127,14	11	**KT374**	2,1	**1,1**	0,70	0,54	0,35	0,27	11800	1411	61	494
820	140,49	10		1,9	**0,97**	0,64	0,49	0,32	0,27	11800	1450		
820	163,96	8,8		1,7	**0,83**	0,55	0,42	0,27	0,23	11800	1503		
820	192,86	7,5		1,4	**0,71**	0,47	0,36	0,26	0,20	11800	1551		
820	229,29	6,3		1,2	**0,60**	0,39	0,30	0,22	0,16	11800	1594		
820	259,36	5,6		1,1	**0,53**	0,35	0,26	0,19	0,15	11800	1620		
820	295,76	4,9		0,93	**0,46**	0,30	0,26	0,17	0,13	11800	1645		
820	367,43	3,9		0,75	**0,37**	0,27	0,21	0,14	0,10	11800	1679		
820	374,18	3,9	**KT375**	0,75	**0,38**	0,27	0,21	0,14	0,10	11800	1047	62	498
820	442,71	3,3		0,64	**0,32**	0,23	0,18	0,12	0,09	11800	1052		
820	473,96	3,1		0,59	**0,30**	0,22	0,17	0,11	0,08	11800	1055		
820	536,75	2,7		0,53	**0,26**	0,19	0,15	0,10	0,07	11800	1057		
820	593,11	2,4		0,53	**0,26**	0,19	0,15	0,10	0,07	11800	1067		
820	692,22	2,1		0,45	**0,23**	0,17	0,13	0,08	0,06	11800	1079		
820	814,20	1,8		0,39	**0,19**	0,14	0,11	0,07	0,05	11800	1091		
820	968,01	1,5		0,32	**0,16**	0,12	0,09	0,06	0,04	11800	1102		
820	1094,97	1,3		0,29	**0,14**	0,10	0,08	0,05	0,04	11800	1108		
820	1184,90	1,2	**KT376**	0,27	**0,14**	0,10	0,08	0,05	0,04	11800	1122	64	498
820	1401,91	1,0		0,25	**0,11**	0,08	0,06	0,04	0,03	11800	1124		
820	1500,87	0,97		0,24	**0,11**	0,08	0,06	0,04	0,03	11800	1125		
820	1699,70	0,85		0,21	**0,09**	0,07	0,05	0,03	0,03	11800	1125		
820	1878,17	0,77		0,19	**0,09**	0,06	0,05	0,03	0,02	11800	1128		
820	2192,03	0,66		0,16	**0,07**	0,05	0,04	0,03	0,02	11800	1132		
820	2578,32	0,56		0,14	**0,06**	0,05	0,03	0,02	0,02	11800	1136		
820	3065,37	0,47		0,12	**0,05**	0,04	0,03	0,02	0,01	11800	1139		
820	3467,39	0,42		0,10	**0,05**	0,03	0,03	0,02	0,01	11800	1141		
830	6,21	233	**KT473**	35	**22**	16	12	9,9	8,1	12268	-	96	502
865	7,48	194		30	**19**	14	11	8,6	7,0	13041	-		
905	9,06	160		26	**16**	12	9,2	7,4	6,1	13870	-		
935	10,34	140		24	**15**	11	8,4	6,7	5,5	14467	-		
970	11,87	122		21	**13**	9,9	7,5	6,1	5,0	15099	-		
1005	13,71	106		19	**12**	8,9	6,8	5,5	4,5	15811	-		
1370	15,33	95		23	**14**	11	8,2	5,4	4,1	16173	-		
1425	17,49	83		21	**13**	9,4	7,2	4,7	3,6	16829	-		
1485	20,07	72		19	**12**	8,2	6,2	4,1	3,1	17538	-		
1550	23,19	63		18	**11**	7,1	5,4	3,5	2,7	17000	-		
1550	23,76	61		17	**11**	6,9	5,3	3,5	2,6	17000	-		
1550	25,15	58		17	**10**	6,5	5,0	3,3	2,5	17000	-		
1550	30,11	48		15	**8,3**	5,4	4,2	2,7	2,1	17000	-		
1550	39,11	37		12	**6,4**	4,2	3,2	2,1	1,6	17000	1424		
1550	44,64	32		11	**5,6**	3,7	2,8	1,8	1,4	17000	1563		
1550	51,22	28		9,6	**4,9**	3,2	2,4	1,6	1,2	17000	1612		
1550	59,19	24		8,5	**4,2**	2,8	2,1	1,4	1,1	17000	1657		
1550	60,63	24		8,3	**4,1**	2,7	2,1	1,4	1,0	17000	1668		
1550	64,17	23		7,8	**3,9**	2,6	2,0	1,3	0,97	17000	1683		
1550	76,83	19		6,5	**3,3**	2,1	1,6	1,1	0,81	17000	1726		
1550	87,49	17		5,7	**2,9**	1,9	1,4	0,94	0,71	17000	1753		

K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
1550	97,79	15	**KT473**	5,1	**2,6**	1,7	1,3	0,84	0,64	17000	1777	96	502
1550	110,65	13		4,5	**2,3**	1,5	1,1	0,74	0,56	17000	1796		
1550	135,98	11		3,7	**1,8**	1,2	0,92	0,60	0,46	17000	1823		
1550	153,47	9,4		3,3	**1,6**	1,1	0,82	0,53	0,41	17000	1835		
1550	160,79	9,0	**KT474**	3,2	**1,6**	1,0	0,80	0,52	0,40	17000	1870	98	506
1550	181,88	8,0		2,8	**1,4**	0,93	0,71	0,46	0,35	17000	1883		
1550	207,41	7,0		2,5	**1,2**	0,82	0,62	0,41	0,31	17000	1896		
1550	257,67	5,6		2,0	**1,0**	0,66	0,50	0,33	0,28	17000	1914		
1550	293,03	4,9		1,8	**0,88**	0,58	0,44	0,29	0,24	17000	1922		
1550	310,16	4,7		1,7	**0,84**	0,55	0,42	0,27	0,23	17000	1940		
1550	371,35	3,9		1,4	**0,70**	0,46	0,35	0,25	0,19	17000	1988		
1550	422,88	3,4		1,2	**0,61**	0,40	0,31	0,22	0,17	17000	2018		
1550	472,63	3,1		1,1	**0,55**	0,36	0,27	0,20	0,15	17000	2040		
1550	509,34	2,8	**KT475**	1,0	**0,52**	0,34	0,26	0,19	0,14	17000	1721	101	510
1550	610,72	2,4		0,87	**0,43**	0,28	0,24	0,16	0,12	17000	1729		
1550	655,16	2,2		0,81	**0,40**	0,27	0,22	0,15	0,11	17000	1731		
1550	738,55	2,0		0,72	**0,36**	0,26	0,20	0,13	0,10	17000	1735		
1550	844,06	1,7		0,63	**0,32**	0,23	0,18	0,11	0,09	17000	1740		
1550	901,03	1,6		0,59	**0,30**	0,22	0,16	0,11	0,08	17000	1741		
1550	971,77	1,5		0,55	**0,27**	0,20	0,15	0,10	0,08	17000	1743		
1550	1142,99	1,3		0,52	**0,26**	0,19	0,14	0,09	0,07	17000	1747		
1550	1218,61	1,2		0,49	**0,24**	0,18	0,14	0,09	0,07	17000	1748		
1550	1395,04	1,0		0,43	**0,21**	0,16	0,12	0,08	0,06	17000	1751		
1550	1476,60	0,98		0,40	**0,20**	0,15	0,11	0,07	0,06	17000	1755		
1550	1767,90	0,82		0,34	**0,17**	0,12	0,09	0,06	0,05	17000	1766		
1550	2183,54	0,66	**KT476**	0,28	**0,14**	0,10	0,08	0,05	0,04	17000	1792	104	510
1550	2495,47	0,58		0,27	**0,12**	0,09	0,07	0,04	0,03	17000	1794		
1550	2663,91	0,54		0,25	**0,11**	0,08	0,06	0,04	0,03	17000	1794		
1550	2873,07	0,50		0,23	**0,11**	0,08	0,06	0,04	0,03	17000	1795		
1550	3379,28	0,43		0,20	**0,09**	0,07	0,05	0,03	0,02	17000	1796		
1550	3602,83	0,40		0,19	**0,08**	0,06	0,05	0,03	0,02	17000	1797		
1550	4124,46	0,35		0,16	**0,07**	0,05	0,04	0,03	0,02	17000	1797		
1550	4365,60	0,33		0,15	**0,07**	0,05	0,04	0,03	0,02	17000	1799		
1550	5226,85	0,28		0,13	**0,06**	0,04	0,03	0,02	0,02	17000	1803		
1220	6,91	210	**KT573**	-	**29**	21	17	13	10,7	25040	-	138	514
1300	8,07	180		-	**26**	22	16	12	9,5	26129	-		
1380	9,48	153		38	**24**	18	14	11	8,9	27341	-		
1470	11,22	129		35	**21**	16	13	10	8,0	28667	-		
1700	11,58	125		-	**24**	18	14	11	9,0	28654	-		
1820	13,53	107		-	**22**	16	13	10	8,0	29850	-		
1930	15,88	91		32	**20**	15	12	9,0	6,8	31234	-		
2050	18,80	77		29	**18**	13	11	7,6	5,8	32541	-		
2100	20,24	72		28	**17**	13	10	7,1	5,4	31991	-		
2200	22,77	64		26	**16**	12	9,5	6,3	4,8	30822	-		
2300	25,78	56		24	**14**	11	8,5	5,5	4,2	29547	-		
2300	30,25	48		-	**12**	9,2	7,2	4,7	3,6	29547	2775		
2430	35,34	41		-	**11**	8,1	6,2	4,0	3,1	27711	2799		
2500	38,16	38		17	**11**	7,5	5,7	3,7	2,8	26625	2845		
2620	44,73	32		15	**9,5**	6,4	4,9	3,2	2,4	24571	2869		
2700	52,88	27		14	**8,2**	5,4	4,1	2,7	2,0	22500	2909		
2700	59,49	24		13	**7,3**	4,8	3,7	2,4	1,8	22500	2956		
2700	67,37	22		12	**6,5**	4,2	3,2	2,1	1,6	22500	3000		
2700	82,14	18		10	**5,3**	3,5	2,7	1,7	1,3	22500	3058		
2700	97,19	15		9,0	**4,5**	2,9	2,2	1,5	1,1	22500	3099		
2700	109,86	13		7,9	**4,0**	2,6	2,0	1,3	0,99	22500	3125		
2700	125,51	12		6,9	**3,5**	2,3	1,7	1,1	0,86	22500	3149		

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Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
2700	117,96	12	**KT574**	7,6	**3,8**	2,5	1,9	1,2	0,94	22500	1466	140	518
2700	140,24	10		6,4	**3,2**	2,1	1,6	1,0	0,79	22500	1510		
2700	158,64	9,1		5,7	**2,8**	1,9	1,4	0,93	0,70	22500	1536		
2700	180,90	8,0		5,0	**2,5**	1,6	1,2	0,81	0,62	22500	1561		
2700	211,51	6,9		4,3	**2,1**	1,4	1,1	0,70	0,53	22500	1587		
2700	237,97	6,1		3,8	**1,9**	1,2	0,95	0,62	0,47	22500	1659		
2700	246,42	5,9		3,6	**1,8**	1,2	0,91	0,60	0,45	22500	1785		
2700	281,00	5,2		3,2	**1,6**	1,0	0,80	0,52	0,40	22500	1801		
2700	328,56	4,4		2,7	**1,4**	0,90	0,69	0,45	0,34	22500	1817		
2700	397,01	3,7		2,3	**1,1**	0,75	0,57	0,37	0,28	22500	1834		
2700	469,74	3,1		1,9	**0,96**	0,63	0,48	0,32	0,27	22500	1896		
2700	507,09	2,9	**KT575**	1,8	**0,91**	0,60	0,46	0,30	0,25	22500	1483	140	522
2700	570,53	2,5		1,6	**0,81**	0,53	0,41	0,27	0,22	22500	1520		
2700	787,70	1,8		1,2	**0,59**	0,39	0,29	0,21	0,16	22500	1603		
2700	932,00	1,6		1,0	**0,50**	0,33	0,28	0,18	0,14	22500	1637		
2700	1216,74	1,2		0,77	**0,38**	0,25	0,21	0,14	0,11	22500	1680		
2700	1368,95	1,1		0,68	**0,34**	0,25	0,19	0,12	0,09	22500	1696		
2700	1890,04	0,77		0,55	**0,27**	0,20	0,15	0,10	0,08	22500	1731		
2700	2236,28	0,65		0,46	**0,23**	0,17	0,13	0,08	0,06	22500	1745		
2700	2328,84	0,62	**KT576**	0,45	**0,23**	0,17	0,13	0,08	0,06	22500	1748	145	522
2700	2755,47	0,53		0,38	**0,19**	0,14	0,11	0,07	0,05	22500	1759		
2700	3597,31	0,40		0,29	**0,15**	0,11	0,08	0,05	0,04	22500	1774		
2700	4047,32	0,36		0,26	**0,13**	0,10	0,07	0,05	0,04	22500	1779		
2700	5587,93	0,26		0,21	**0,09**	0,07	0,05	0,03	0,03	22500	1791		
2700	6611,61	0,22		0,18	**0,08**	0,06	0,04	0,03	0,02	22500	1795		
2500	8,31	175	**KT673**	-	**49**	37	30	23	18	38163	-	235	526
2600	9,45	153		-	**44**	33	27	20	16	39661	-		
2700	10,81	134		-	**40**	30	24	19	14	41324	-		
2800	12,46	116		58	**36**	27	22	16	12	43197	-		
2900	14,49	100		52	**32**	24	20	14	11	45335	-		
4300	16,54	88		-	**42**	28	21	14	10	29600	-		
4300	18,74	77		-	**37**	24	19	12	9,2	29600	-		
4300	21,32	68		-	**33**	21	16	11	8,1	29600	-		
4300	24,38	59		-	**28**	19	14	9,3	7,1	29600	-		
4300	28,10	52		49	**25**	16	12	8,1	6,1	29600	-		
4300	32,68	44		43	**21**	14	11	7,0	5,3	29600	-		
4300	39,26	37		-	**18**	12	8,8	5,8	4,4	29600	3132		
4300	44,65	32		-	**16**	10	7,8	5,1	3,9	29600	3223		
4300	51,08	28		-	**14**	8,9	6,8	4,5	3,4	29600	3306		
4300	58,86	25		24	**12**	7,7	5,9	3,9	2,9	29600	3381		
4300	68,47	21		20	**10**	6,6	5,1	3,3	2,5	29600	3451		
4300	80,38	18		17	**8,6**	5,7	4,3	2,8	2,1	29600	3541		
4300	90,21	16		15	**7,7**	5,0	3,8	2,5	1,9	29600	3579		
4300	100,90	14		14	**6,9**	4,5	3,4	2,3	1,7	29600	3600		
4300	128,24	11		11	**5,4**	3,5	2,7	1,8	1,3	29600	3675		
4300	123,38	12	**KT674**	11	**5,7**	3,8	2,9	1,9	1,4	29600	687	238	530
4300	140,49	10		10	**5,1**	3,3	2,5	1,7	1,3	29600	808		
4300	157,02	9,2		9,1	**4,5**	3,0	2,3	1,5	1,1	29600	920		
4300	178,62	8,1		8,0	**4,0**	2,6	2,0	1,3	0,99	29600	1342		
4300	204,32	7,1		7,0	**3,5**	2,3	1,7	1,1	0,87	29600	1616		
4300	235,44	6,2		6,1	**3,0**	2,0	1,5	0,99	0,75	29600	1702		
4300	273,88	5,3		5,2	**2,6**	1,7	1,3	0,85	0,65	29600	1781		
4300	321,51	4,5		4,4	**2,2**	1,5	1,1	0,73	0,55	29600	1853		
4300	363,81	4,0		3,9	**2,0**	1,3	0,98	0,64	0,49	29600	1865		

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Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
4300	423,90	3,4	**KT675**	3,4	**1,7**	1,1	0,86	0,56	0,43	29600	1852	243	534
4300	489,82	3,0		3,0	**1,5**	0,98	0,75	0,49	0,37	29600	1863		
4300	531,08	2,7		2,8	**1,4**	0,90	0,69	0,45	0,34	29600	1869		
4300	635,86	2,3		2,3	**1,2**	0,76	0,58	0,38	0,29	29600	1880		
4300	724,08	2,0		2,0	**1,0**	0,66	0,51	0,33	0,25	29600	1886		
4300	809,27	1,8		1,8	**0,91**	0,59	0,45	0,30	0,25	29600	1892		
4300	915,75	1,6		1,6	**0,80**	0,53	0,40	0,26	0,22	29600	1897		
4300	1041,68	1,4		1,4	**0,71**	0,46	0,35	0,26	0,20	29600	1916		
4300	1191,60	1,2		1,2	**0,62**	0,41	0,31	0,23	0,17	29600	1933		
4300	1373,07	1,1		1,1	**0,54**	0,35	0,27	0,20	0,15	29600	1949		
4300	1597,25	0,91		0,92	**0,46**	0,30	0,26	0,17	0,13	29600	1963		
4300	1875,03	0,77		0,79	**0,39**	0,26	0,22	0,14	0,11	29600	1977		
4300	1884,33	0,77	**KT676**	0,80	**0,40**	0,26	0,22	0,15	0,11	29600	2009	250	534
4300	2082,19	0,70		0,72	**0,36**	0,26	0,20	0,13	0,10	29600	2011		
4300	2430,14	0,60		0,62	**0,31**	0,23	0,17	0,11	0,09	29600	2014		
4300	2858,39	0,51		0,53	**0,26**	0,19	0,15	0,10	0,07	29600	2016		
4300	3398,35	0,43		0,50	**0,25**	0,18	0,14	0,09	0,07	29600	2018		
4300	3844,04	0,38		0,44	**0,22**	0,16	0,12	0,08	0,06	29600	2020		
4300	4383,55	0,33		0,39	**0,19**	0,14	0,11	0,07	0,05	29600	2021		
4300	5445,72	0,27		0,31	**0,16**	0,11	0,09	0,06	0,04	29600	2023		
4300	6193,17	0,23		0,27	**0,14**	0,10	0,08	0,05	0,04	29600	2024		
4300	7044,81	0,21		0,27	**0,12**	0,09	0,07	0,04	0,03	29600	2027		
4300	8058,67	0,18		0,23	**0,11**	0,08	0,06	0,04	0,03	29600	2030		
4300	9285,97	0,16		0,20	**0,09**	0,07	0,05	0,03	0,03	29600	2033		
4300	10802,05	0,13		0,17	**0,08**	0,06	0,04	0,03	0,02	29600	2036		
4300	12680,66	0,11		0,15	**0,07**	0,05	0,04	0,02	0,02	29600	2038		
3900	7,41	196	**KT773**	-	**80**	64	51	39	31	33549	-	360	538
4050	8,52	170		-	**72**	57	46	35	27	35041	-		
4200	9,83	147		-	**65**	52	41	31	24	36696	-		
4250	10,20	142		-	**63**	50	40	30	23	37083	-		
4400	11,44	127		-	**58**	46	37	27	20	38376	-		
4500	12,89	112		-	**53**	42	34	24	18	40022	-		
7250	15,25	95		-	**72**	56	42	28	21	36482			
7550	17,52	83		-	**65**	48	37	24	18	38064	-		
7900	20,23	72		-	**59**	42	32	21	16	39680	-		
8000	20,97	69		-	**58**	40	31	20	15	40071	-		
8000	23,52	62		-	**52**	36	27	18	14	42417	-		
8000	26,52	55		-	**46**	32	24	16	12	44953	-		
8000	29,40	49		-	**41**	29	22	14	11	47214	374		
8000	33,78	43		-	**36**	25	19	13	9,5	50370	1262		
8000	39,00	37		-	**31**	22	17	11	8,2	53774	2055		
8000	40,44	36		-	**30**	21	16	10	7,9	54659	2095		
8000	45,36	32		-	**27**	19	14	9,3	7,1	55500	2636		
8000	51,13	28		-	**24**	17	13	8,3	6,3	55500	3136		
8000	58,00	25		-	**21**	15	11	7,3	5,5	55500	3600		
8000	66,32	22		39	**18**	13	9,7	6,4	4,8	55500	4030		
8000	76,59	19		34	**16**	11	8,4	5,5	4,2	55500	4219		
8000	88,57	16		29	**14**	9,6	7,3	4,8	3,6	55500	4332		
8000	99,00	15		26	**12**	8,6	6,5	4,3	3,2	55500	4386		
8000	111,63	13		23	**11**	7,6	5,8	3,8	2,9	55500	4437		
8000	127,11	11	**KT774**	21	**10**	6,8	5,2	3,4	2,6	55000	-	370	542
8000	142,56	10		18	**9,2**	6,0	4,6	3,0	2,3	55000	-		
8000	160,70	9,0		16	**8,2**	5,4	4,1	2,7	2,0	55000	-		
8000	182,29	8,0		14	**7,2**	4,7	3,6	2,4	1,8	55000	-		
8000	208,42	7,0		13	**6,3**	4,2	3,2	2,1	1,6	55000	530		
8000	240,71	6,0		11	**5,5**	3,6	2,7	1,8	1,4	55000	1265		
8000	278,35	5,2		9,5	**4,7**	3,1	2,4	1,6	1,2	55000	1628		
8000	311,14	4,7		8,5	**4,3**	2,8	2,1	1,4	1,1	55000	1663		
8000	354,32	4,1		7,5	**3,7**	2,4	1,9	1,2	0,93	55000	1694		
8000	396,00	3,7		6,7	**3,3**	2,2	1,7	1,1	0,83	55000	1647		

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Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm] n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360	*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
8000	436,74	3,3	**KT775**	6,2	**3,1**	2,0	1,5	1,0	0,77	55000	1746	381	546
8000	504,65	2,9		5,4	**2,7**	1,8	1,3	0,88	0,67	55000	1771		
8000	547,17	2,7		5,0	**2,5**	1,6	1,2	0,81	0,62	55000	1786		
8000	655,11	2,2		4,2	**2,1**	1,4	1,0	0,68	0,52	55000	1810		
8000	746,01	1,9		3,7	**1,8**	1,2	0,91	0,60	0,45	55000	1826		
8000	833,78	1,7		3,3	**1,6**	1,1	0,82	0,54	0,41	55000	1839		
8000	943,49	1,5		2,9	**1,4**	0,95	0,72	0,47	0,36	55000	1851		
8000	1058,16	1,4		2,6	**1,3**	0,85	0,65	0,42	0,32	55000	1892		
8000	1192,77	1,2		2,3	**1,1**	0,75	0,57	0,38	0,28	55000	1930		
8000	1353,02	1,1		2,0	**1,0**	0,66	0,51	0,33	0,25	55000	1966		
8000	1547,01	0,94		1,8	**0,88**	0,58	0,44	0,29	0,24	55000	2000		
8000	1786,65	0,81		1,5	**0,77**	0,50	0,38	0,25	0,21	55000	2031		
8000	2066,04	0,70		1,3	**0,66**	0,43	0,33	0,24	0,18	55000	2058		
8000	1941,39	0,75	**KT776**	1,4	**0,72**	0,47	0,36	0,26	0,20	55000	2124	386	546
8000	2145,24	0,68		1,3	**0,65**	0,43	0,33	0,24	0,18	55000	2129		
8000	2503,73	0,58		1,1	**0,56**	0,37	0,28	0,20	0,15	55000	2135		
8000	2944,95	0,49		0,95	**0,48**	0,31	0,26	0,17	0,13	55000	2141		
8000	3501,26	0,41		0,80	**0,40**	0,26	0,22	0,15	0,11	55000	2146		
8000	3960,44	0,37		0,71	**0,35**	0,26	0,20	0,13	0,10	55000	2150		
8000	4516,30	0,32		0,62	**0,31**	0,23	0,17	0,11	0,09	55000	2153		
8000	5610,63	0,26		0,50	**0,25**	0,18	0,14	0,09	0,07	55000	2157		
8000	6380,72	0,23		0,49	**0,25**	0,18	0,14	0,09	0,07	55000	2159		
8000	7156,22	0,20		0,44	**0,22**	0,16	0,12	0,08	0,06	55000	2167		
8000	8066,59	0,18		0,39	**0,19**	0,14	0,11	0,07	0,05	55000	2174		
8000	9150,37	0,16		0,34	**0,17**	0,13	0,10	0,06	0,05	55000	2181		
8000	10462,31	0,14		0,30	**0,15**	0,11	0,08	0,05	0,04	55000	2188		
8000	12082,94	0,12		0,26	**0,13**	0,09	0,07	0,05	0,04	55000	2194		
8000	13972,49	0,10		0,25	**0,11**	0,08	0,06	0,04	0,03	55000	2199		
8000	15618,73	0,09		0,22	**0,10**	0,07	0,06	0,04	0,03	55000	2202		
7850	9,63	151	**KT873**	-	**132**	98	77	51	38	59317	-	615	550
8100	11,05	131		-	**118**	88	67	44	33	62056	-		
8350	12,25	118		-	**110**	80	61	40	30	64010	-		
8650	13,93	104		-	**100**	70	53	35	26	66615	-		
12600	16,78	86		-	**121**	91	72	47	36	64685	-		
13100	19,26	75		-	**110**	82	63	41	31	67491	-		
13550	21,34	68		-	**103**	74	57	37	28	69502	-		
14100	24,28	60		-	**94**	65	50	33	25	72195	-		
13300	29,88	49		-	**72**	53	41	27	20	81282	-		
13800	34,28	42		-	**65**	46	35	23	18	84864	-		
14250	38,00	38		-	**61**	42	32	21	16	85187	-		
14750	43,22	34		-	**55**	37	28	18	14	80404	-		
15000	49,75	29		-	**49**	32	24	16	12	76000	-		
15000	55,53	26		-	**44**	29	22	14	11	76000	-		
15000	62,42	23		-	**39**	25	19	13	9,6	76000	-		
15000	70,76	20		63	**34**	22	17	11	8,5	76000	-		
15000	81,06	18		57	**30**	20	15	9,8	7,4	76000	-		
15000	92,80	16		52	**26**	17	13	8,6	6,5	76000	-		
15000	103,24	14		47	**23**	15	12	7,7	5,8	76000	-		
15000	115,87	13		42	**21**	14	10	6,8	5,2	76000	-		
15000	86,63	17	**KT874**	56	**28**	18	14	9,2	7,0	76000	-	630	554
15000	98,53	15		50	**25**	16	12	8,1	6,2	76000	-		
15000	113,42	13		43	**22**	14	11	7,1	5,4	76000	-		
15000	126,62	11		39	**19**	13	9,7	6,3	4,8	76000	-		
15000	142,32	10		34	**17**	11	8,6	5,6	4,3	76000	-		
15000	161,34	9,0		30	**15**	10,0	7,6	5,0	3,8	76000	175		
15000	184,83	7,8		27	**13**	8,7	6,7	4,4	3,3	76000	1361		
15000	207,95	7,0		24	**12**	7,8	5,9	3,9	2,9	76000	1664		
15000	235,47	6,2		21	**10**	6,9	5,2	3,4	2,6	76000	1948		
15000	287,10	5,1		17	**8,6**	5,6	4,3	2,8	2,1	76000	2311		
15000	339,70	4,3		15	**7,3**	4,8	3,6	2,4	1,8	76000	2584		
15000	383,99	3,8		13	**6,5**	4,2	3,2	2,1	1,6	76000	2648		
15000	438,70	3,3		11	**5,7**	3,7	2,8	1,9	1,4	76000	2688		

K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

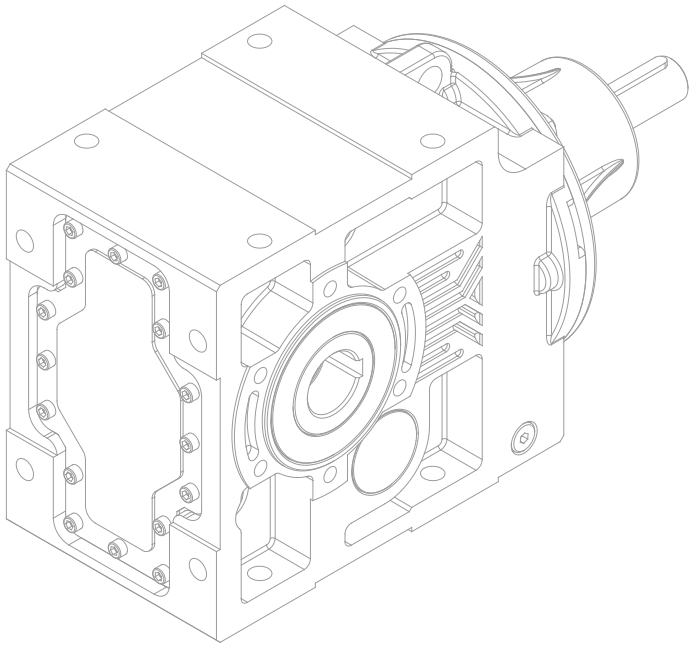
Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
15000	463,83	3,1	**KT875**	11	**5,5**	3,6	2,7	1,8	1,4	76000	695	640	558
15000	514,05	2,8		9,9	**4,9**	3,2	2,5	1,6	1,2	76000	1122		
15000	584,66	2,5		8,7	**4,3**	2,8	2,2	1,4	1,1	76000	1448		
15000	673,01	2,2		7,5	**3,8**	2,5	1,9	1,2	0,94	76000	1551		
15000	751,30	1,9		6,8	**3,4**	2,2	1,7	1,1	0,84	76000	1622		
15000	844,51	1,7		6,0	**3,0**	2,0	1,5	0,99	0,75	76000	1690		
15000	957,34	1,5		5,3	**2,7**	1,7	1,3	0,87	0,66	76000	1754		
15000	1096,71	1,3		4,6	**2,3**	1,5	1,2	0,76	0,58	76000	1814		
15000	1313,07	1,1		3,9	**1,9**	1,3	0,97	0,64	0,48	76000	1838		
15000	1495,27	0,97		3,4	**1,7**	1,1	0,86	0,56	0,42	76000	1852		
15000	1671,18	0,87		3,1	**1,5**	1,0	0,77	0,50	0,38	76000	1865		
15000	1891,08	0,77		2,7	**1,4**	0,89	0,68	0,44	0,34	76000	1875		
15000	2074,42	0,70	**KT876**	2,5	**1,3**	0,83	0,63	0,41	0,31	76000	2042	650	558
15000	2387,89	0,61		2,2	**1,1**	0,72	0,55	0,36	0,27	76000	2067		
15000	2665,68	0,54		2,0	**0,98**	0,64	0,49	0,32	0,27	76000	2085		
15000	2996,39	0,48		1,7	**0,87**	0,57	0,44	0,29	0,24	76000	2101		
15000	3396,71	0,43		1,5	**0,77**	0,50	0,39	0,25	0,21	76000	2116		
15000	3891,23	0,37		1,3	**0,67**	0,44	0,34	0,24	0,19	76000	2131		
15000	4299,81	0,34		1,2	**0,61**	0,40	0,30	0,22	0,17	76000	2136		
15000	5018,35	0,29		1,0	**0,52**	0,34	0,26	0,19	0,14	76000	2142		
15000	5902,70	0,25		0,89	**0,45**	0,29	0,25	0,16	0,12	76000	2147		
15000	7017,76	0,21		0,75	**0,38**	0,27	0,21	0,14	0,10	76000	2152		
15000	7938,12	0,18		0,67	**0,33**	0,24	0,18	0,12	0,09	76000	2155		
15000	9052,24	0,16		0,58	**0,29**	0,21	0,16	0,11	0,08	76000	2158		
15000	11245,67	0,13		0,52	**0,26**	0,19	0,15	0,10	0,07	76000	2162		
15000	12789,19	0,11		0,46	**0,23**	0,17	0,13	0,08	0,06	76000	2164		
11300	11,69	124	**KT973**	252	**153**	115	93	71	58	77710	20760	1045	562
11600	13,06	111		232	**140**	106	85	65	53	80410	20630		
11950	14,65	99		213	**129**	97	78	60	47	83470	20500		
12300	16,51	88		194	**118**	89	72	54	42	86610	20370		
12680	18,73	77		176	**107**	81	65	50	38	90120	20240		
19120	22,05	66		232	**137**	91	70	47	36	77500	20630		
19200	24,73	59		212	**123**	82	63	42	32	77500	20500		
19280	27,88	52		194	**109**	73	56	37	28	77500	20380		
19380	31,63	46		177	**97**	65	50	33	25	76500	20270		
19510	38,21	38		147	**82**	54	42	27	21	75500	20430		
19600	42,86	34		135	**73**	49	37	24	19	75000	20360		
19700	48,31	30		124	**65**	43	33	22	16	74500	20290		
19800	54,80	26		112	**58**	38	29	19	14	74000	20220		
19940	64,28	23		96	**50**	33	25	16	12	73500	20150		
20000	71,60	20		87	**45**	29	22	15	11	73500	20100		
20000	80,31	18		78	**40**	26	20	13	9,9	73500	20060		
20000	90,85	16		69	**35**	23	18	12	8,7	73500	20020		
20000	103,87	14		61	**31**	20	16	10	7,7	73500	19980		
20000	117,32	12		55	**28**	18	14	9,0	6,8	73500	19950		
20000	130,38	11		49	**25**	16	12	8,1	6,2	73500	19930		
20000	146,20	9,9		44	**22**	14	11	7,2	5,5	73500	19900		
20000	134,57	11	**KT974**	49	**24**	16	12	7,9	6,0	73500	-	1070	566
20000	151,03	9,6		43	**22**	14	11	7,1	5,4	73500	-		
20000	168,94	8,6		39	**19**	13	9,7	6,4	4,8	73500	-		
20000	181,51	8,0		36	**18**	12	9,0	5,9	4,5	73500	-		
20000	238,77	6,1		28	**14**	9,0	6,9	4,5	3,4	73500	5760		
20000	269,15	5,4		24	**12**	8,0	6,1	4,0	3,0	73500	6120		
20000	305,31	4,7		22	**11**	7,1	5,4	3,5	2,7	73500	6020		
20000	358,16	4,0		18	**9,2**	6,0	4,6	3,0	2,3	73500	5880		
20000	398,92	3,6		17	**8,3**	5,4	4,1	2,7	2,1	73500	5790		
20000	361,44	4,0	**KT975**	19	**9,3**	6,1	4,7	3,0	2,3	73500	2970	1090	570
20000	427,72	3,4		16	**7,9**	5,2	3,9	2,6	2,0	73500	2910		
20000	460,51	3,1		15	**7,3**	4,8	3,7	2,4	1,8	73500	2890		

K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Nominal Torques Nenn-drehmomente Ma [Nm] (n1=1450rpm)	*Ratio* Übersetzung i	*Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	*Type* Typ	*Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= Nennleistung [kW] (Bei Betriebsfaktor fs=1,0) *Input speed[rpm]* / Antriebsdrehzahl[upm]						*Per.O.Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	*Per.O.Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	*Weight* Gewicht [kg]	*Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
20000	518,12	2,8	**KT975**	13	**6,5**	4,3	3,3	2,1	1,6	73500	3320	1090	570
20000	586,70	2,5		12	**5,8**	3,8	2,9	1,9	1,4	73500	3260		
20000	659,09	2,2		10	**5,1**	3,4	2,6	1,7	1,3	73500	3230		
20000	715,34	2,0		9,5	**4,7**	3,1	2,4	1,5	1,2	73500	3200		
20000	846,39	1,7		8,0	**4,0**	2,6	2,0	1,3	0,99	73500	3170		
20000	949,26	1,5		7,2	**3,6**	2,3	1,8	1,2	0,89	73500	3150		
20000	1070,02	1,4		6,3	**3,2**	2,1	1,6	1,0	0,79	73500	3130		
20000	1213,78	1,2		5,6	**2,8**	1,8	1,4	0,92	0,70	73500	3100		
20000	1423,89	1,0		4,8	**2,4**	1,6	1,2	0,78	0,59	73500	3060		
20000	1585,92	0,91		4,3	**2,1**	1,4	1,1	0,70	0,53	73500	2650		
20000	1985,89	0,73	**KT976**	3,5	**1,7**	1,1	0,87	0,57	0,43	73500	2800	1090	570
20000	2218,31	0,65		3,1	**1,6**	1,0	0,78	0,51	0,39	73500	2780		
20000	2348,01	0,62		3,0	**1,5**	0,97	0,74	0,48	0,37	73500	2780		
20000	2811,23	0,52		2,5	**1,2**	0,81	0,62	0,41	0,31	73500	2770		
20000	3306,00	0,44		2,1	**1,1**	0,69	0,53	0,35	0,26	73500	2720		
20000	3499,30	0,41		2,0	**1,0**	0,65	0,50	0,33	0,27	73500	2720		
20000	4189,63	0,35		1,7	**0,83**	0,55	0,42	0,27	0,23	73500	2710		
20000	5350,83	0,27		1,3	**0,65**	0,43	0,33	0,24	0,18	73500	2700		
20000	6741,12	0,22		1,0	**0,52**	0,34	0,26	0,19	0,14	73500	2680		
20000	8652,97	0,17		0,81	**0,41**	0,27	0,23	0,15	0,11	73500	2670		
20000	12474,60	0,12		0,56	**0,28**	0,21	0,16	0,10	0,08	73500	2660		
20000	15680,79	0,09		0,50	**0,25**	0,18	0,14	0,09	0,07	73500	2650		

Notes / Notizen

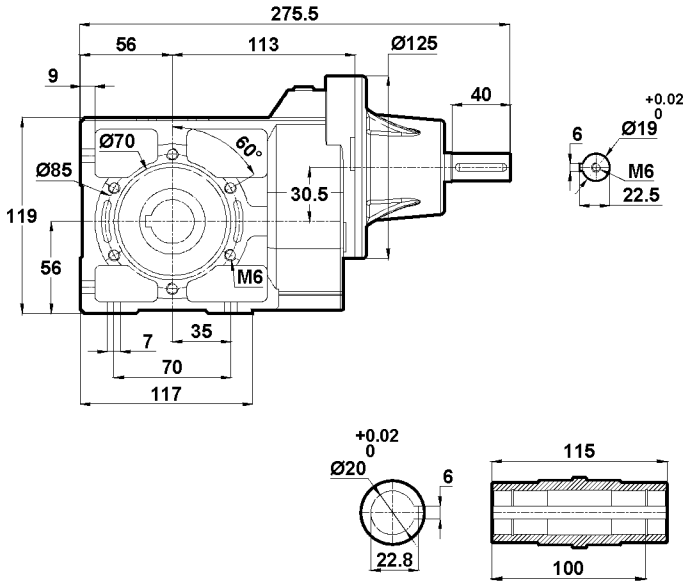
Dimension Pages

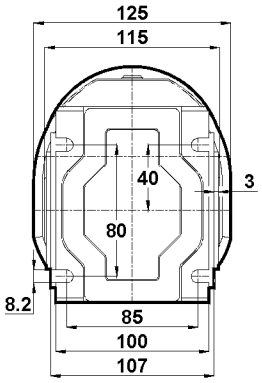


Abmessungsseiten

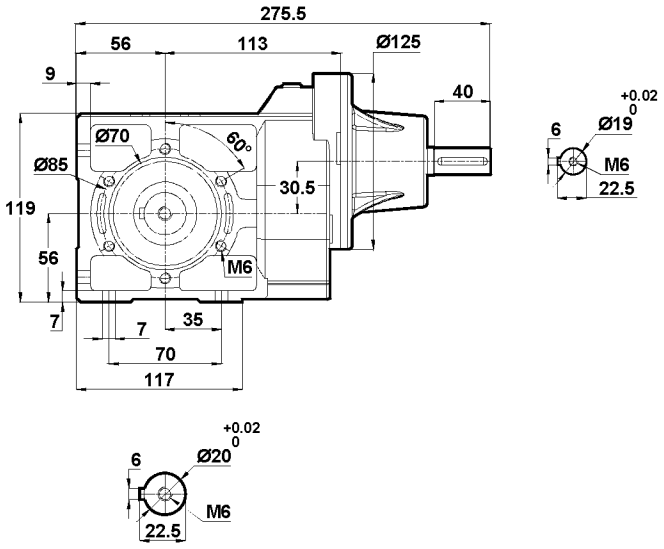
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

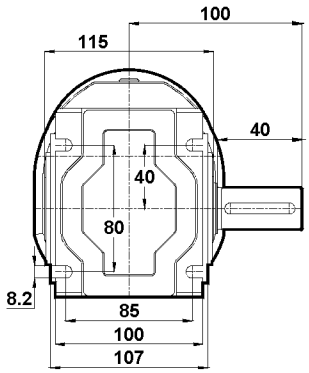
KT002.00
KT003.00



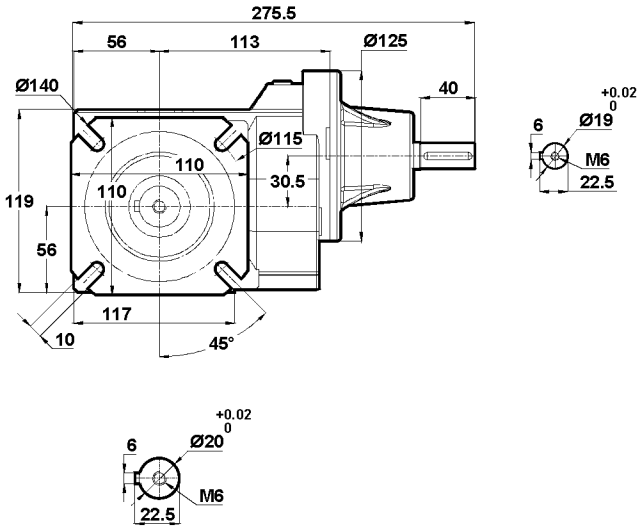


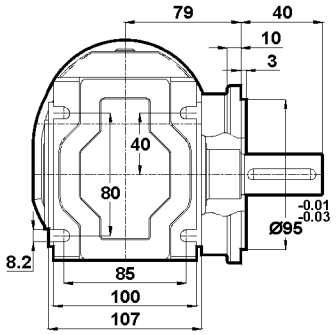
KT002.01
KT003.01





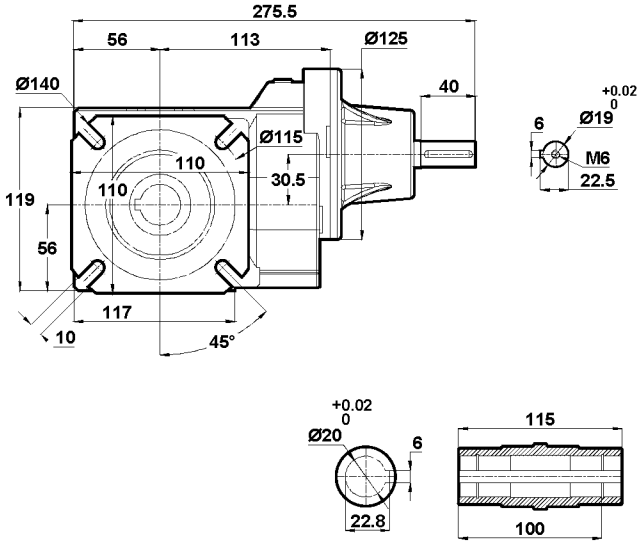
KT002.02
KT003.02

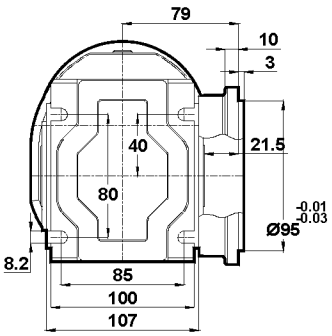




Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT002.03
KT003.03

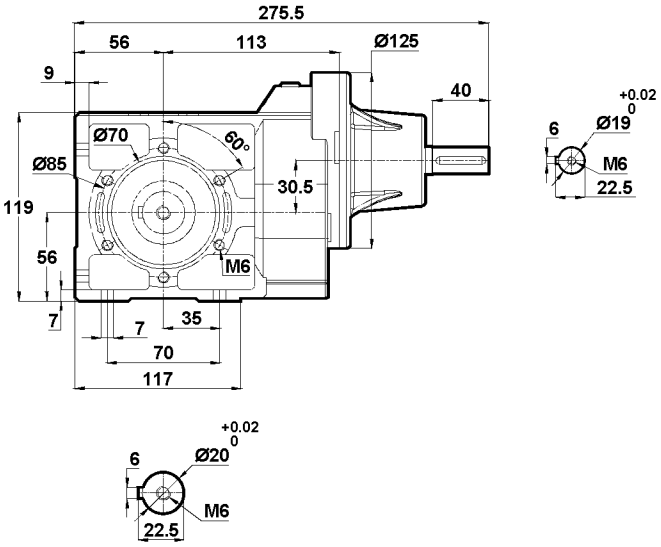


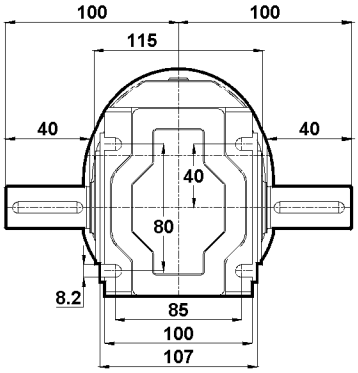


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

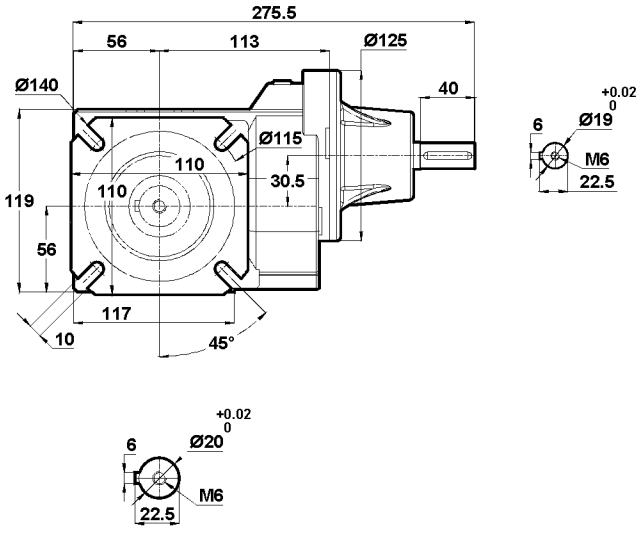
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

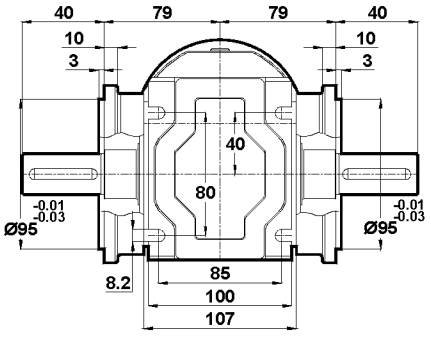
KT002.04
KT003.04





KT002.05
KT003.05

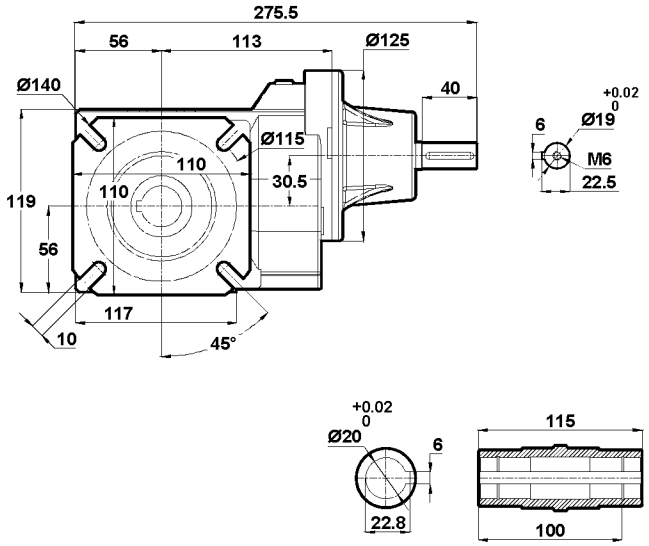


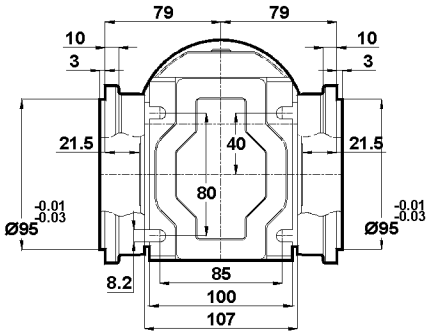


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT002.08
KT003.08

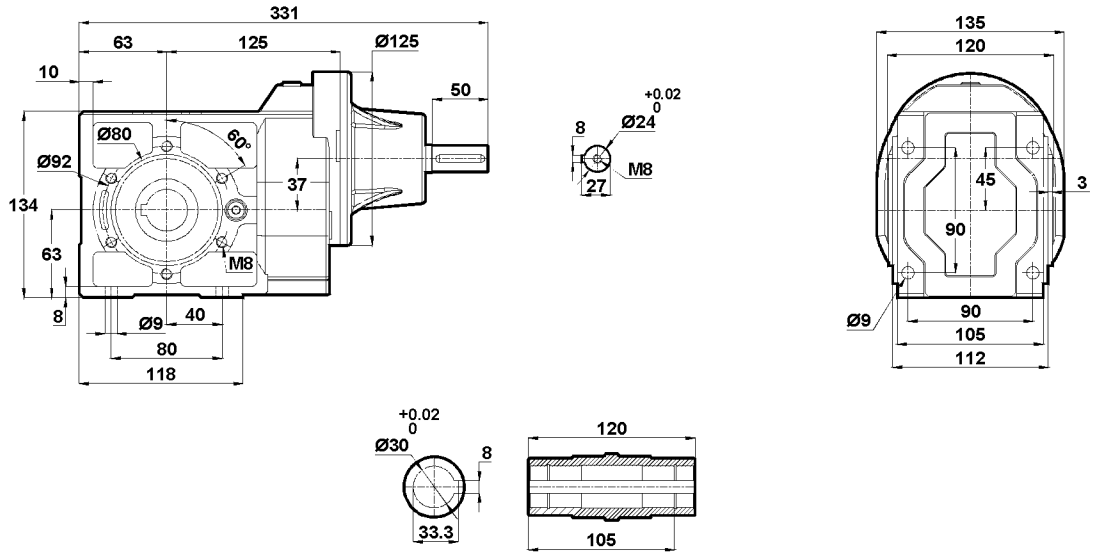




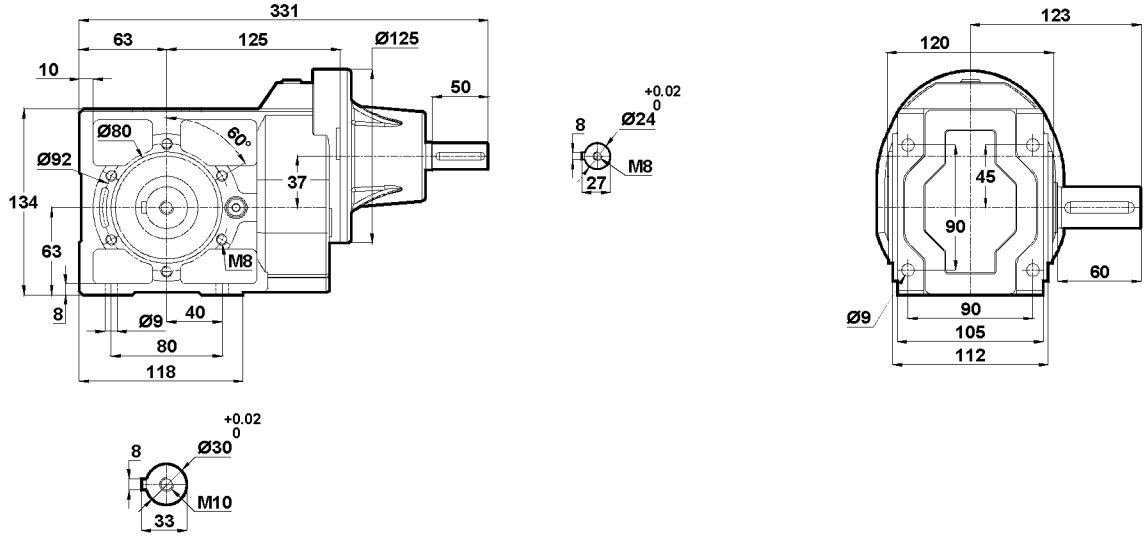
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT102.00
KT103.00

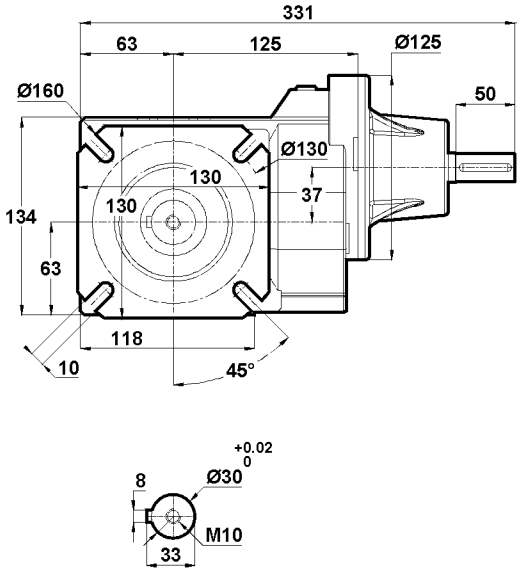


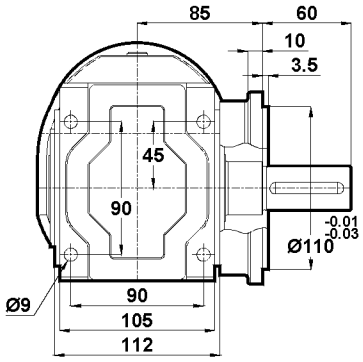
KT102.01
KT103.01



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

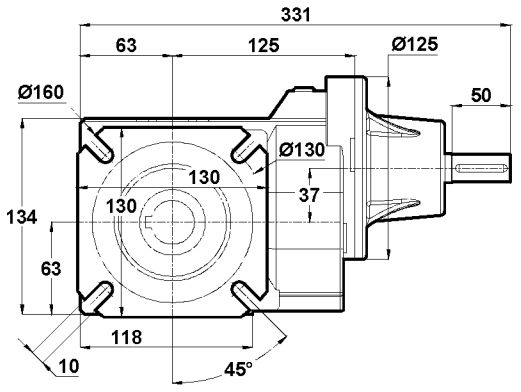
KT102.02
KT103.02

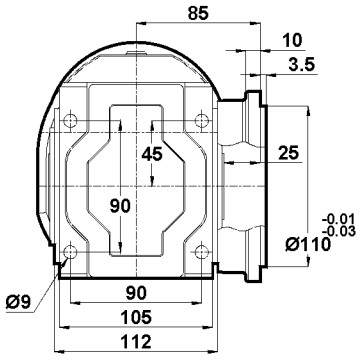


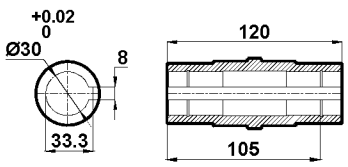


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT102.03
KT103.03



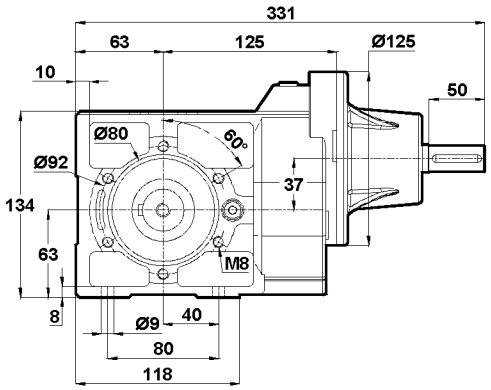


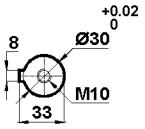


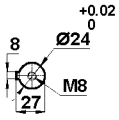
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

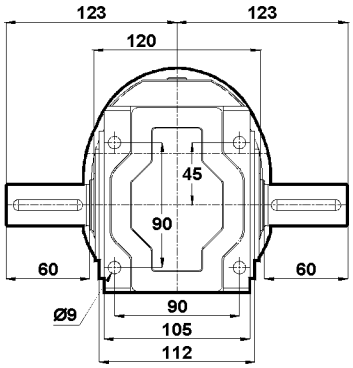
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT102.04
KT103.04

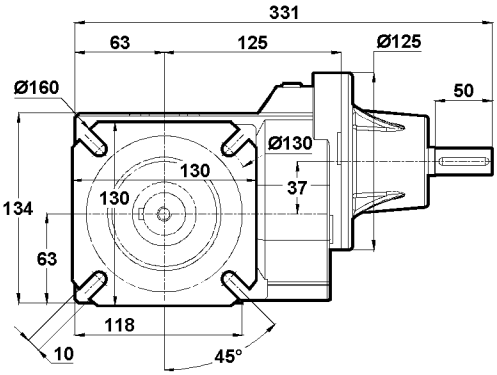


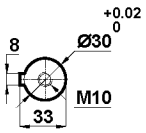


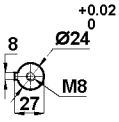


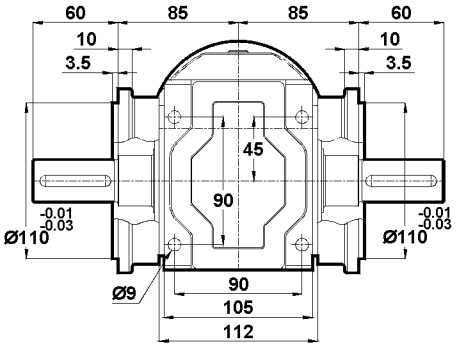


KT102.05
KT103.05





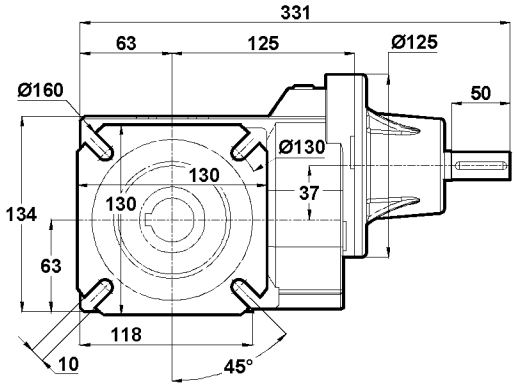


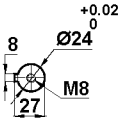


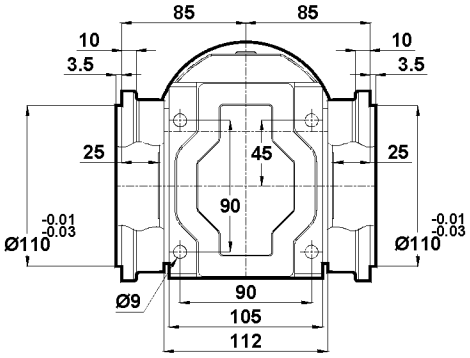
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

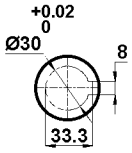
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

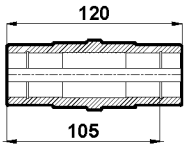
KT102.08
KT103.08







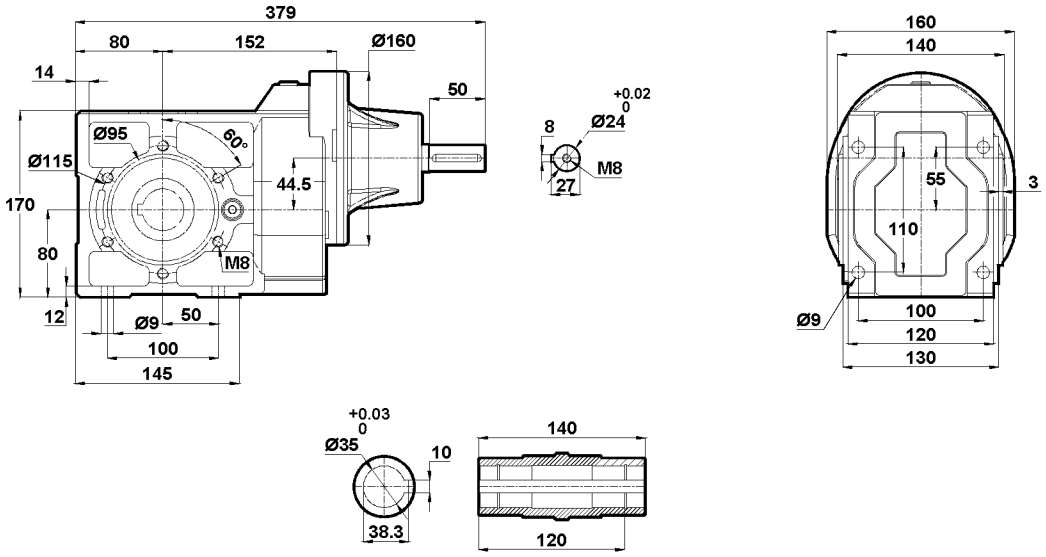




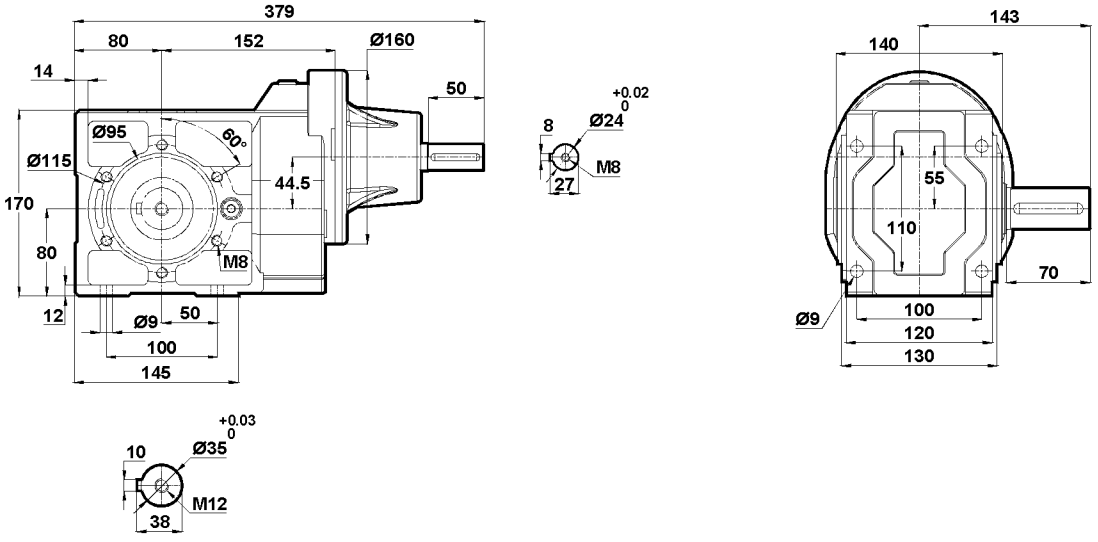
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT202.00
KT203.00

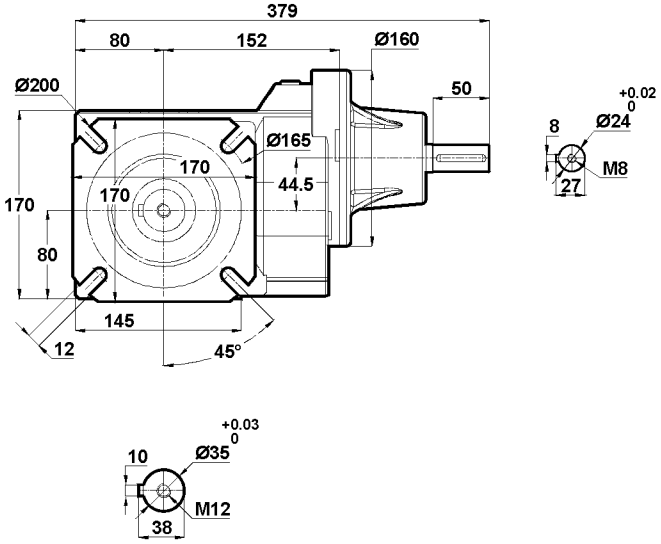


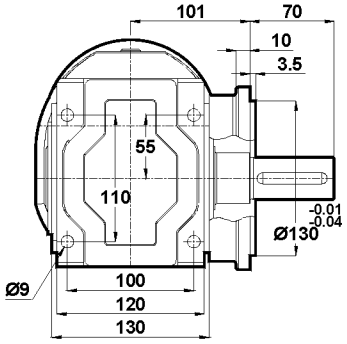
KT202.01
KT203.01



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

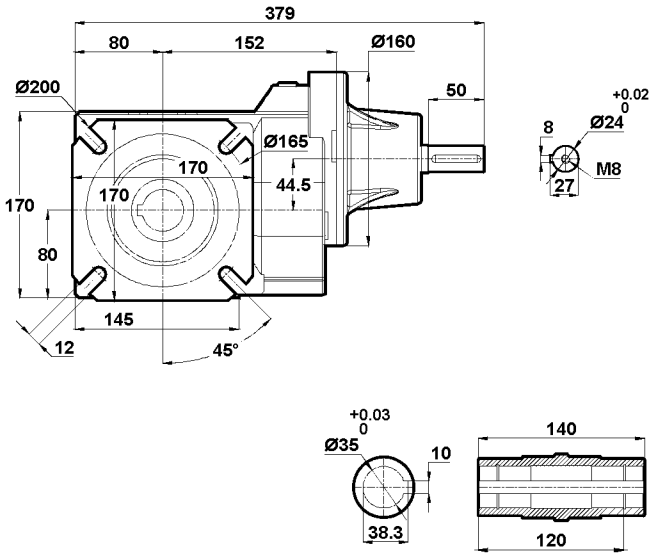
KT202.02
KT203.02

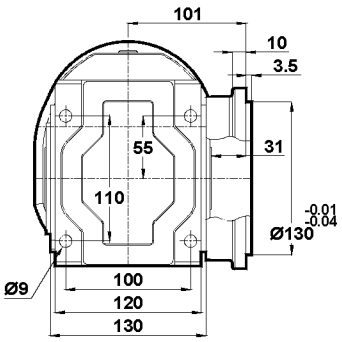




Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT202.03
KT203.03

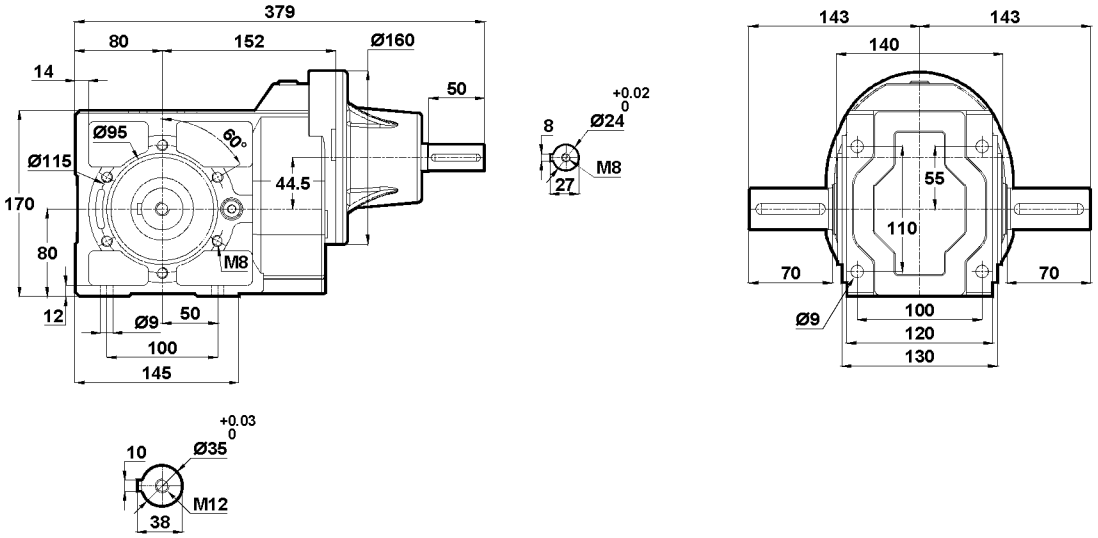




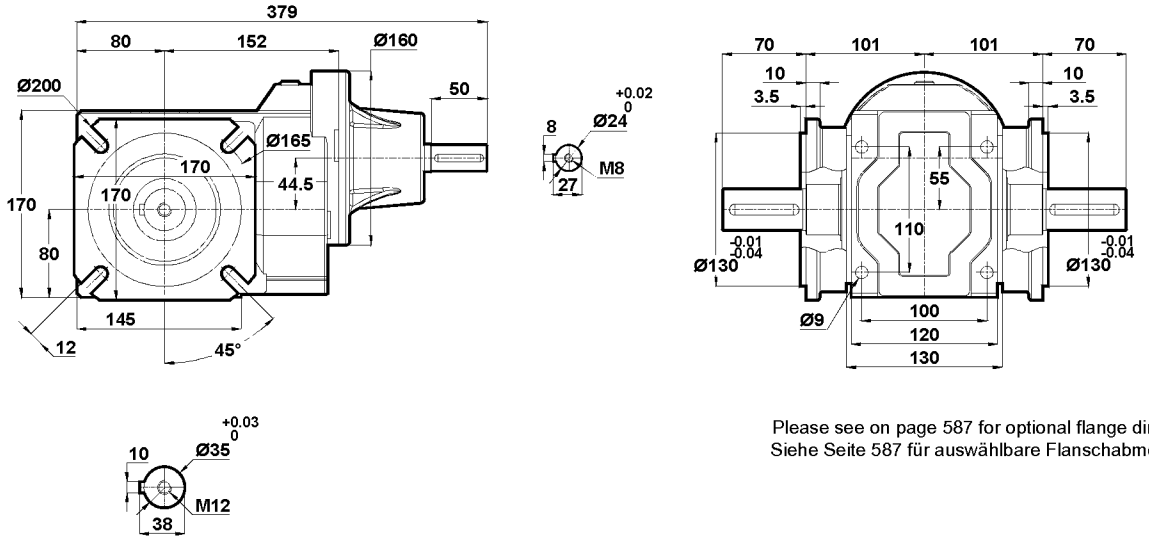
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT202.04
KT203.04



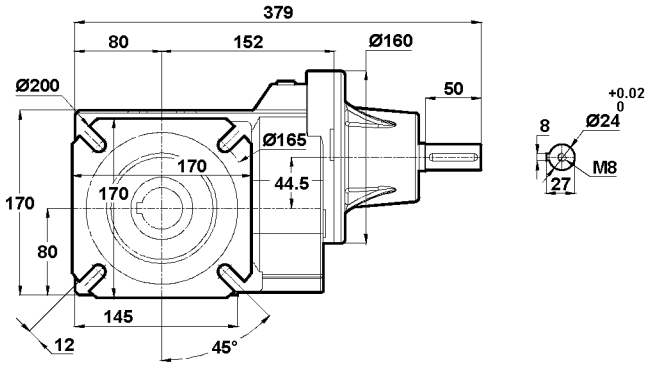
KT202.05
KT203.05

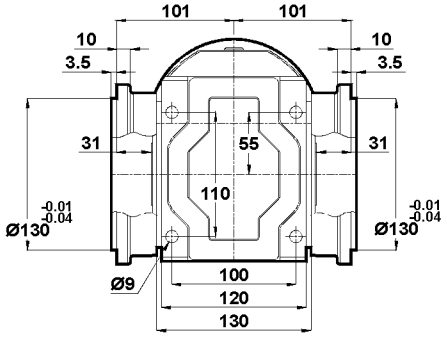


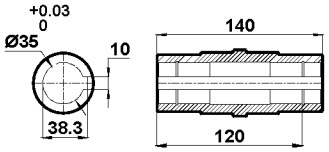
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT202.08
KT203.08



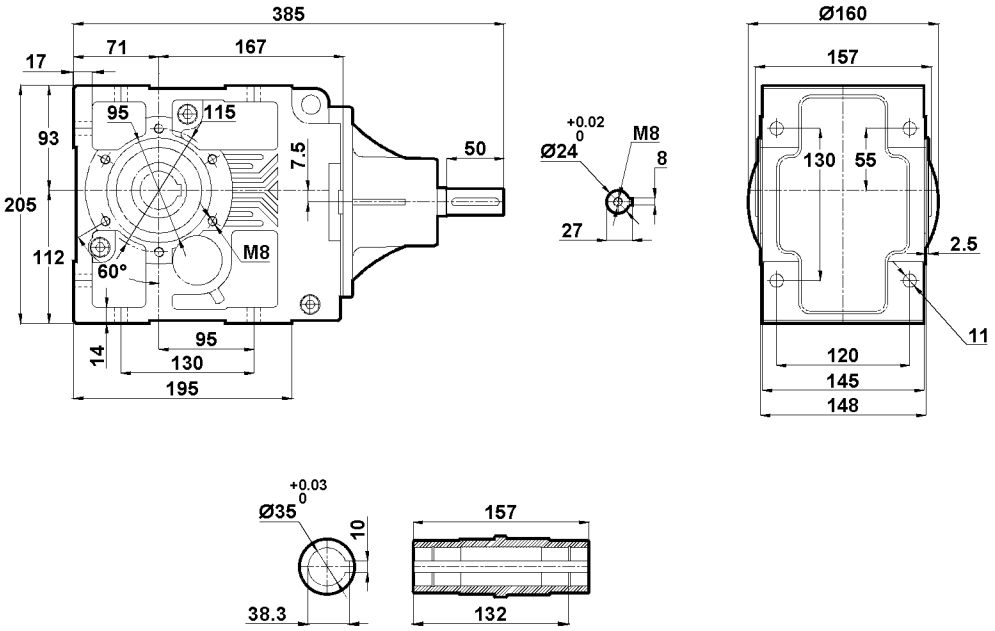




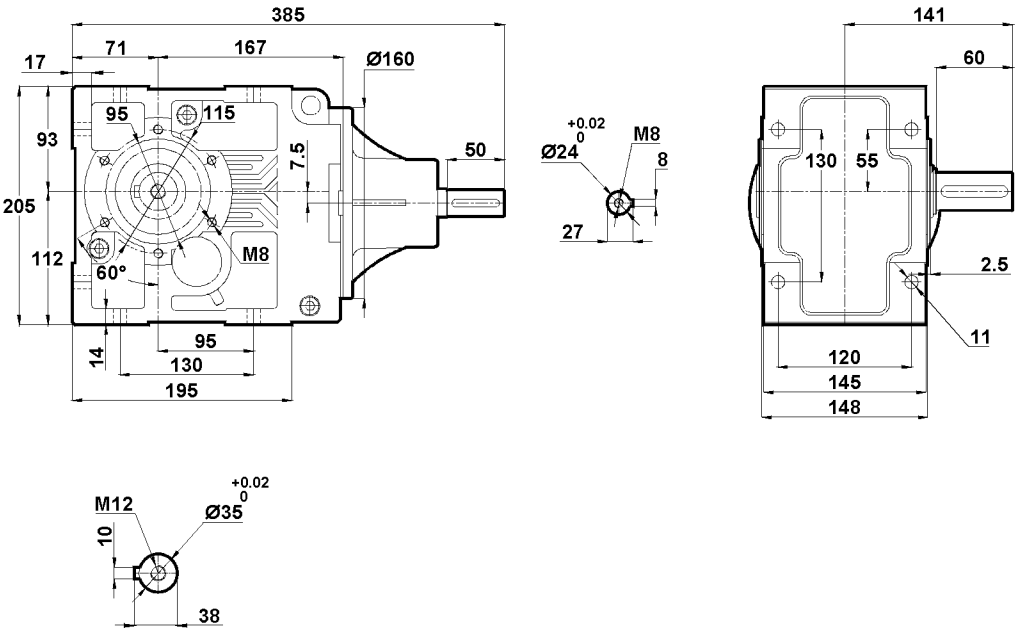
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT273.00

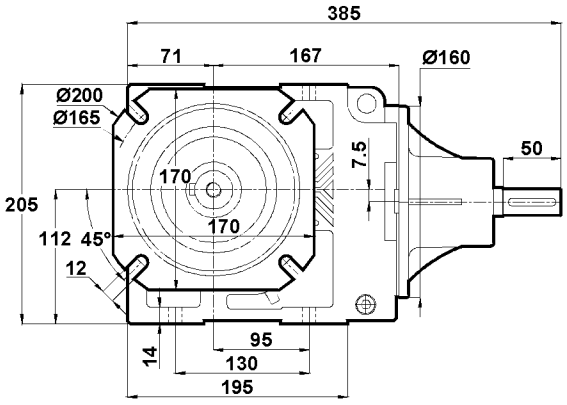


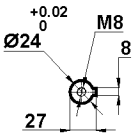
KT273.01

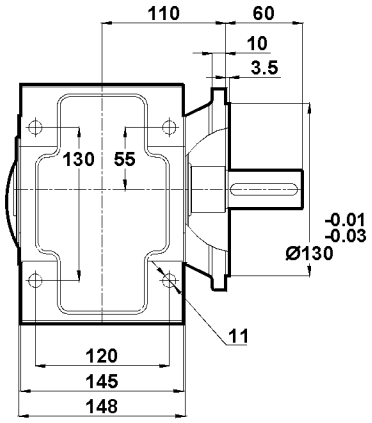


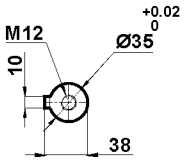
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT273.02



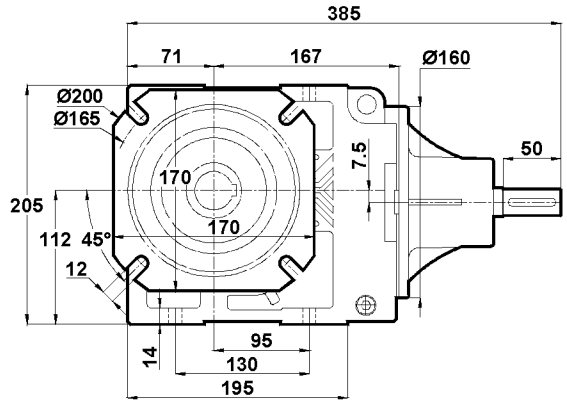


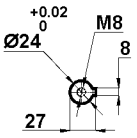


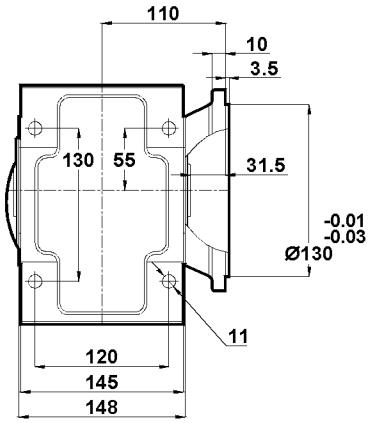


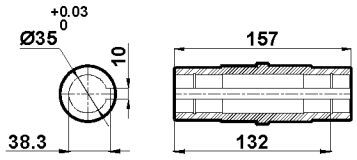
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT273.03





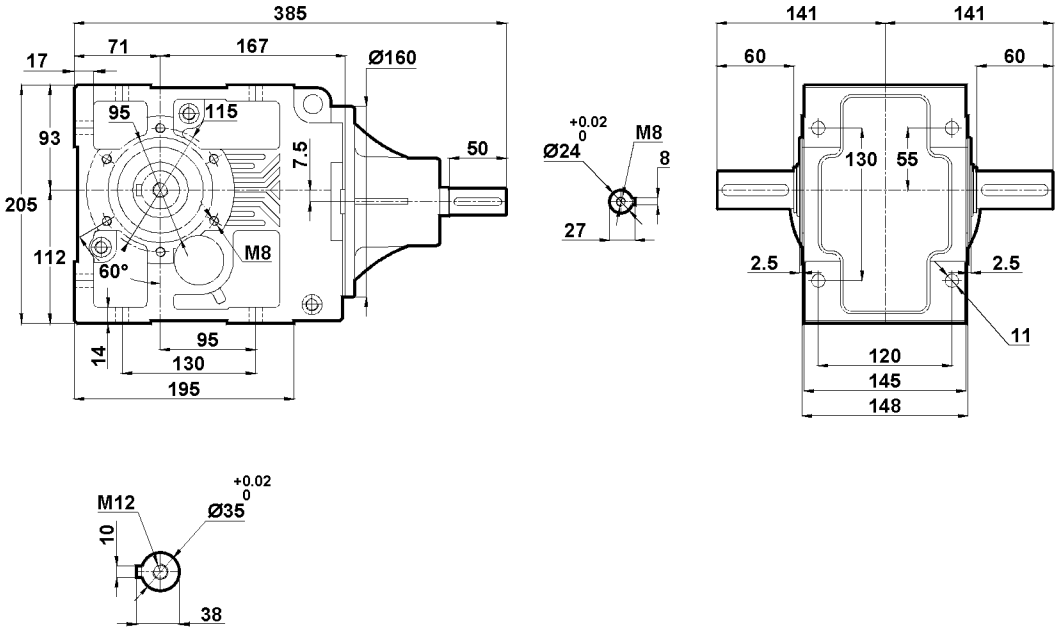




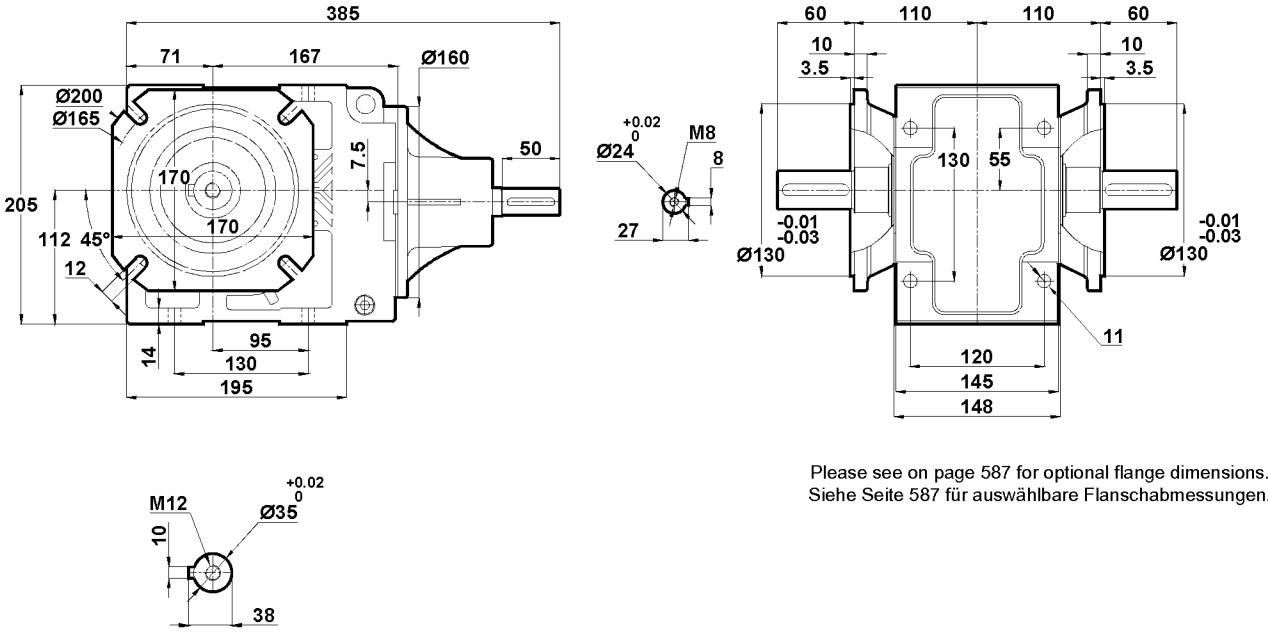
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT273.04



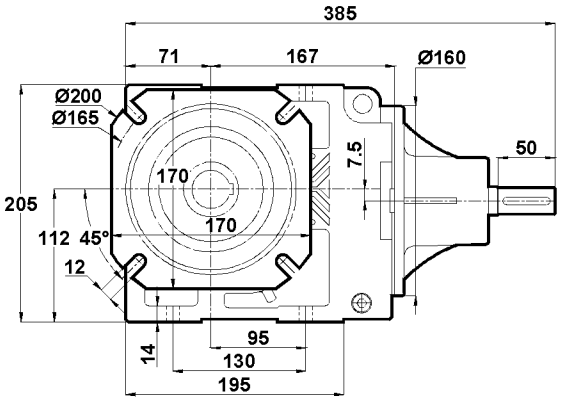
KT273.05

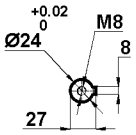


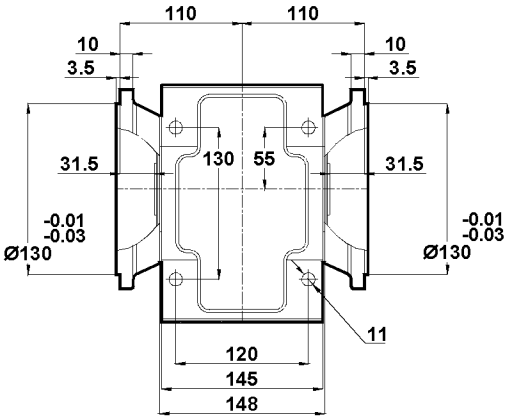
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

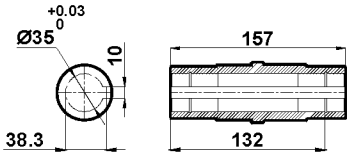
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT273.08





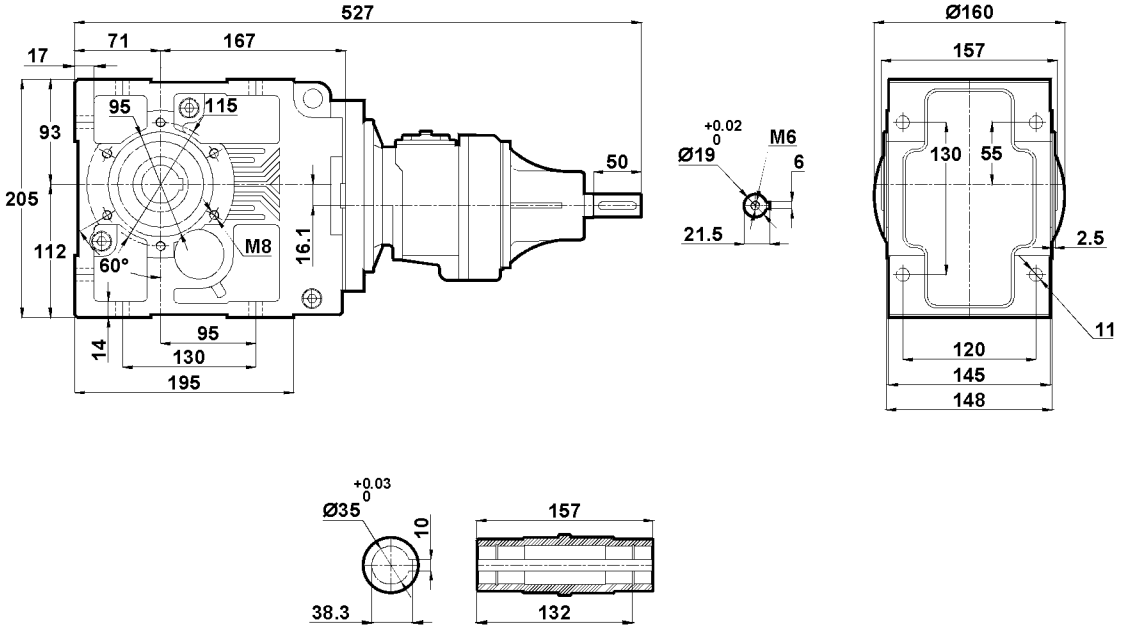




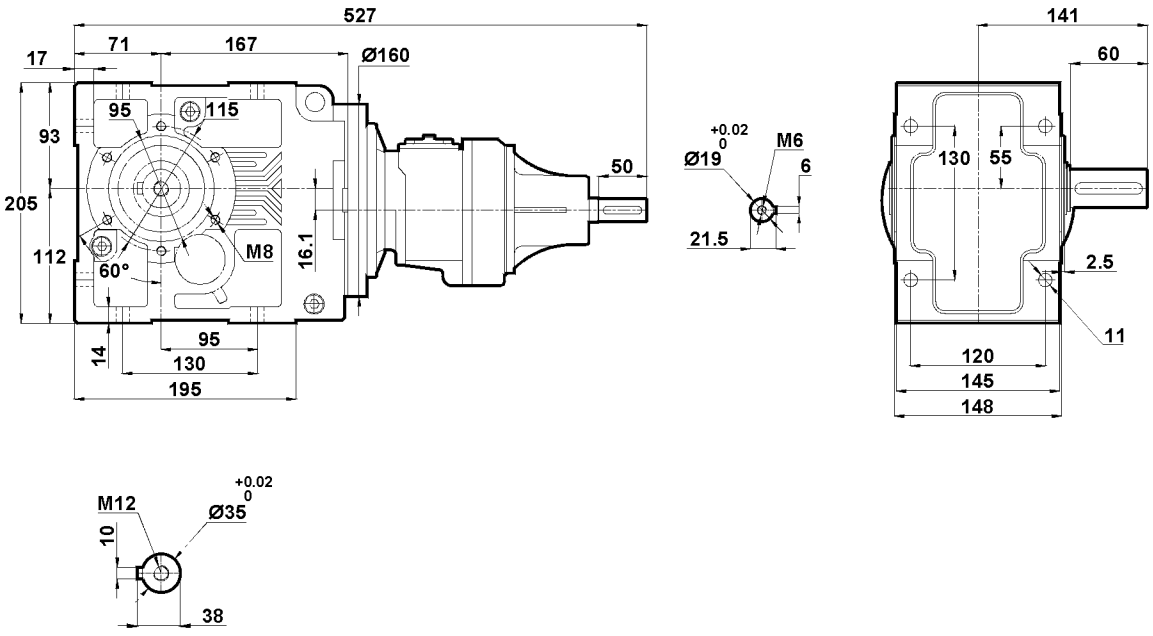
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT275.00
KT276.00

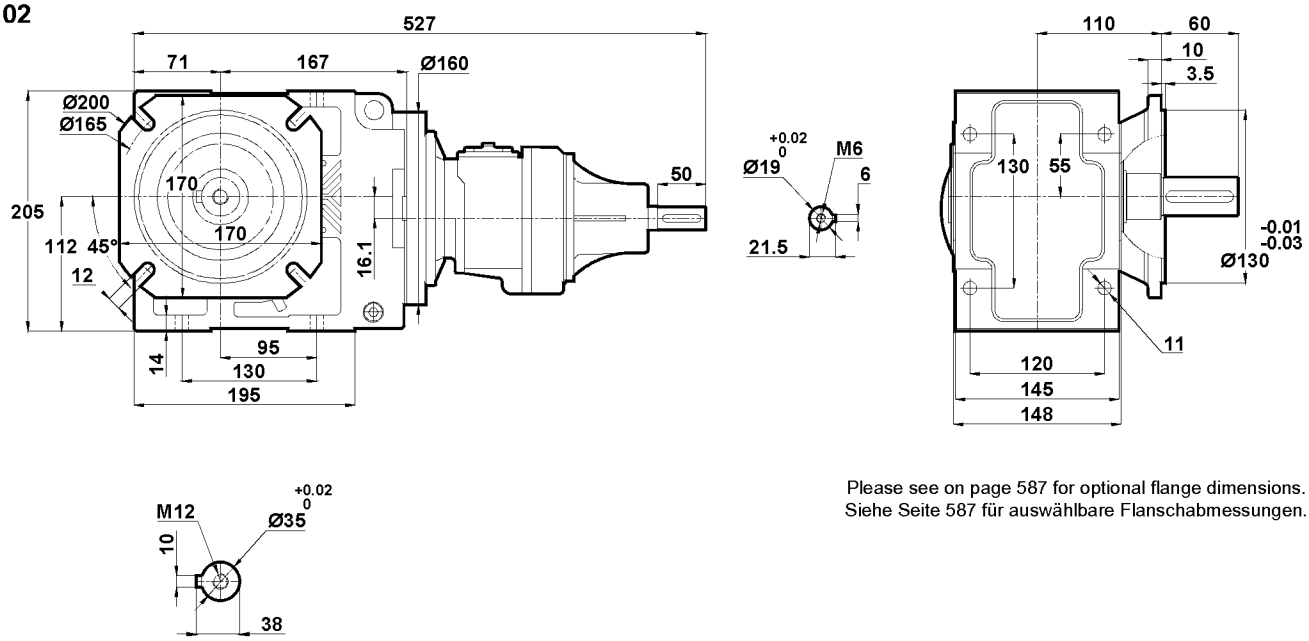


KT275.01
KT276.01



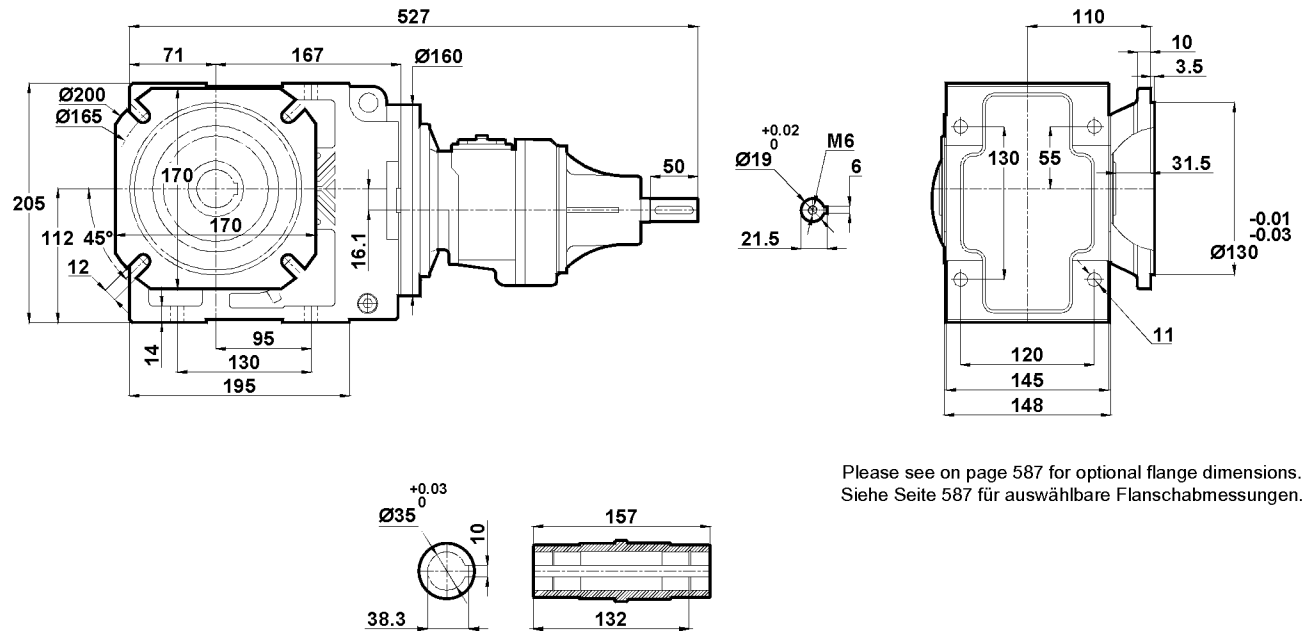
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT275.02
KT276.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

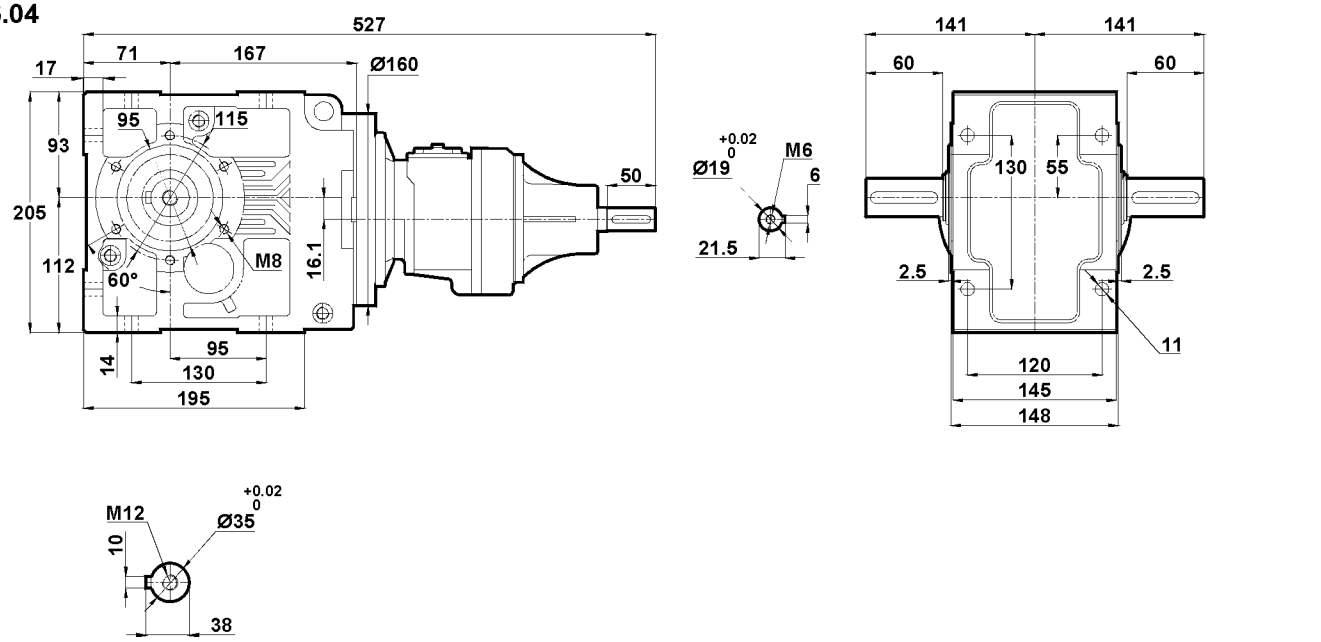
KT275.03
KT276.03



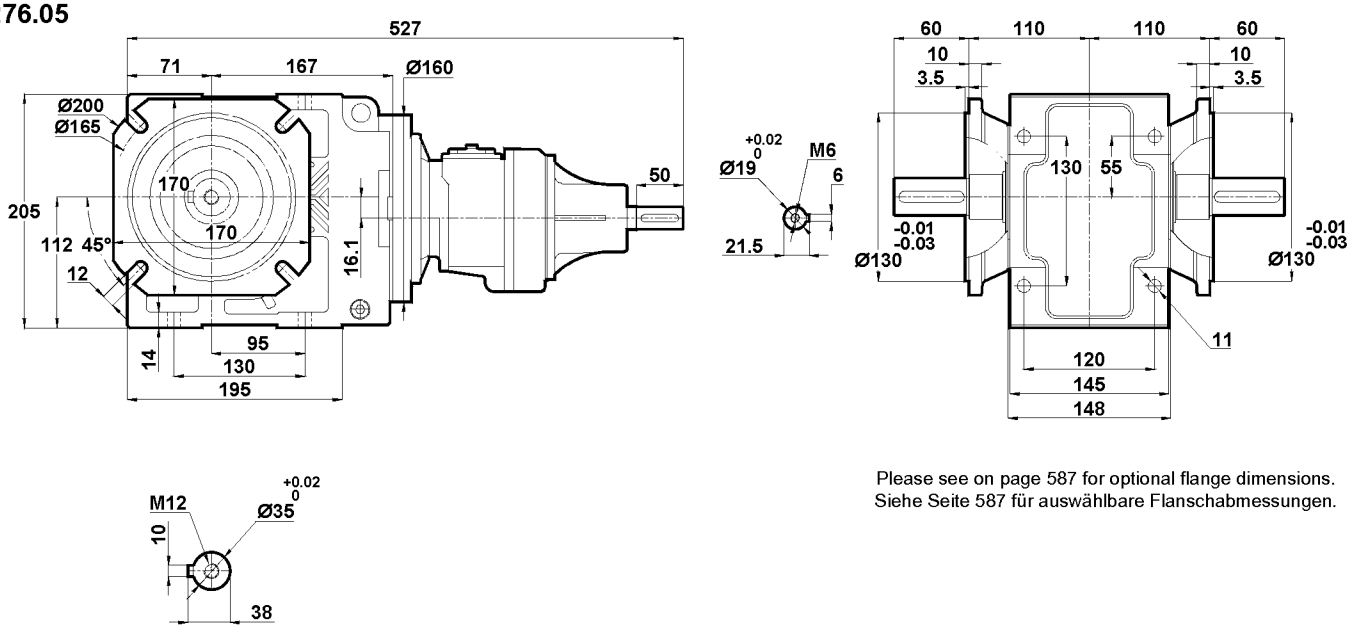
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT275.04
KT276.04



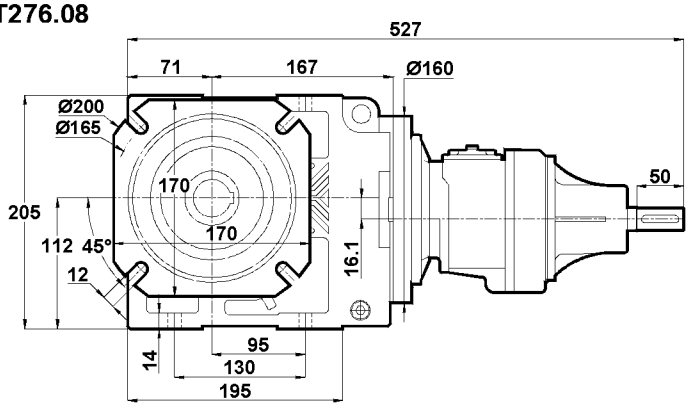
KT275.05
KT276.05

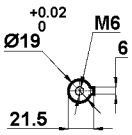


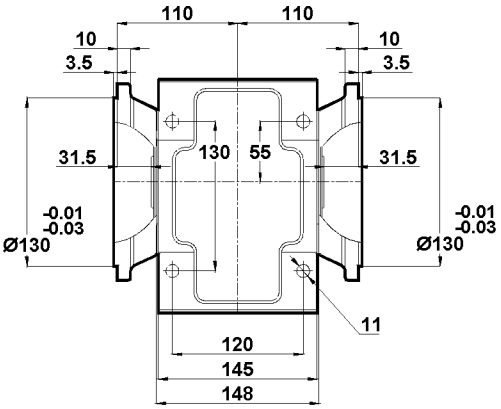
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

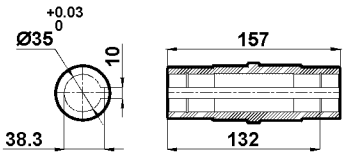
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT275.08
KT276.08





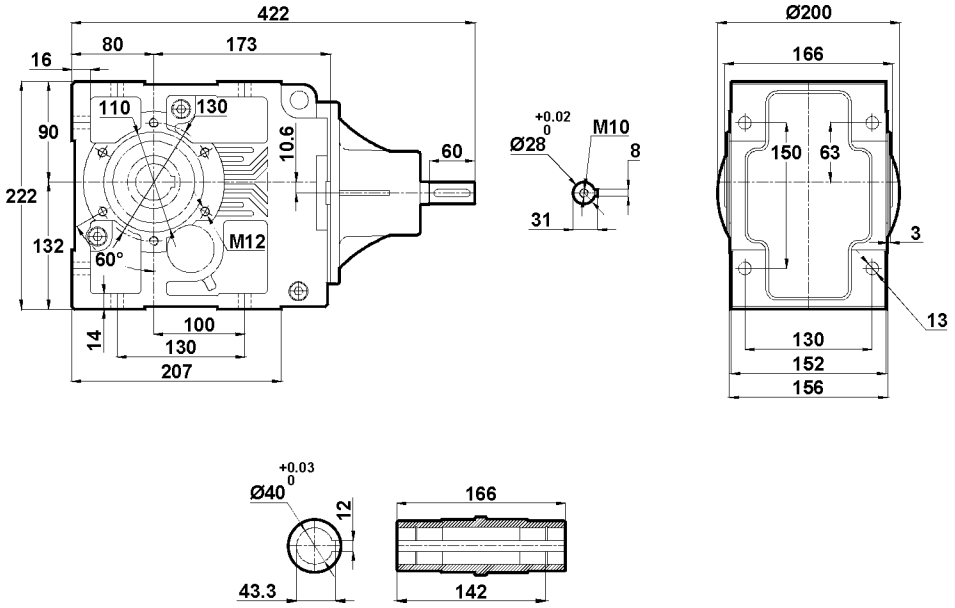




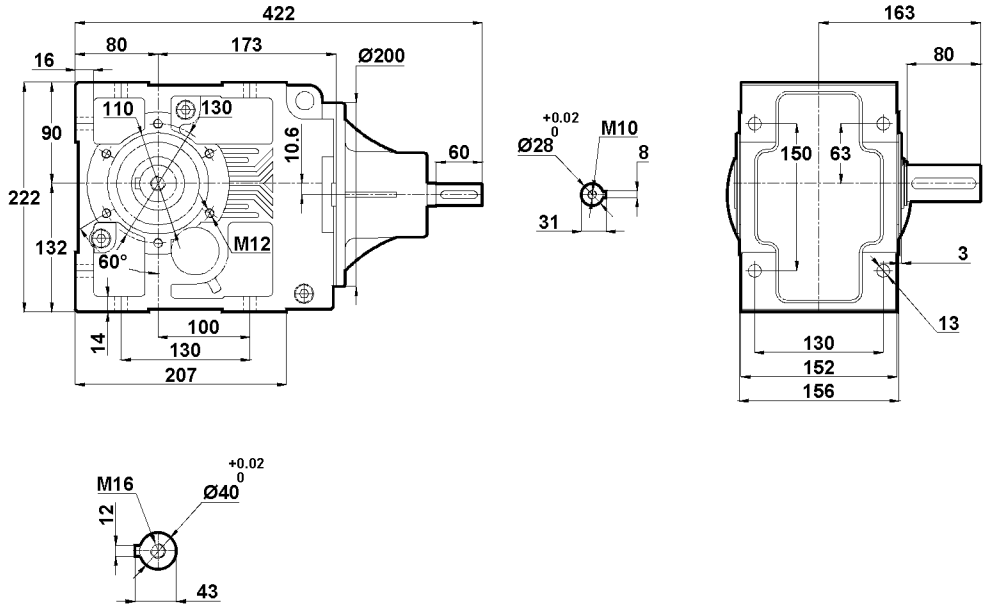
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT283.00

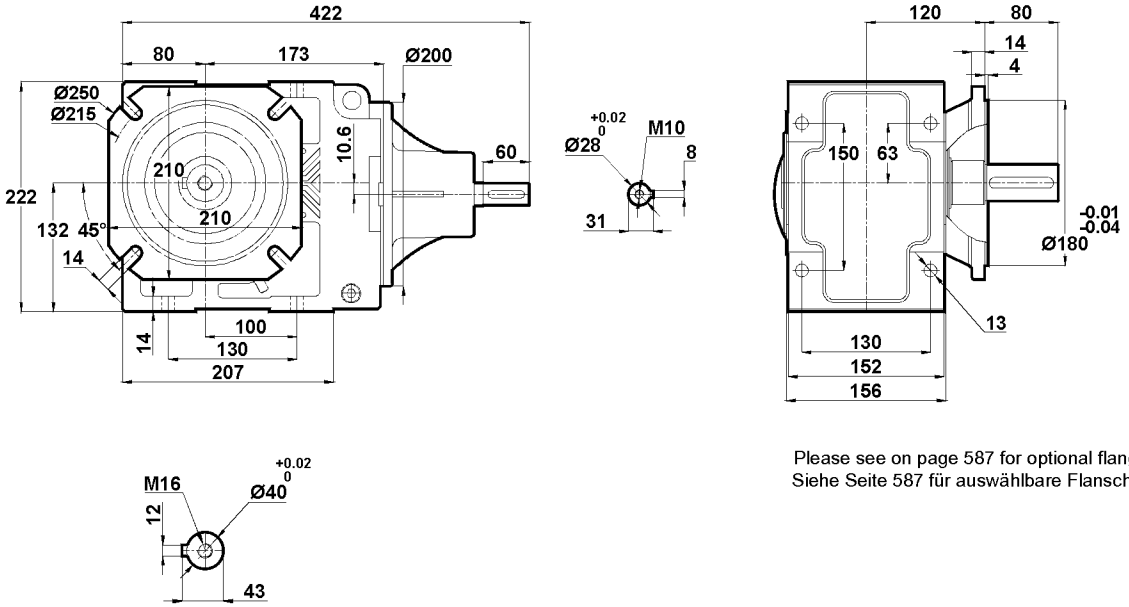


KT283.01



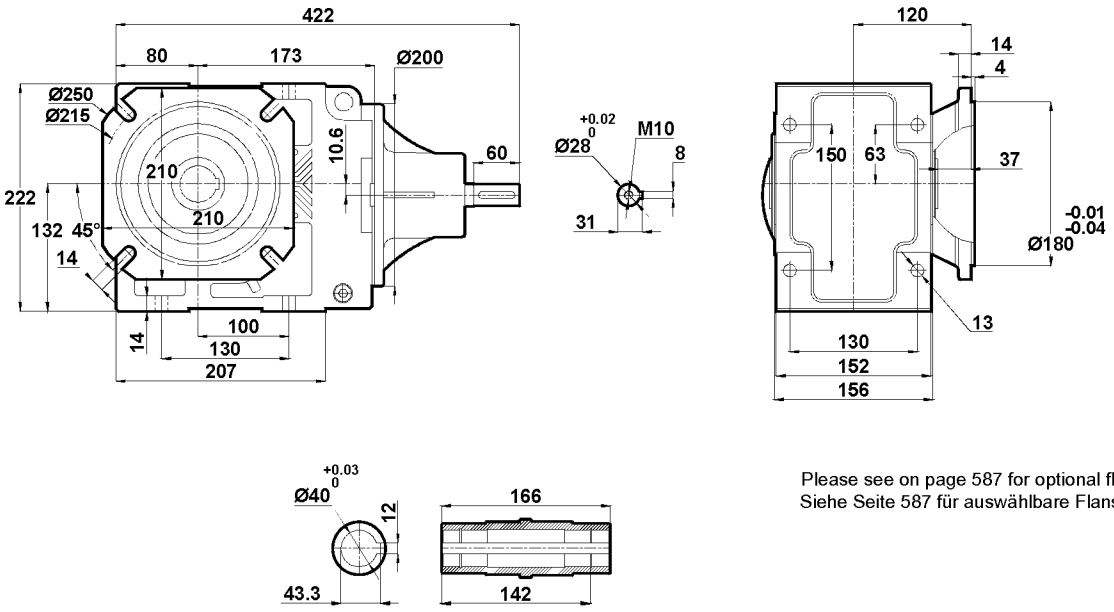
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT283.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

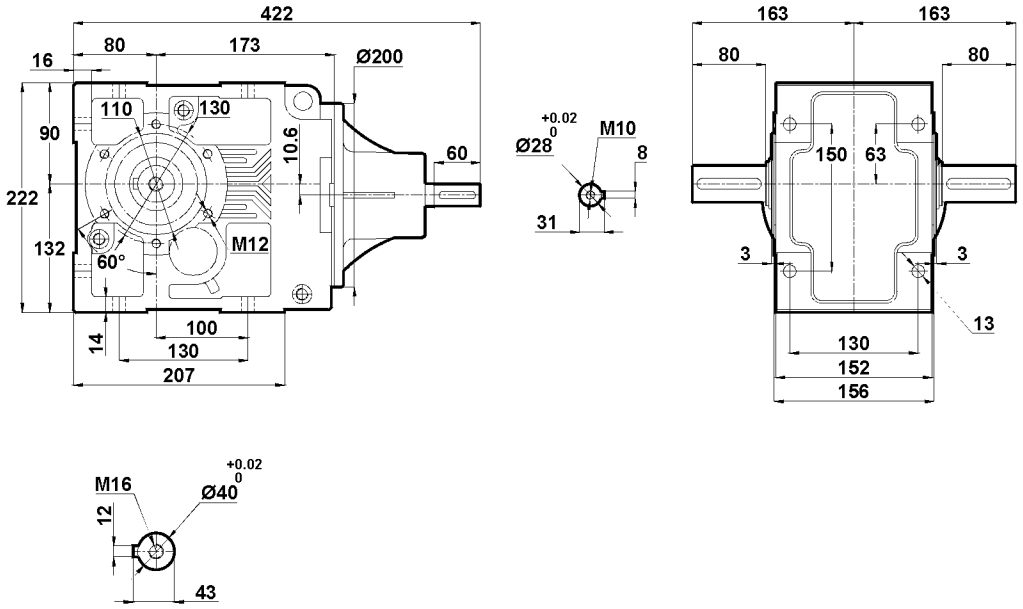
KT283.03



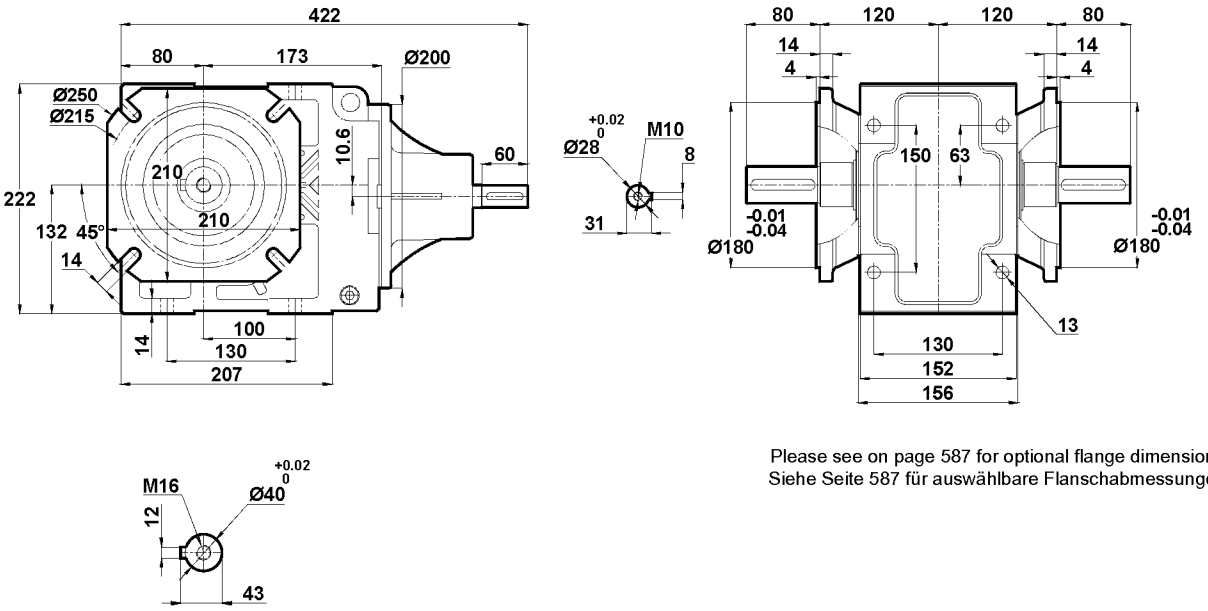
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT283.04



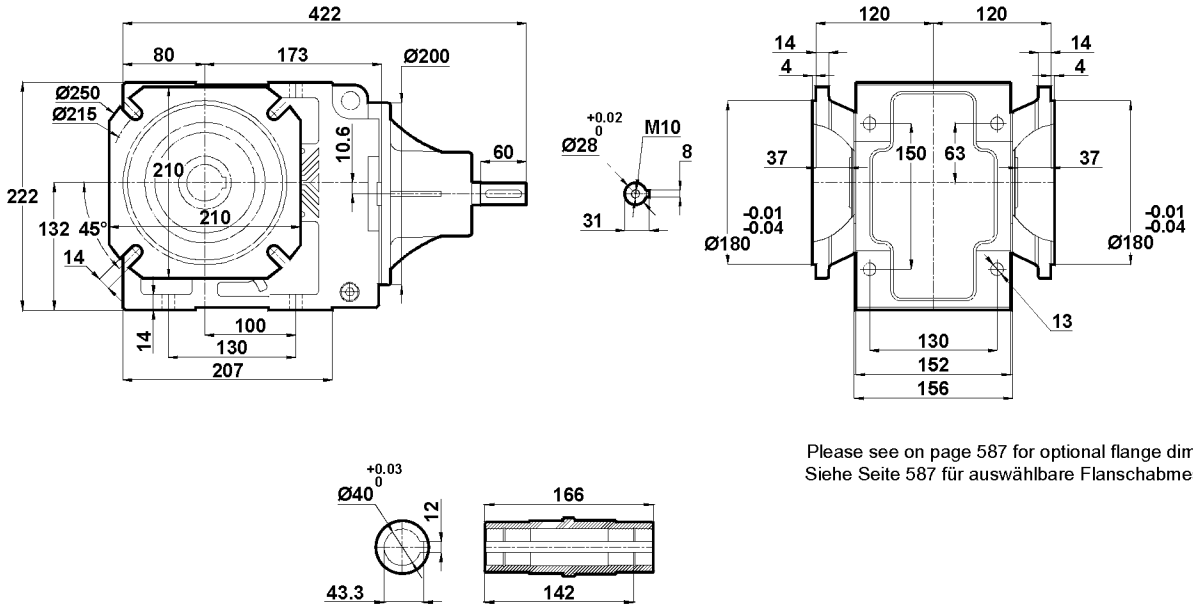
KT283.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

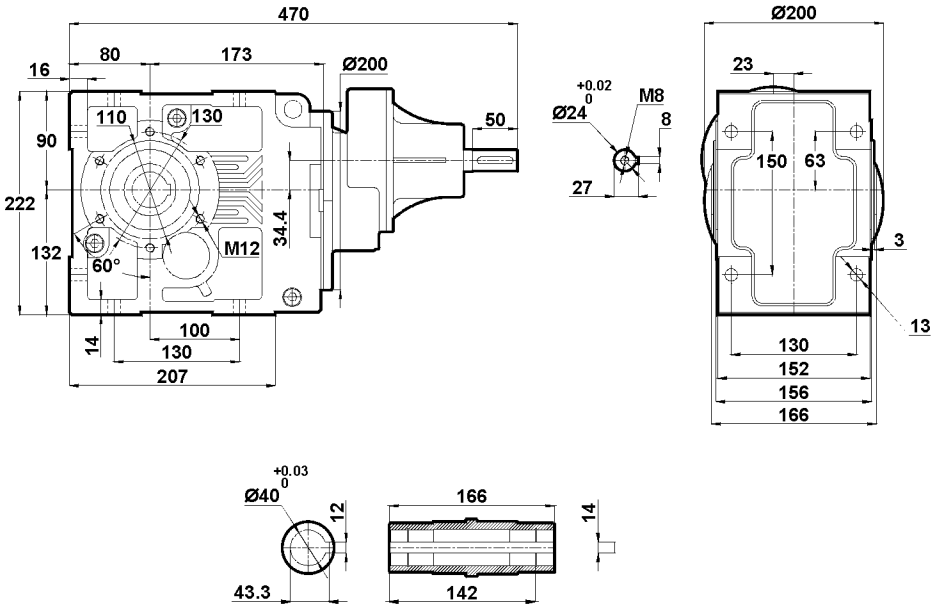
KT283.08



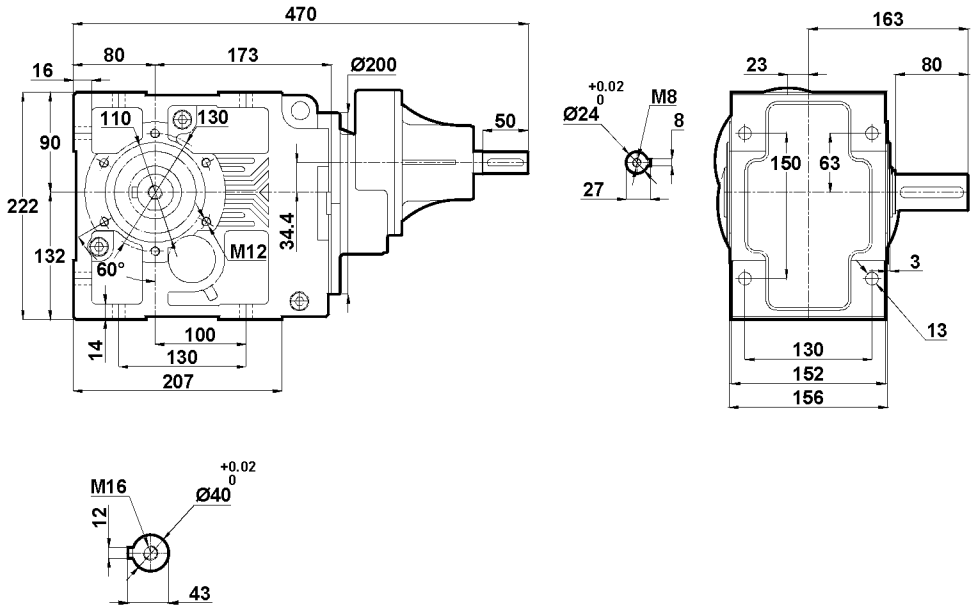
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT284.00

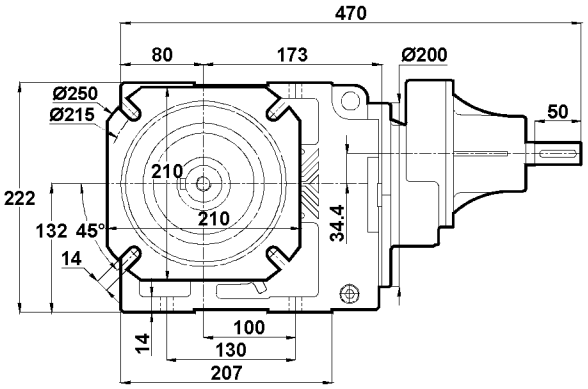


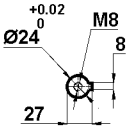
KT284.01

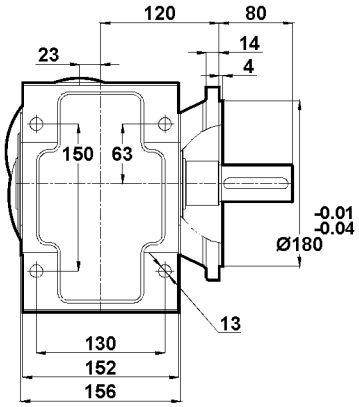


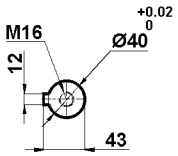
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT284.02



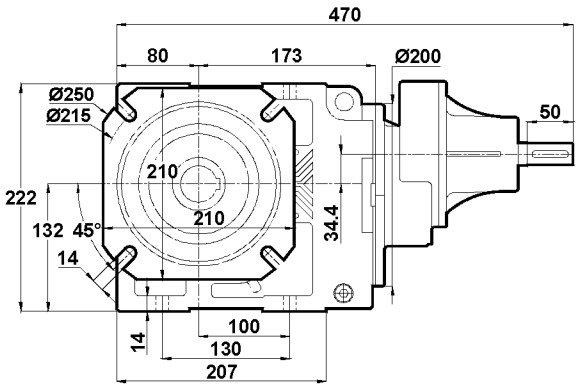


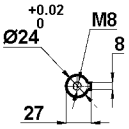


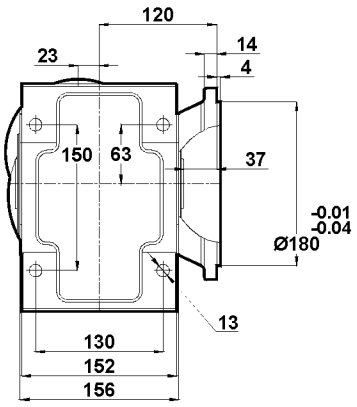


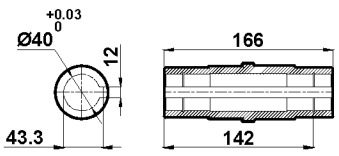
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT284.03





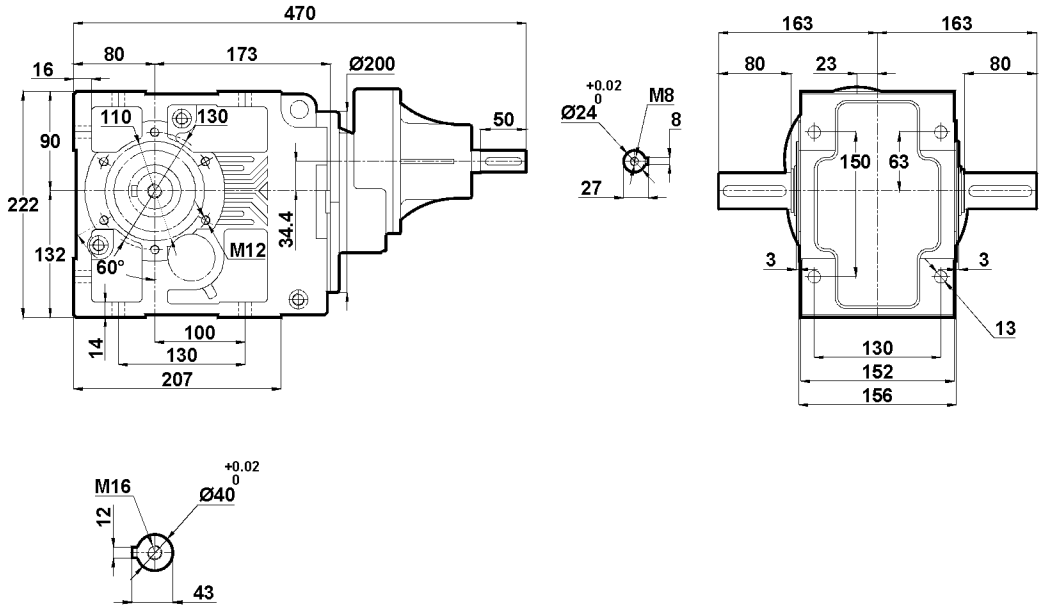




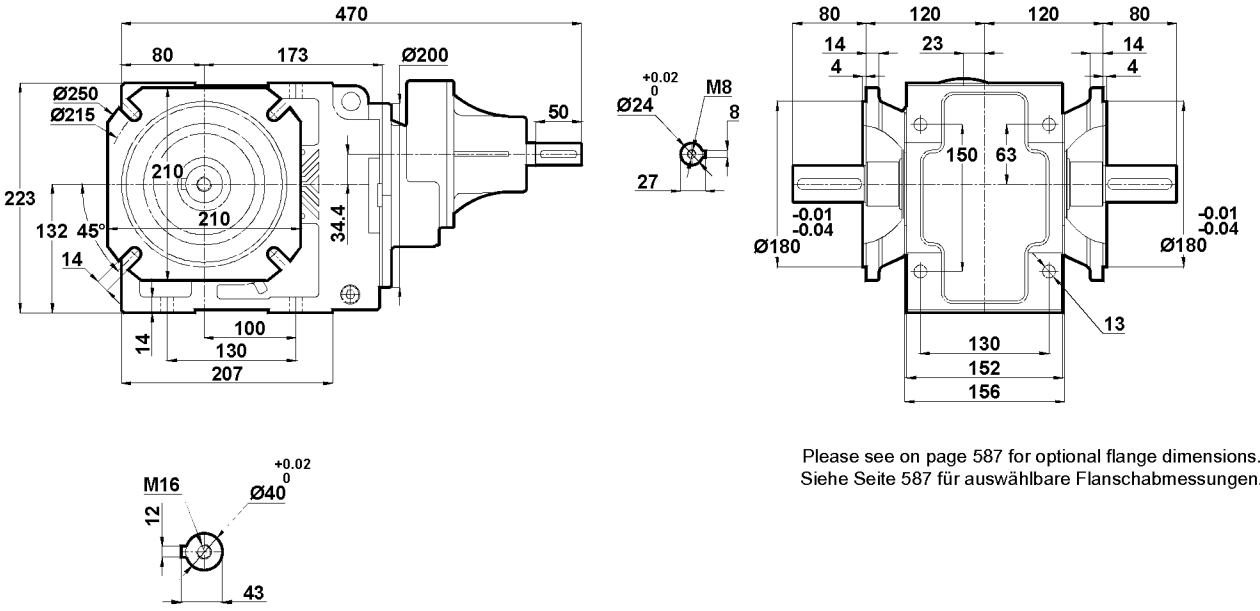
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT284.04



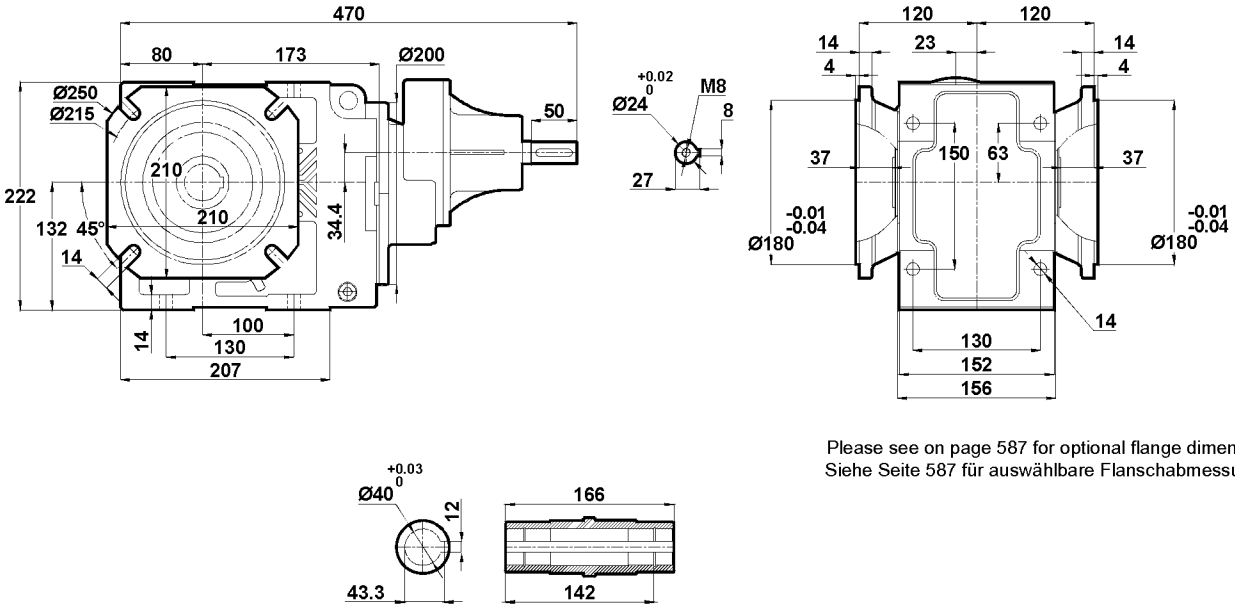
KT284.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

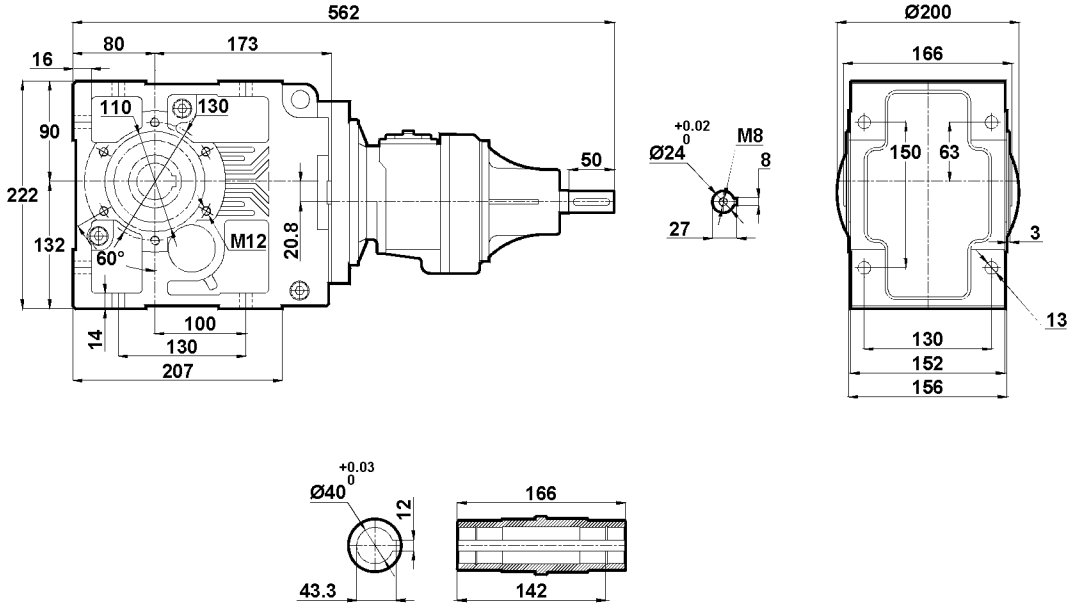
KT284.08



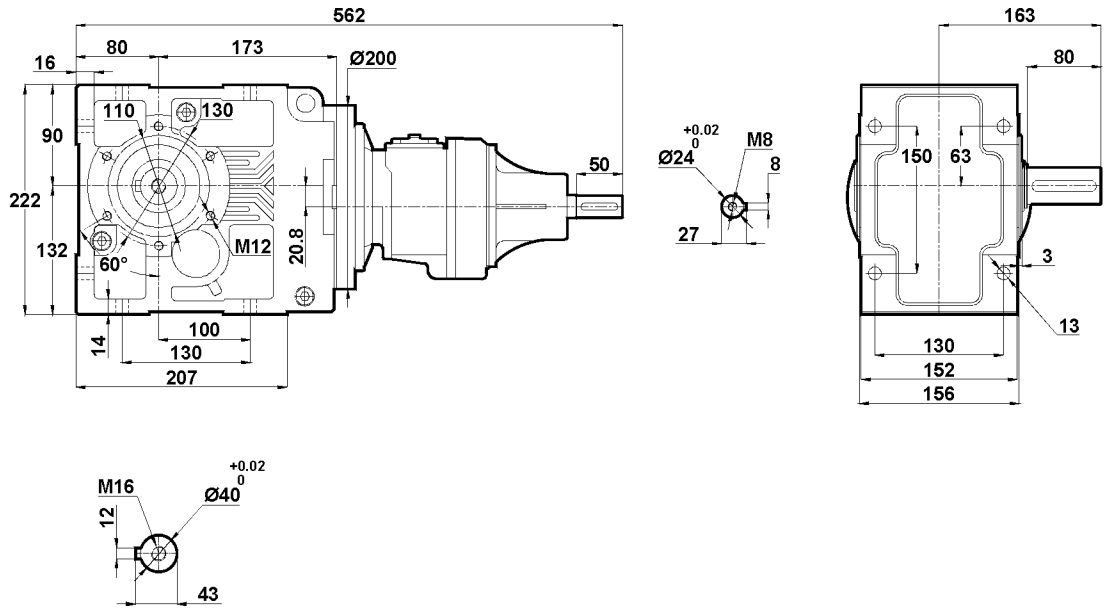
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT285.00
KT286.00

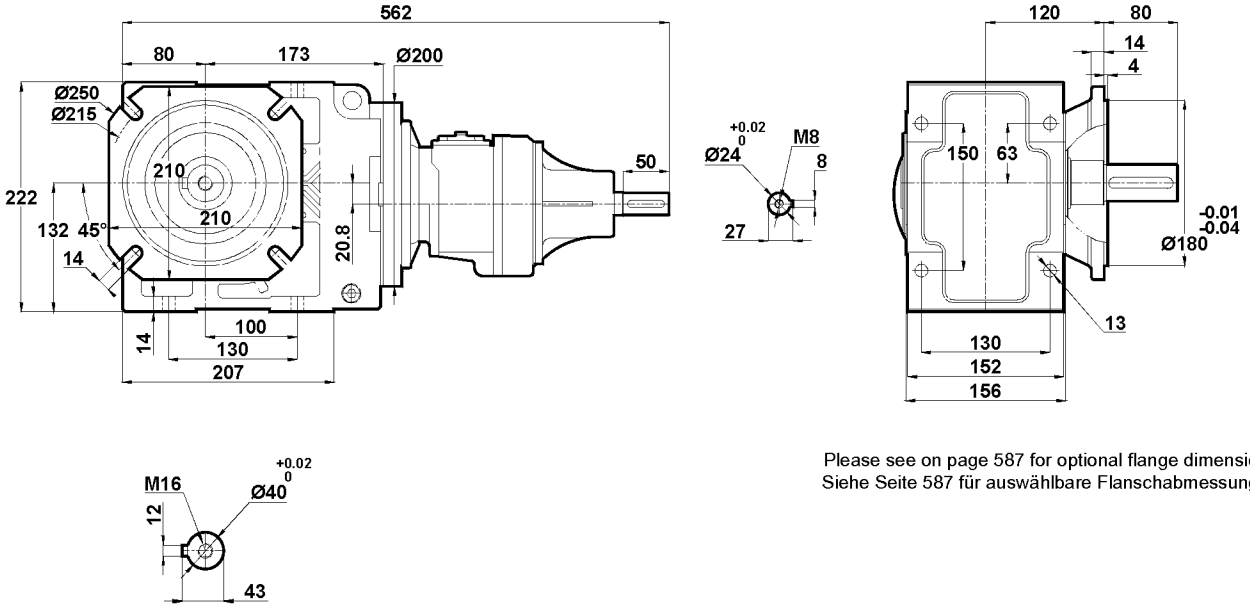


KT285.01
KT286.01



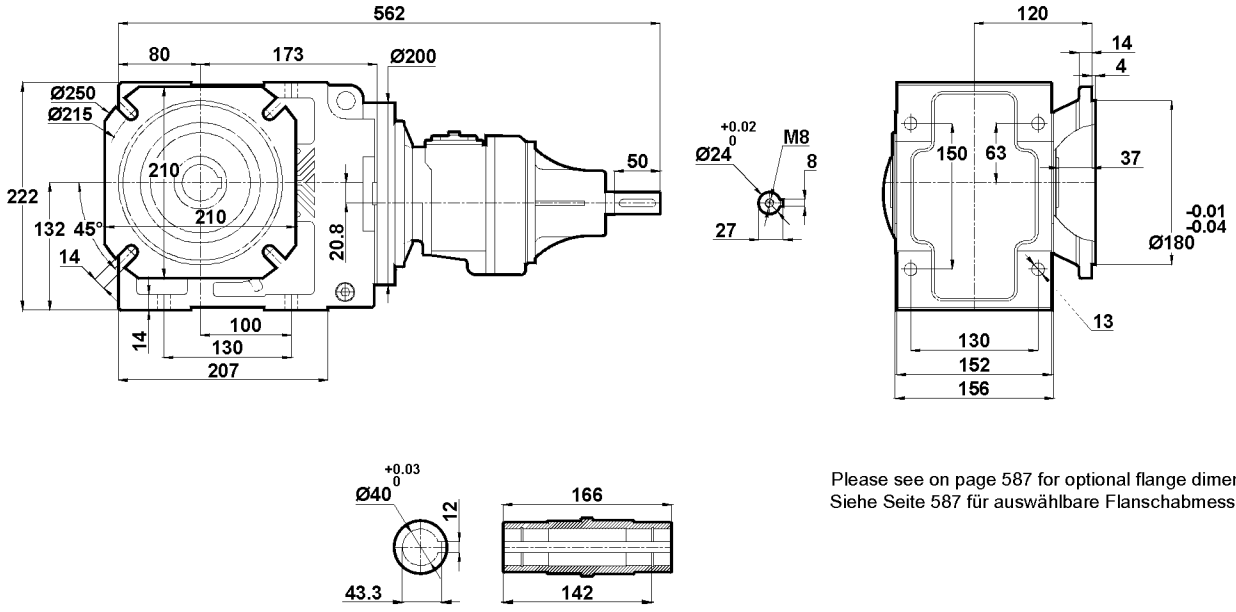
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT285.02
KT286.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

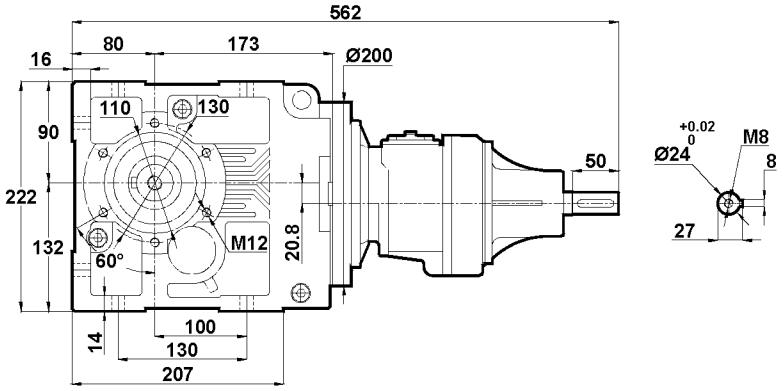
KT285.03
KT286.03



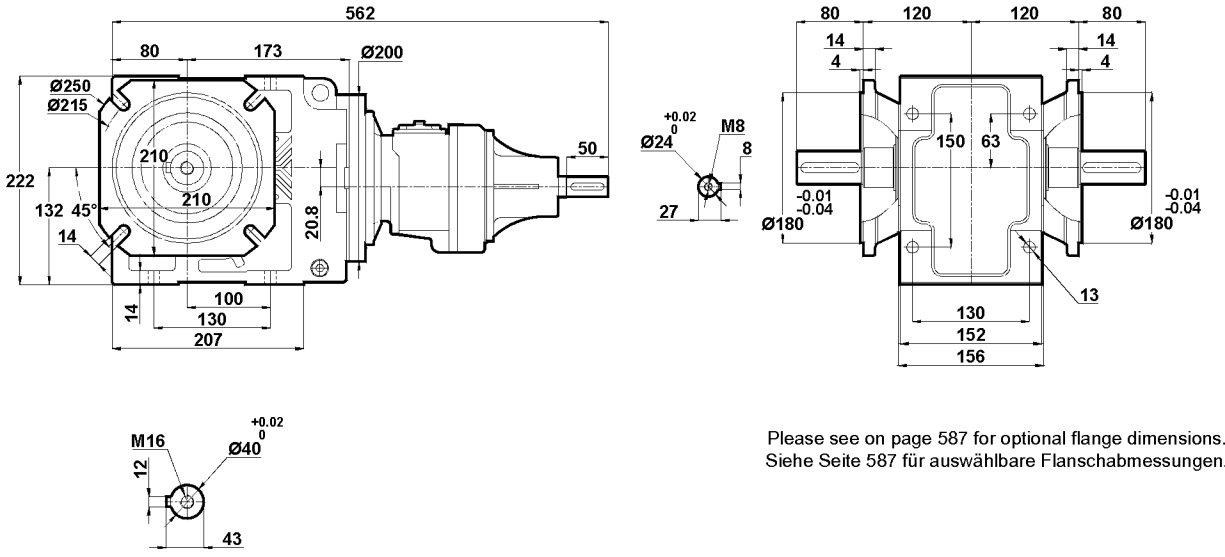
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT285.04
KT286.04



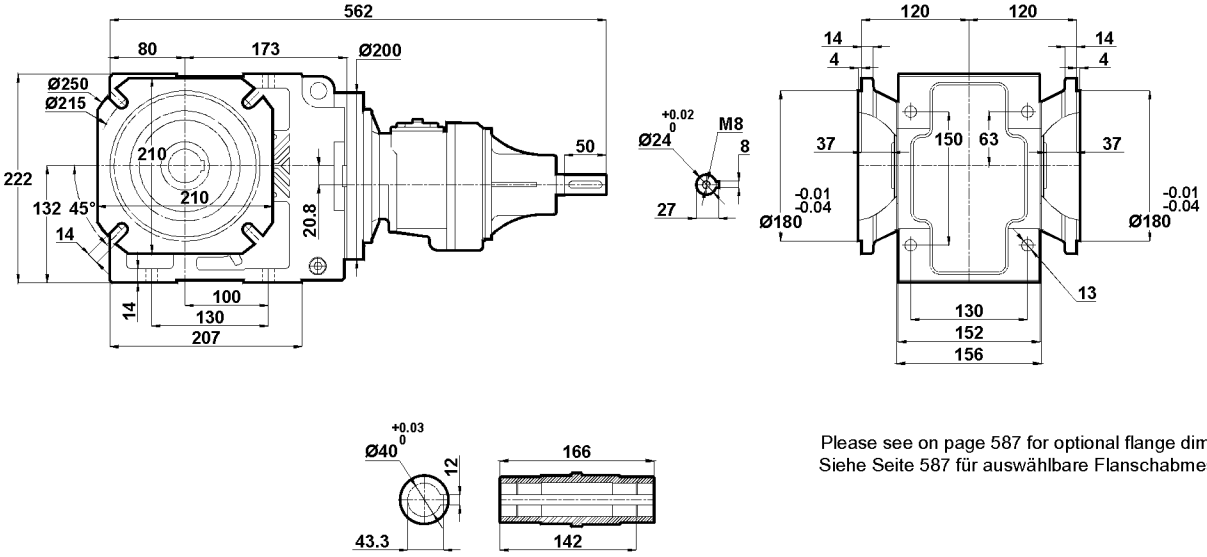
KT285.05
KT286.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

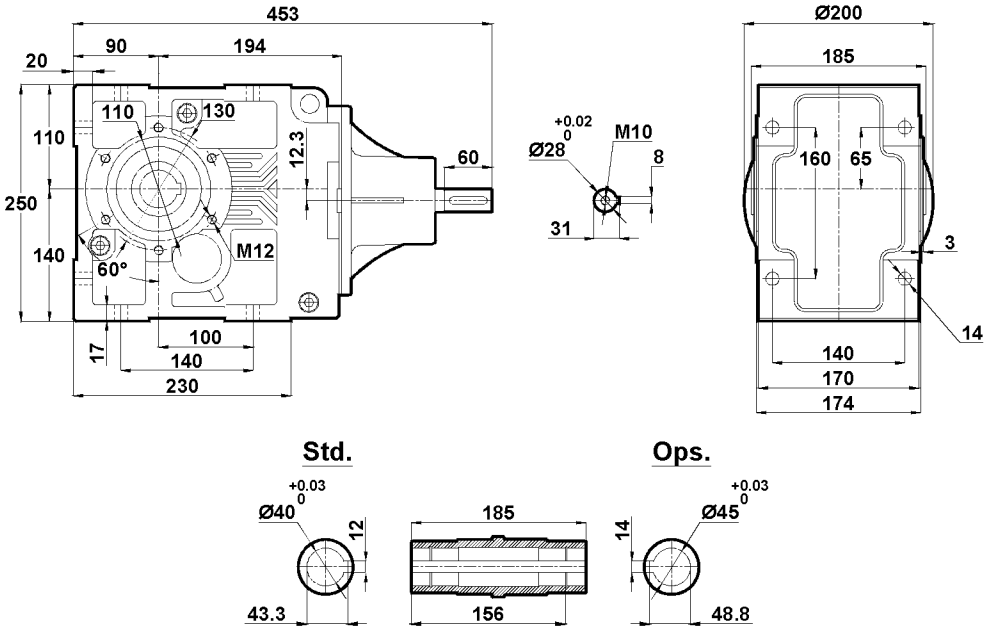
KT285.08
KT286.08



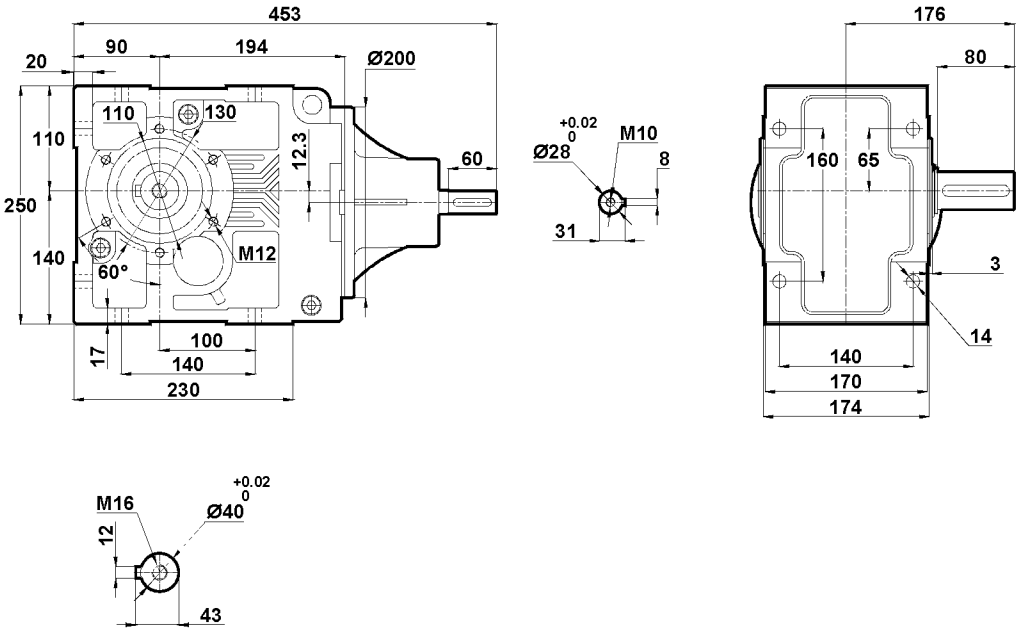
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT373.00

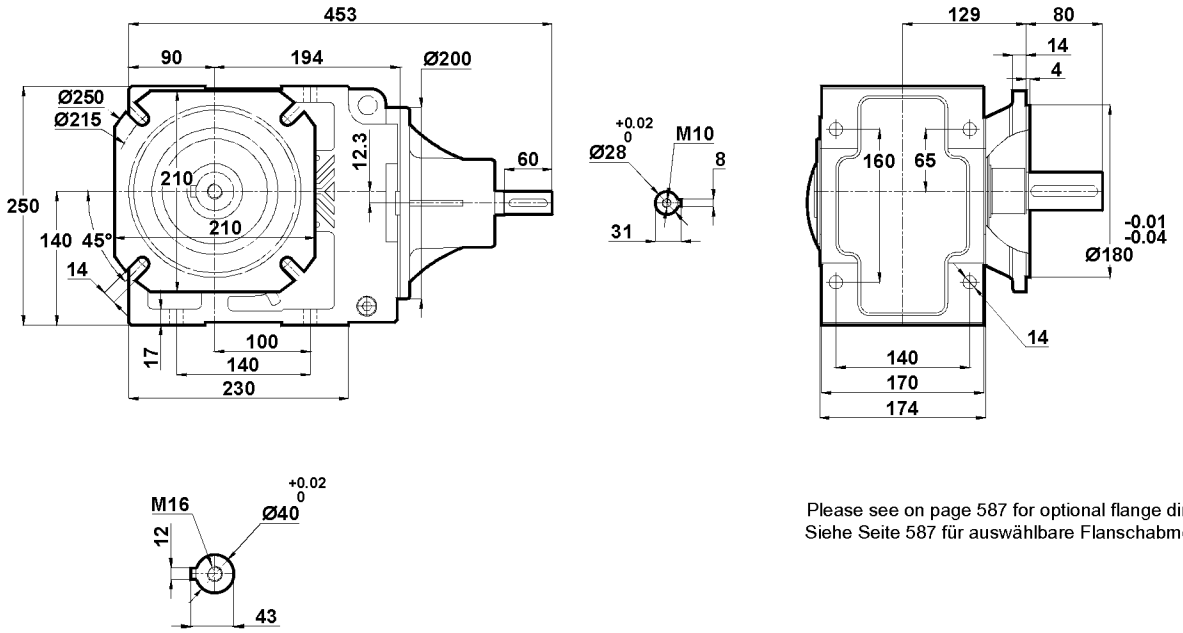


KT373.01



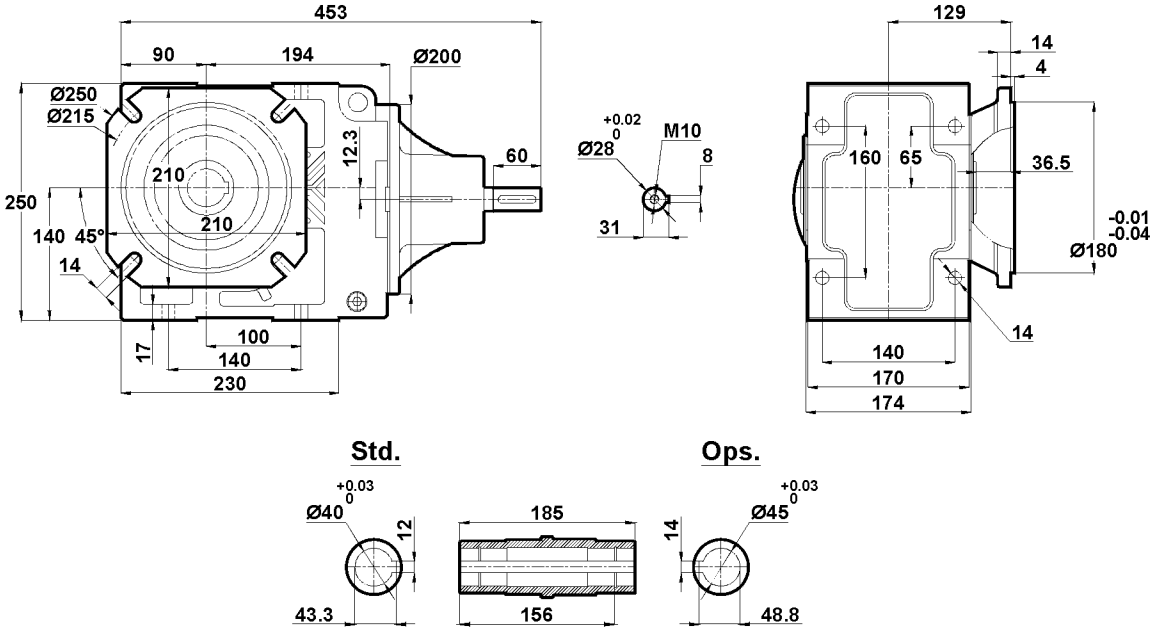
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT373.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

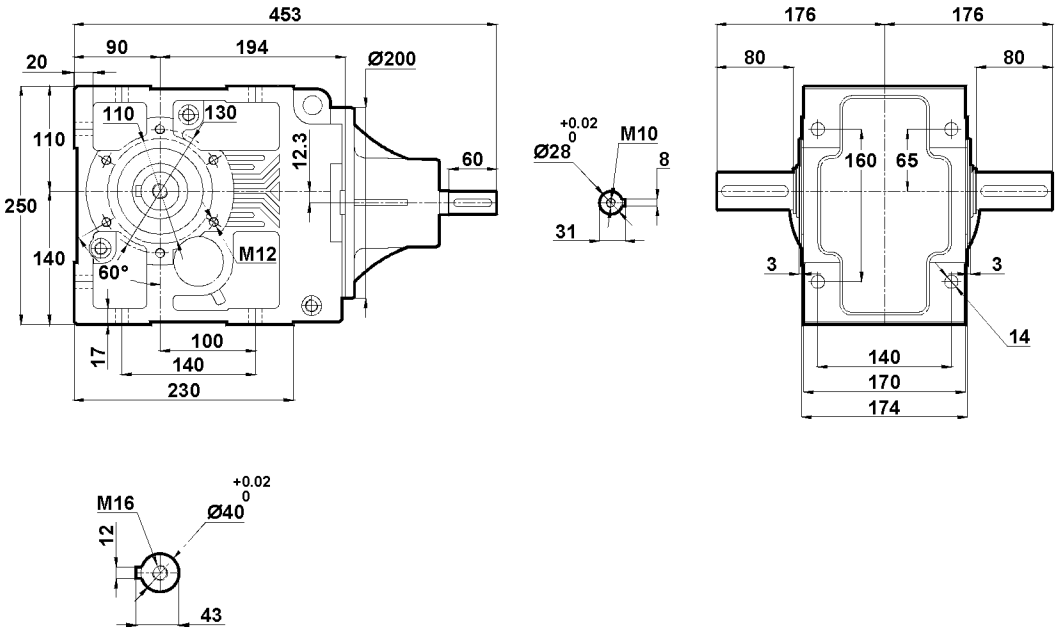
KT373.03



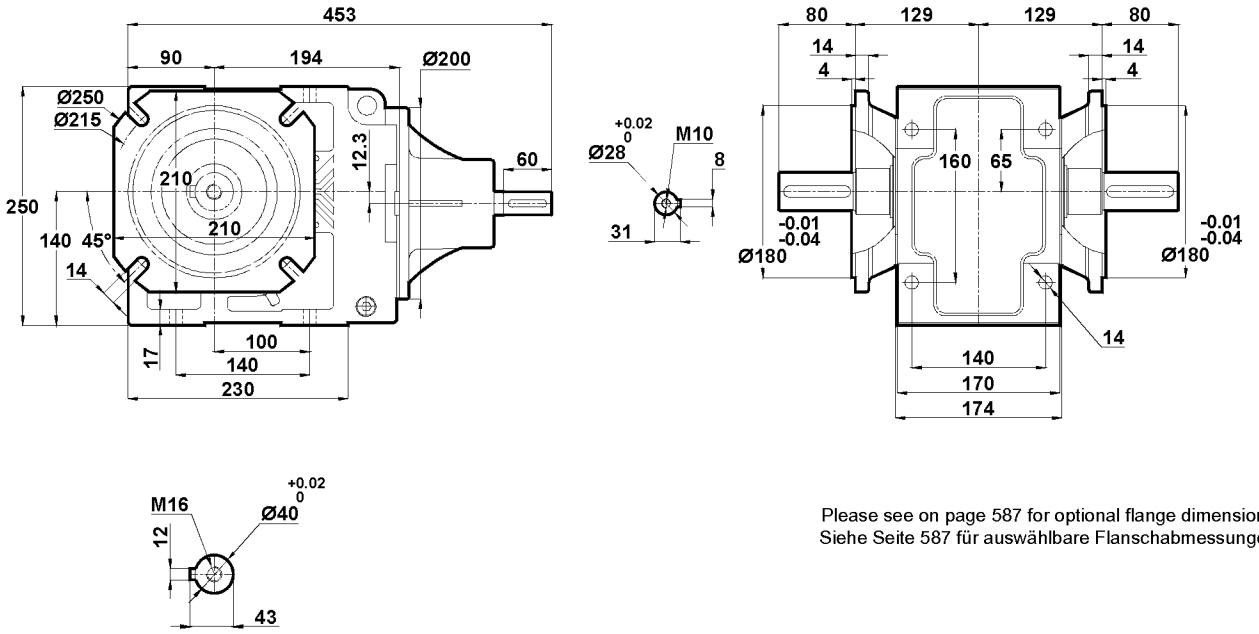
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT373.04



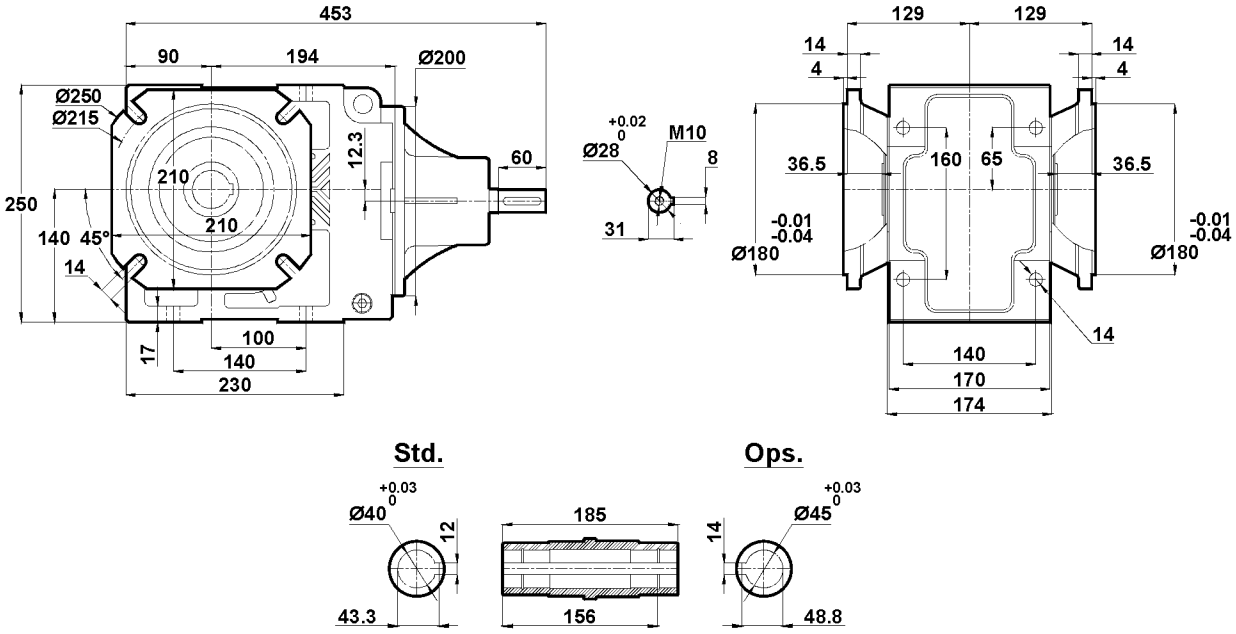
KT373.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT373.08

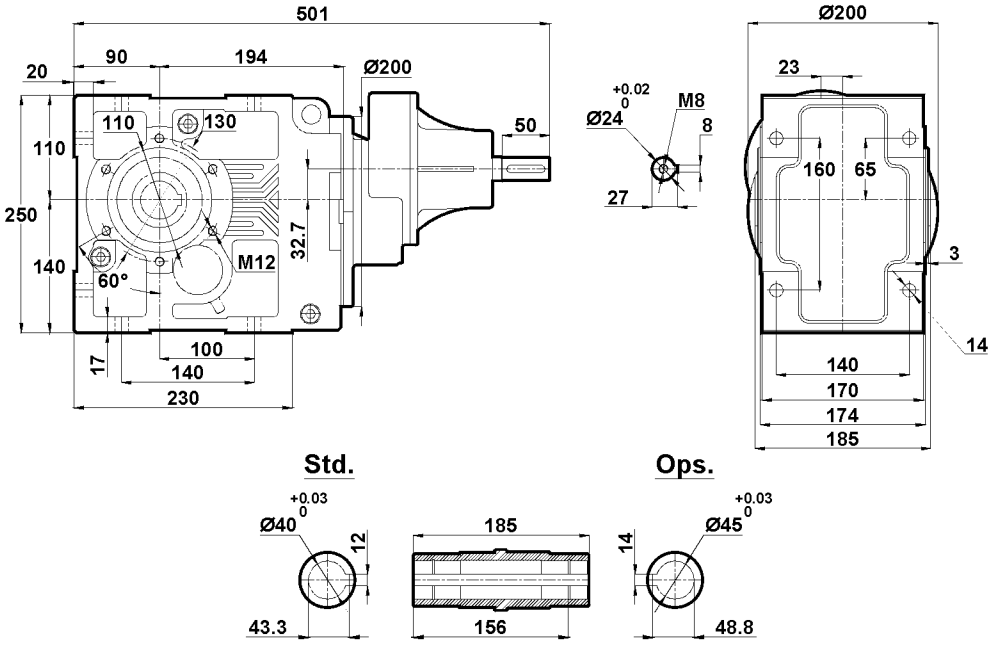


Std. **Ops.**

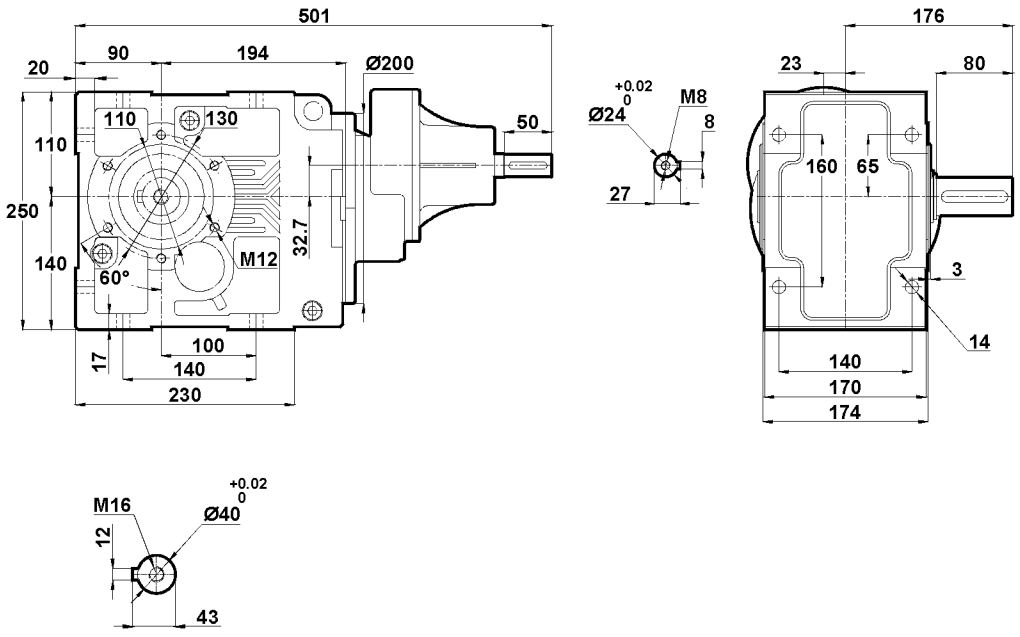
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT374.00

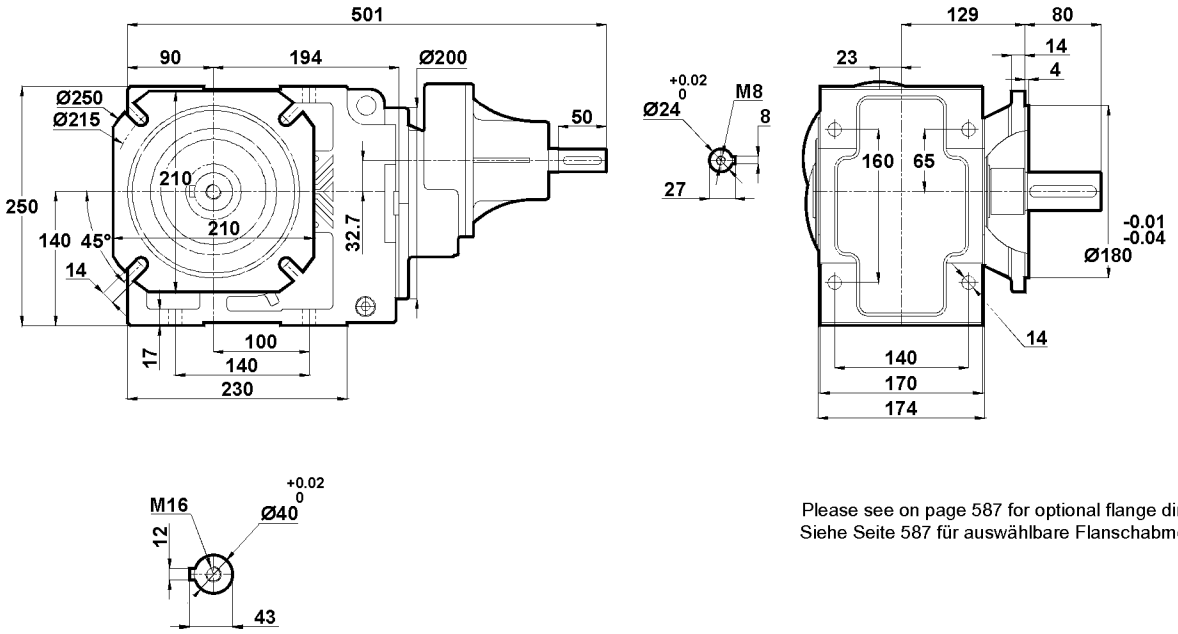


KT374.01



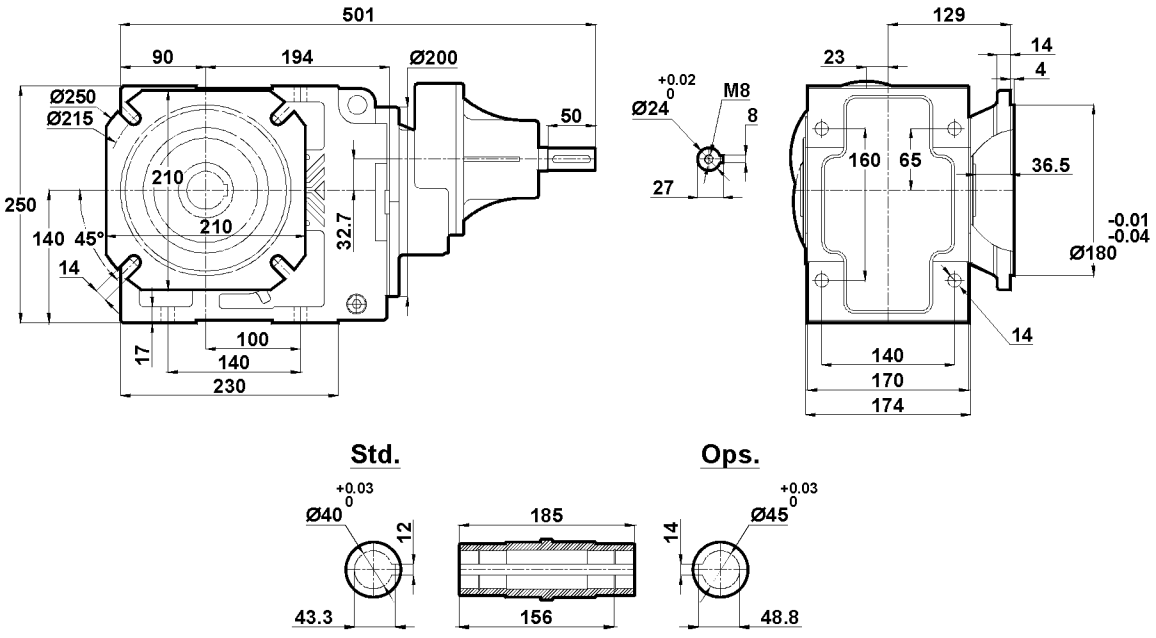
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT374.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

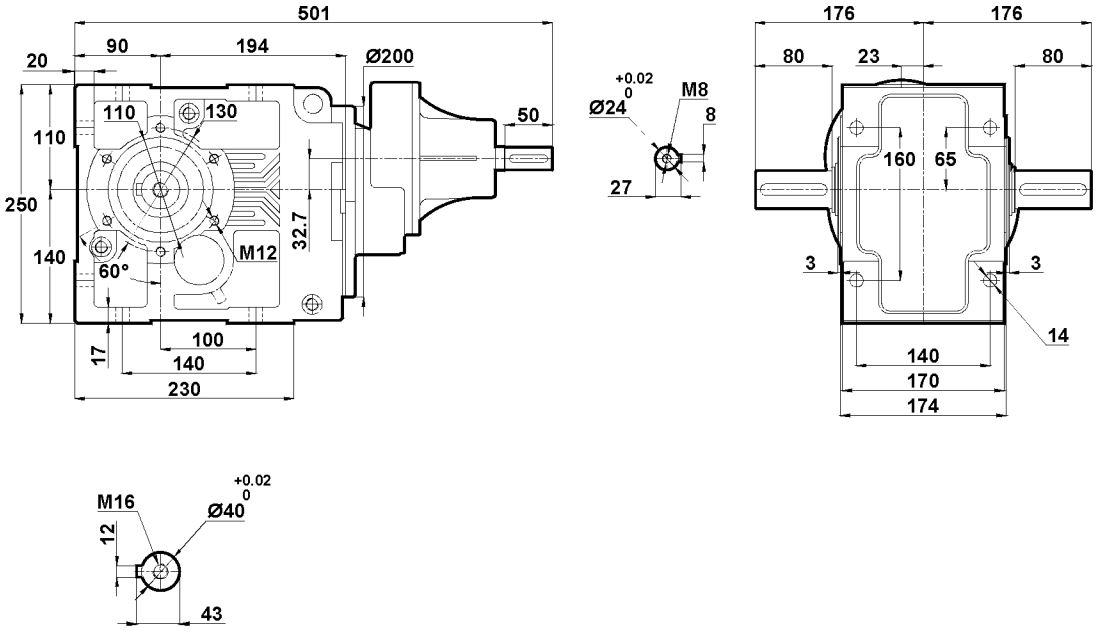
KT374.03



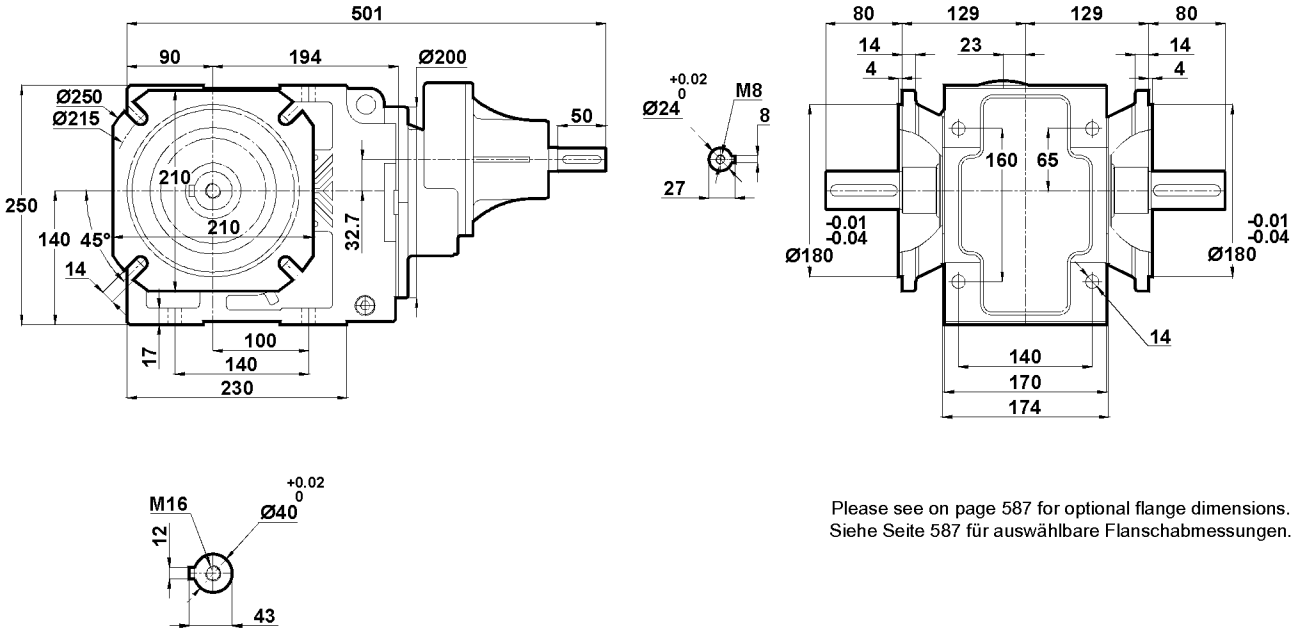
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT374.04



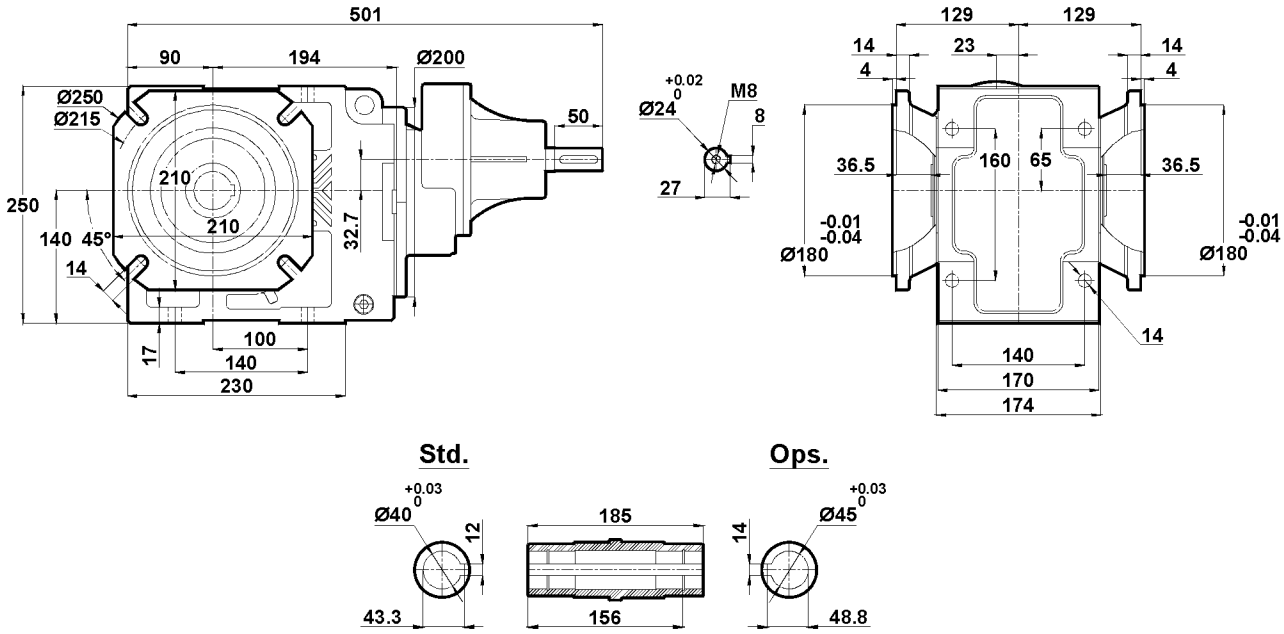
KT374.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

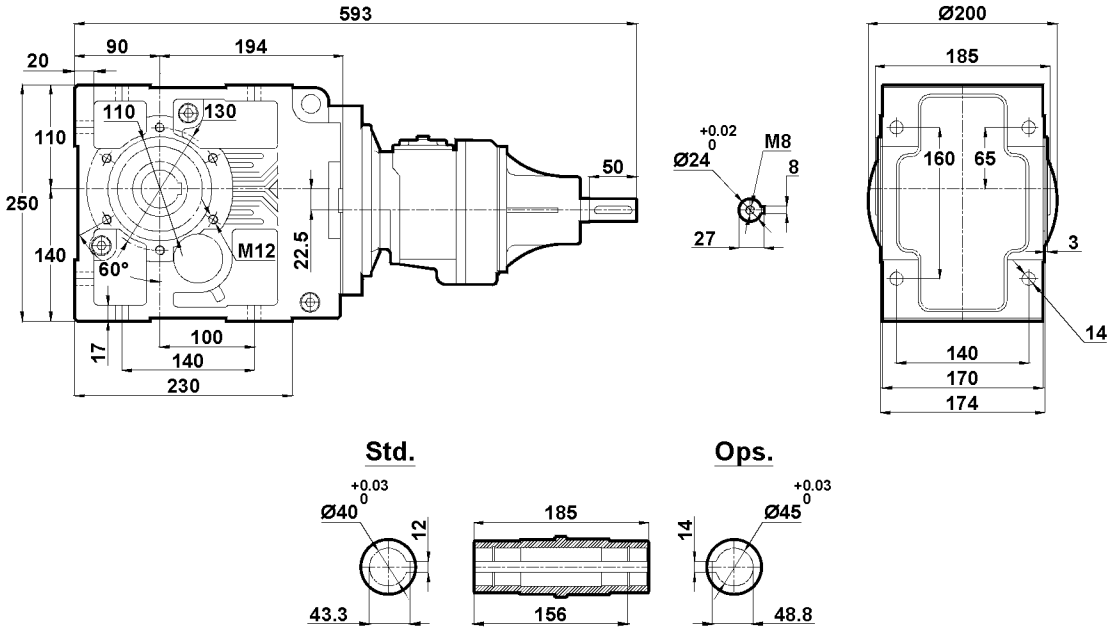
KT374.08



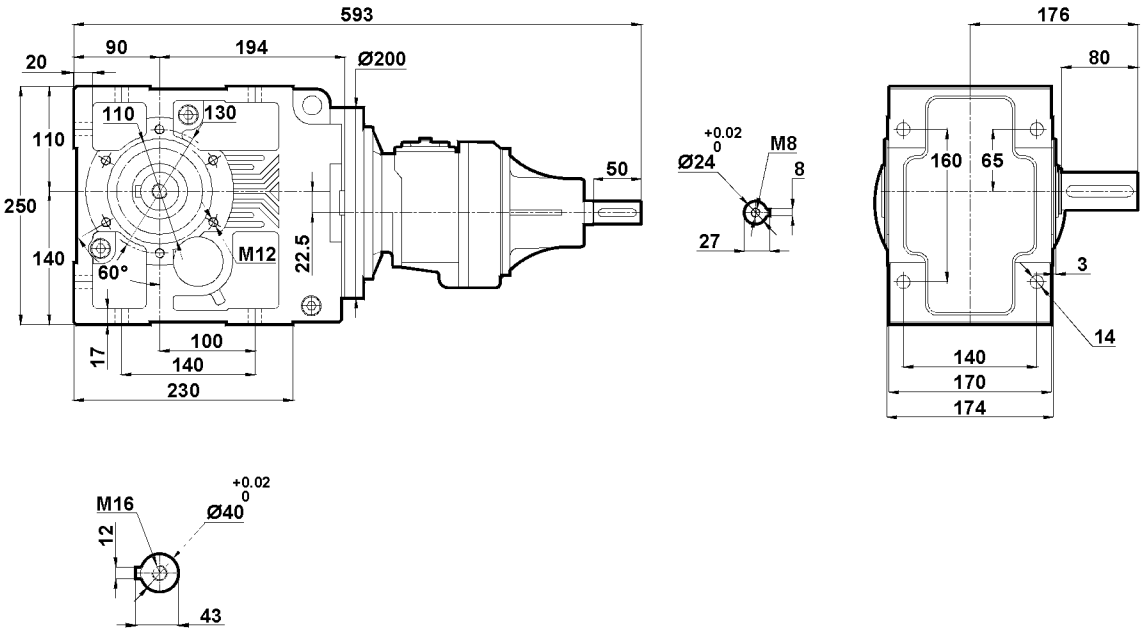
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT375.00
KT376.00

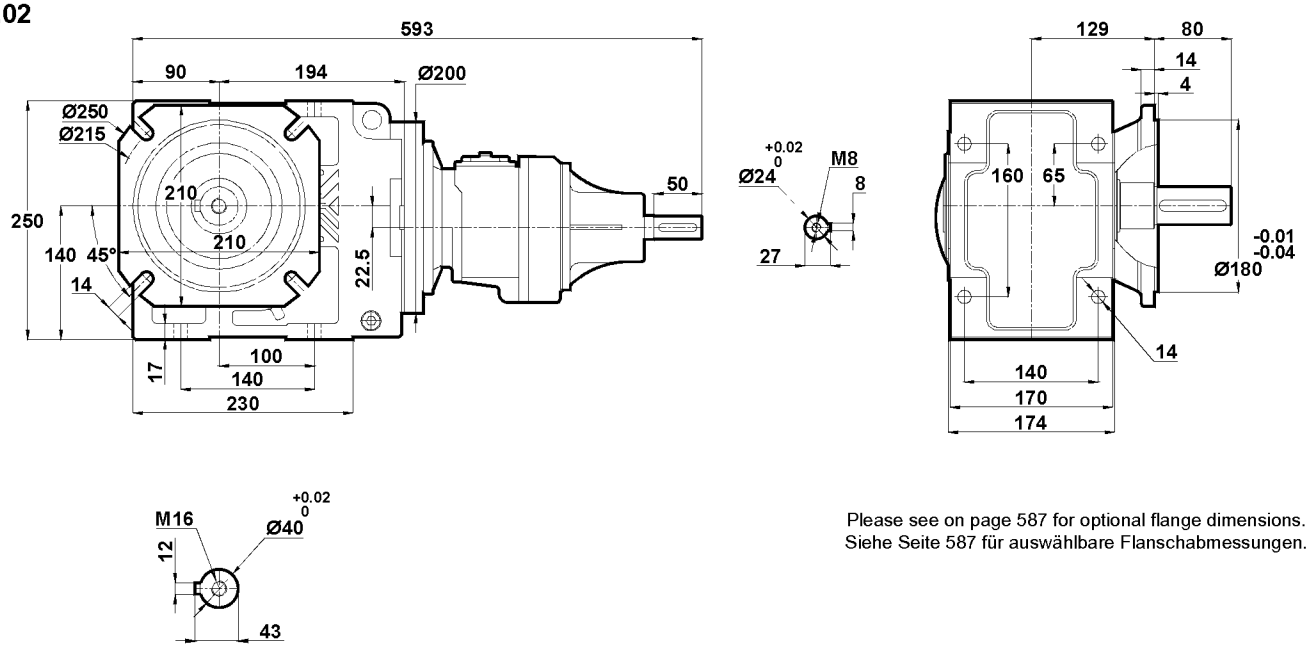


KT375.01
KT376.01



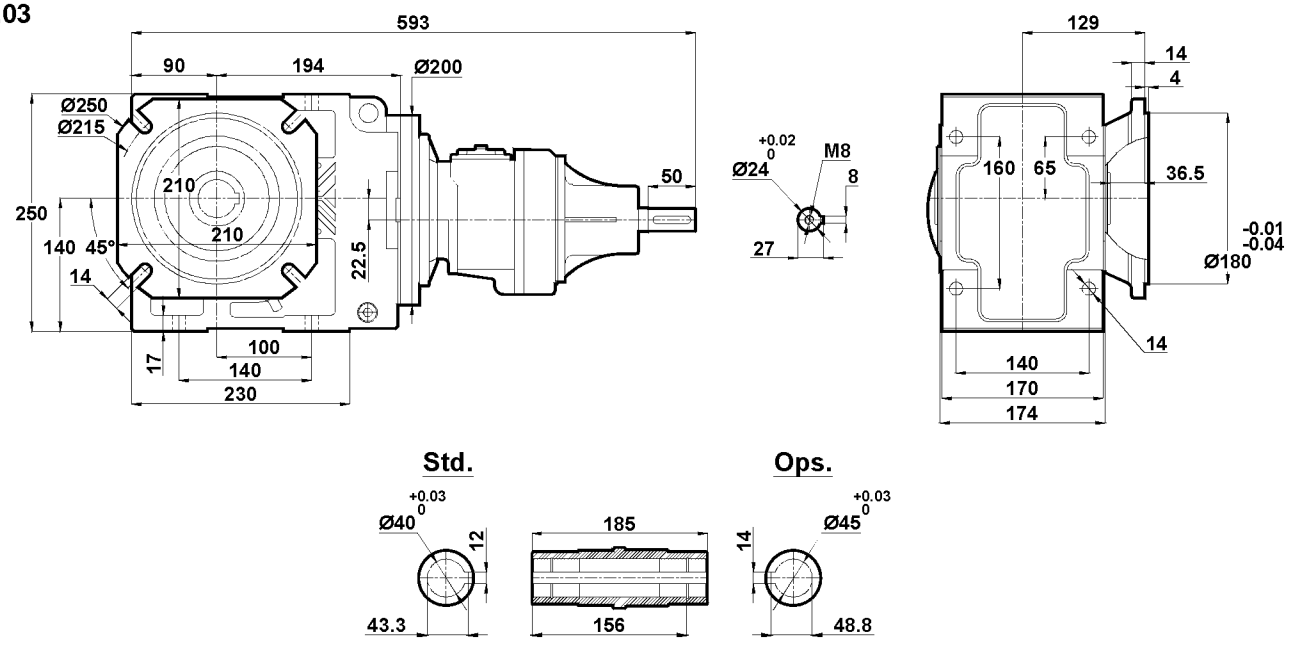
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT375.02
KT376.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

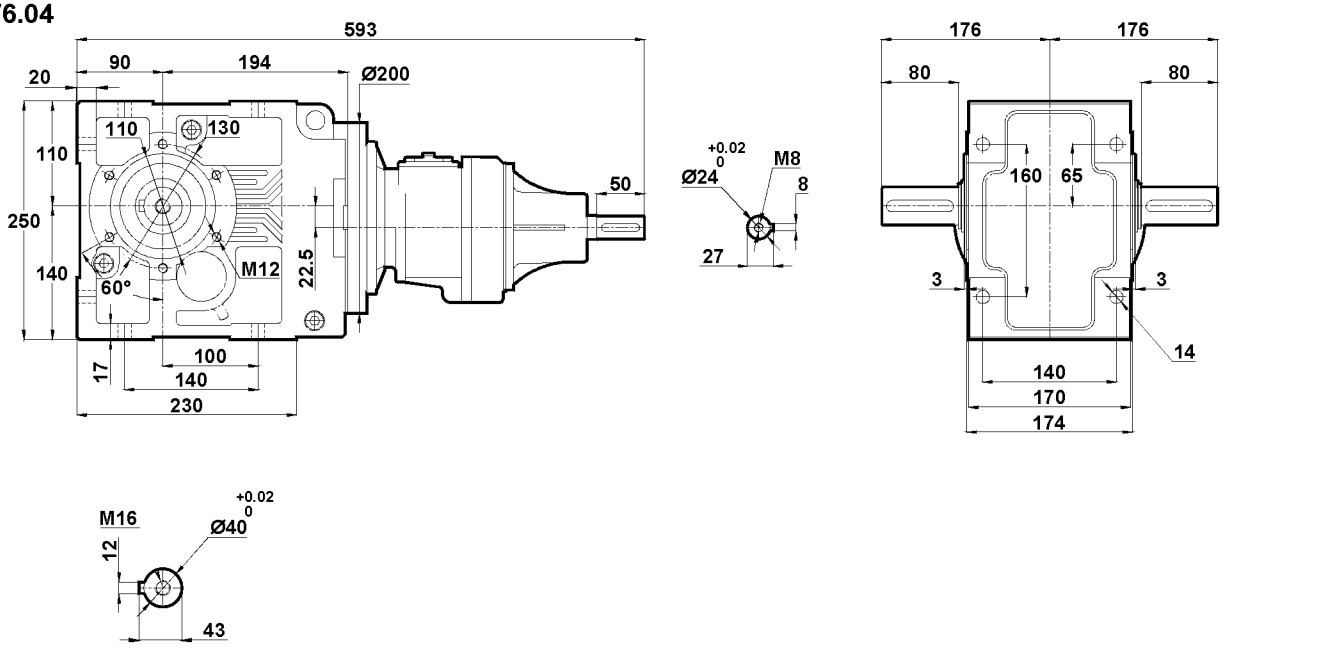
KT375.03
KT376.03



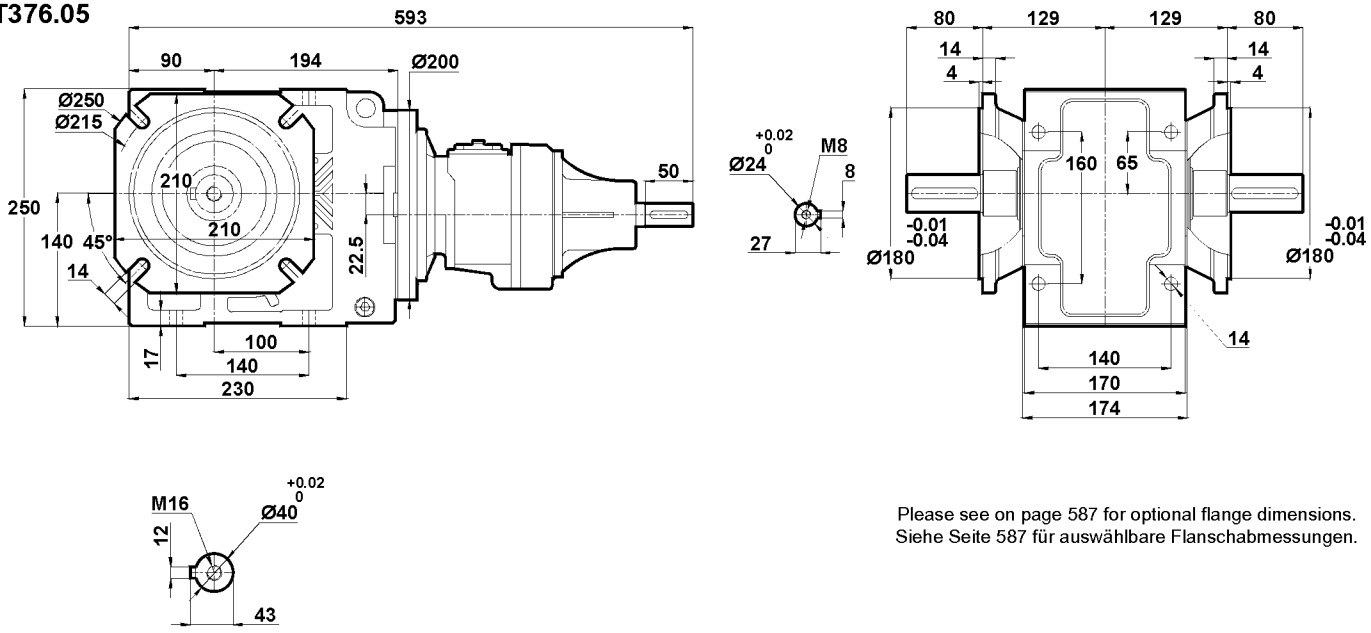
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT375.04
KT376.04



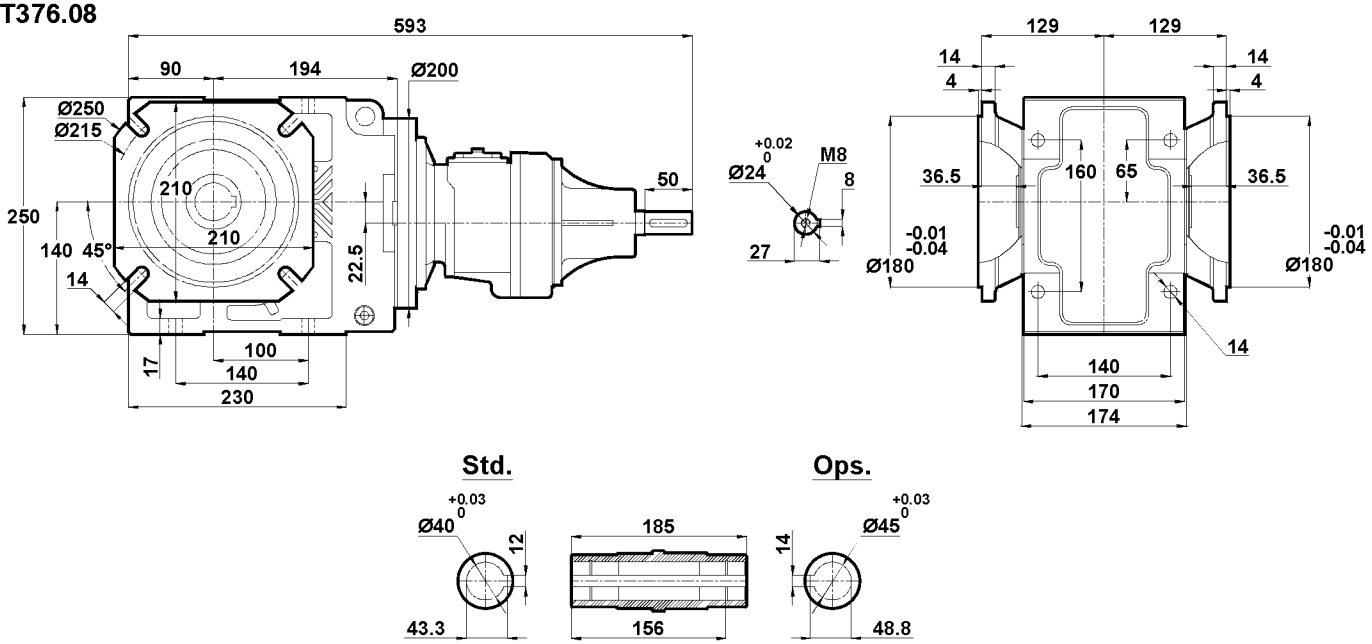
KT375.05
KT376.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

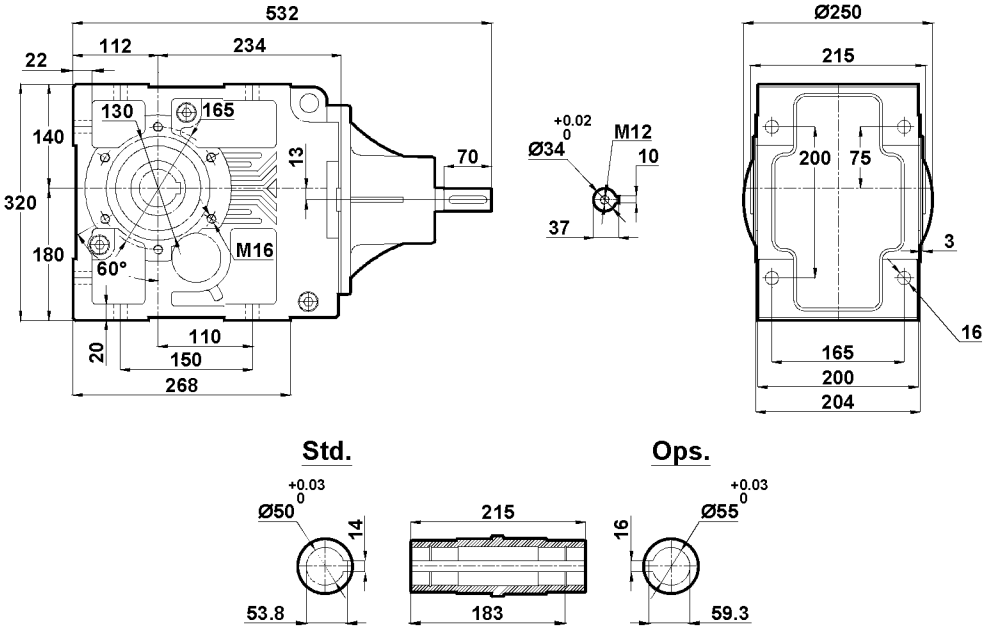
KT375.08
KT376.08



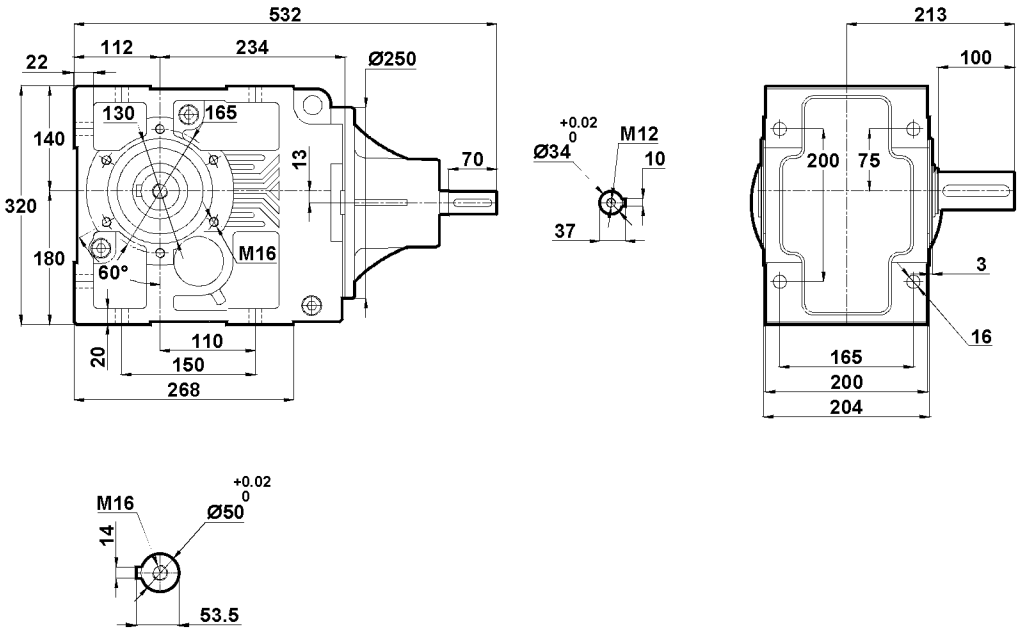
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT473.00

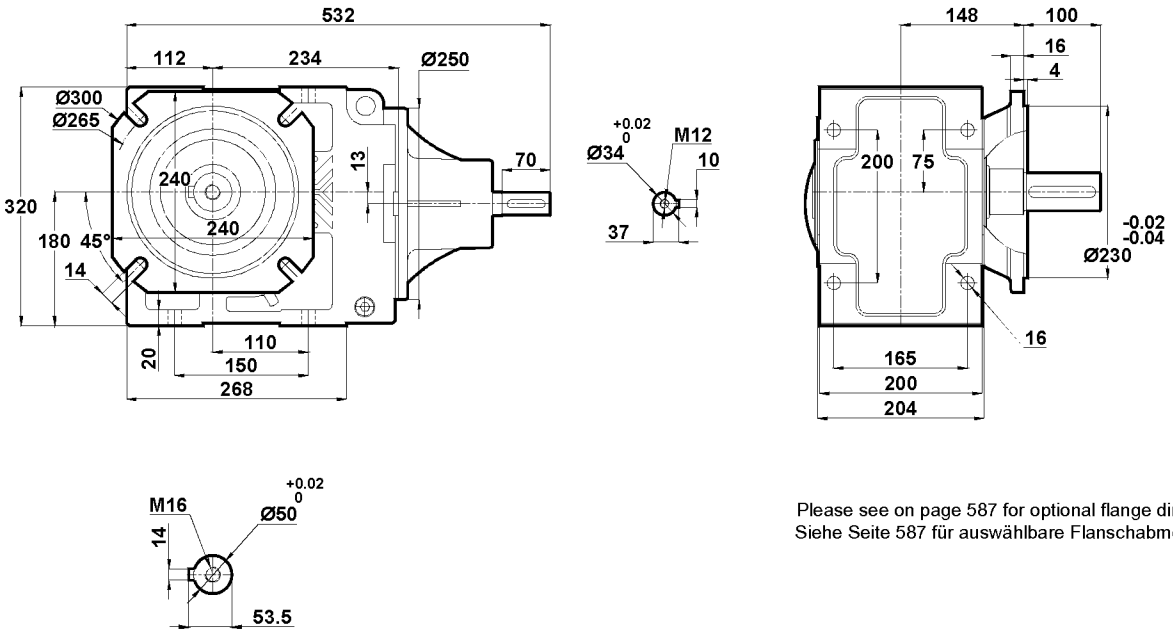


KT473.01



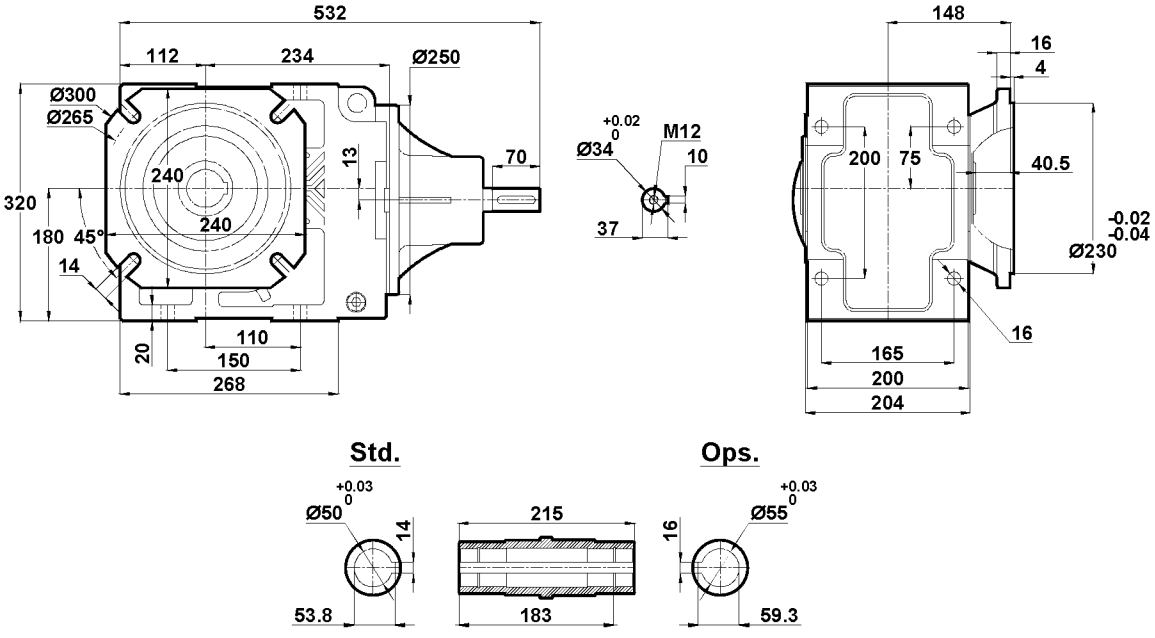
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT473.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

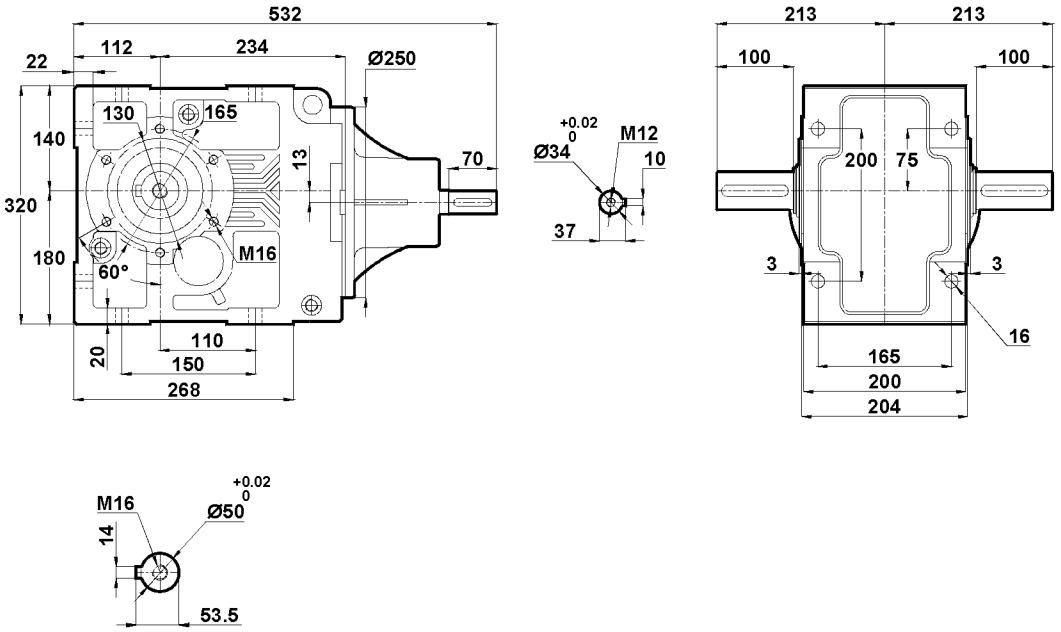
KT473.03



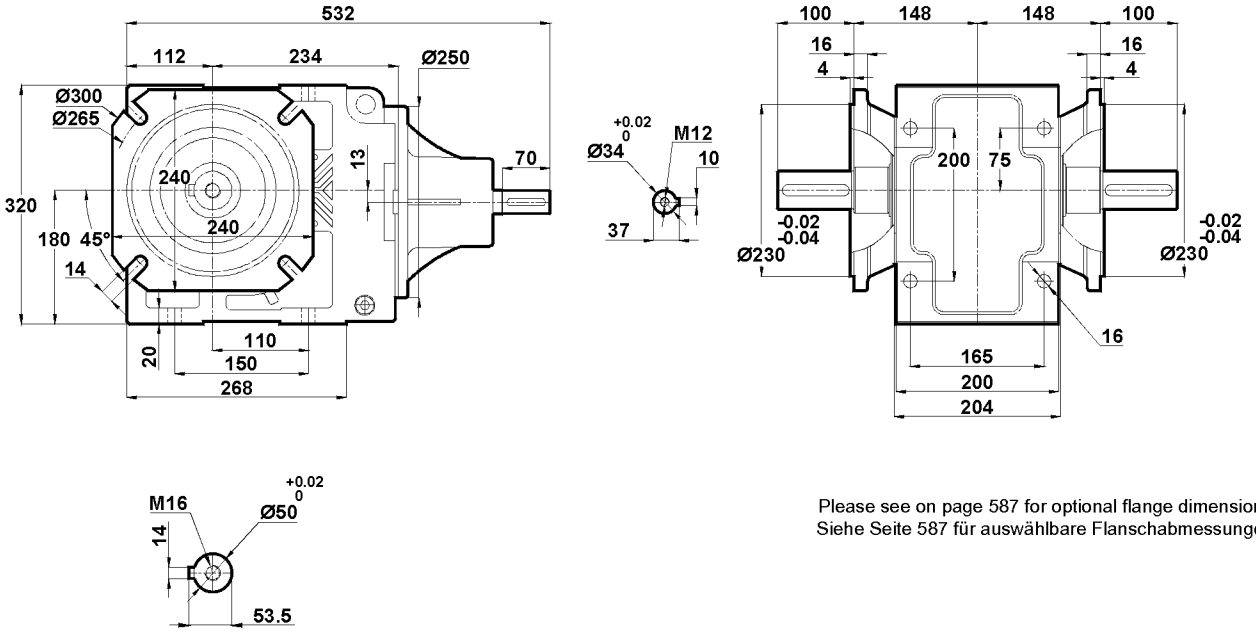
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT473.04



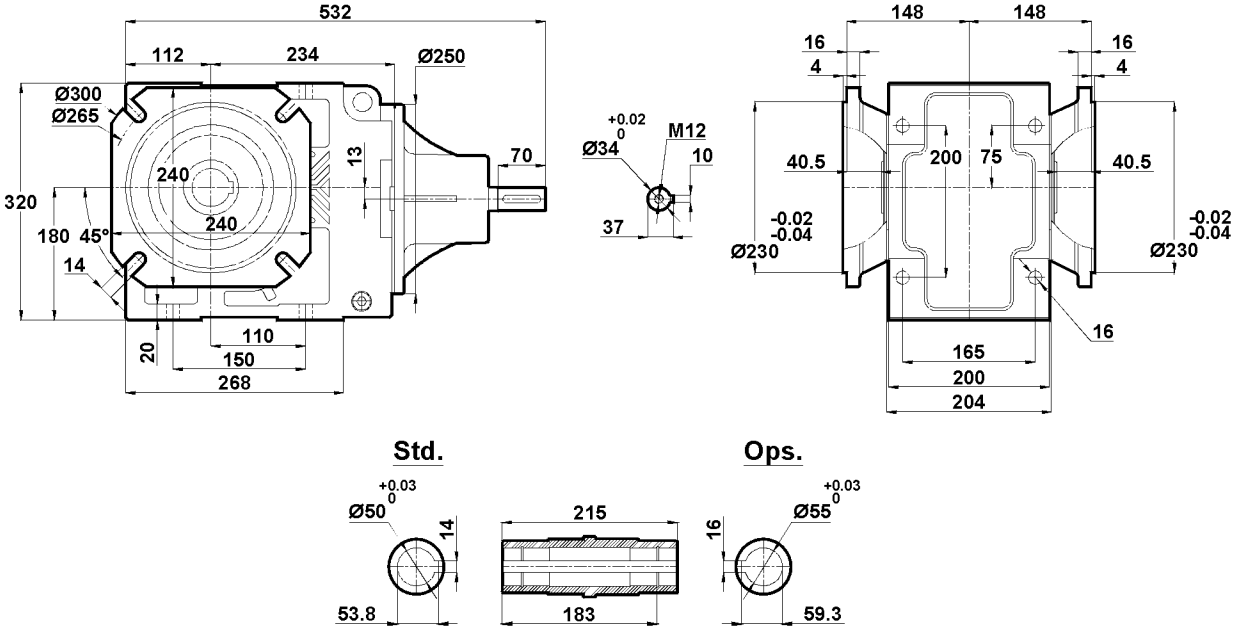
KT473.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT473.08

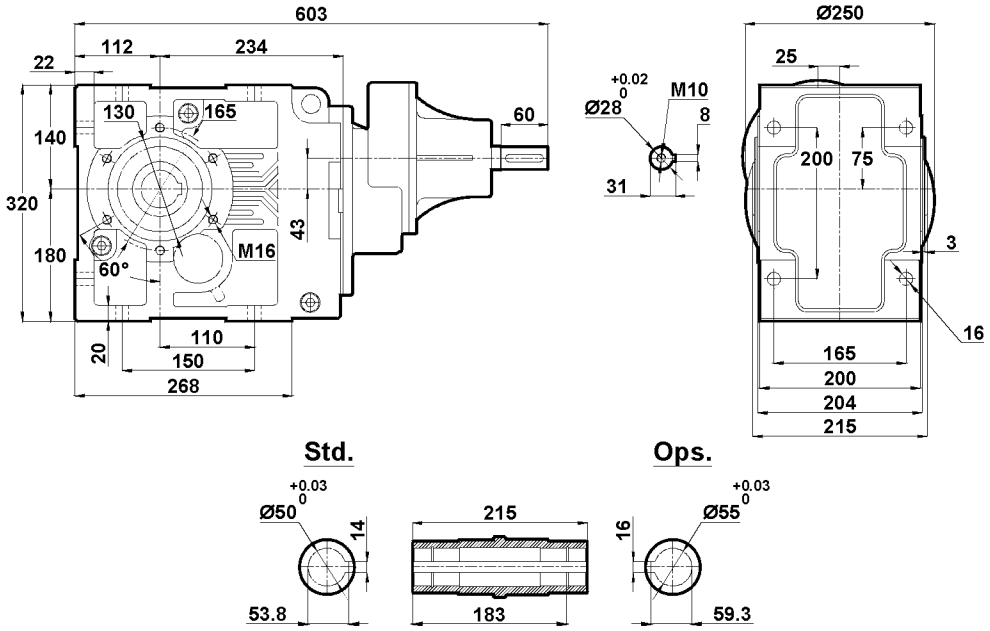


Std. **Ops.**

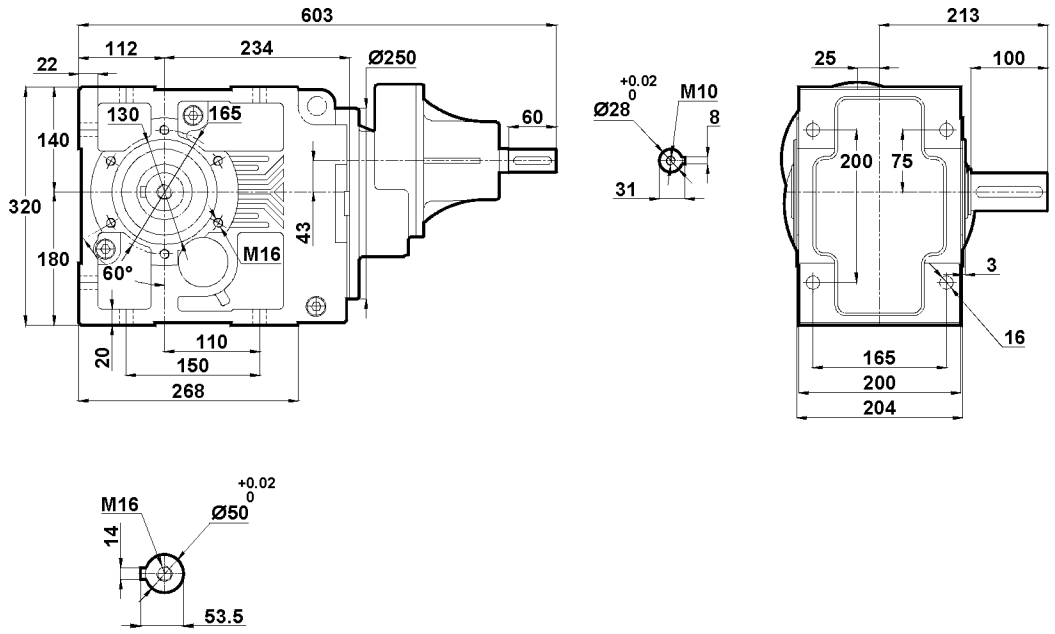
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT474.00

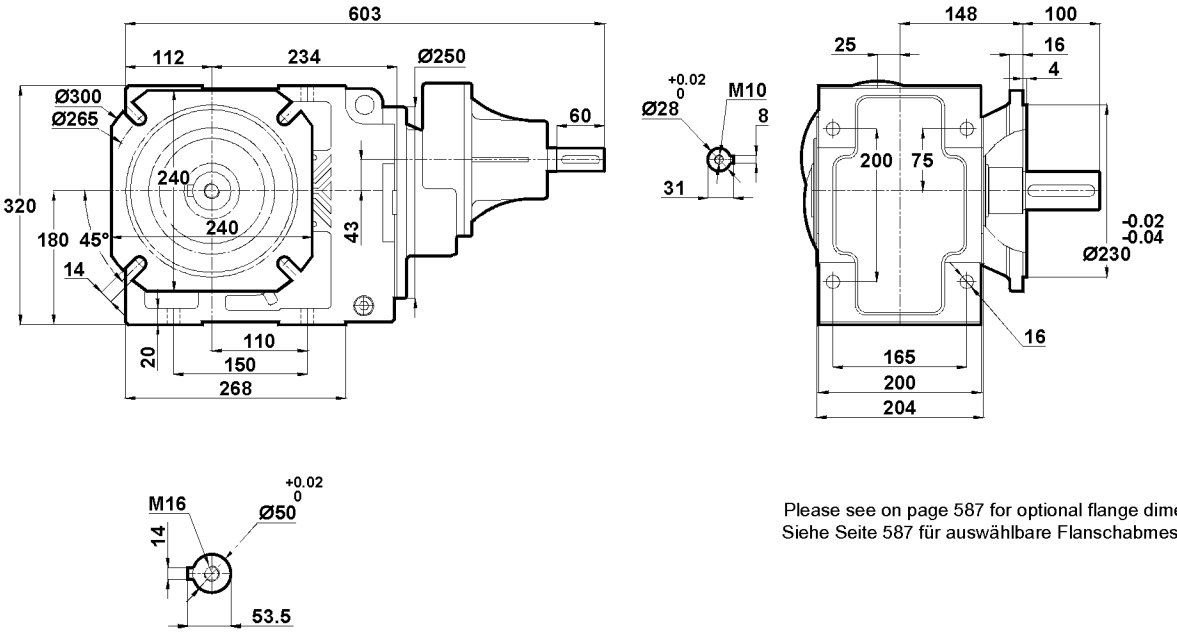


KT474.01



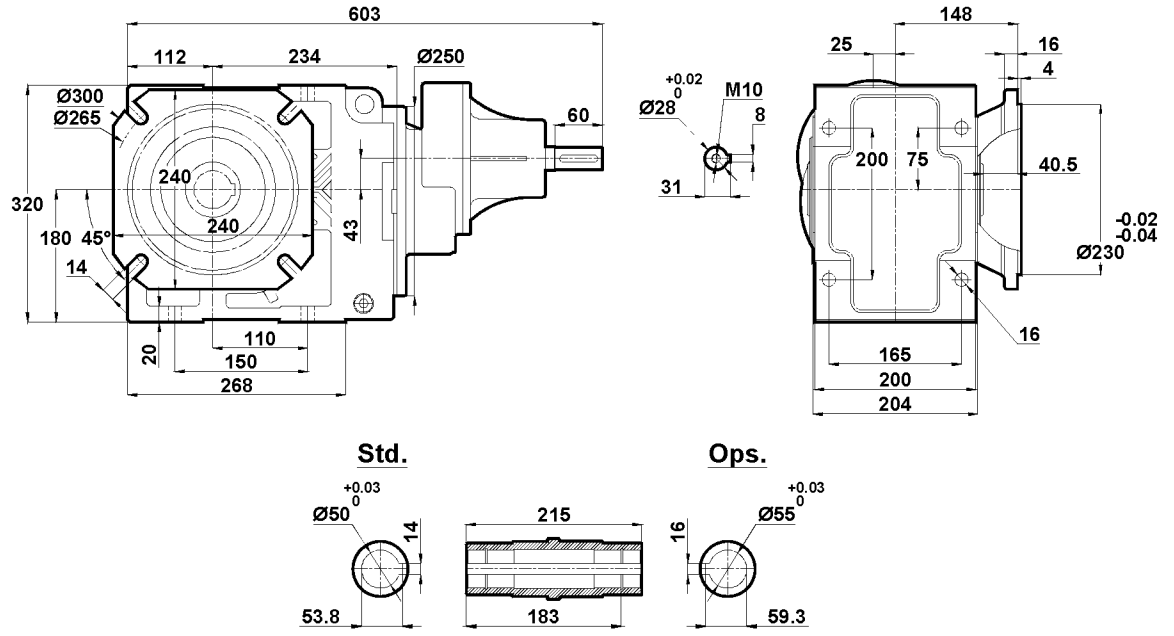
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT474.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

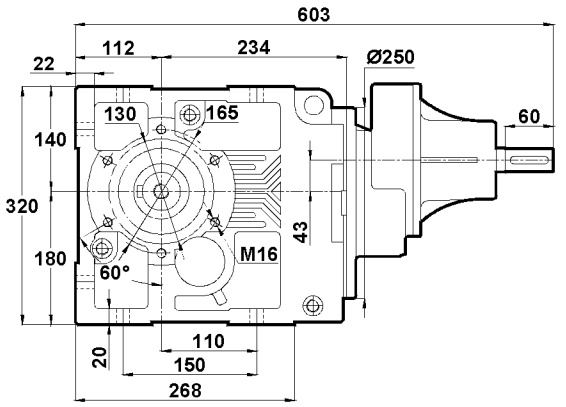
KT474.03

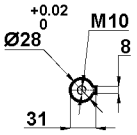


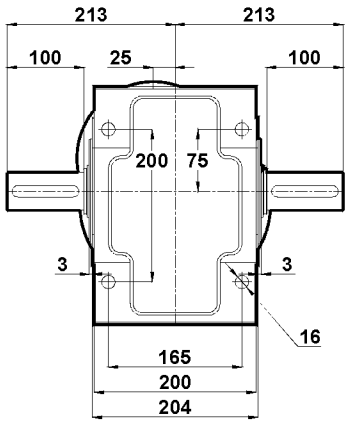
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

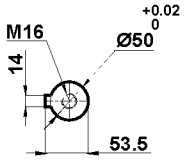
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT474.04

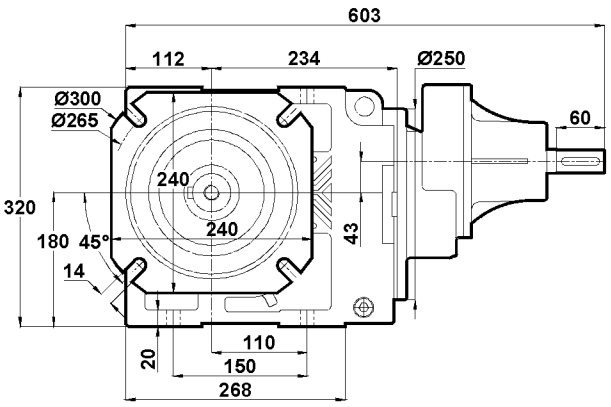


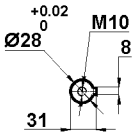


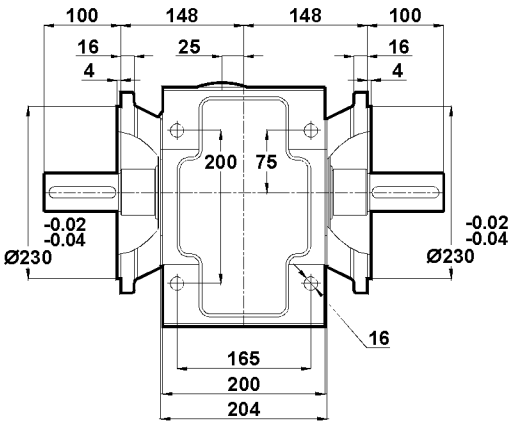


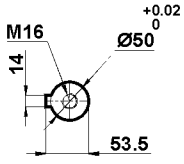


KT474.05





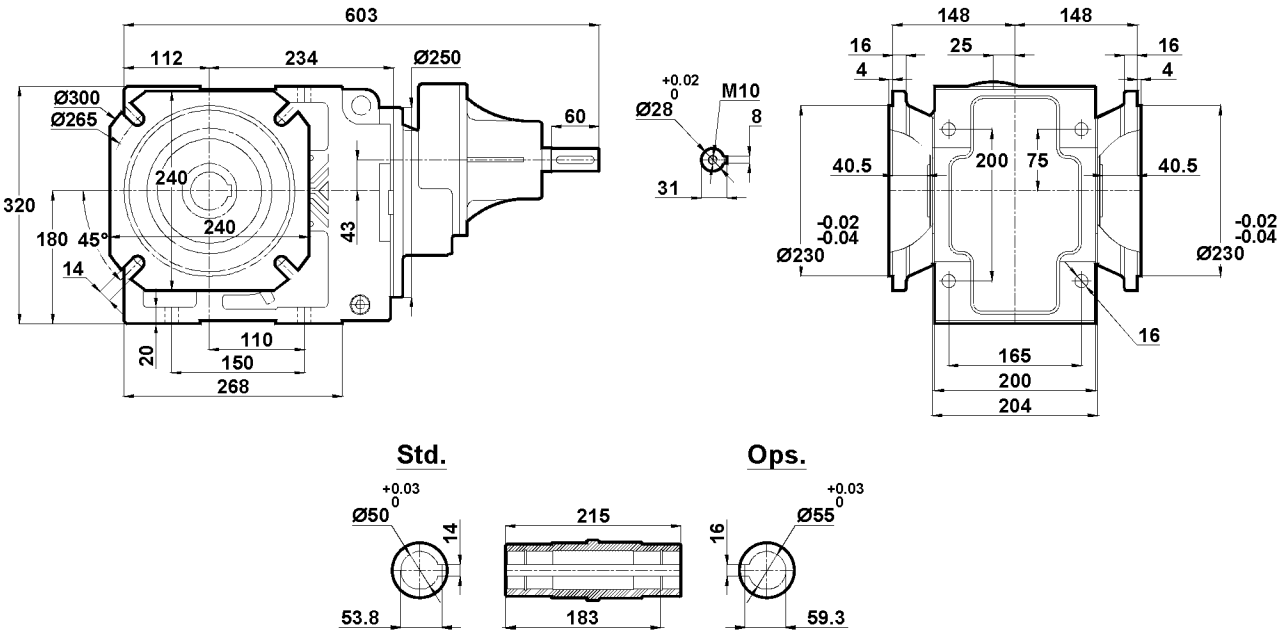




Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

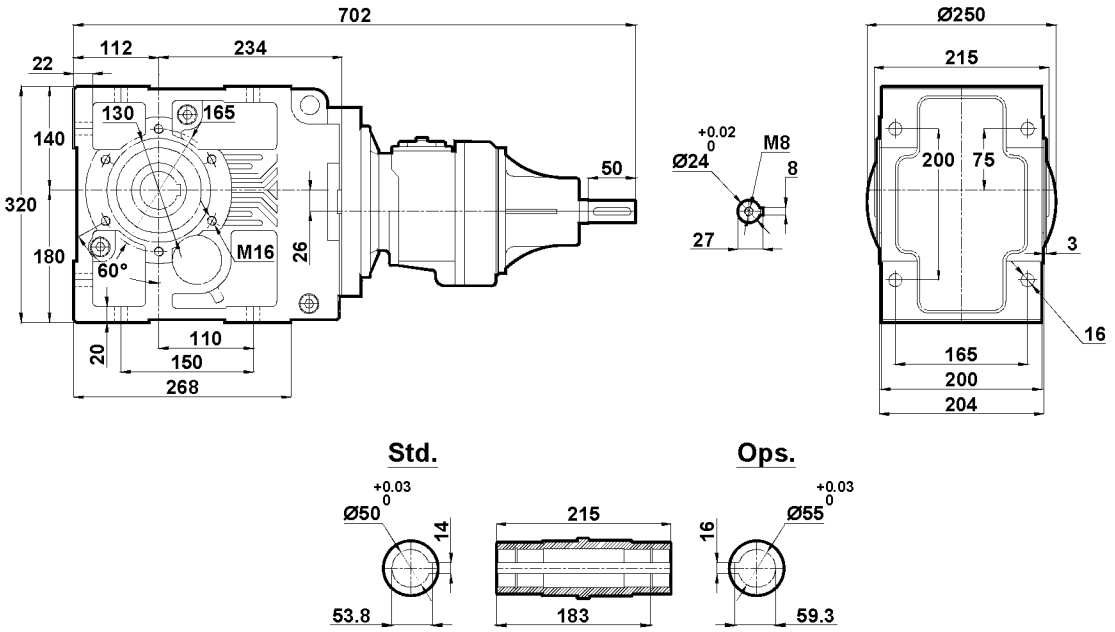
KT474.08



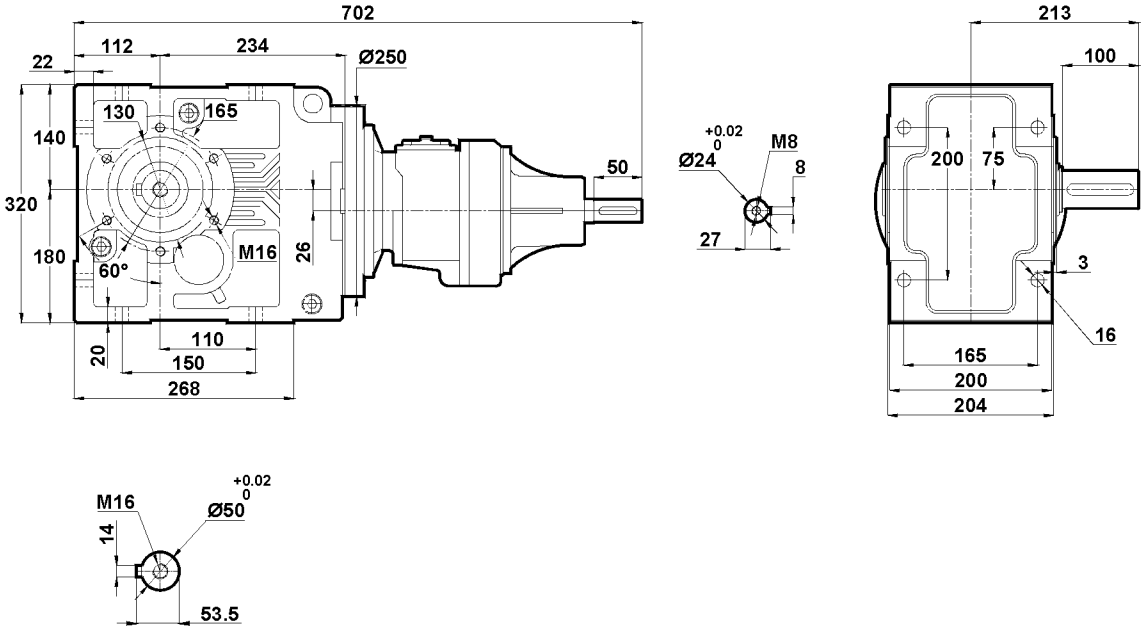
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT475.00
KT476.00

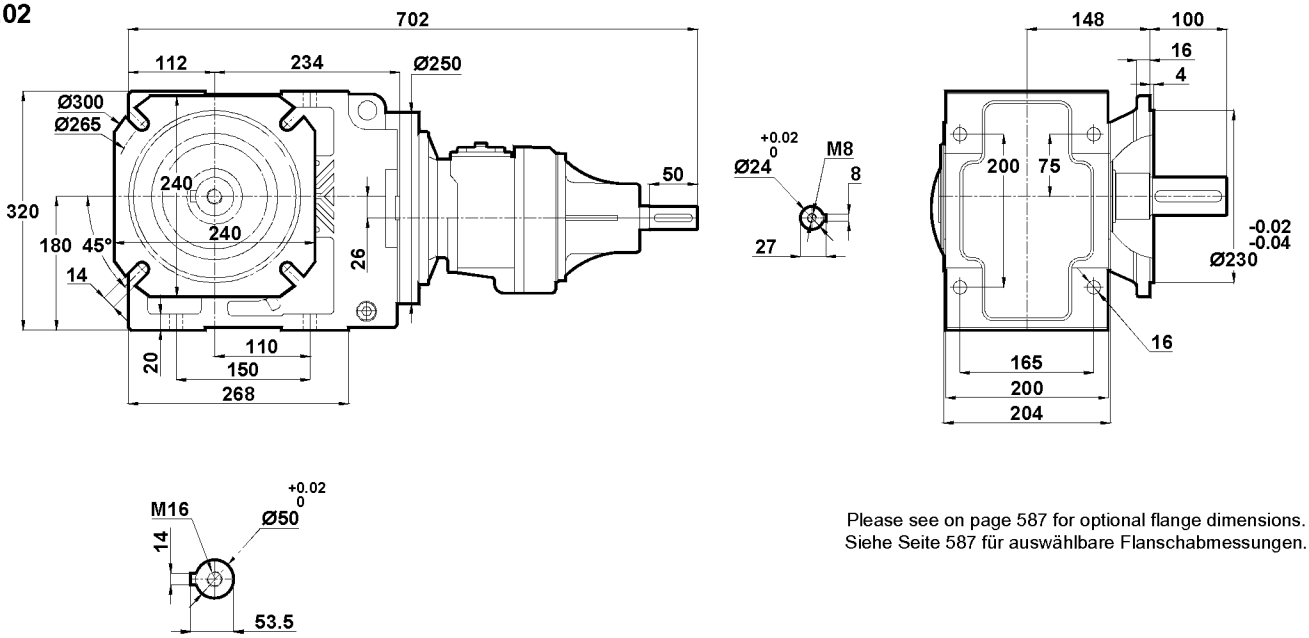


KT475.01
KT476.01



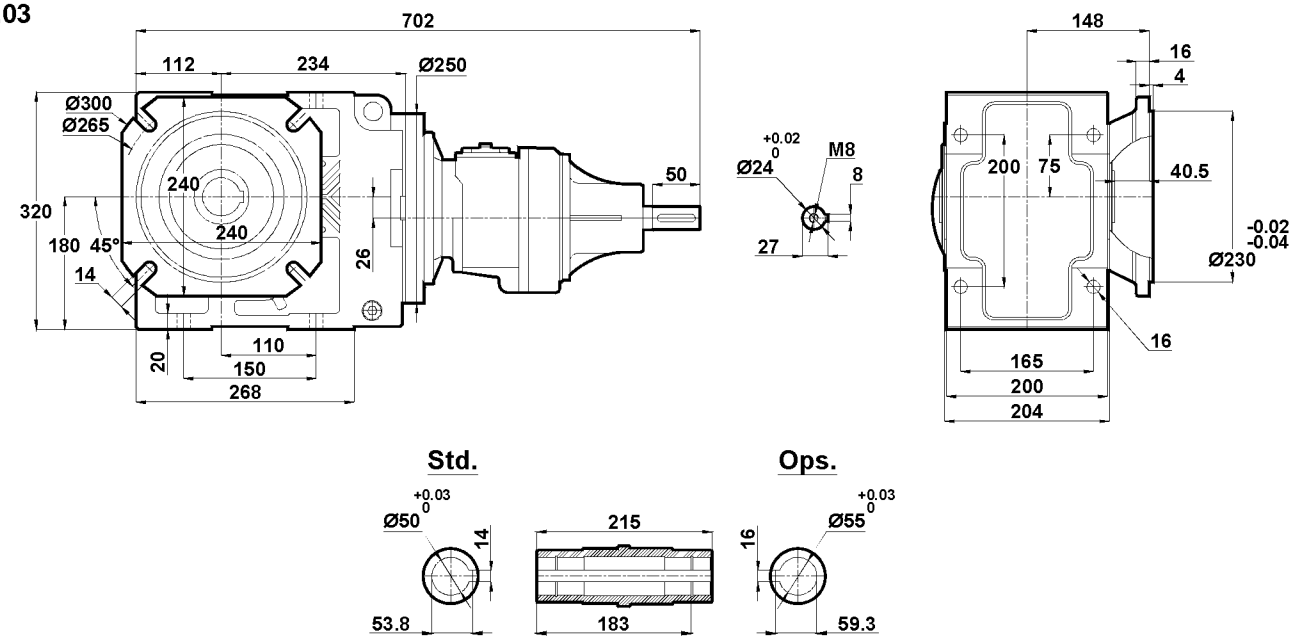
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT475.02
KT476.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

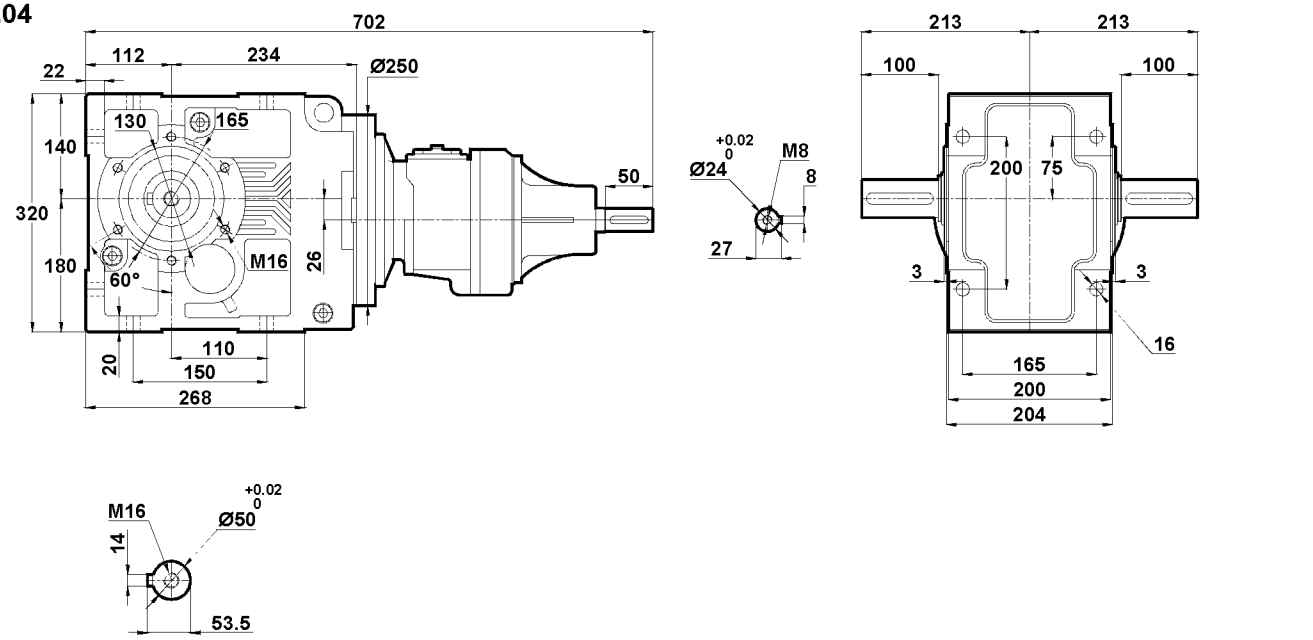
KT475.03
KT476.03



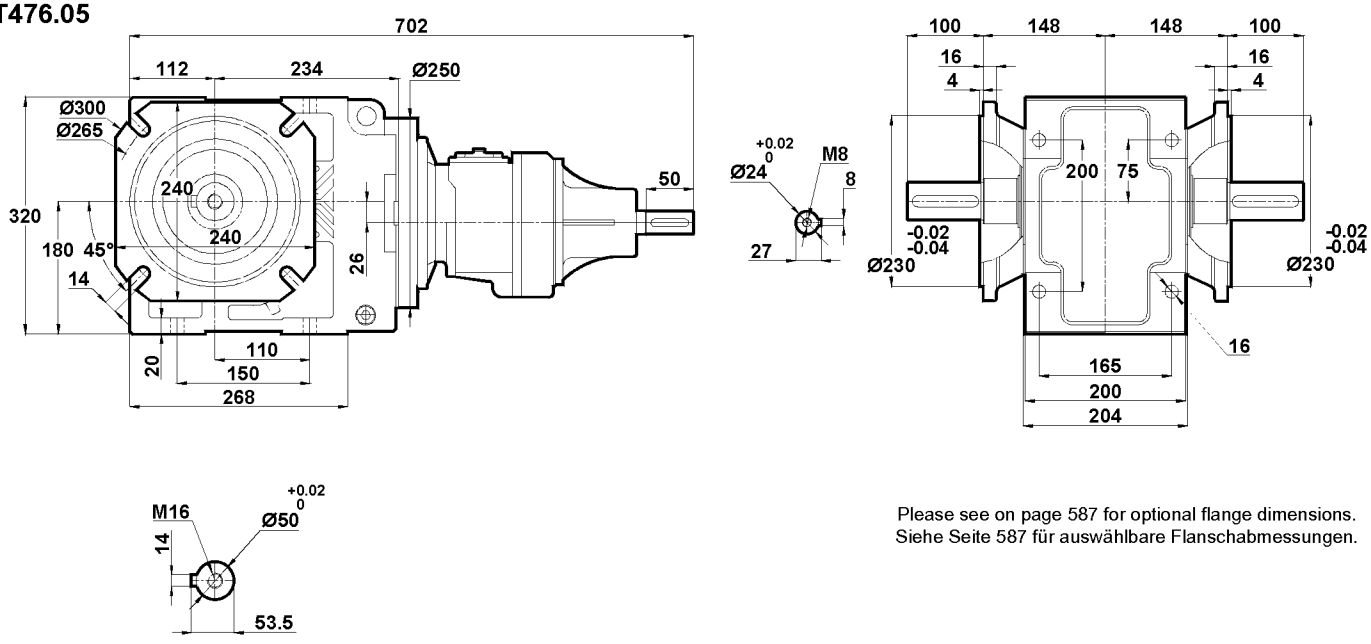
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT475.04
KT476.04



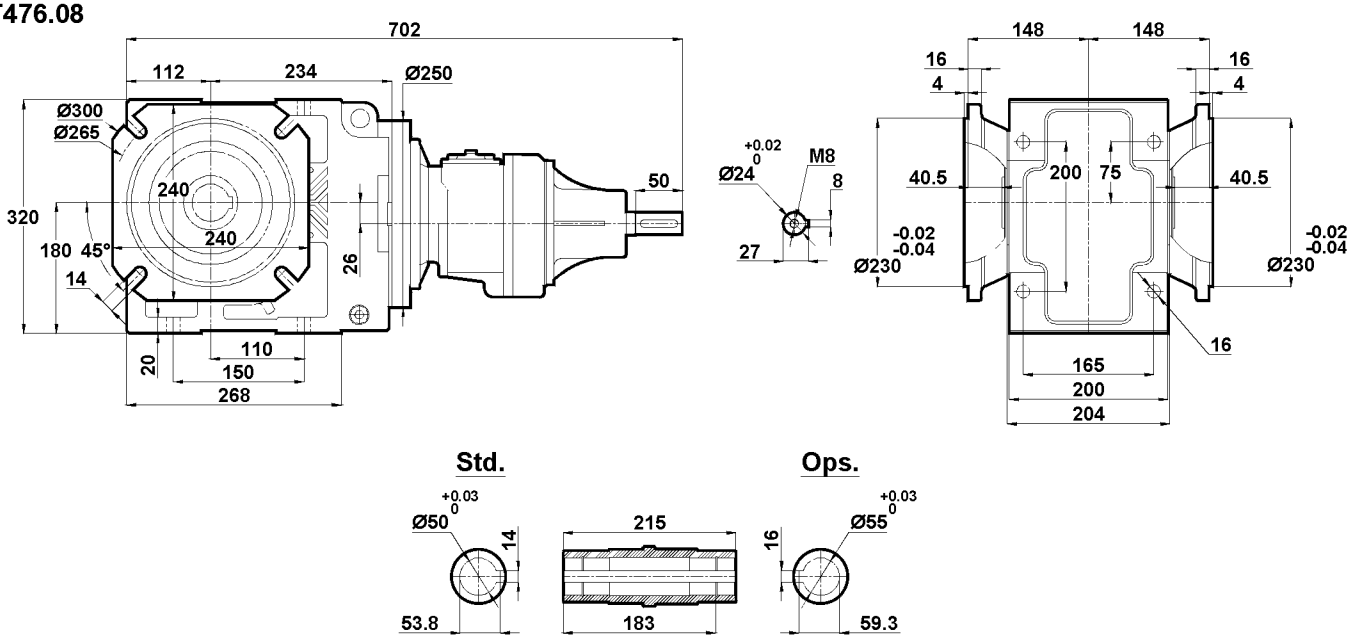
KT475.05
KT476.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT475.08
KT476.08

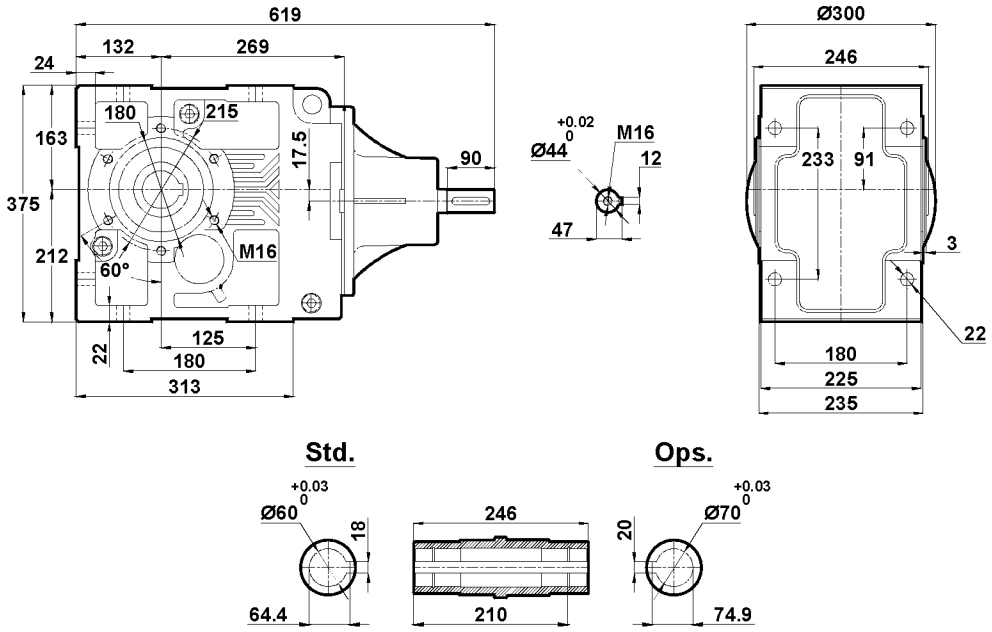


Std. **Ops.**

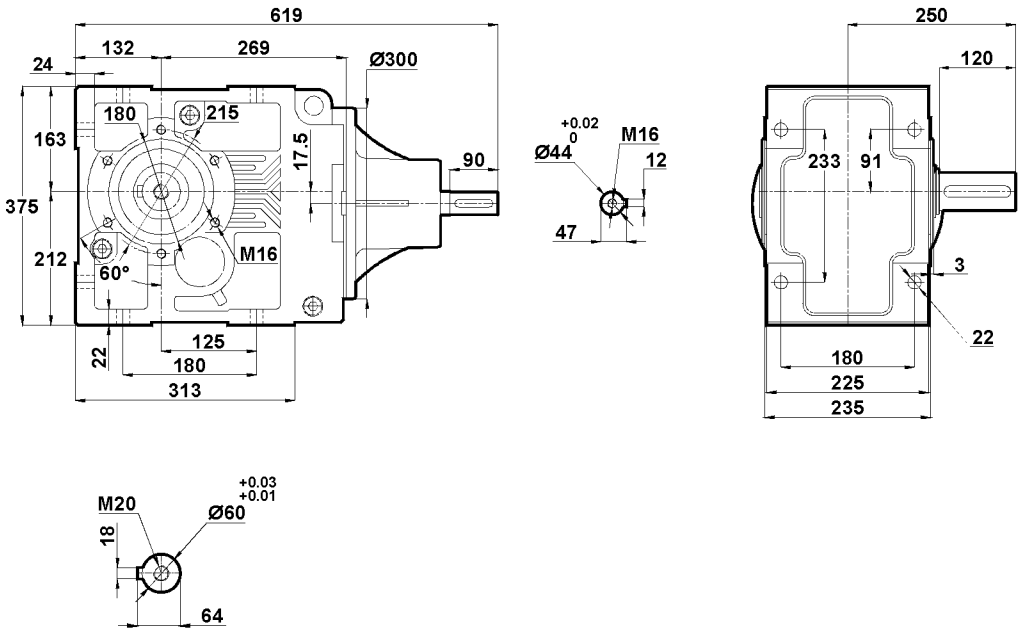
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT573.00

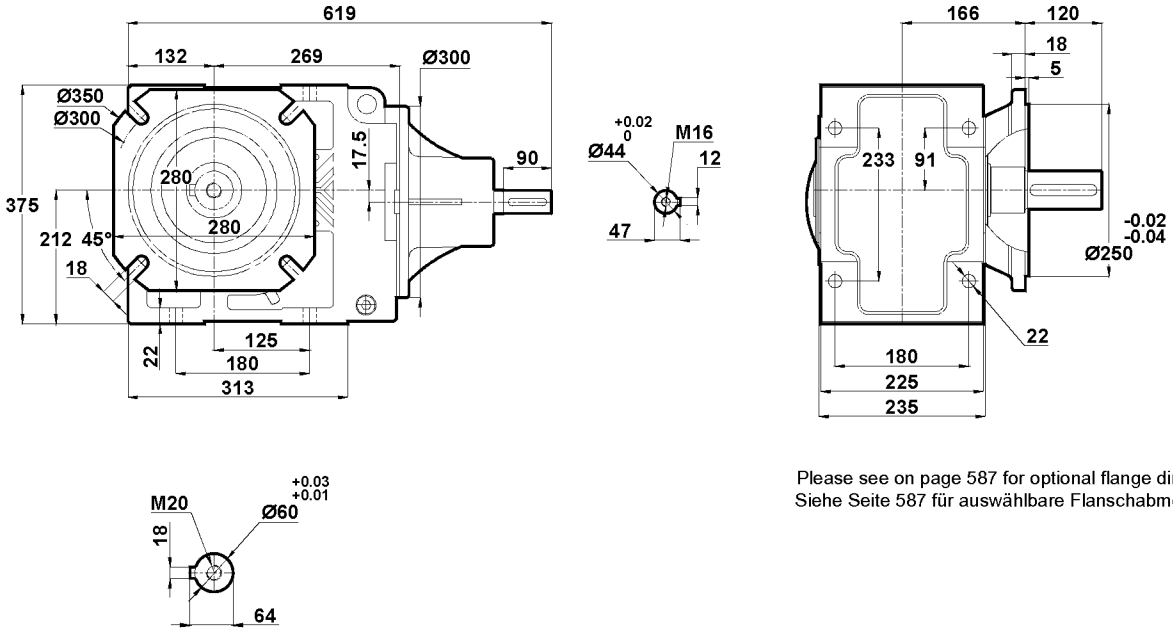


KT573.01



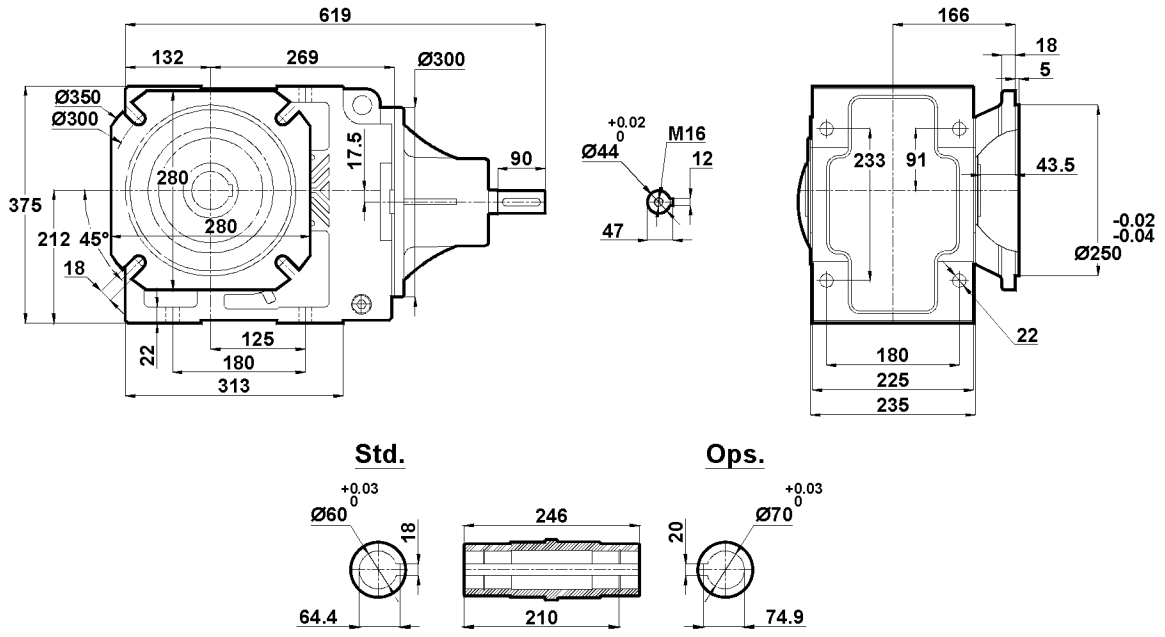
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT573.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

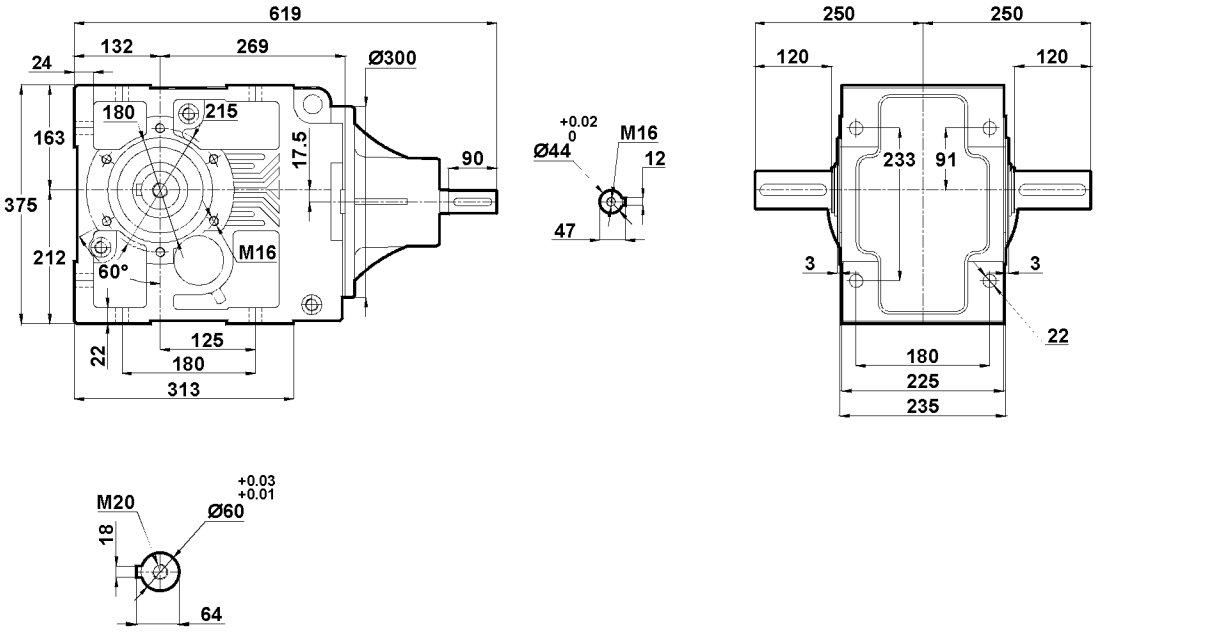
KT573.03



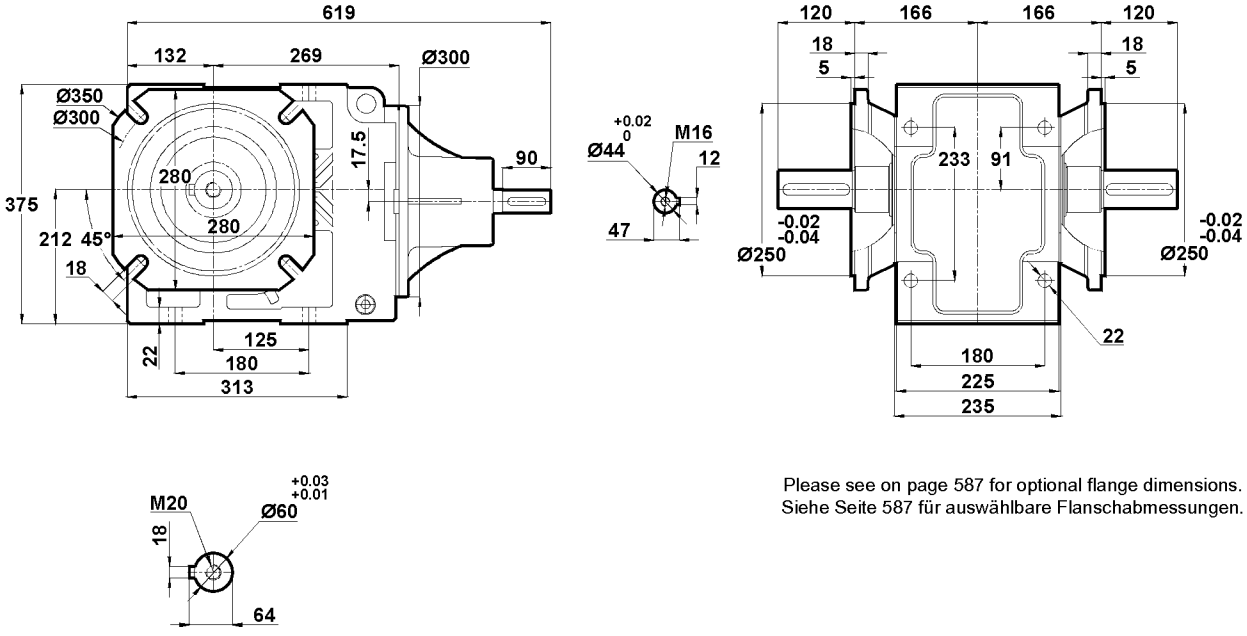
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT573.04



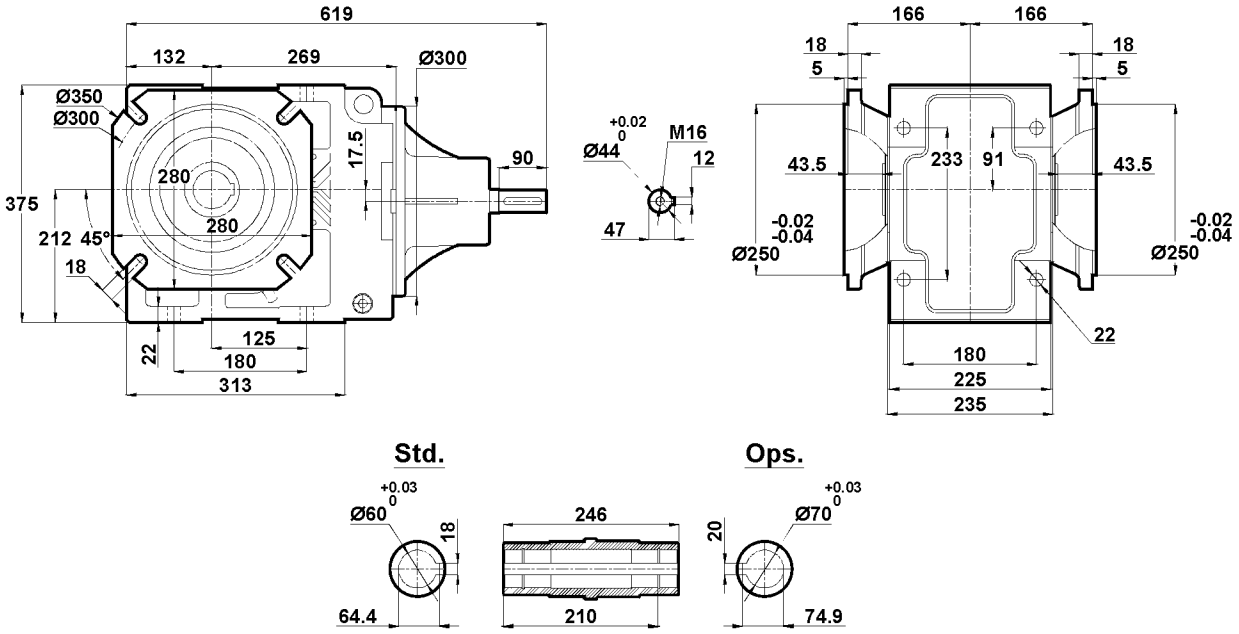
KT573.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

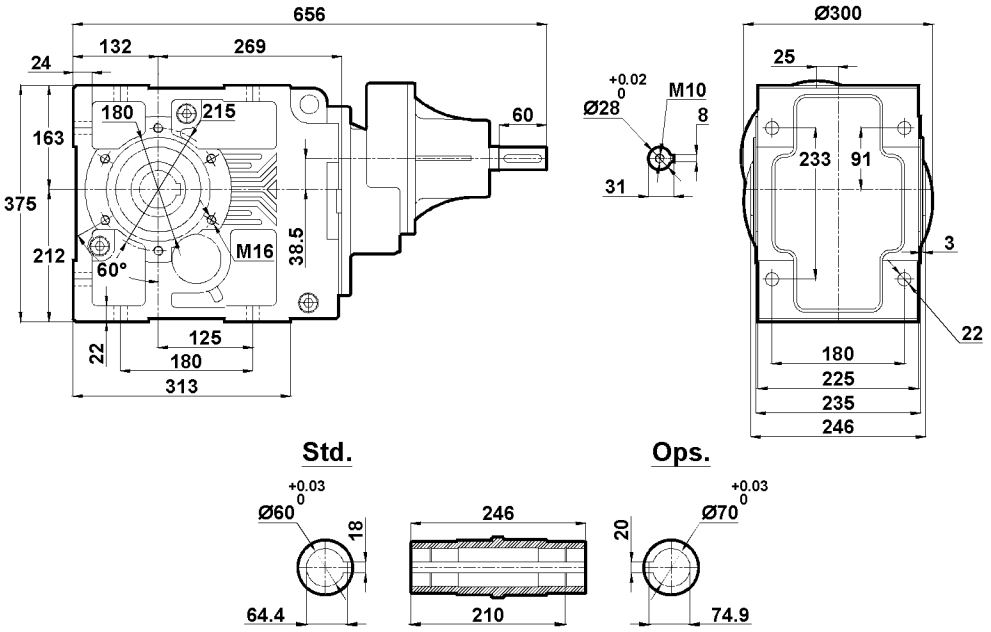
KT573.08



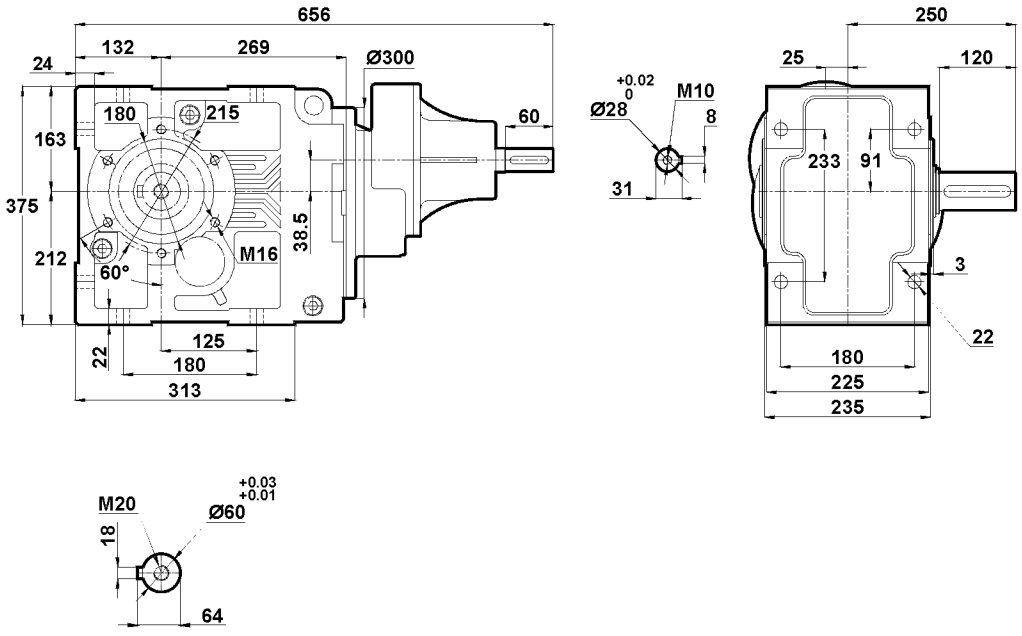
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT574.00

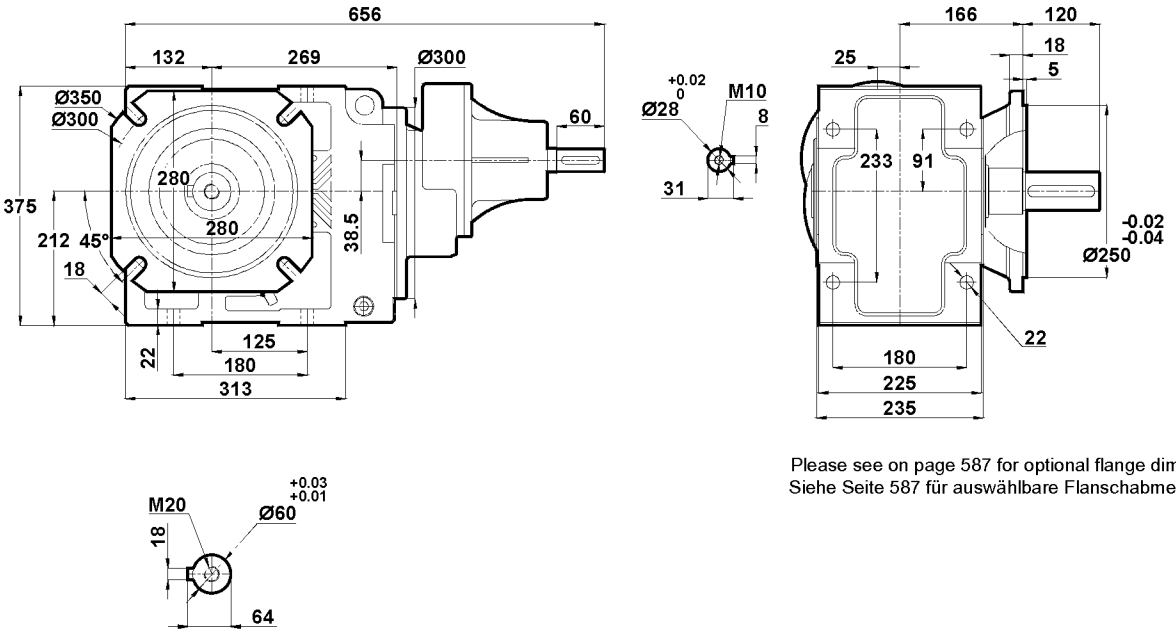


KT574.01



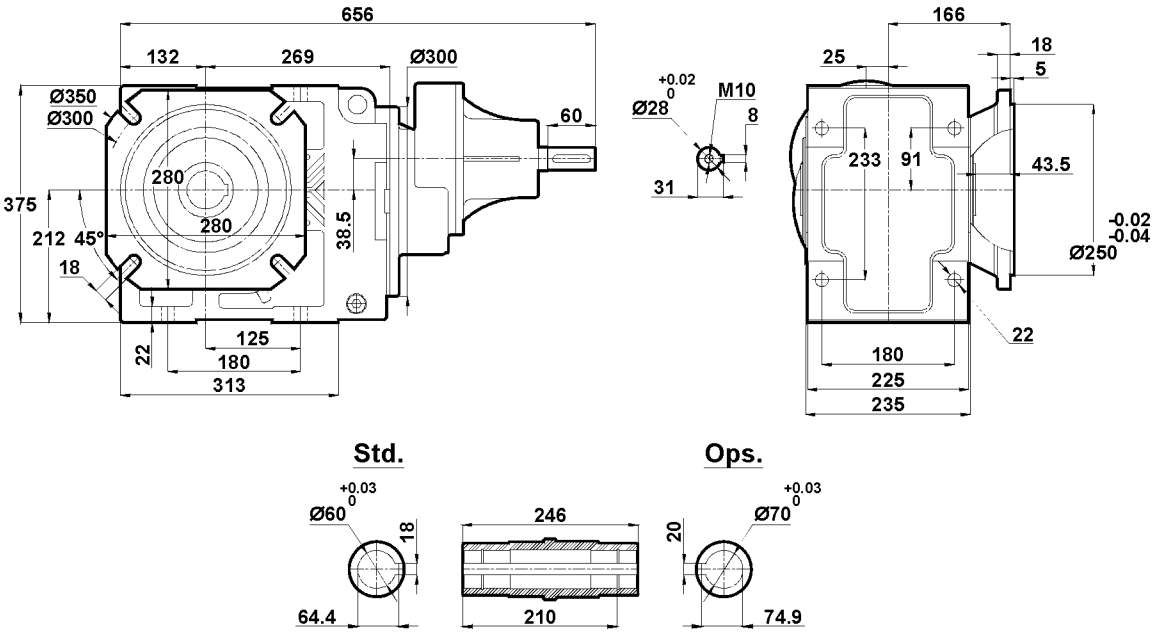
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT574.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

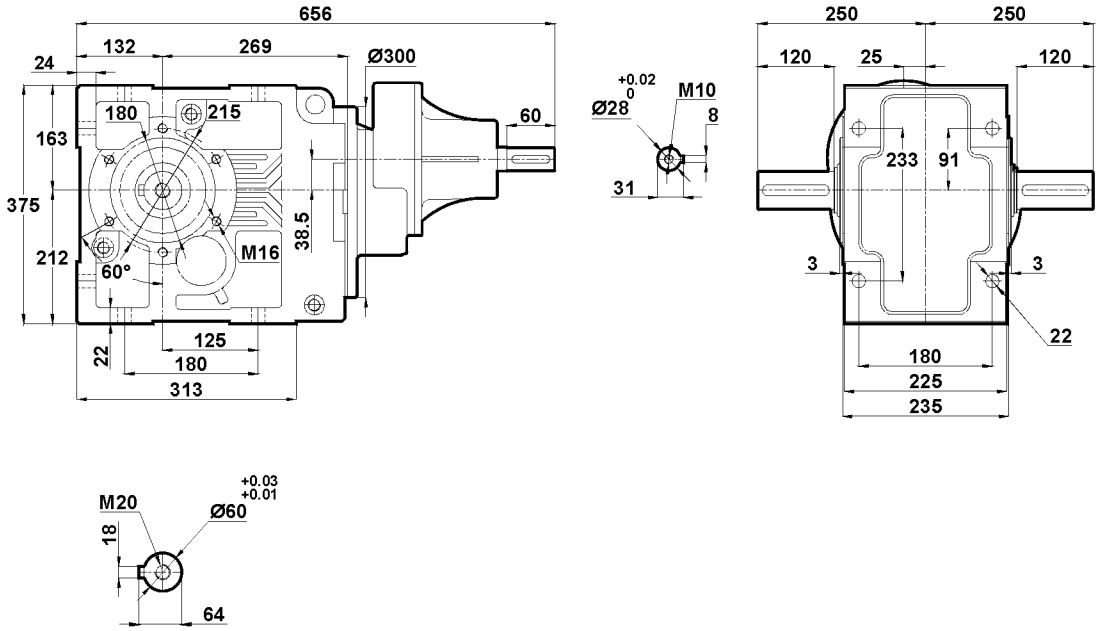
KT574.03



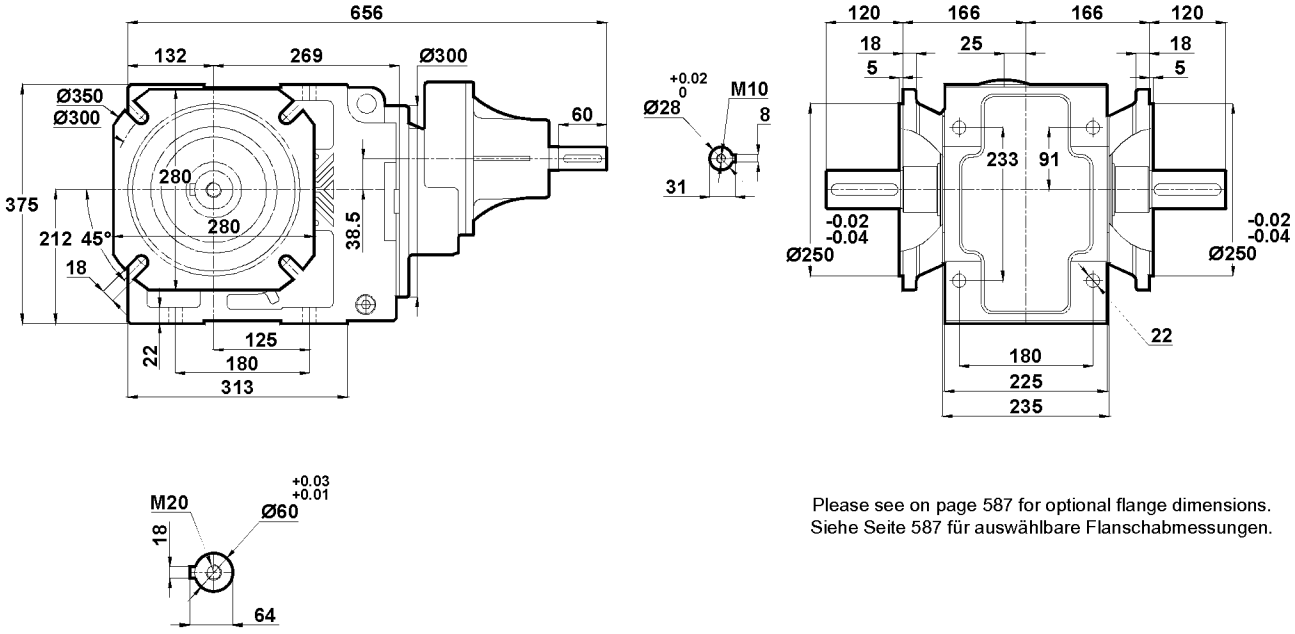
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT574.04



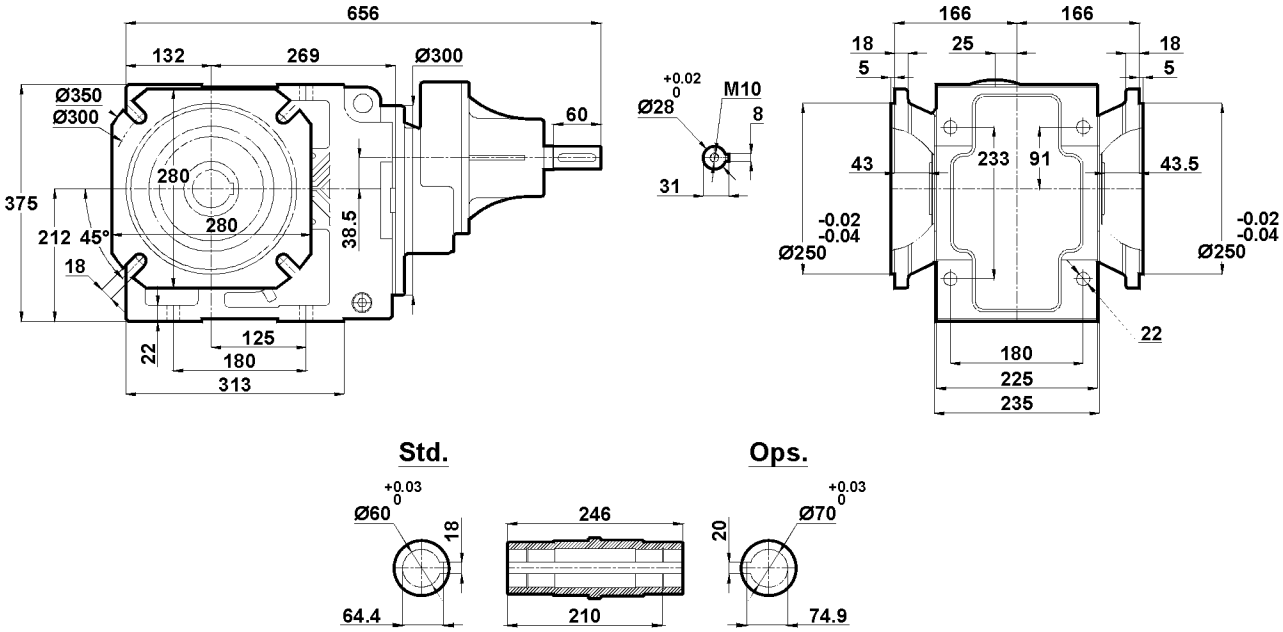
KT574.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT574.08

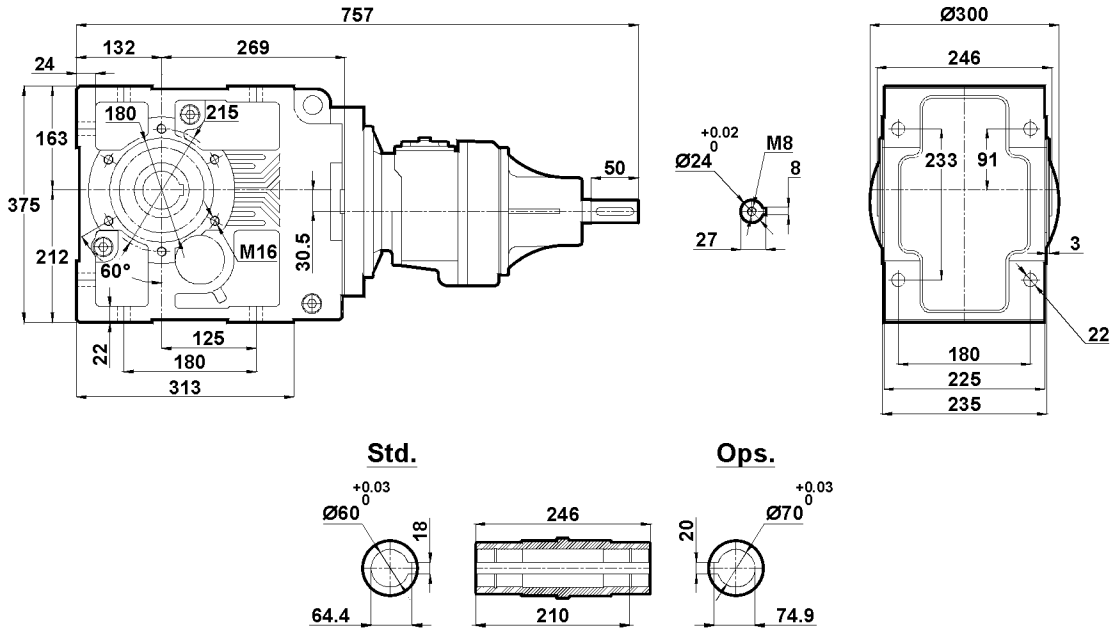


Std. **Ops.**

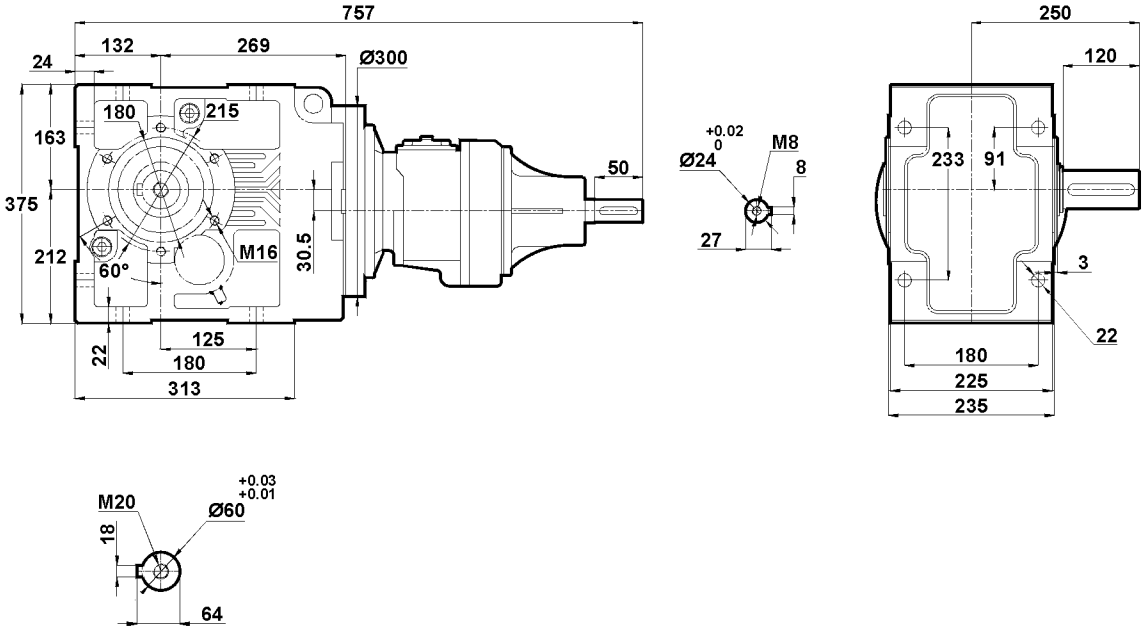
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

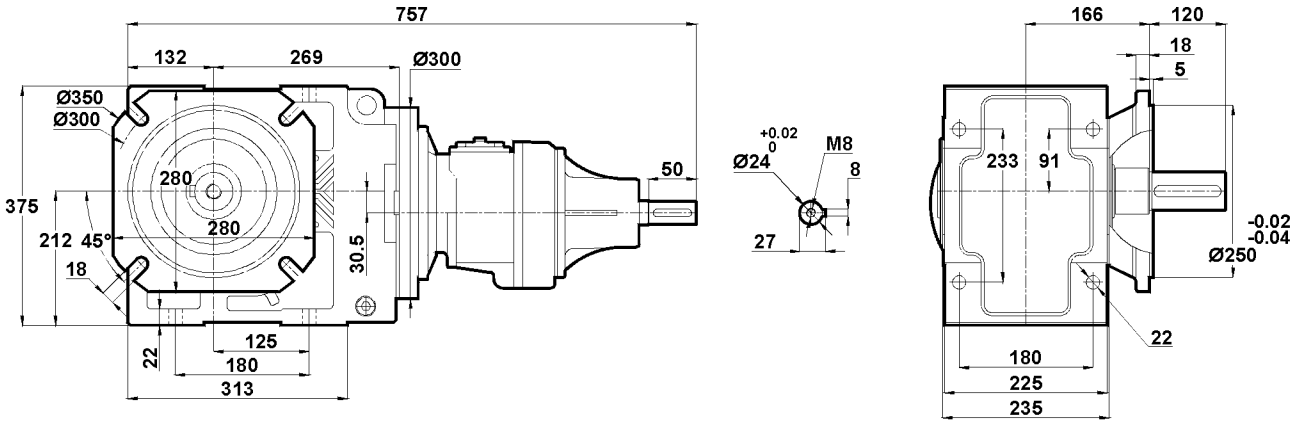
KT575.00
KT576.00



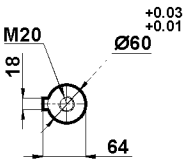
KT575.01
KT576.01



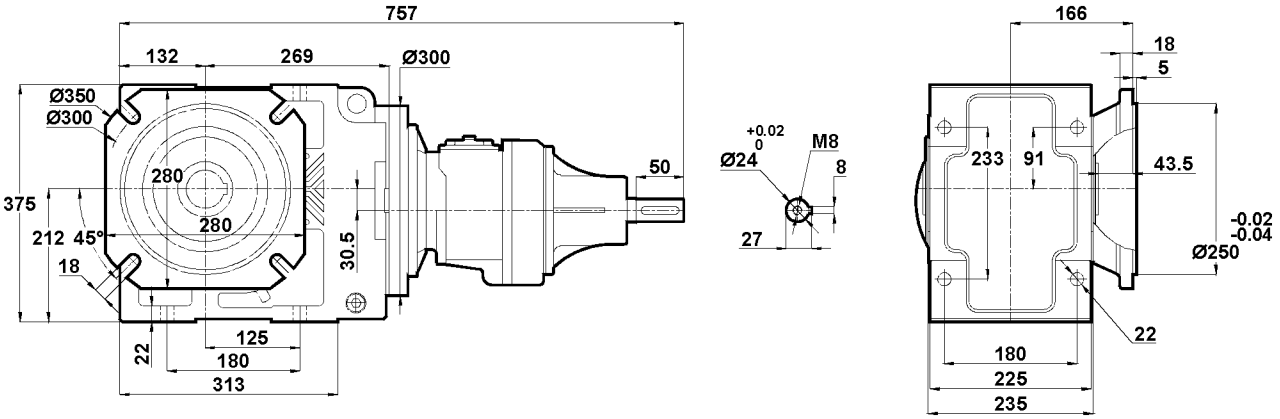
KT575.02
KT576.02



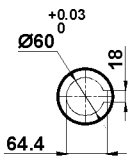
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

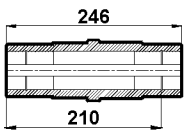


KT575.03
KT576.03

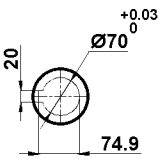


Std.





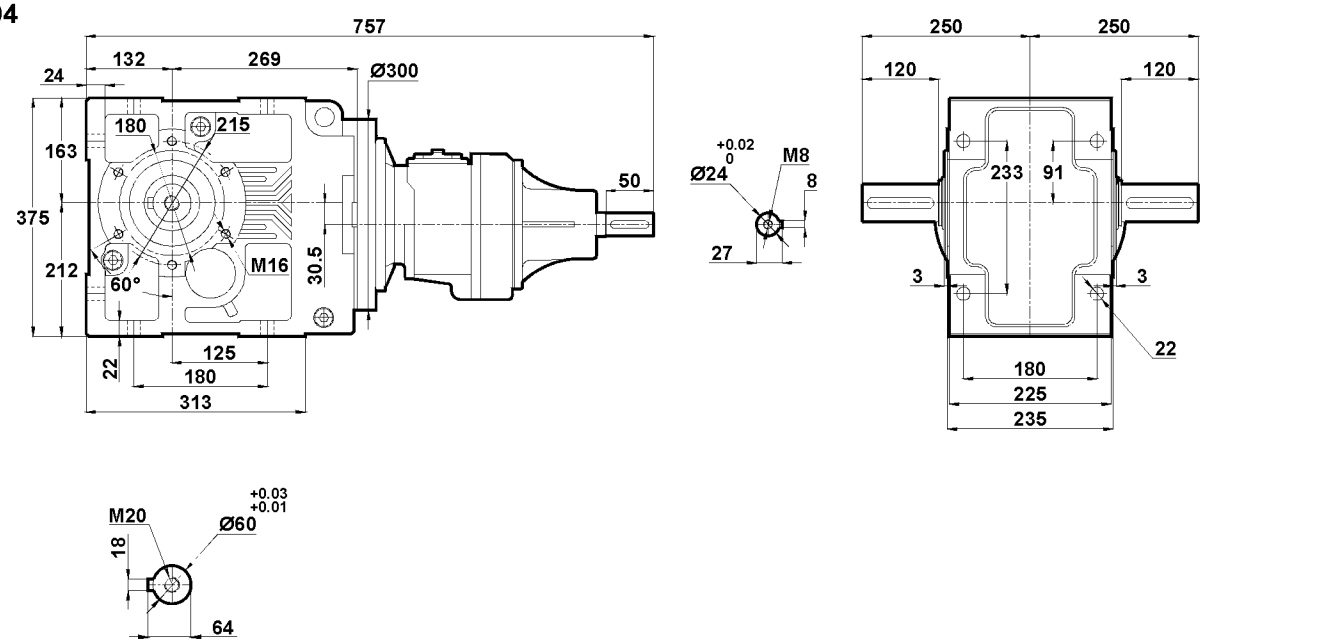
Ops.



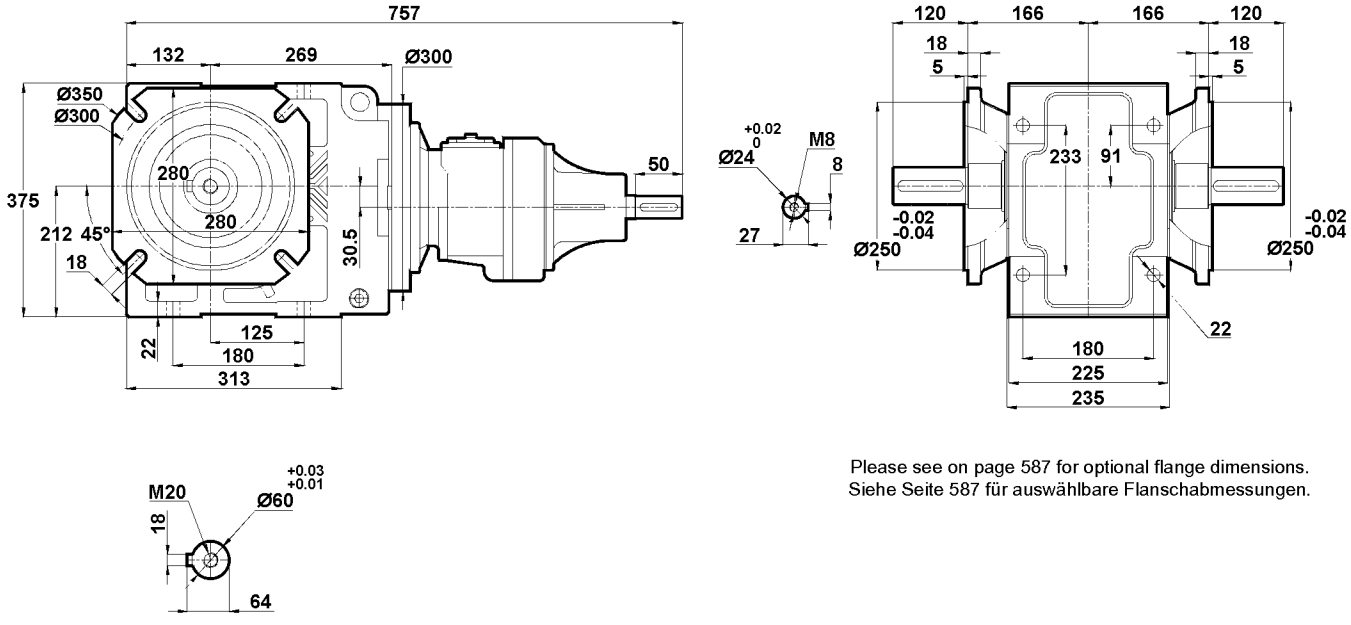
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT575.04
KT576.04



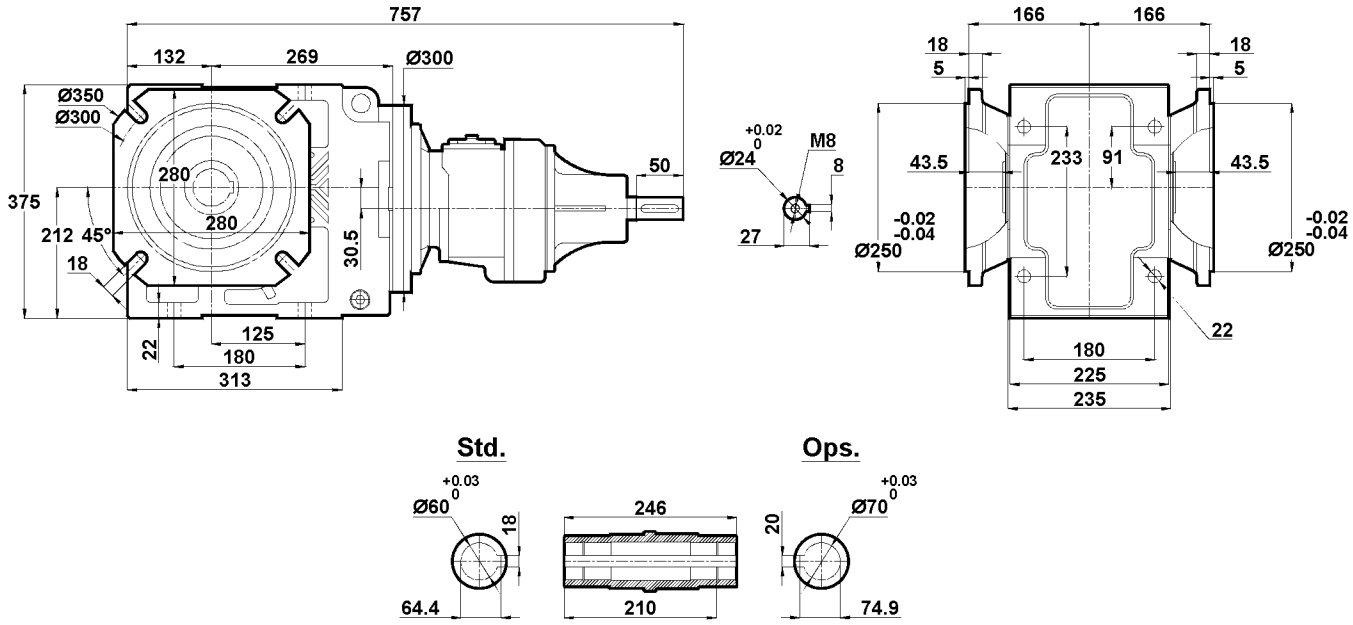
KT575.05
KT576.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

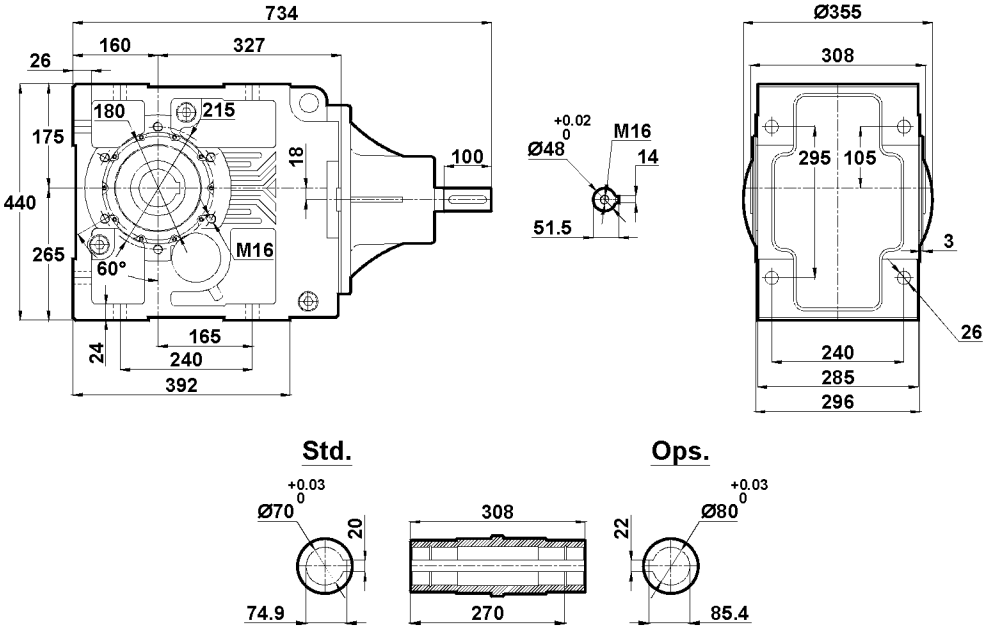
KT575.08
KT576.08



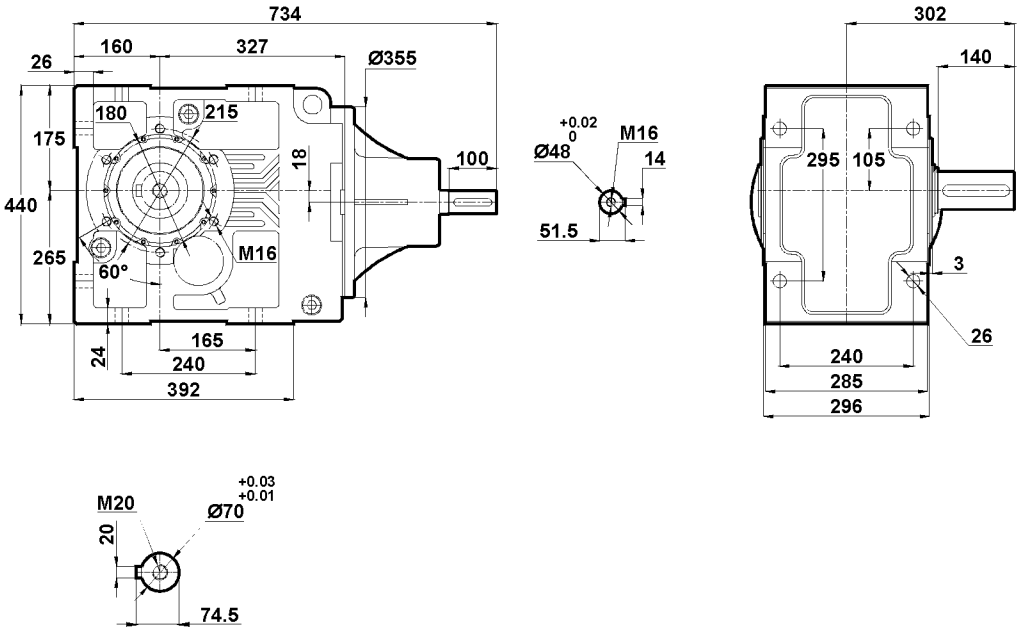
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT673.00

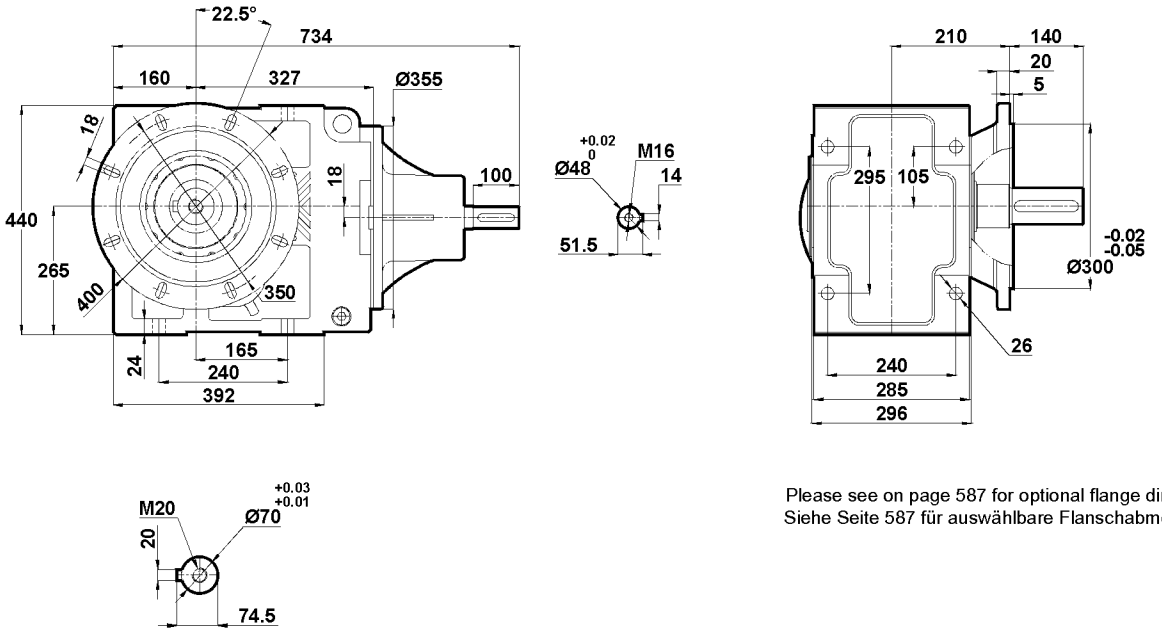


KT673.01



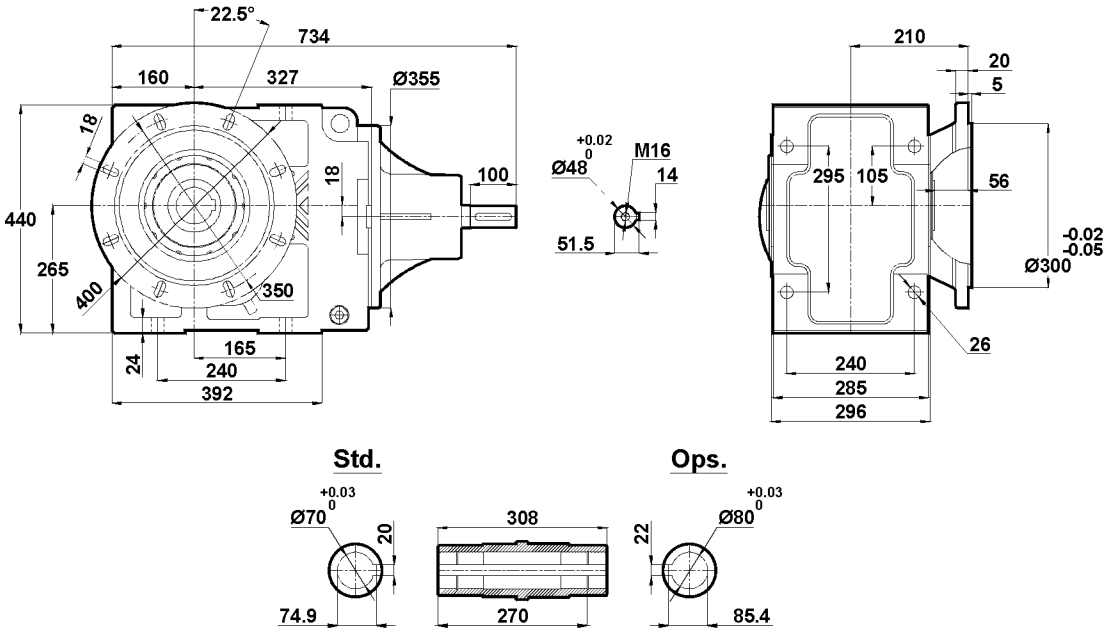
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT673.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

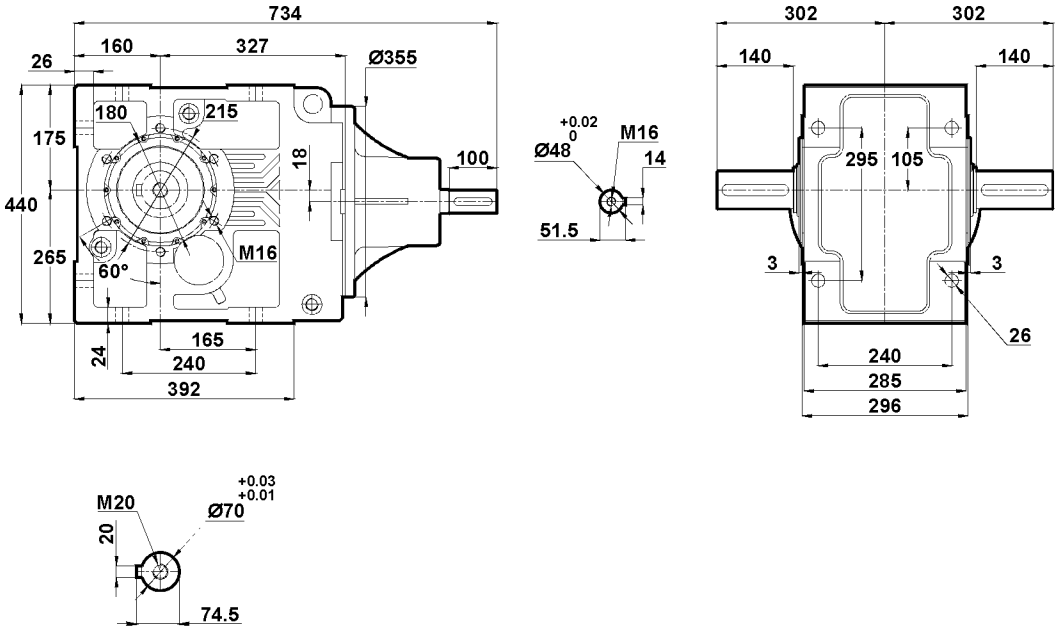
KT673.03



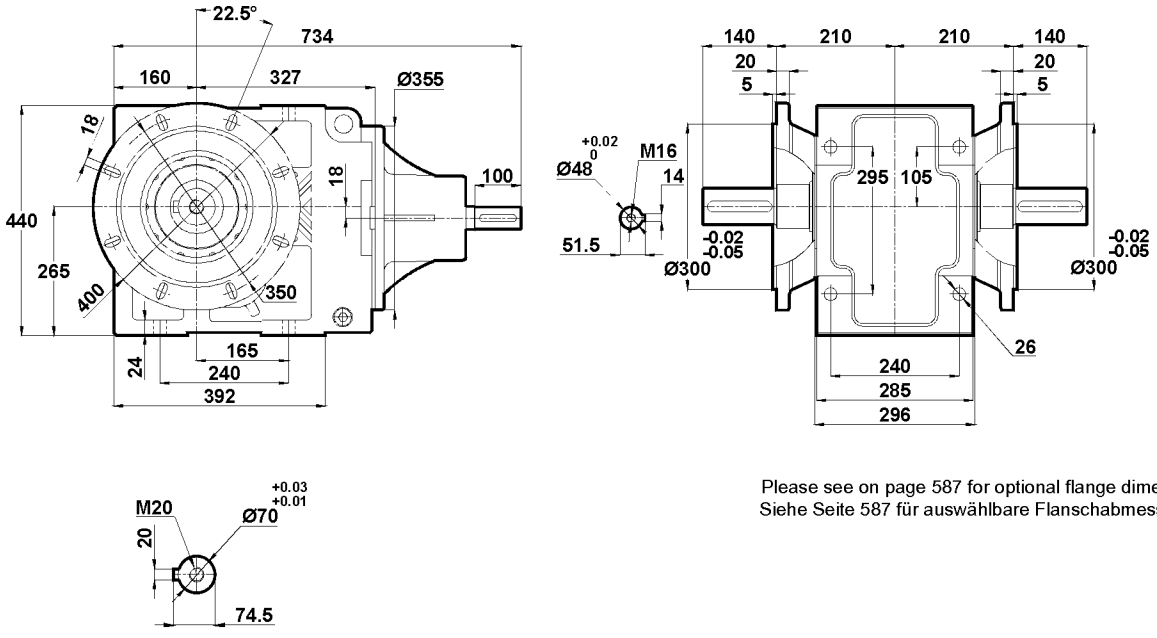
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT673.04



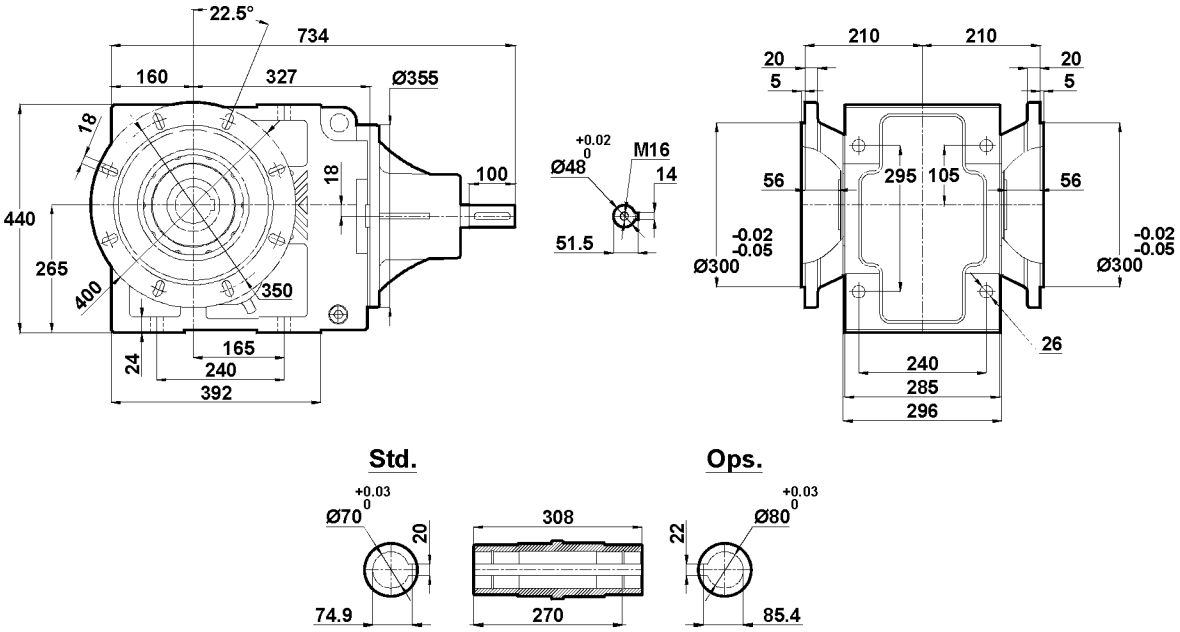
KT673.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

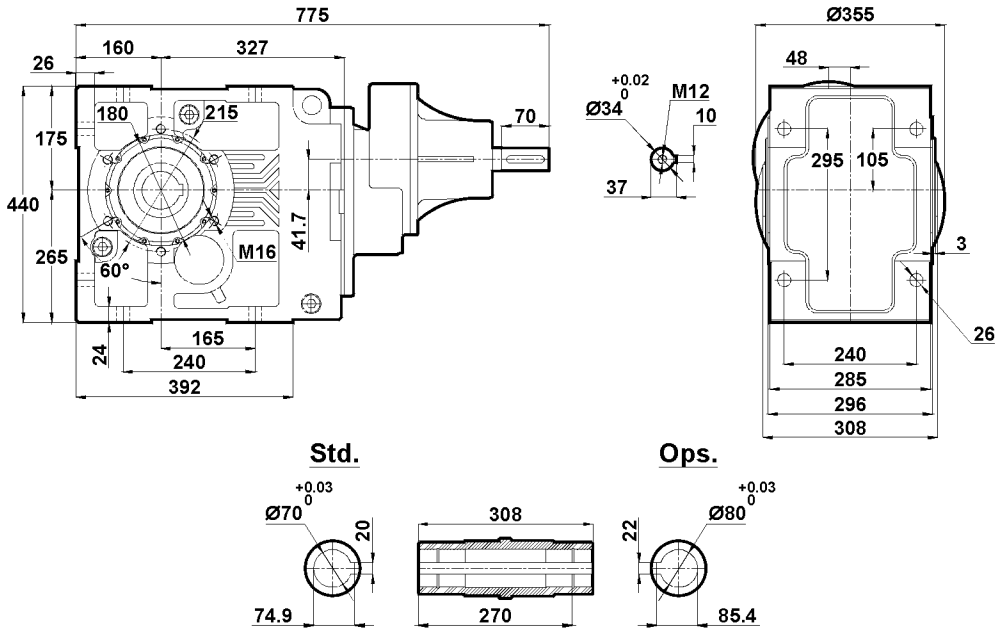
KT673.08



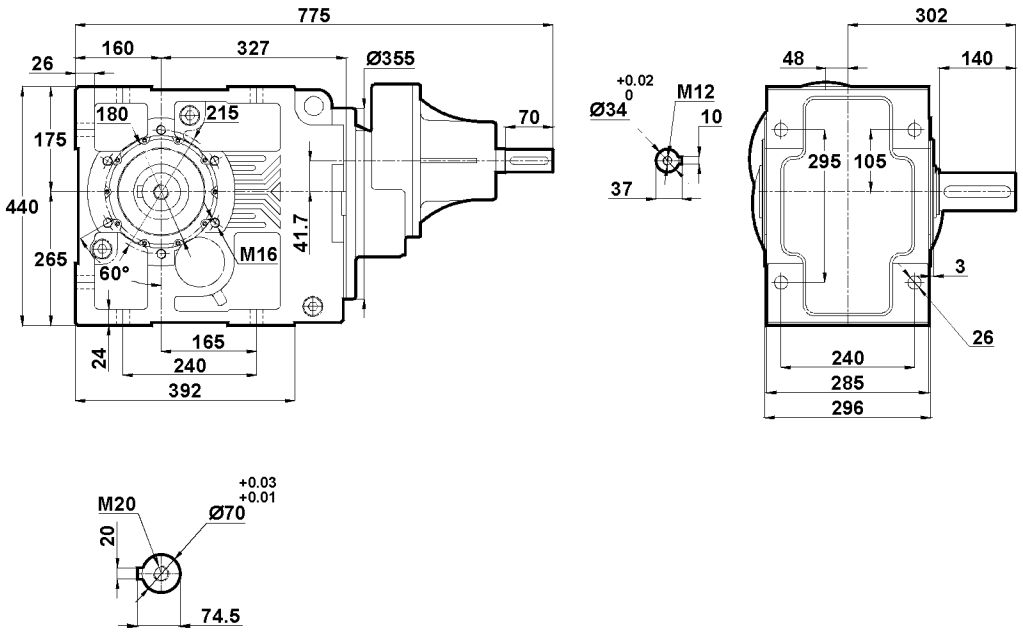
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT674.00

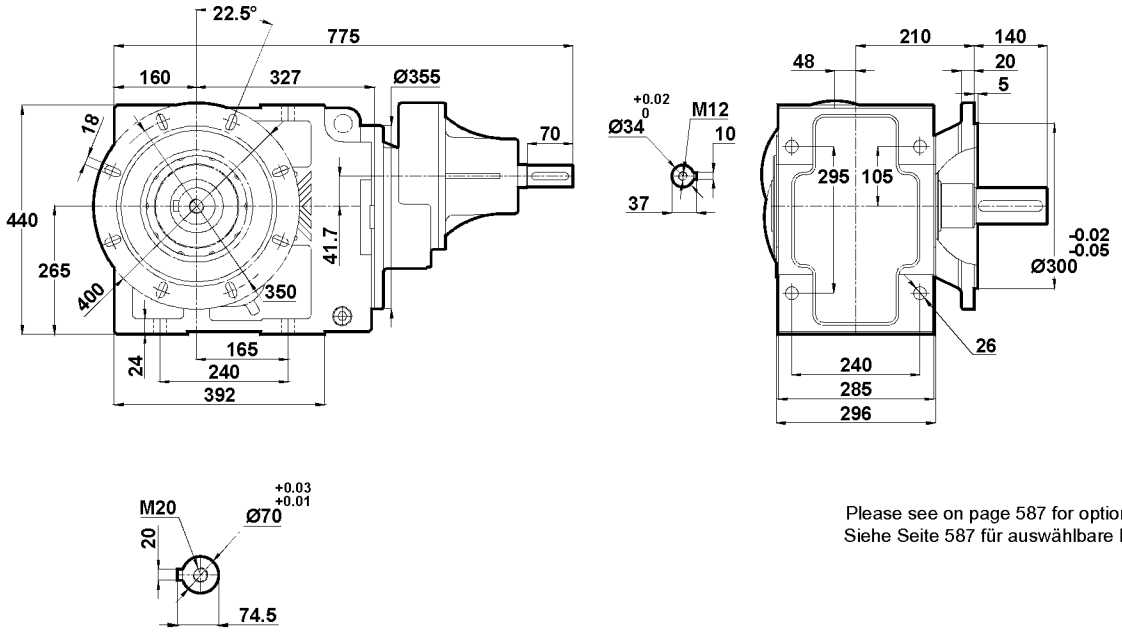


KT674.01



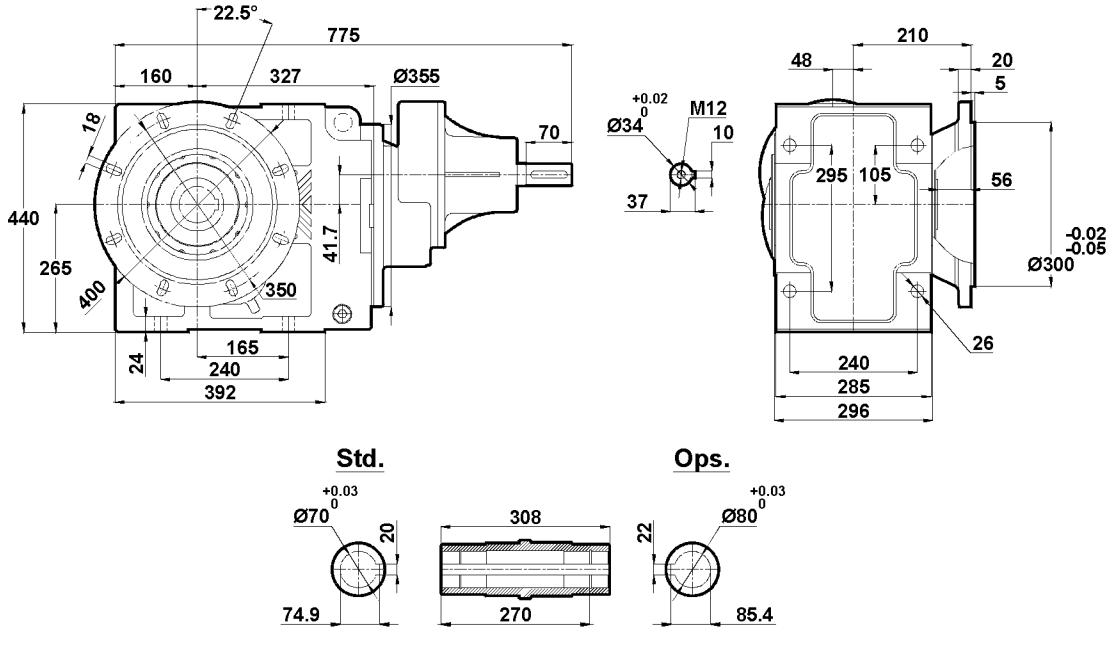
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT674.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

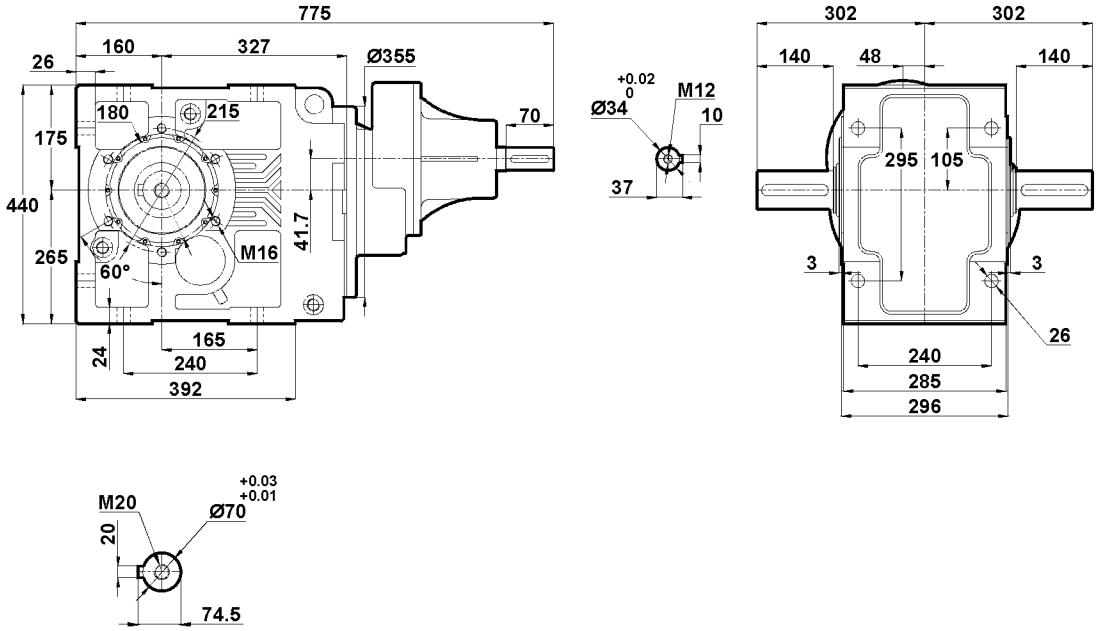
KT674.03



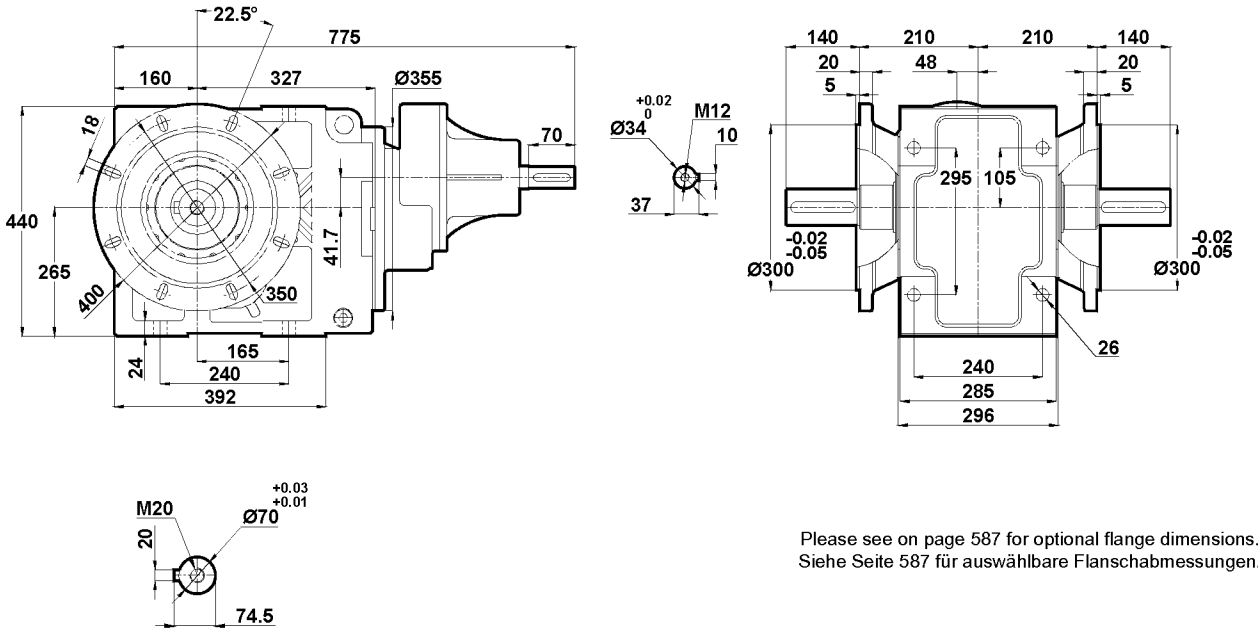
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT674.04



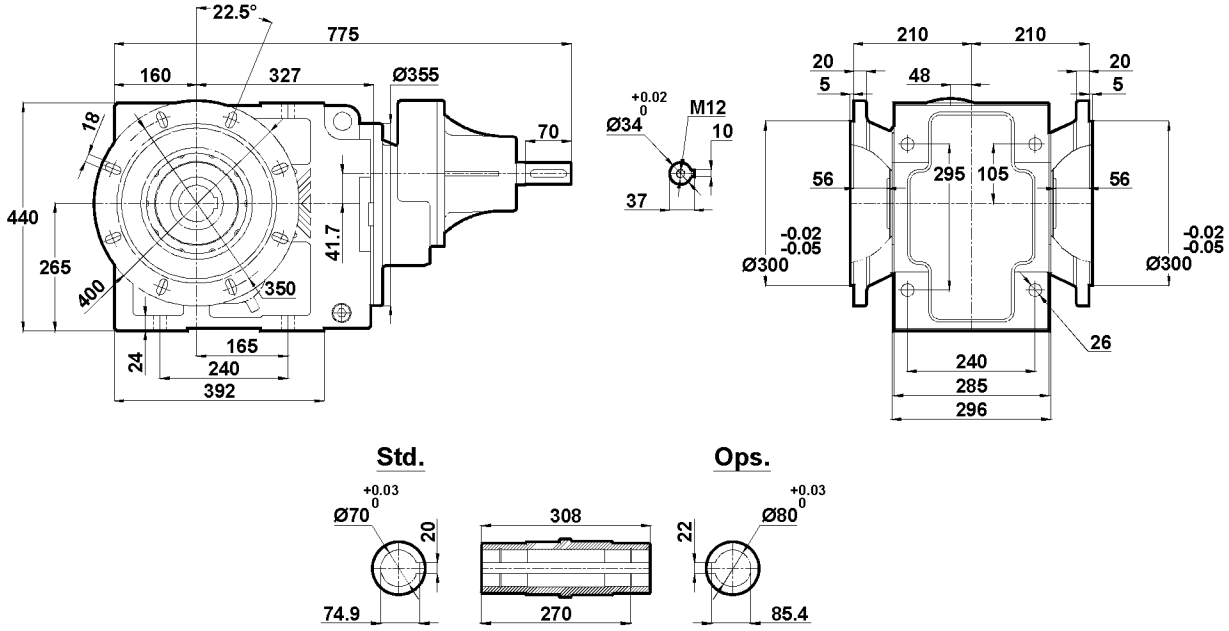
KT674.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

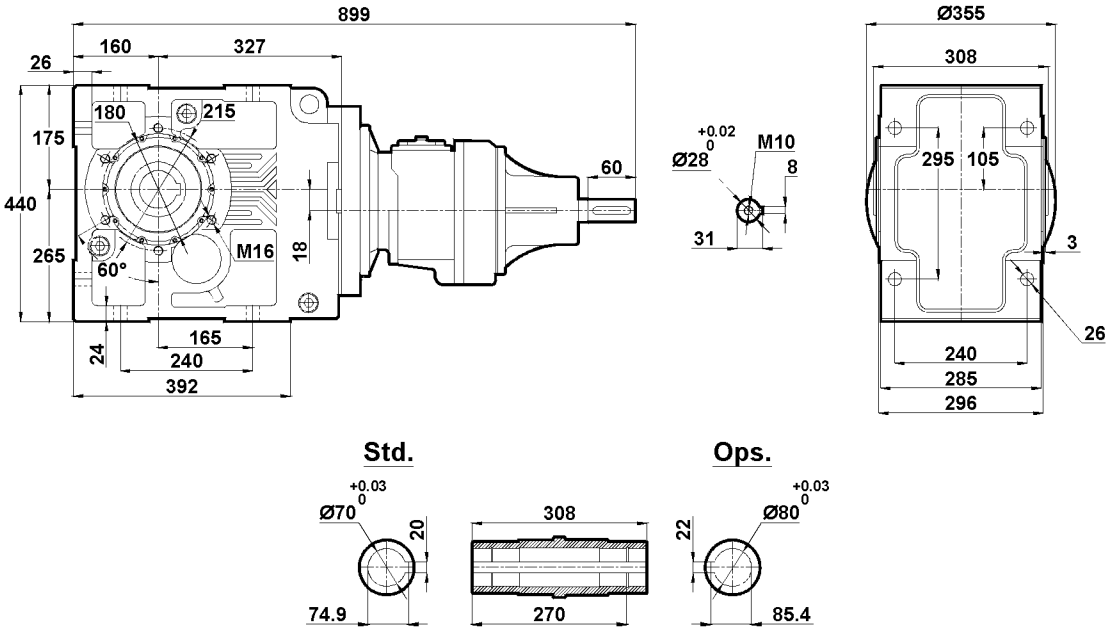
KT674.08



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

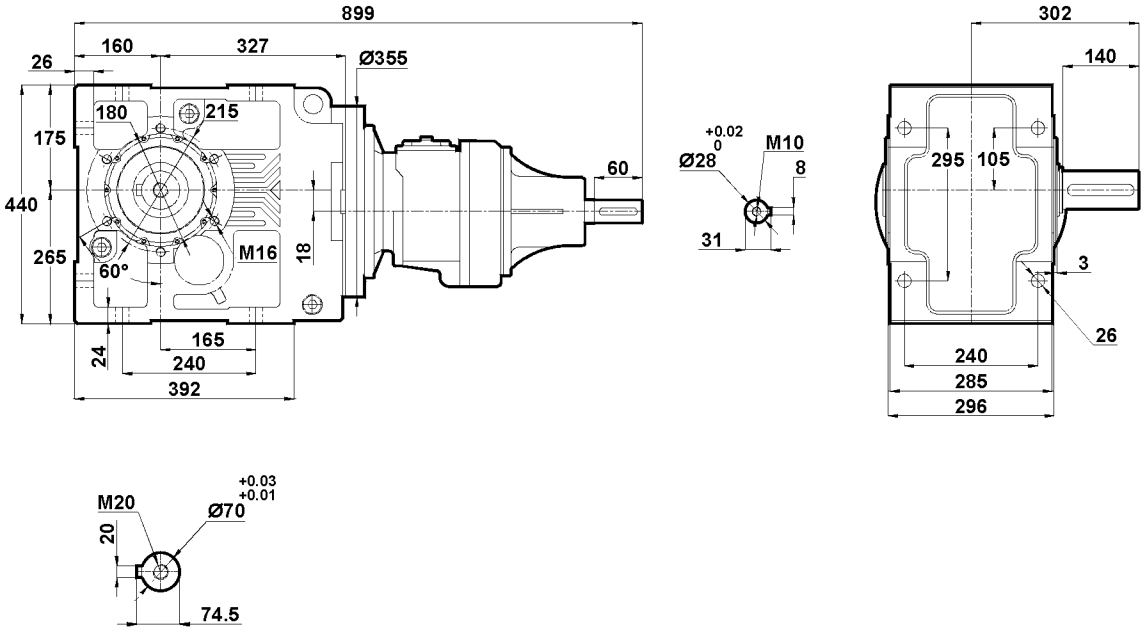
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT676.00



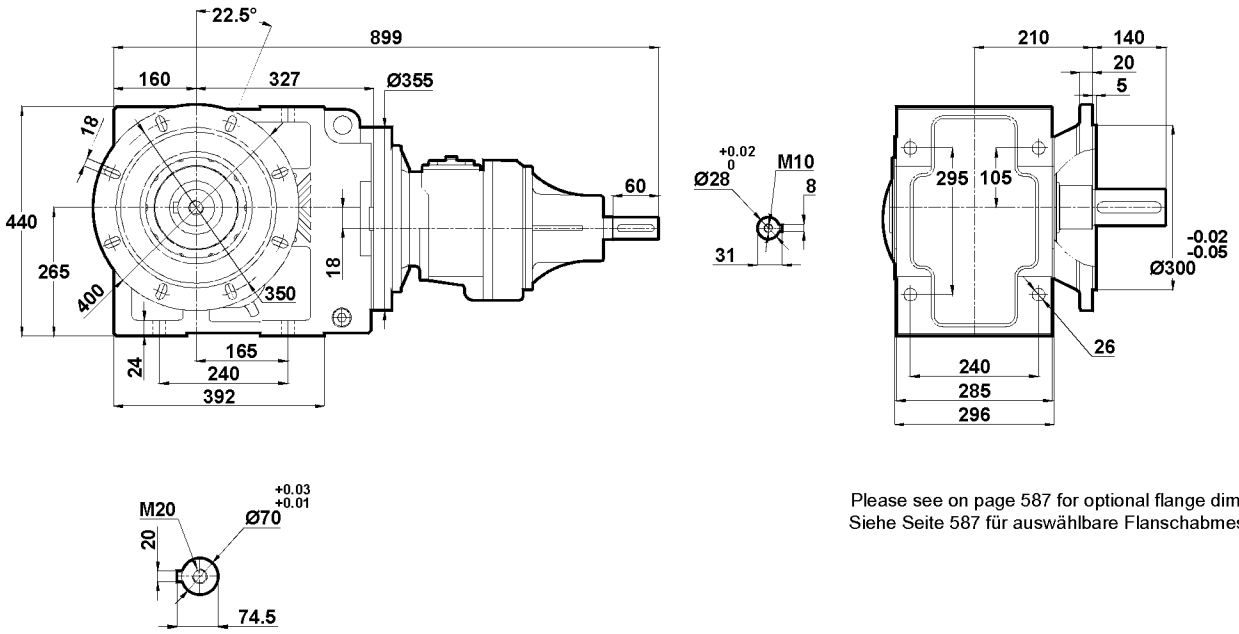
Std. **Ops.**

KT675.01
KT676.01



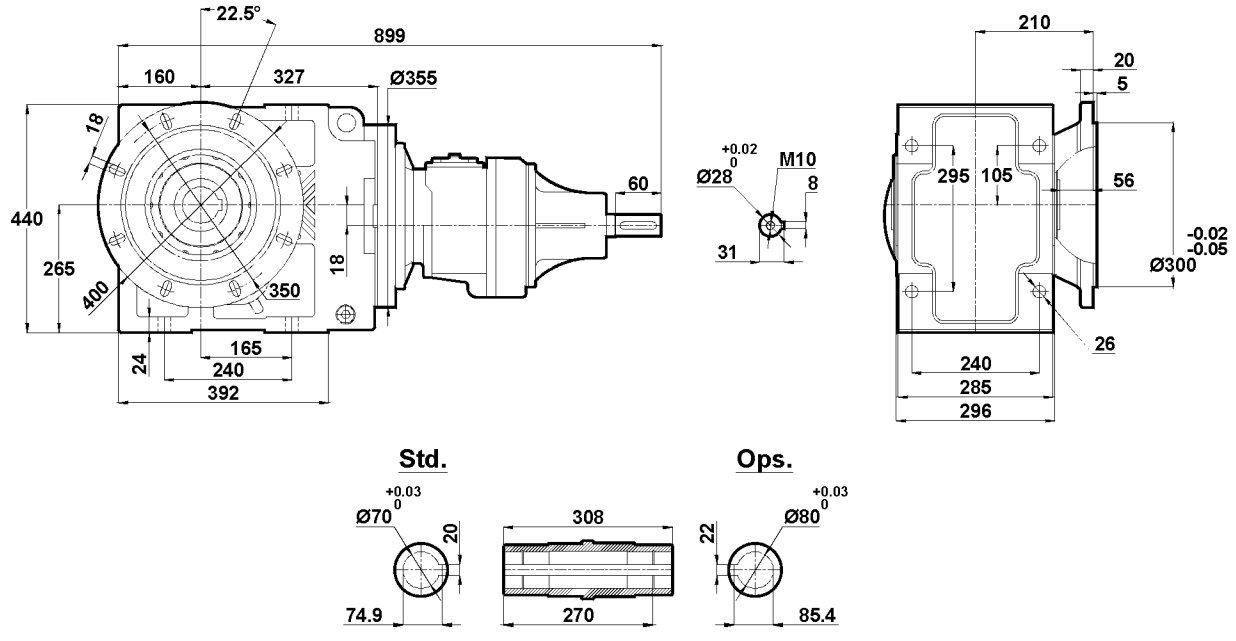
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT675.02
KT676.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

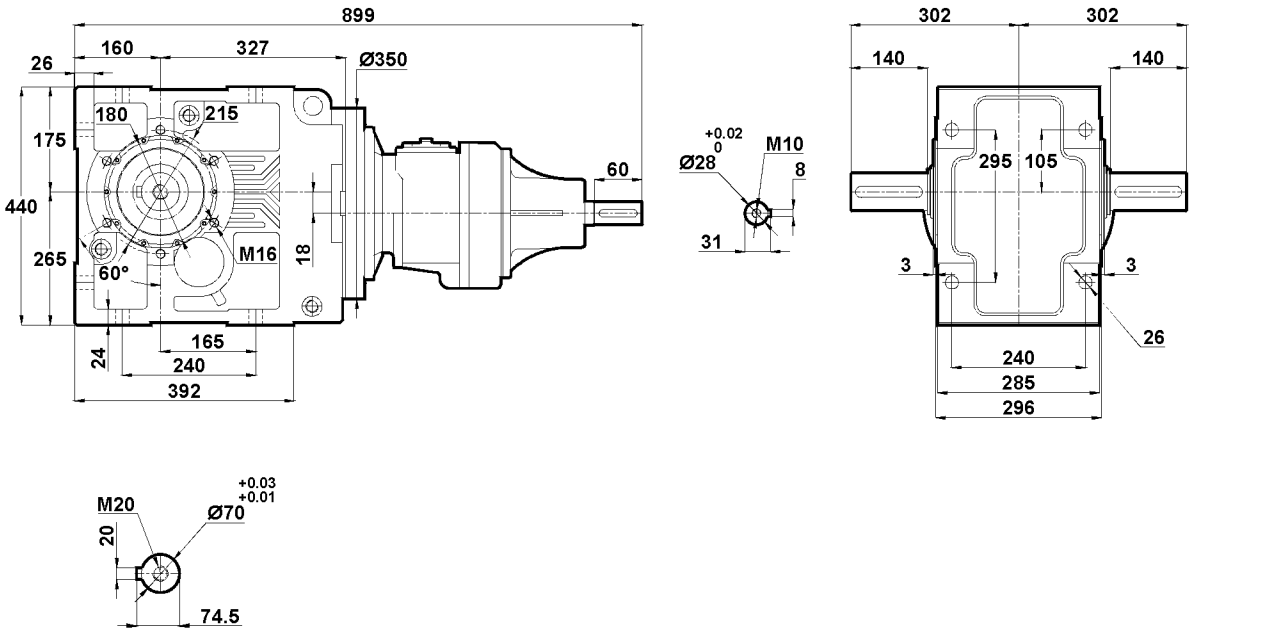
KT675.03
KT676.03



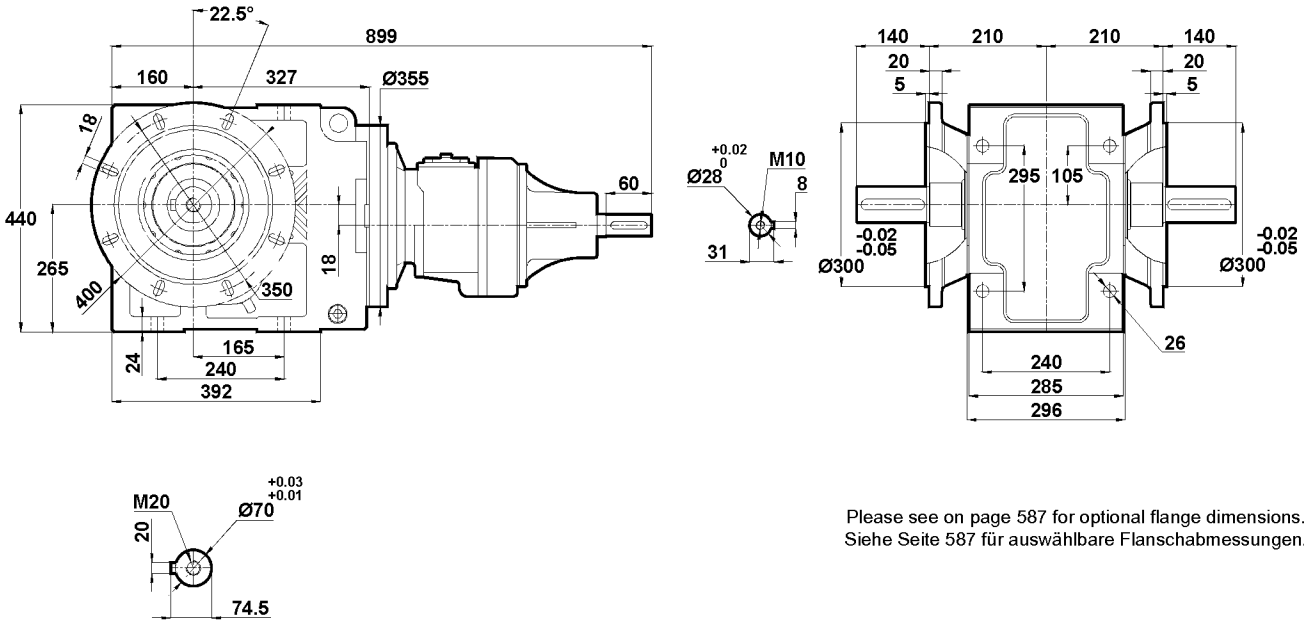
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT675.04
KT676.04



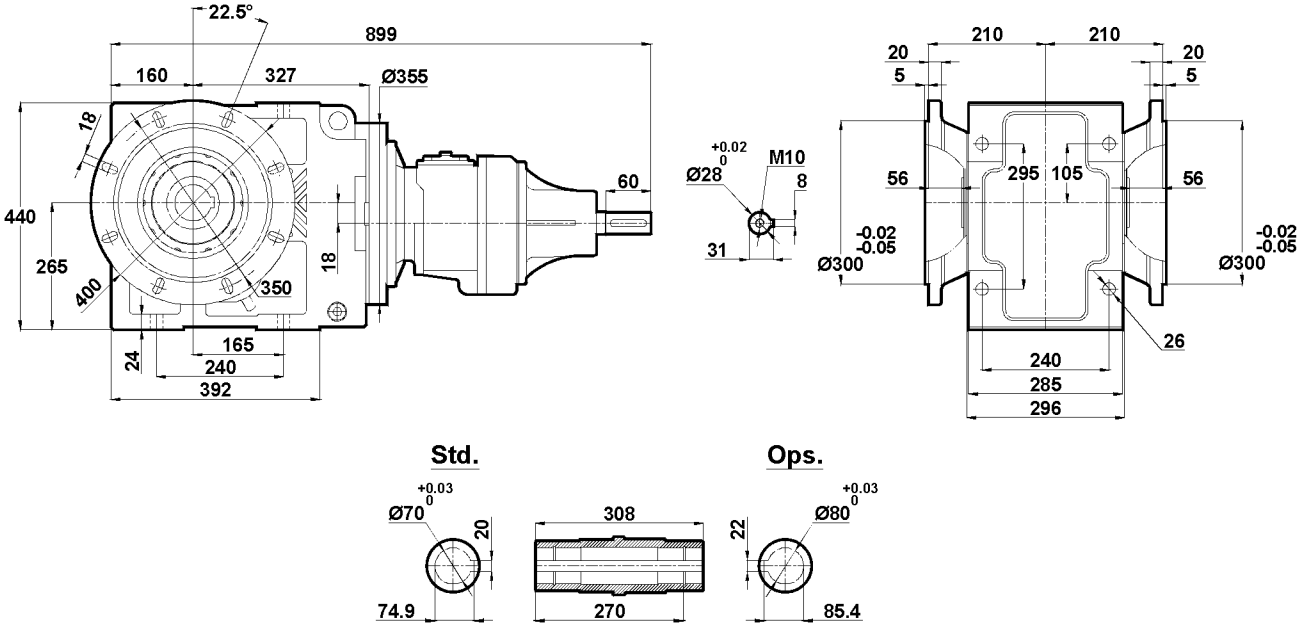
KT675.05
KT676.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT675.08
KT676.08



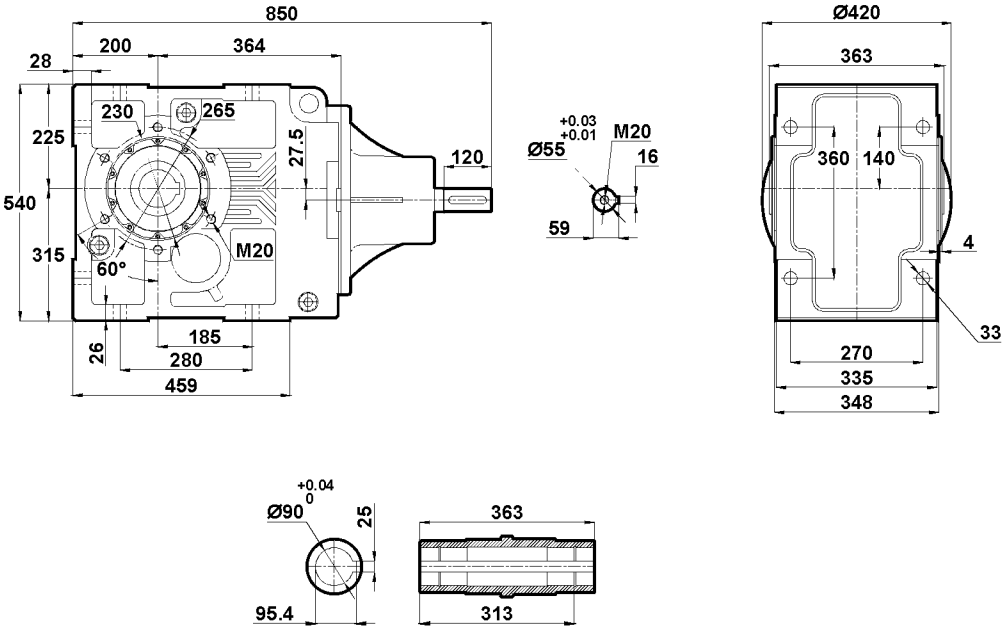
Std.

Ops.

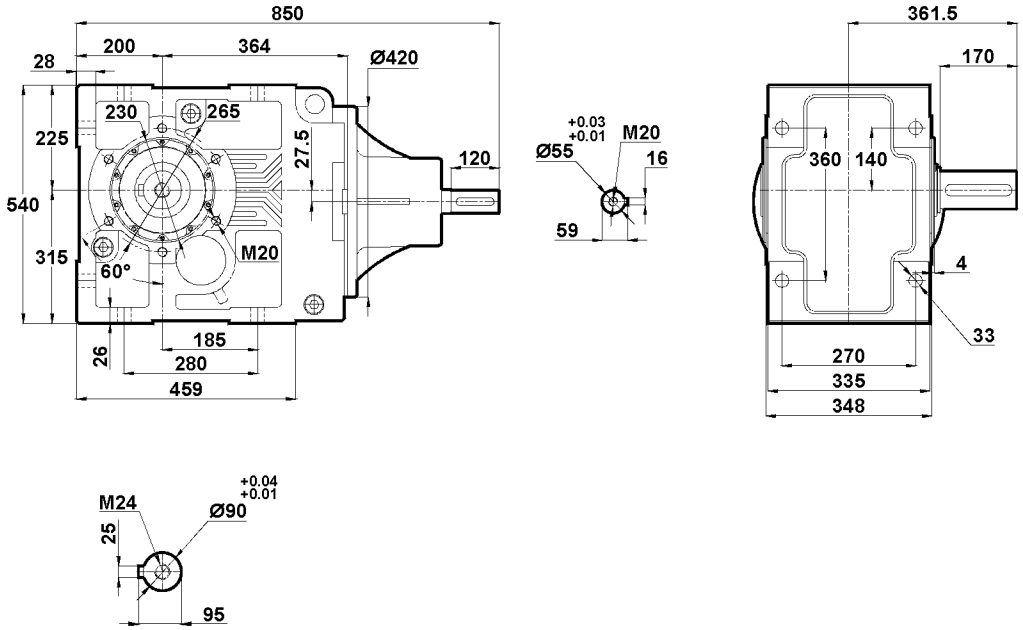
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT773.00

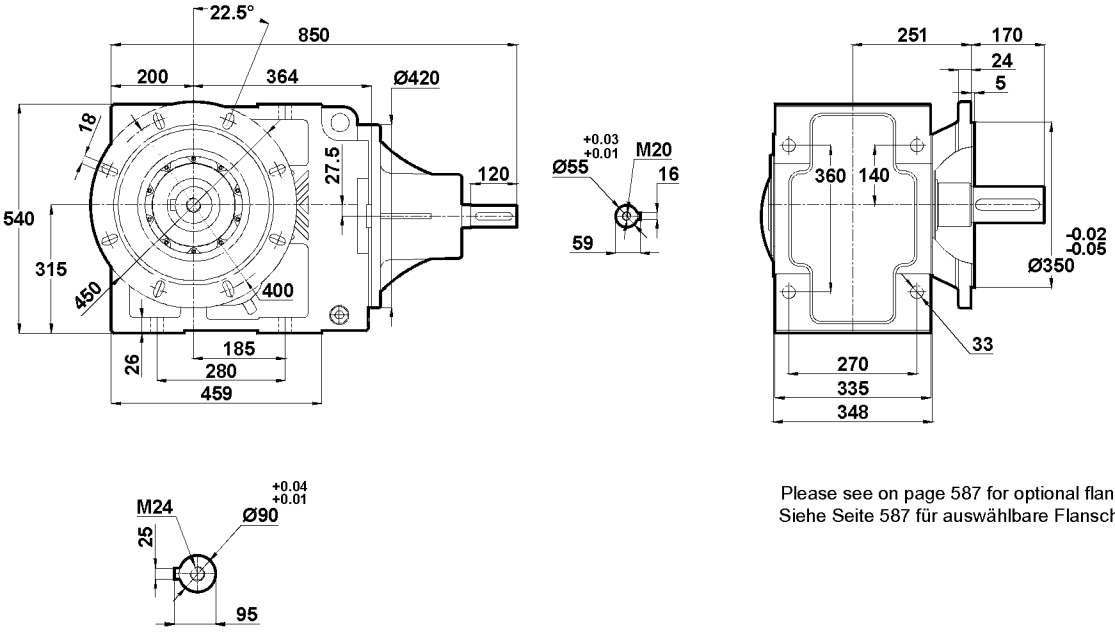


KT773.01



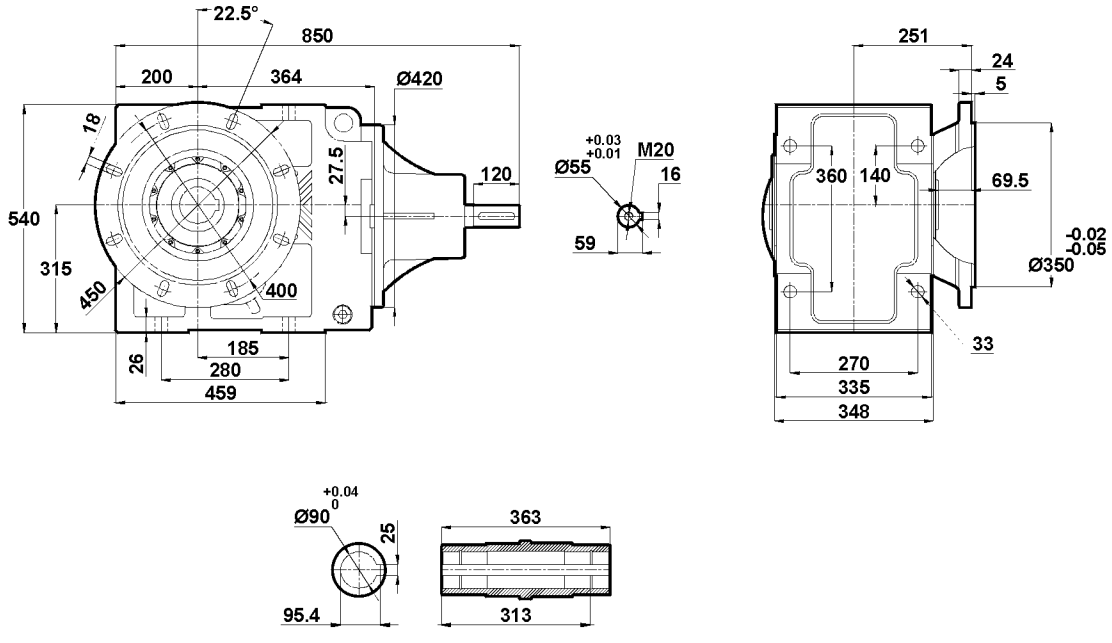
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT773.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

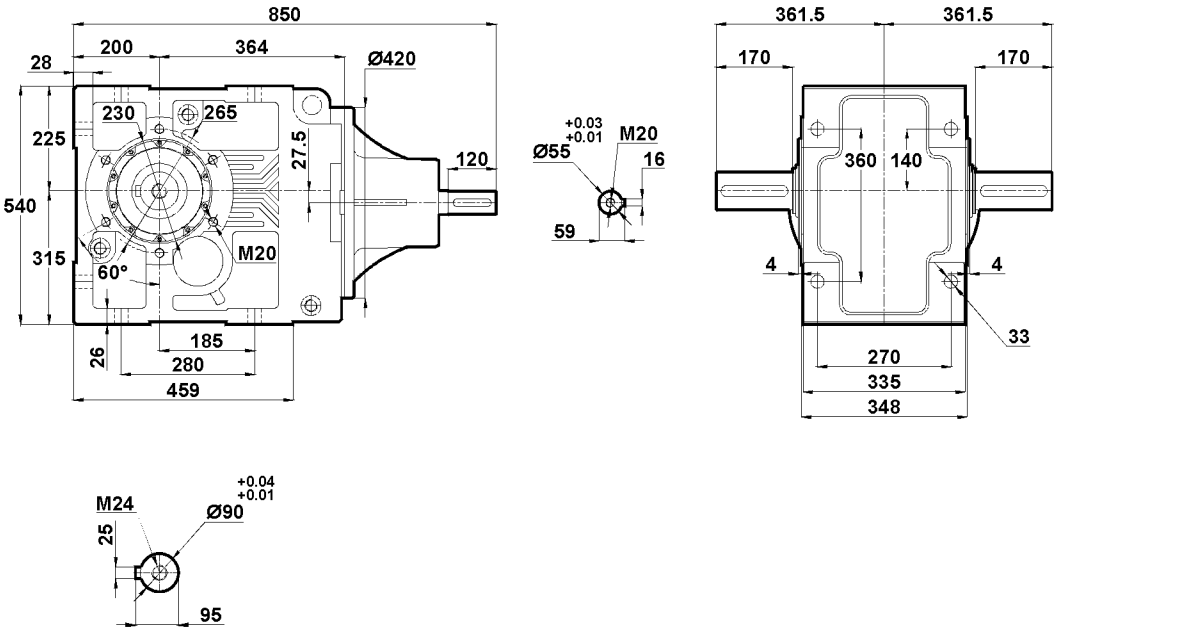
KT773.03



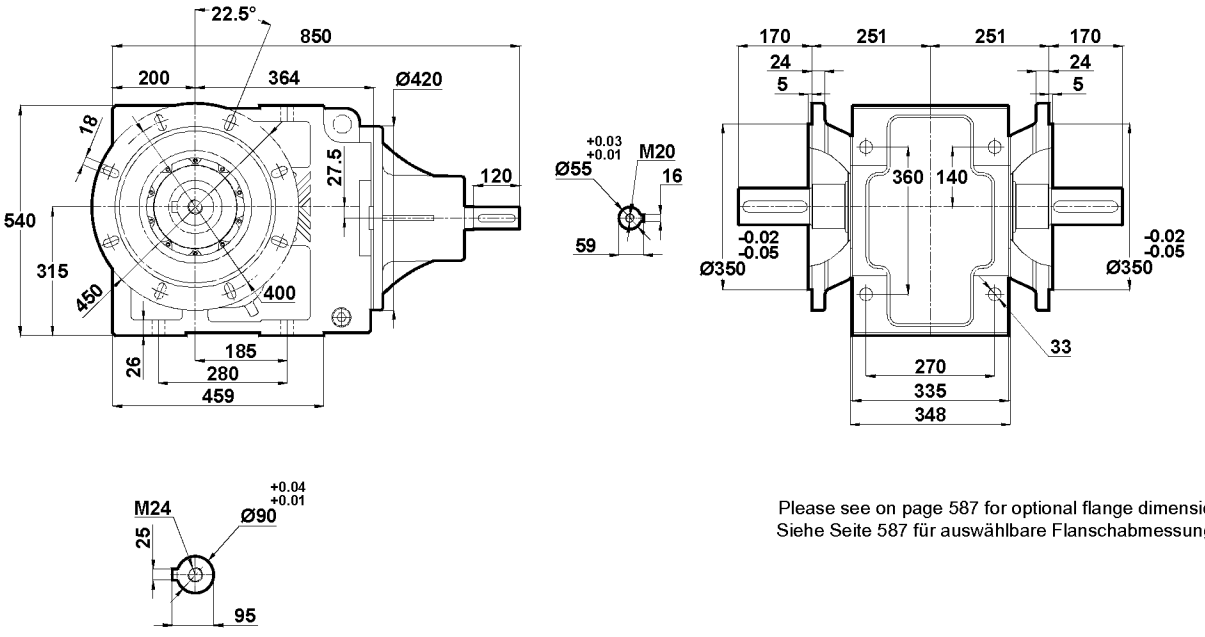
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT773.04



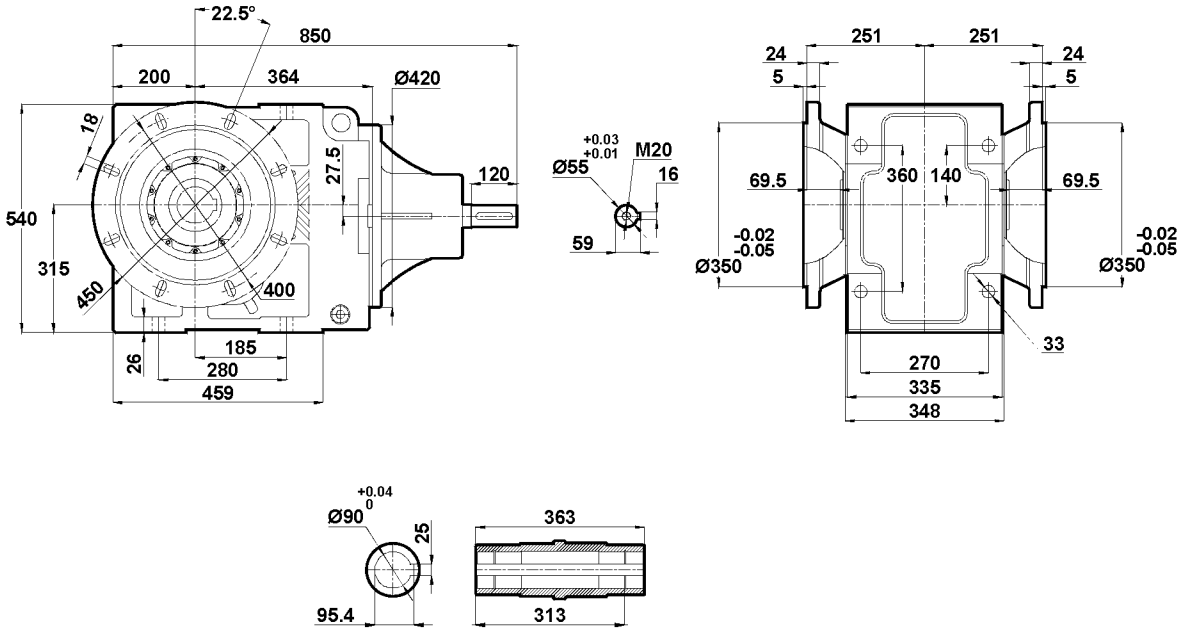
KT773.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

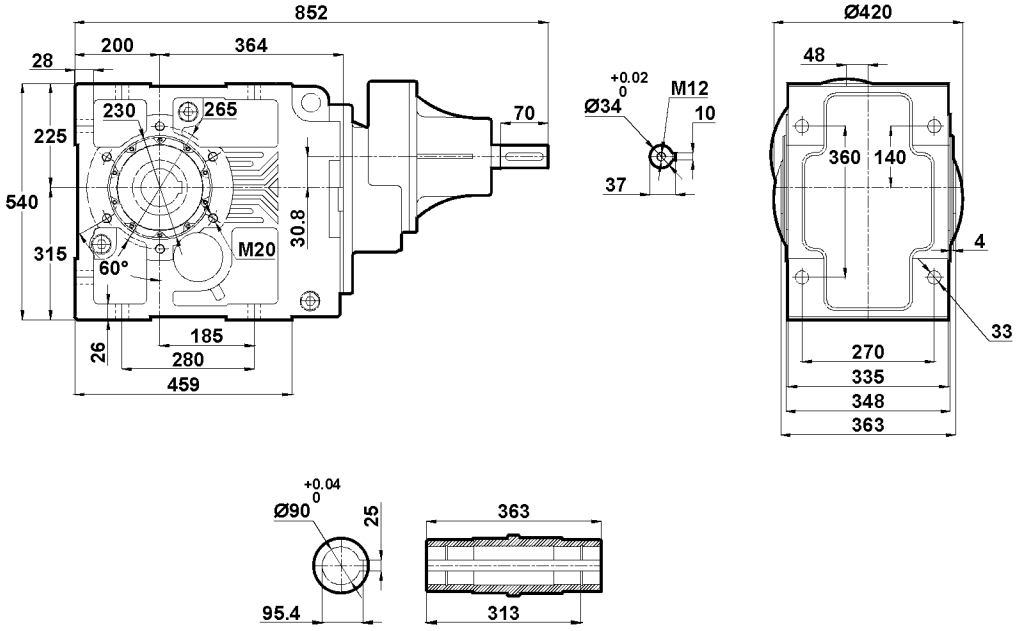
KT773.08



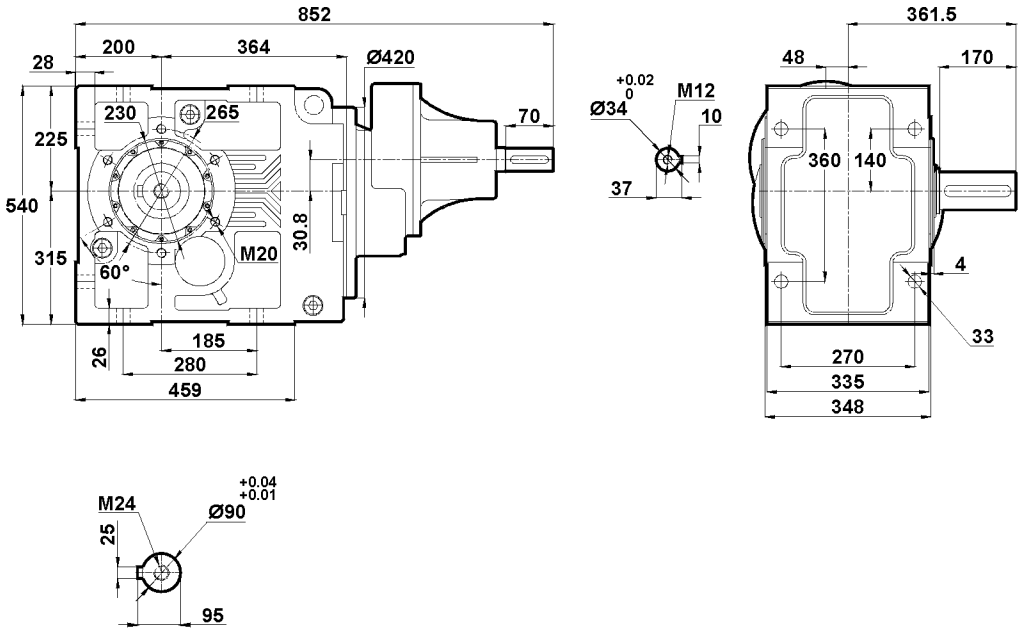
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT774.00

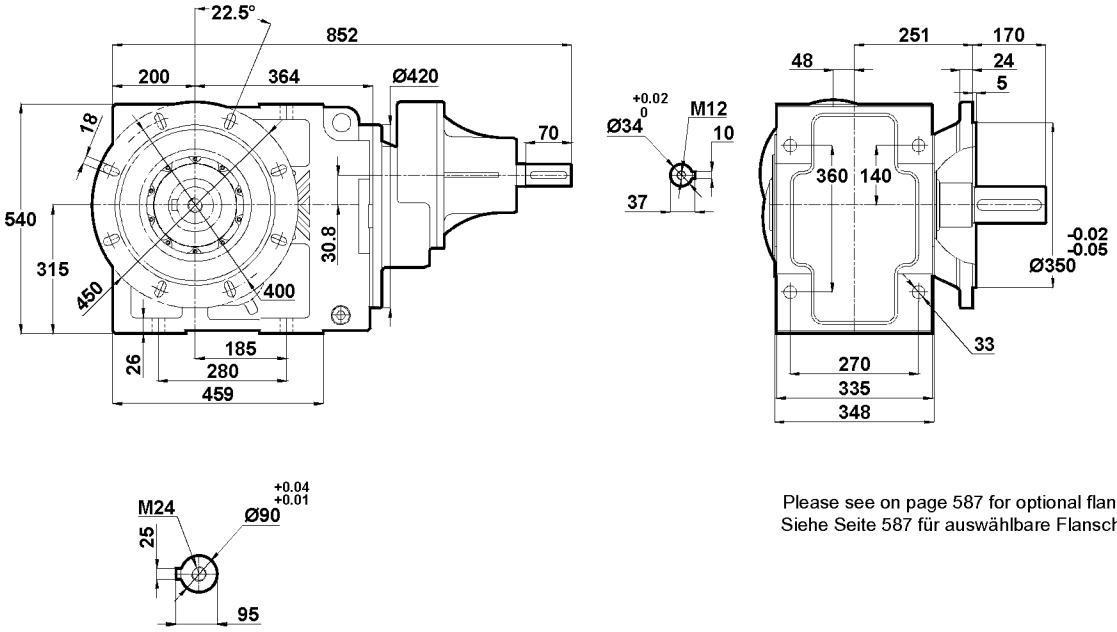


KT774.01



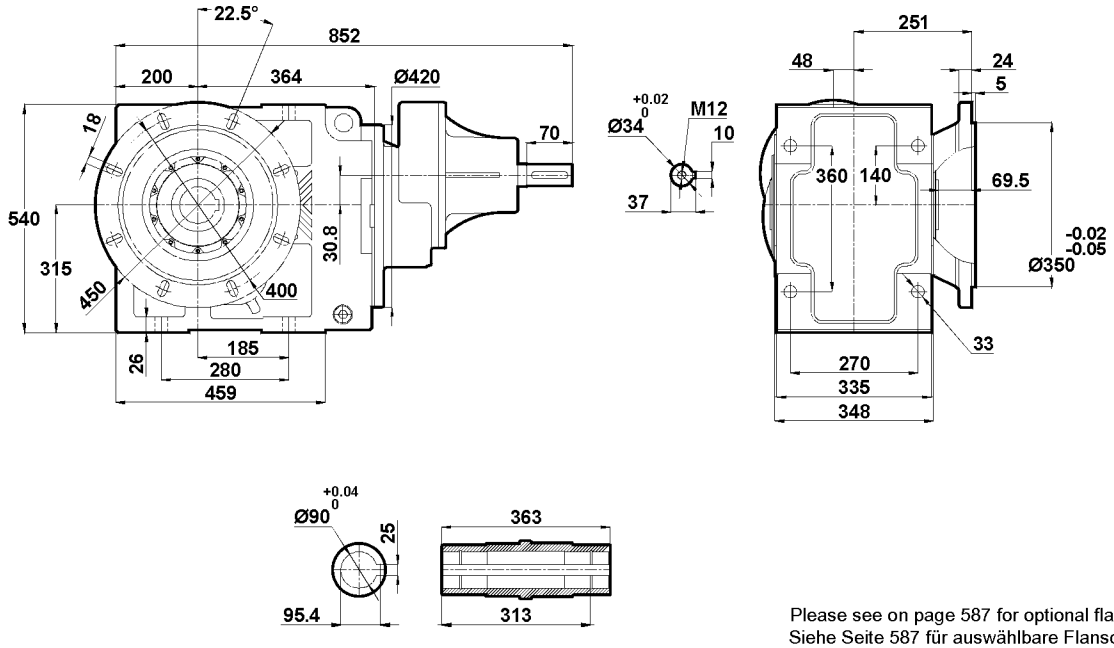
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT774.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

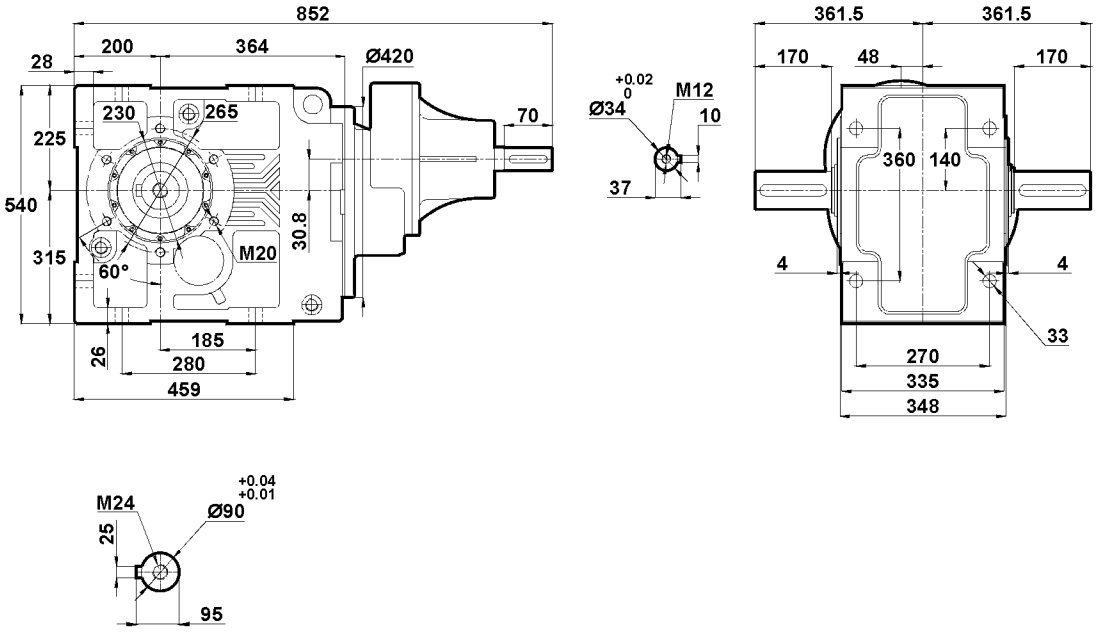
KT774.03



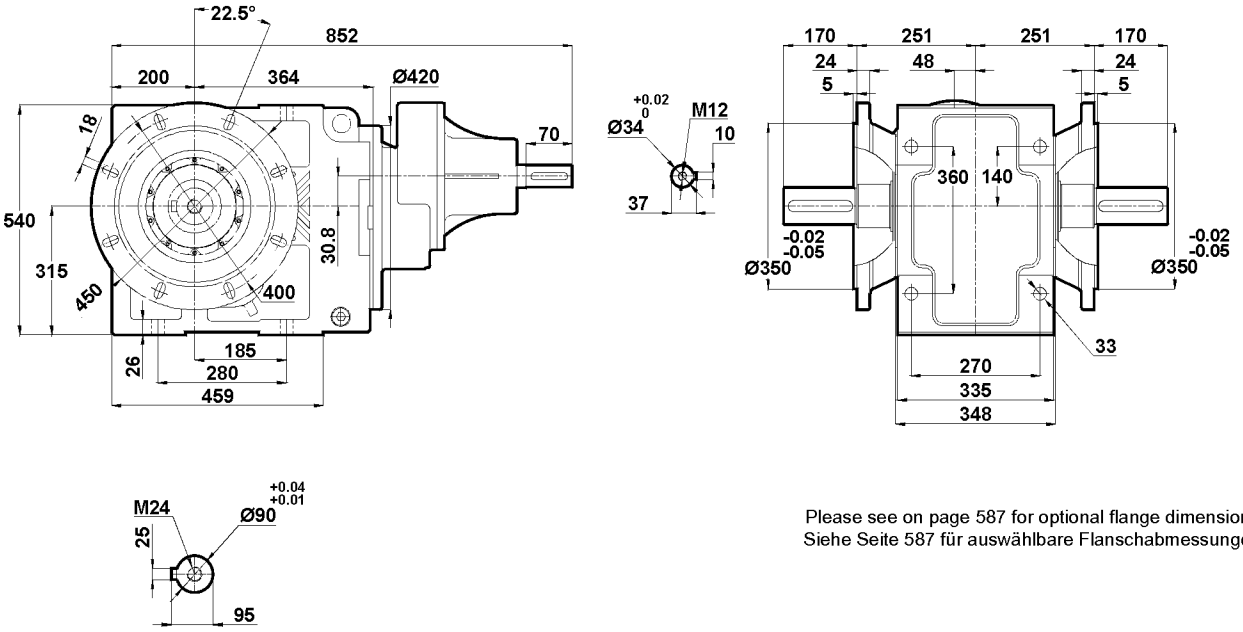
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT774.04



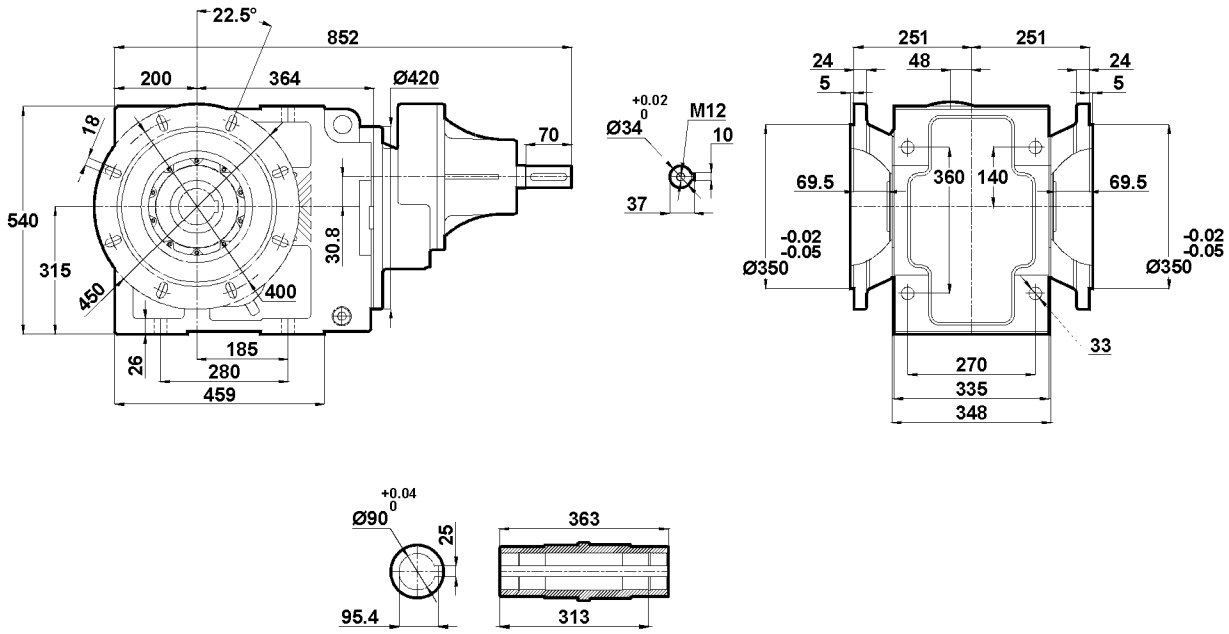
KT774.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

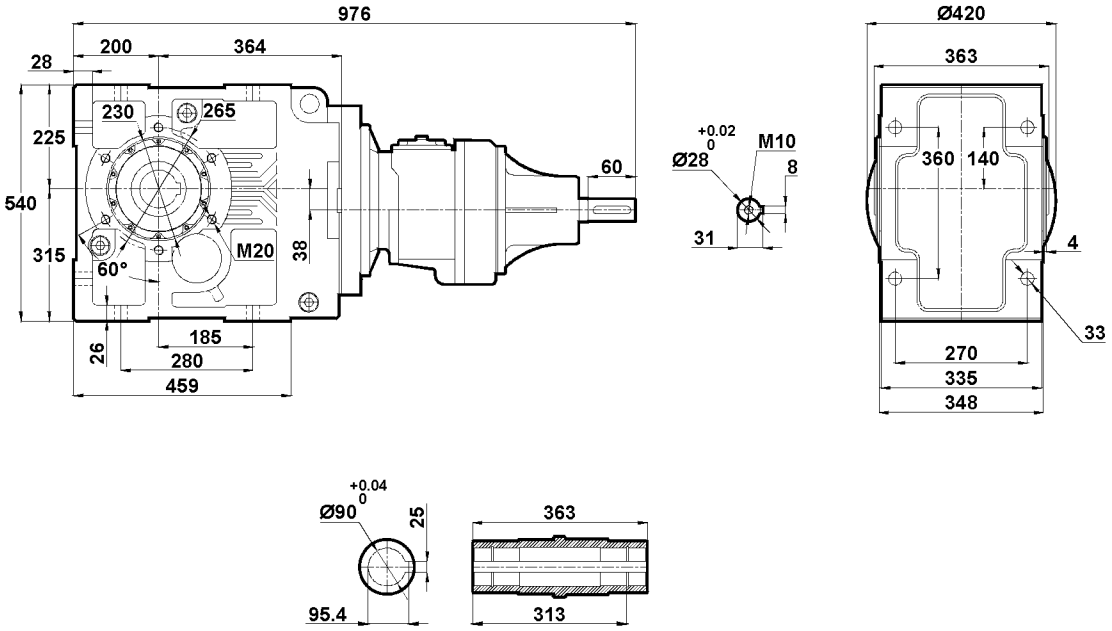
KT774.08



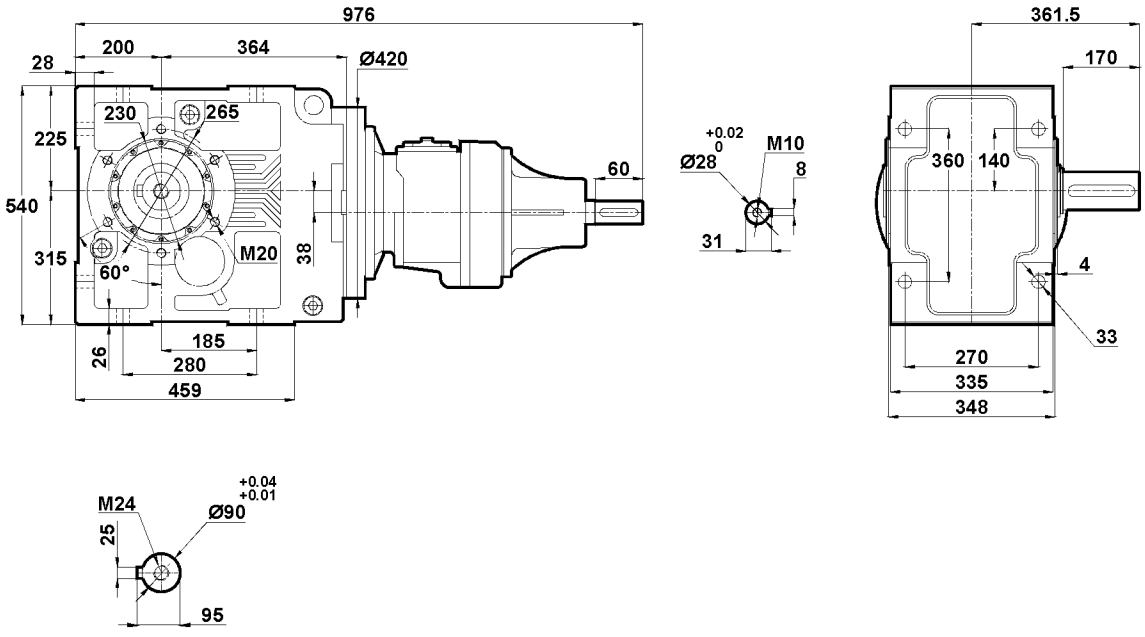
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT775.00
KT776.00

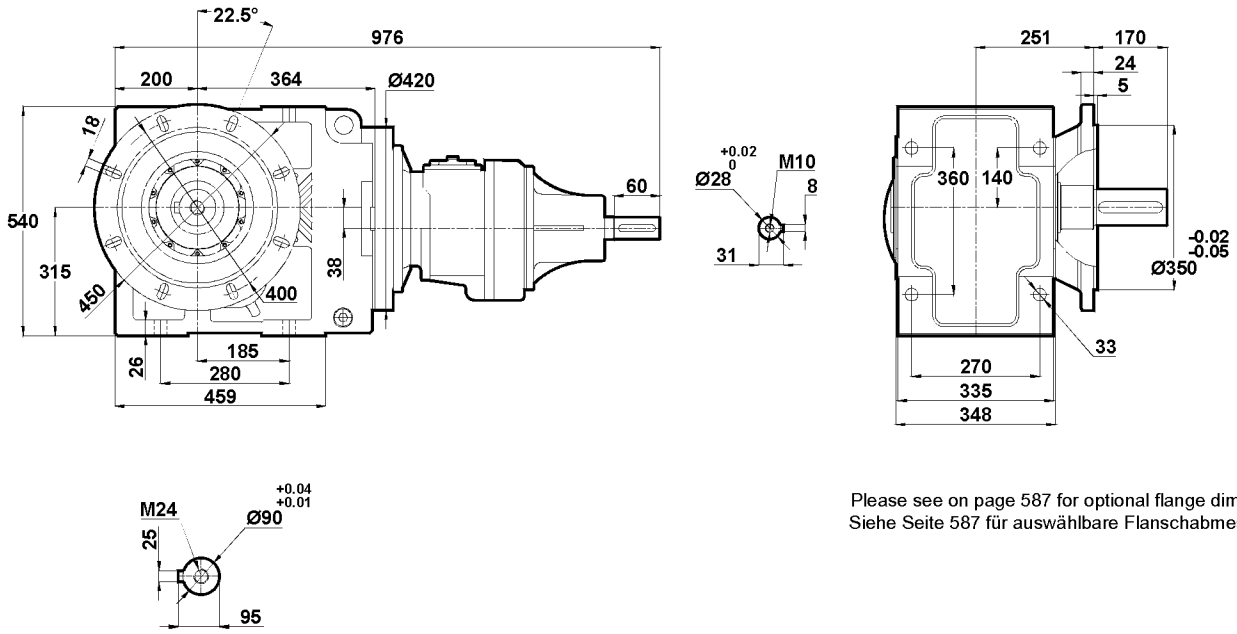


KT775.01
KT776.01



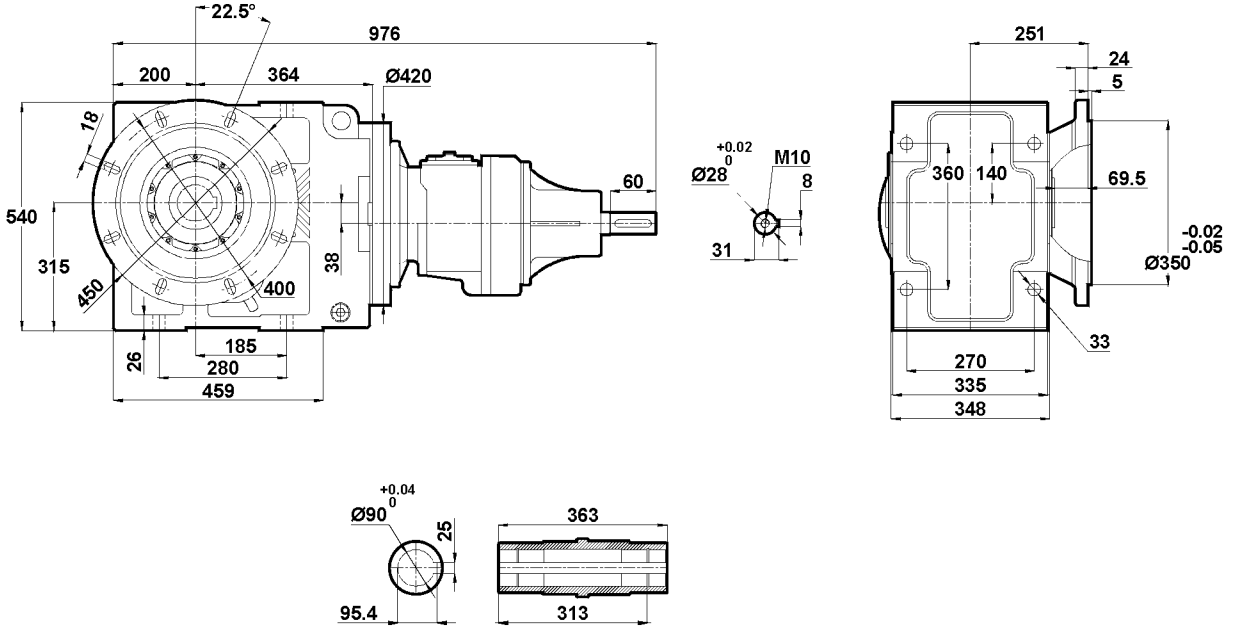
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT775.02
KT776.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

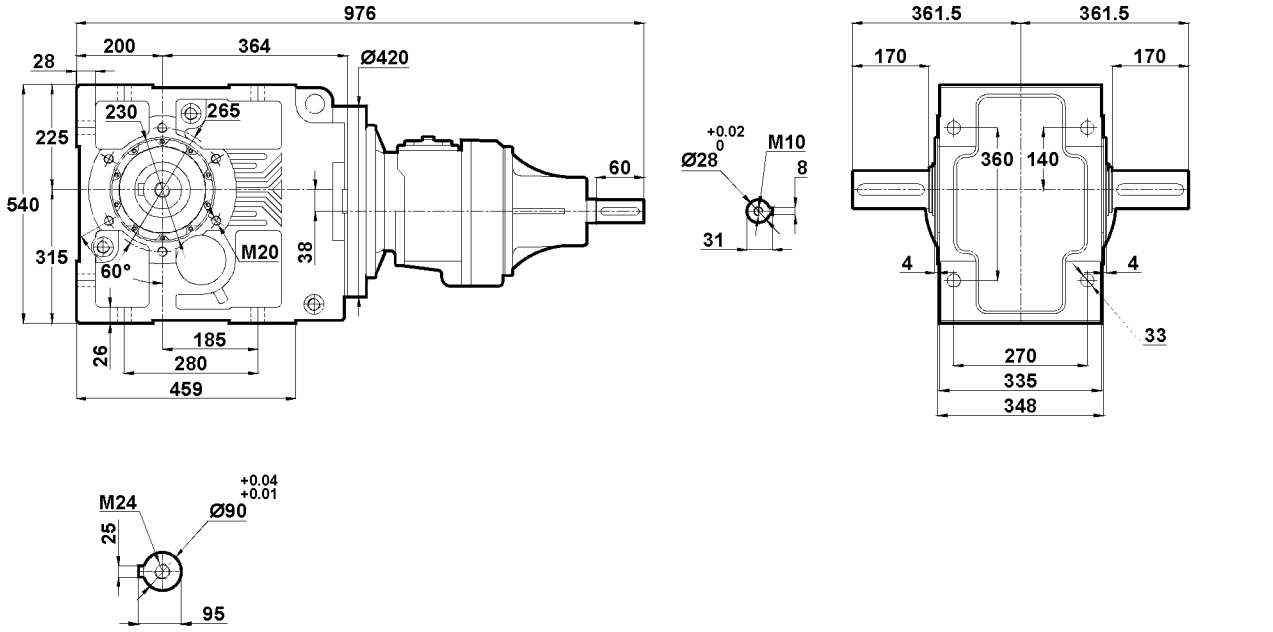
KT775.03
KT776.03



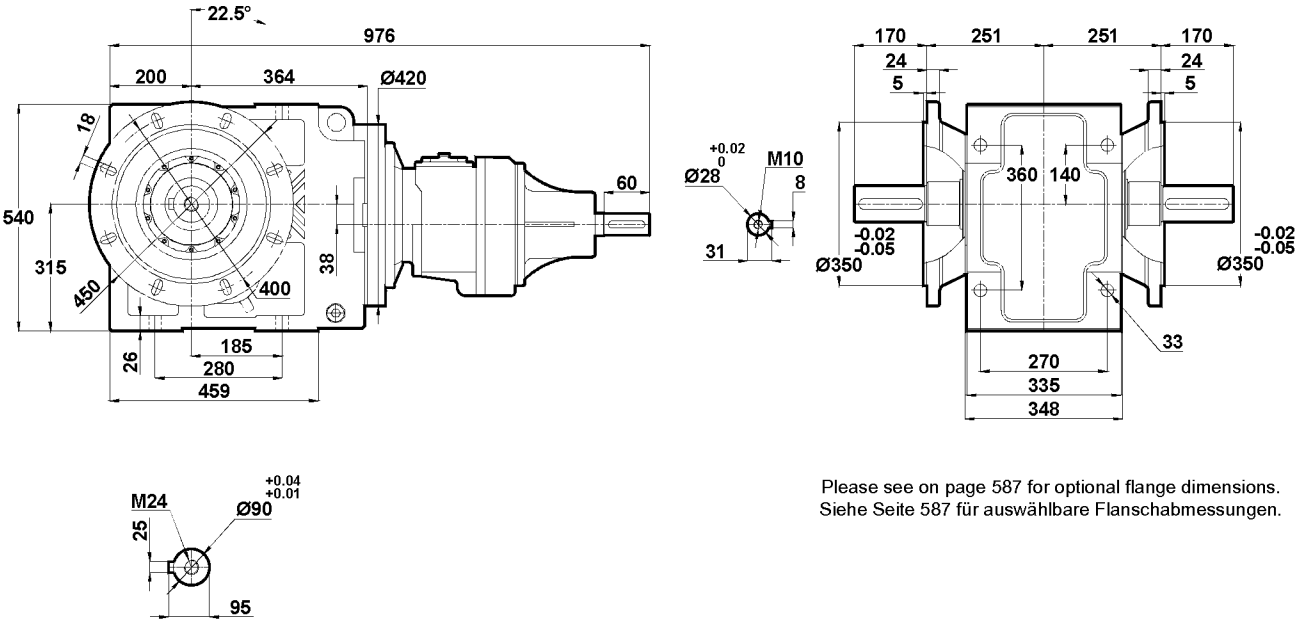
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT775.04
KT776.04



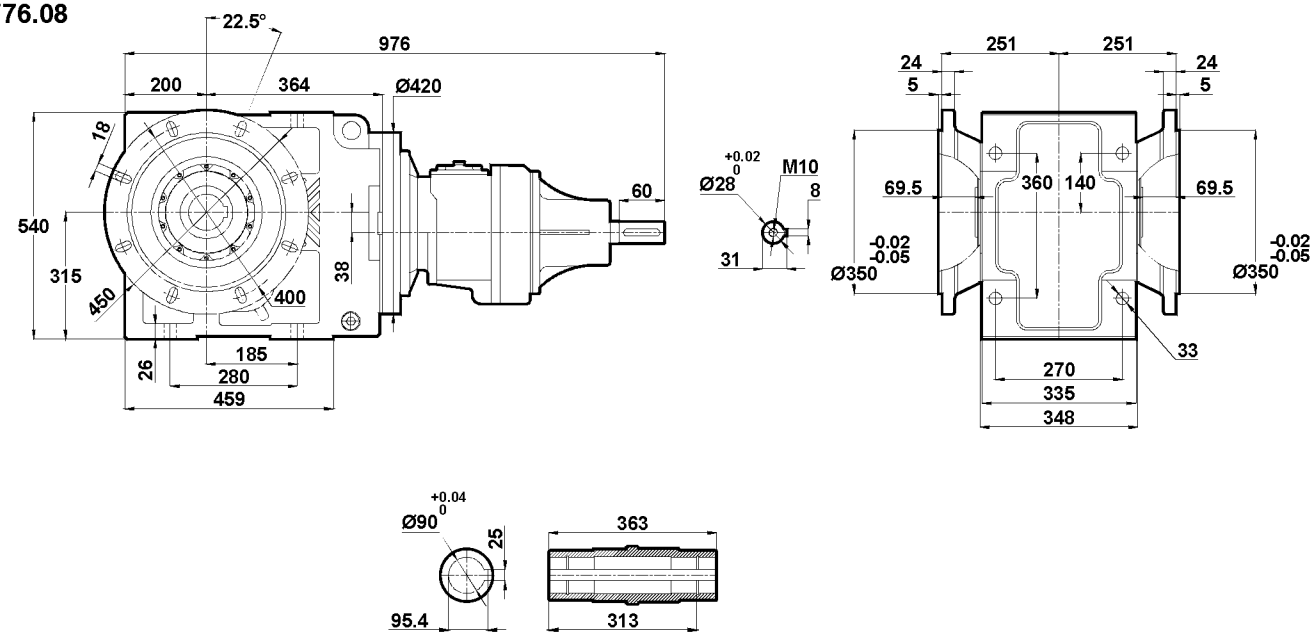
KT775.05
KT776.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

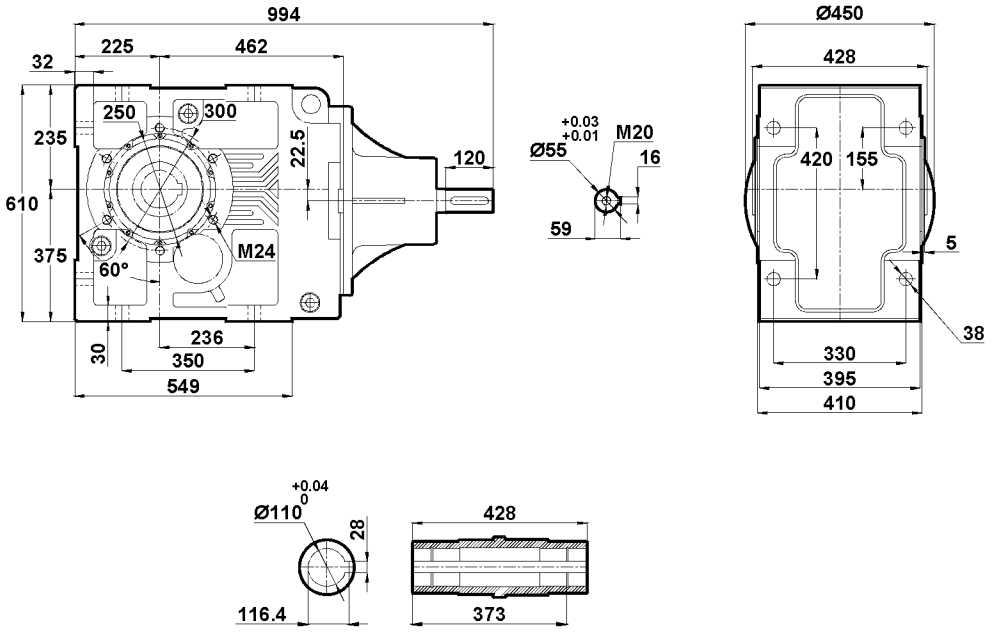
KT775.08
KT776.08



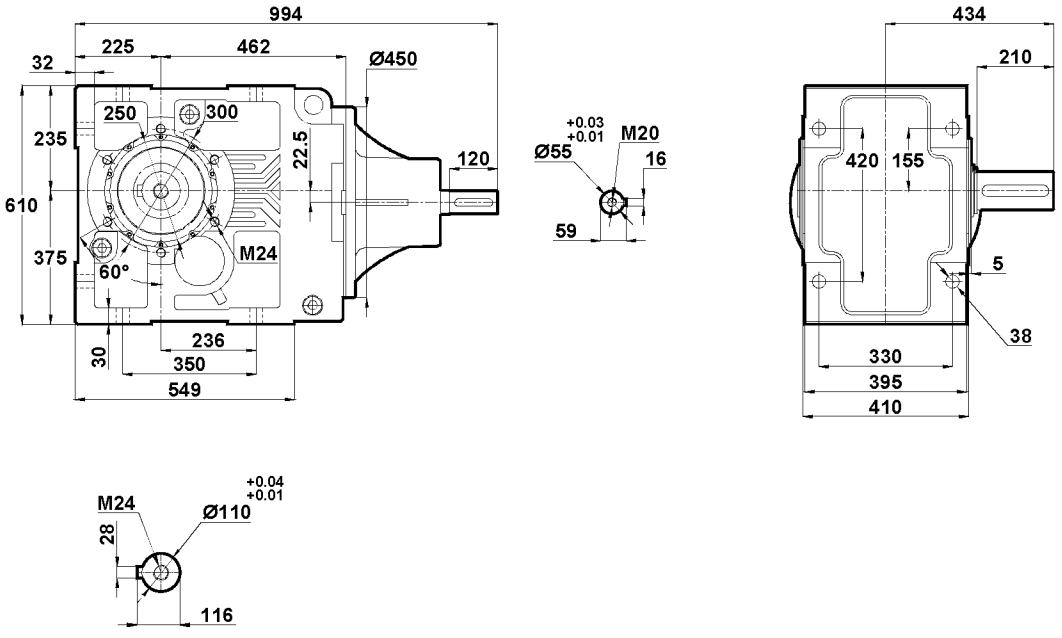
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT873.00

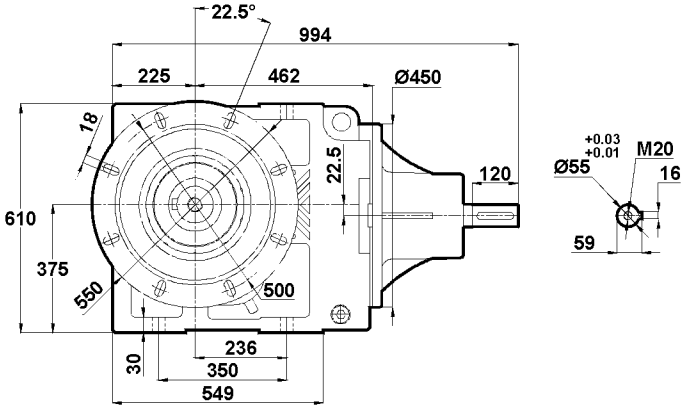


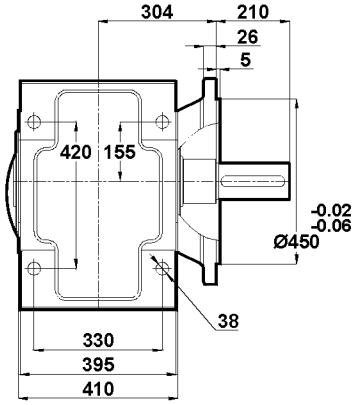
KT873.01

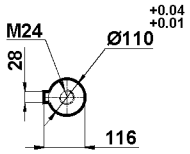


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT873.02

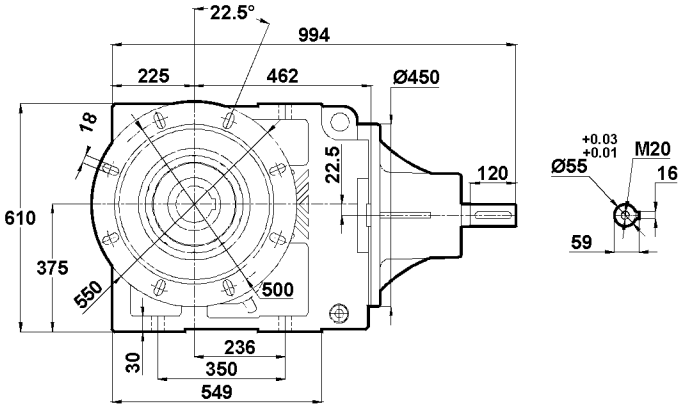


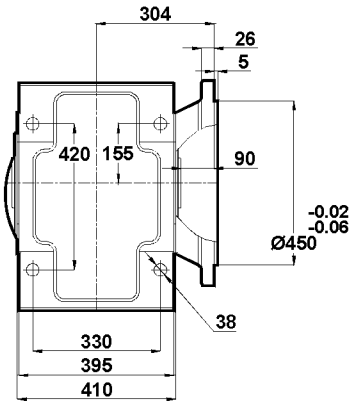


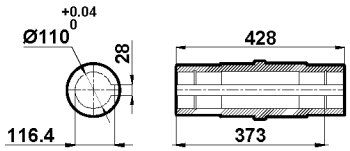


Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT873.03



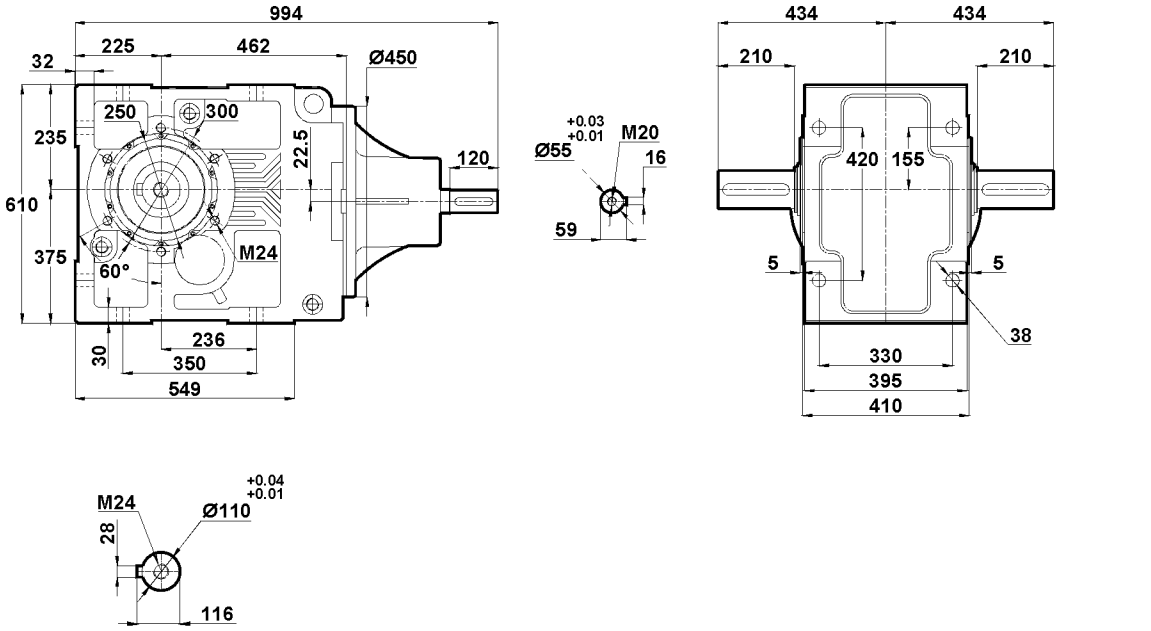




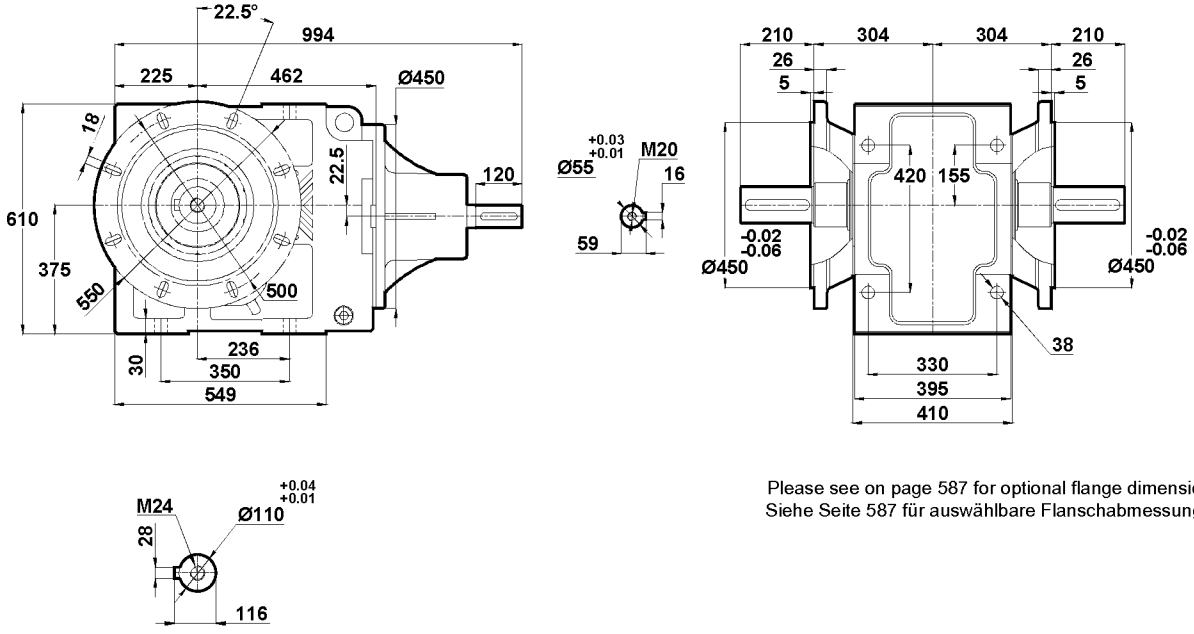
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT873.04



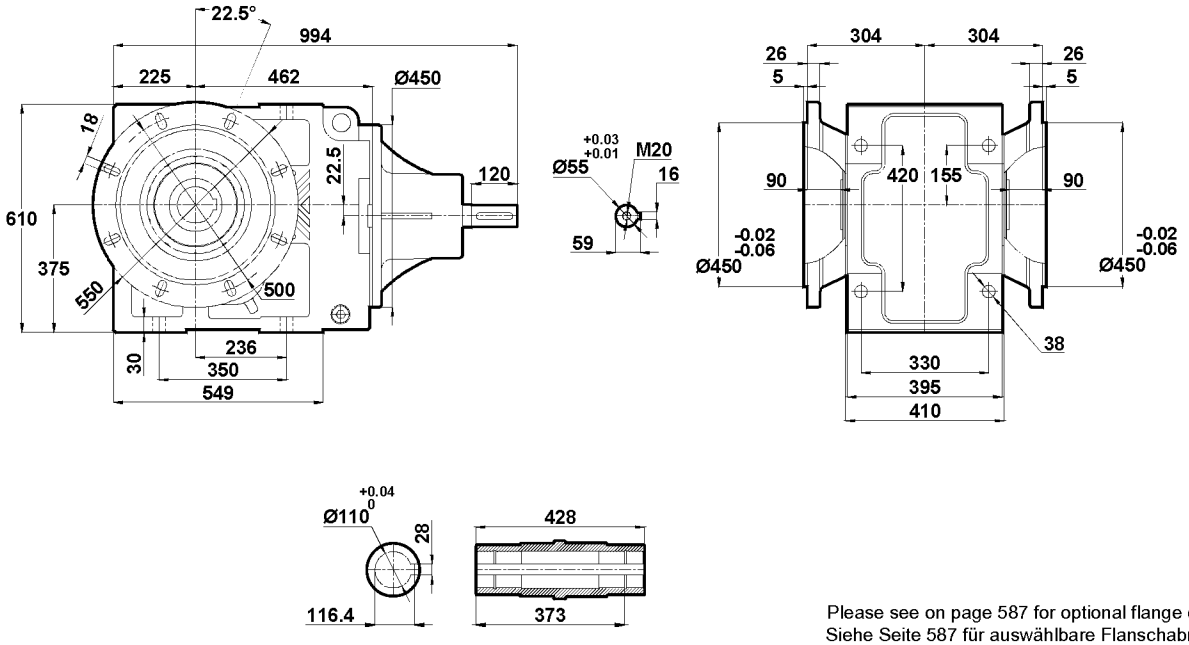
KT873.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

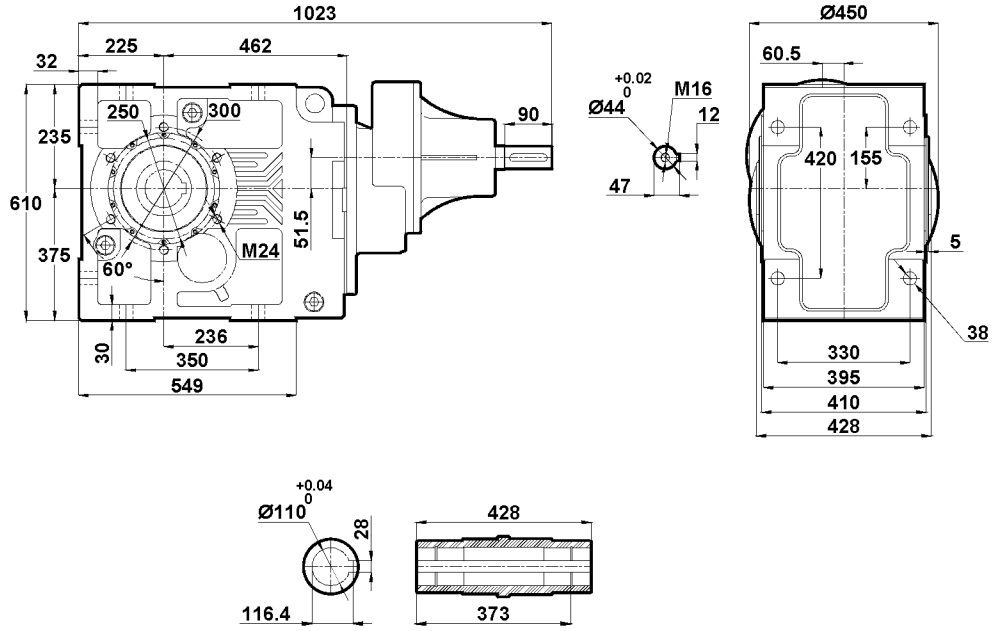
KT873.08



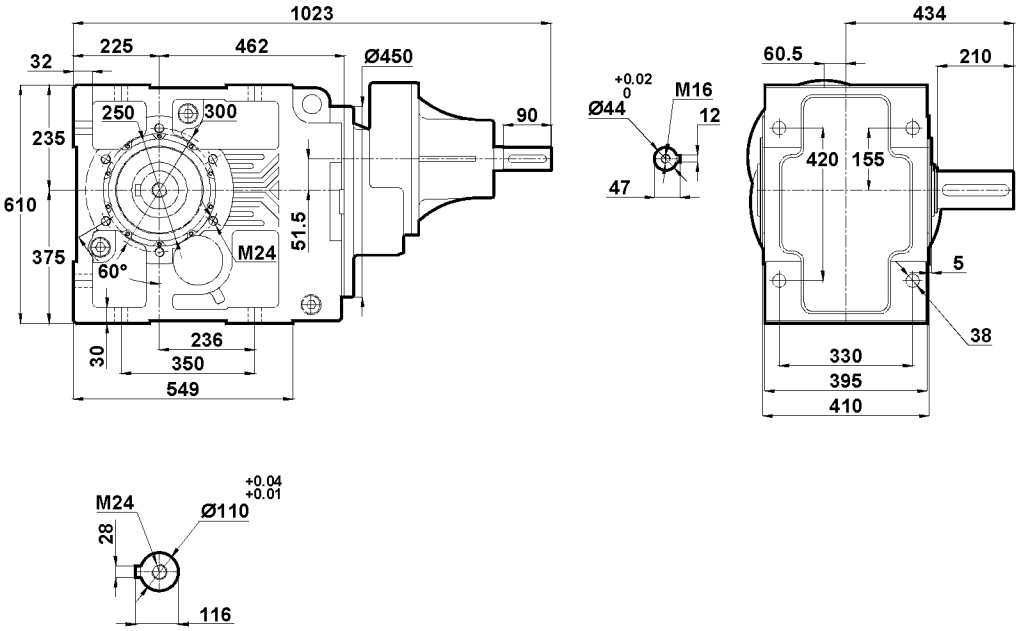
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT874.00

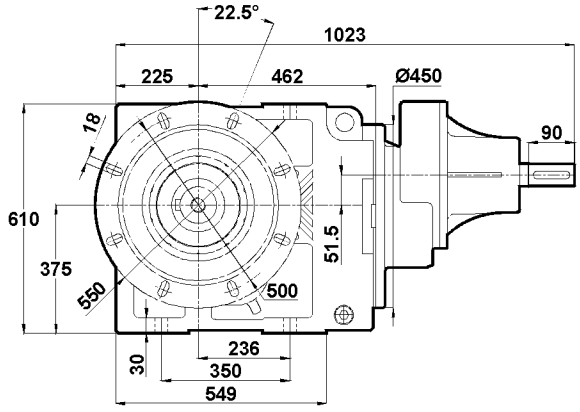


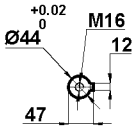
KT874.01

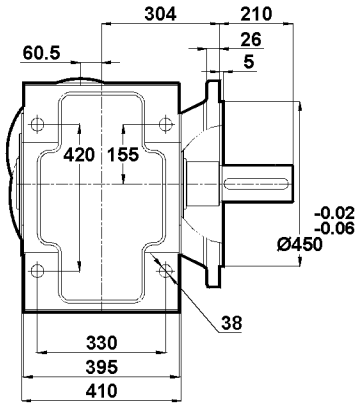


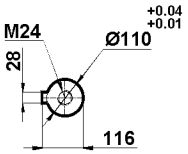
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT874.02



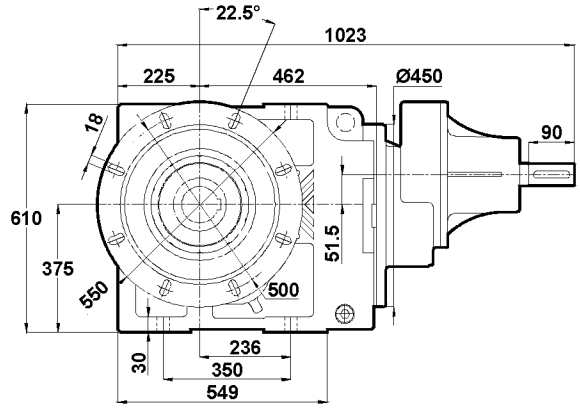


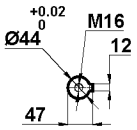


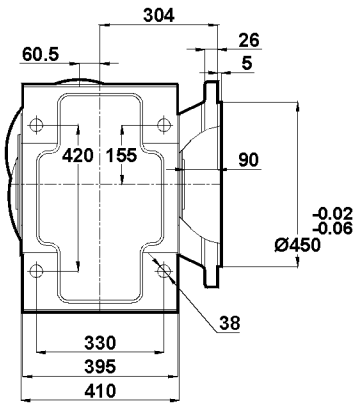


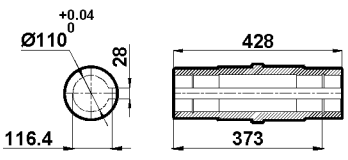
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

KT874.03





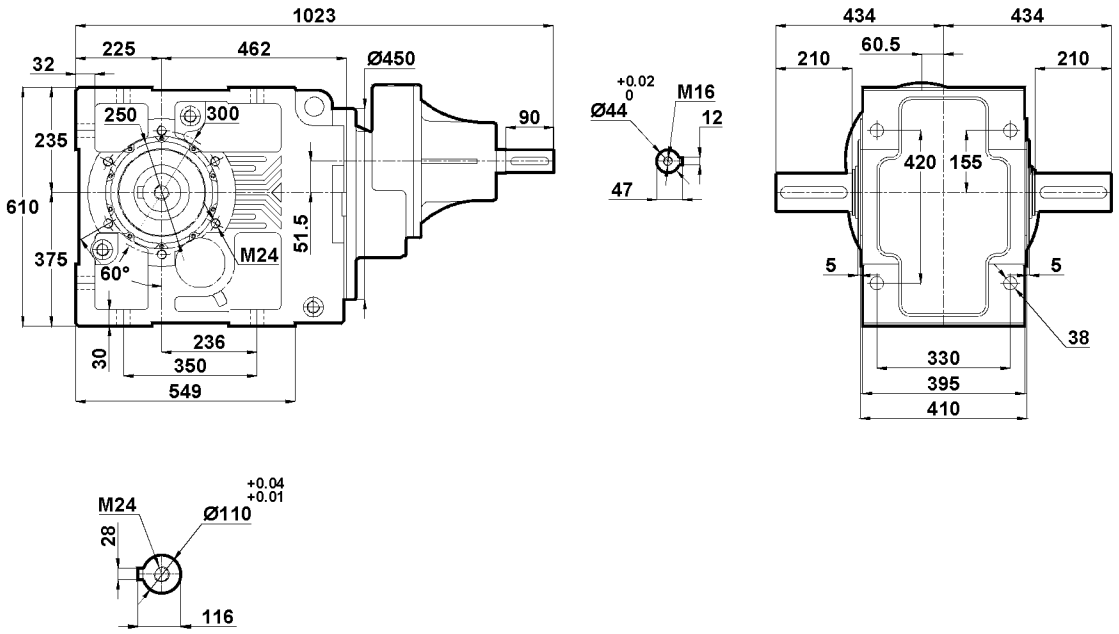




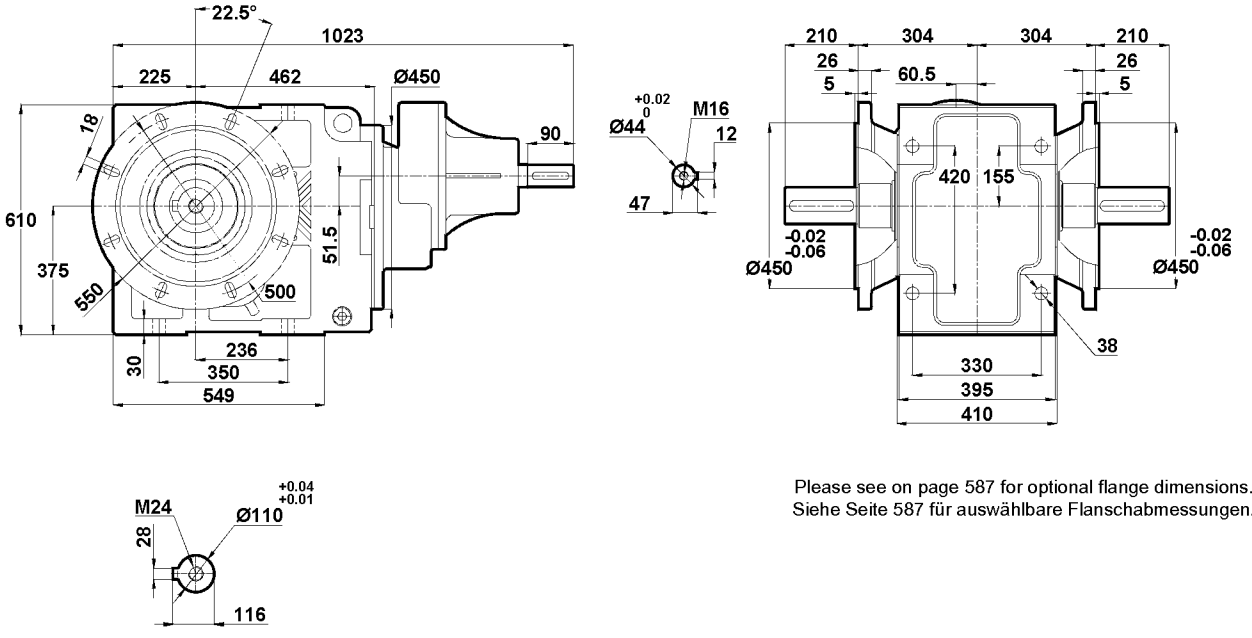
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT874.04



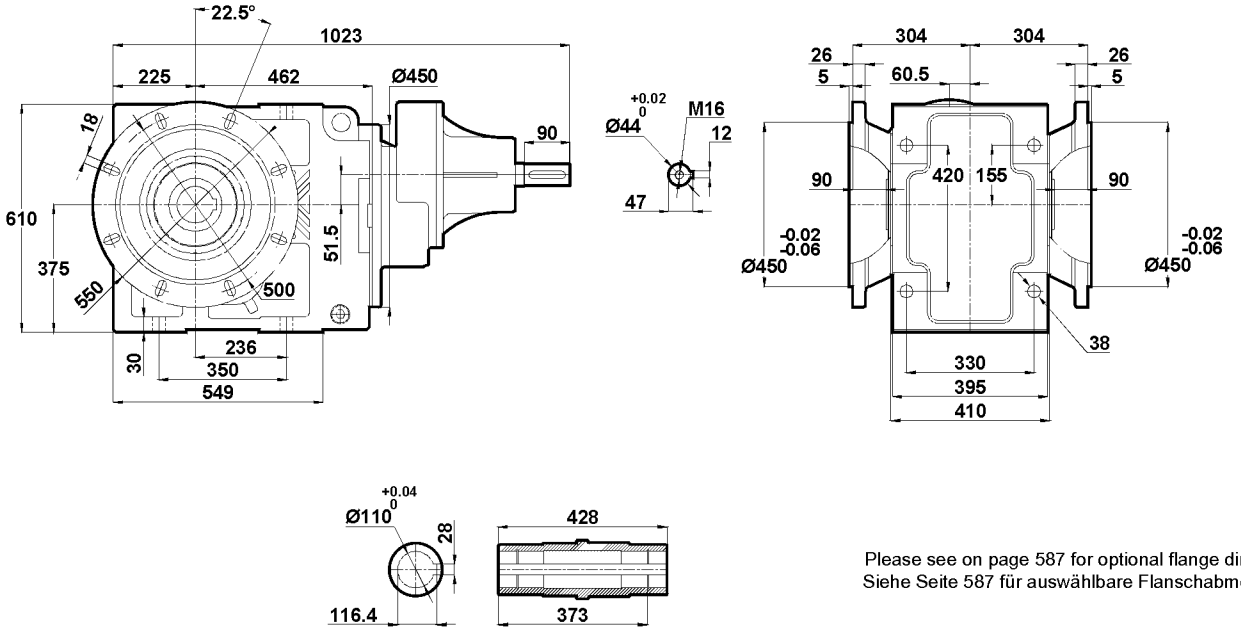
KT874.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

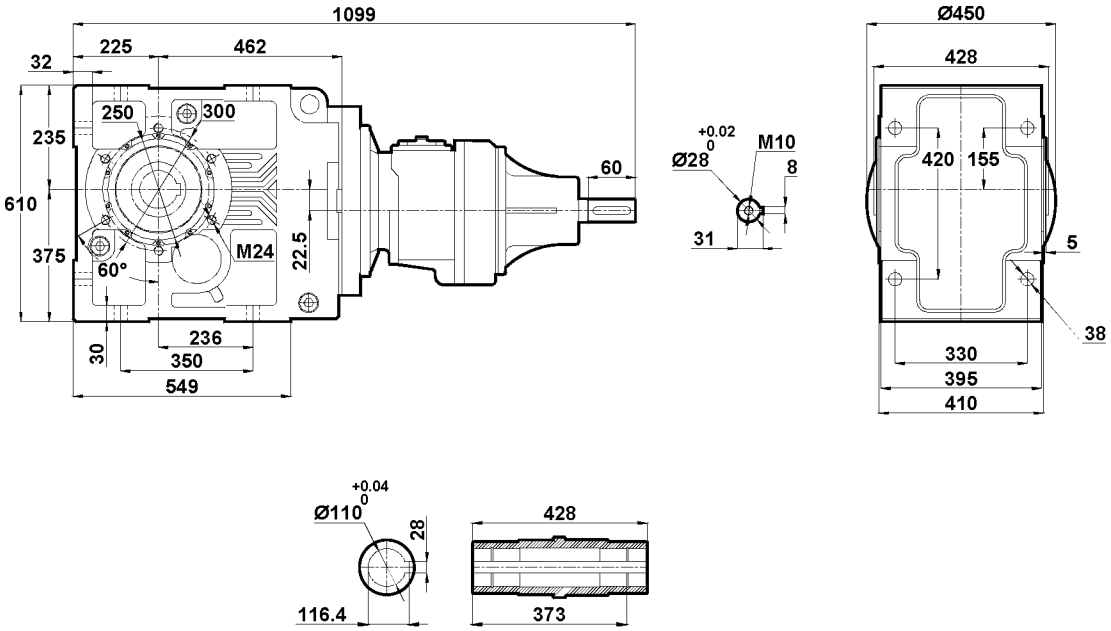
KT874.08



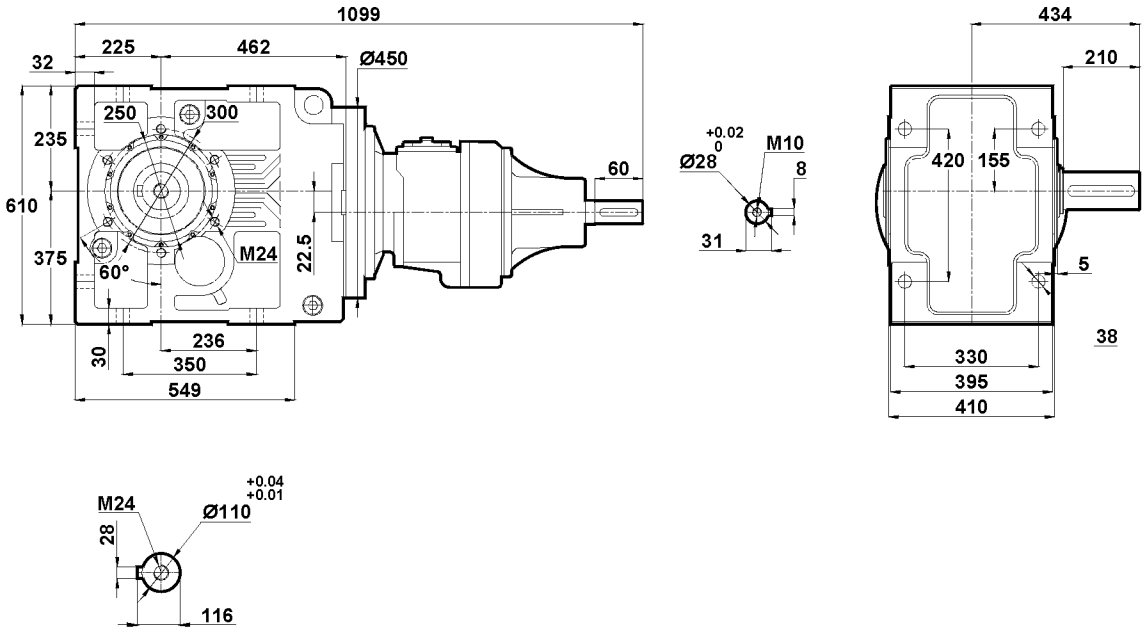
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT875.00
KT876.00

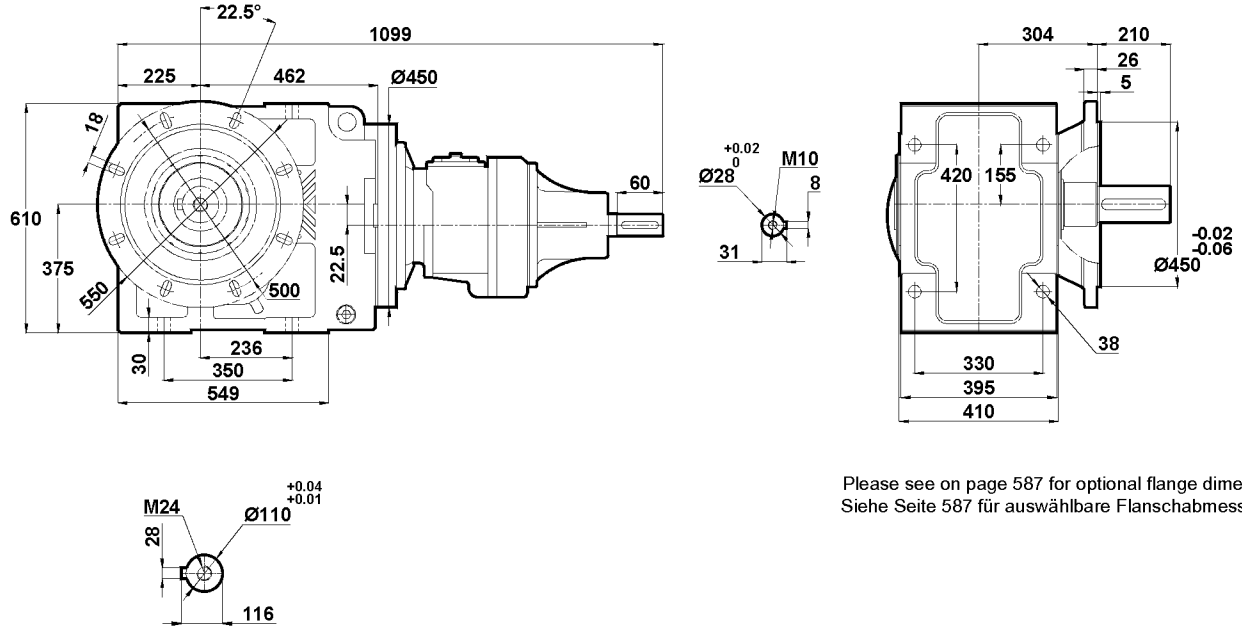


KT875.01
KT876.01



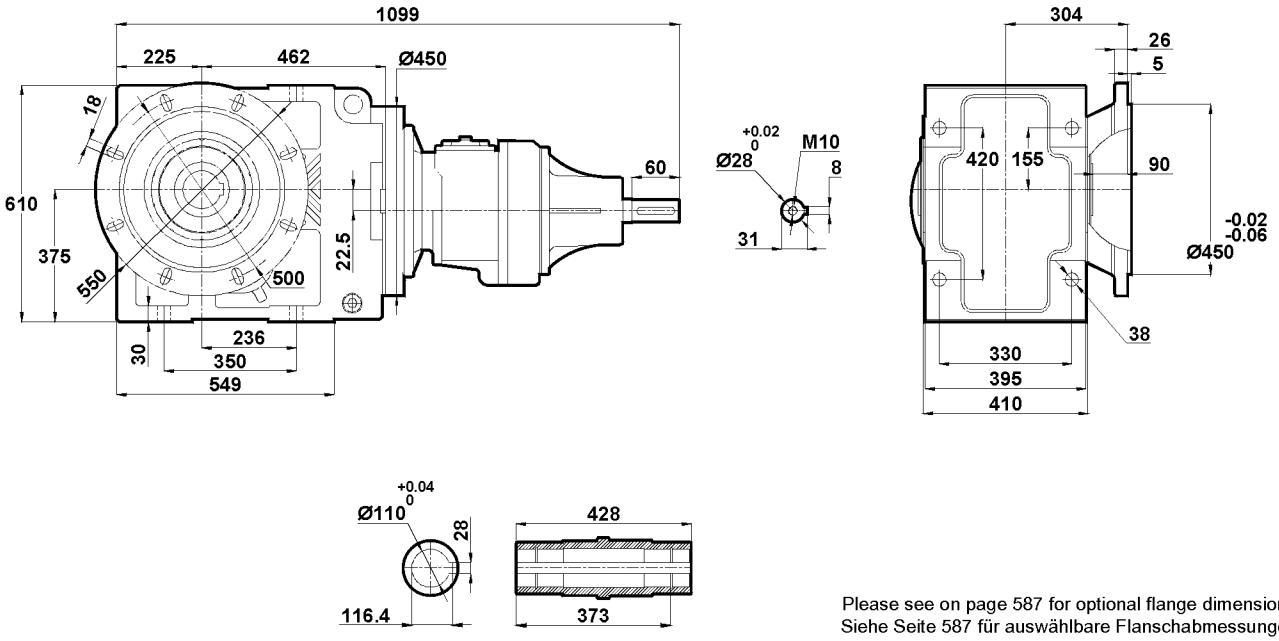
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT875.02
KT876.02



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

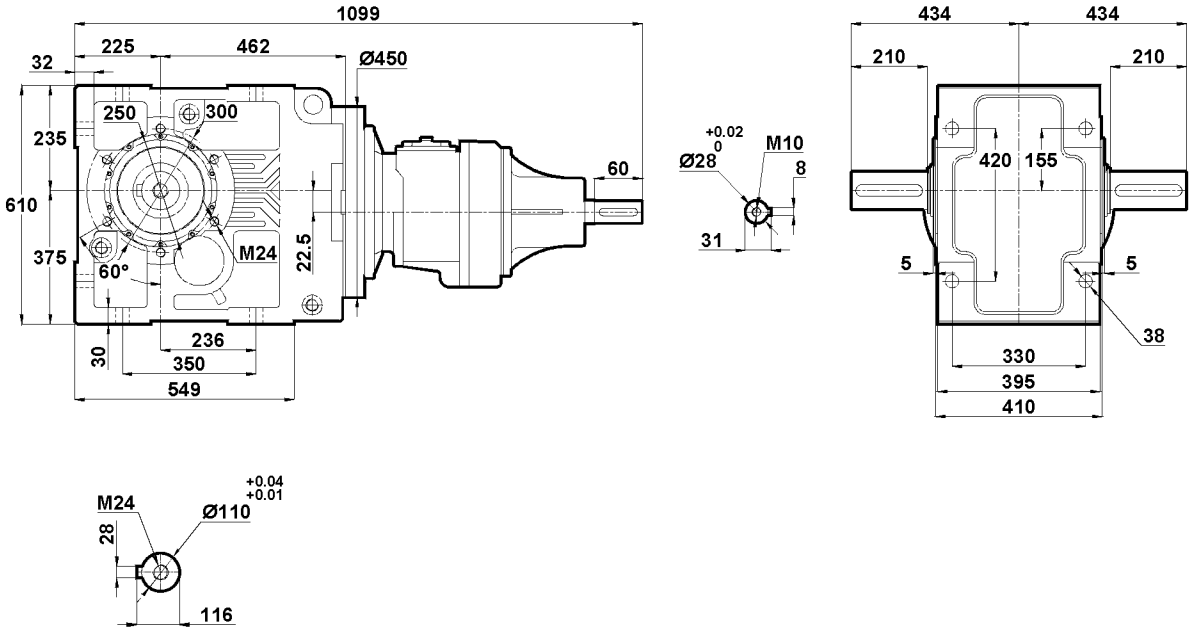
KT875.03
KT876.03



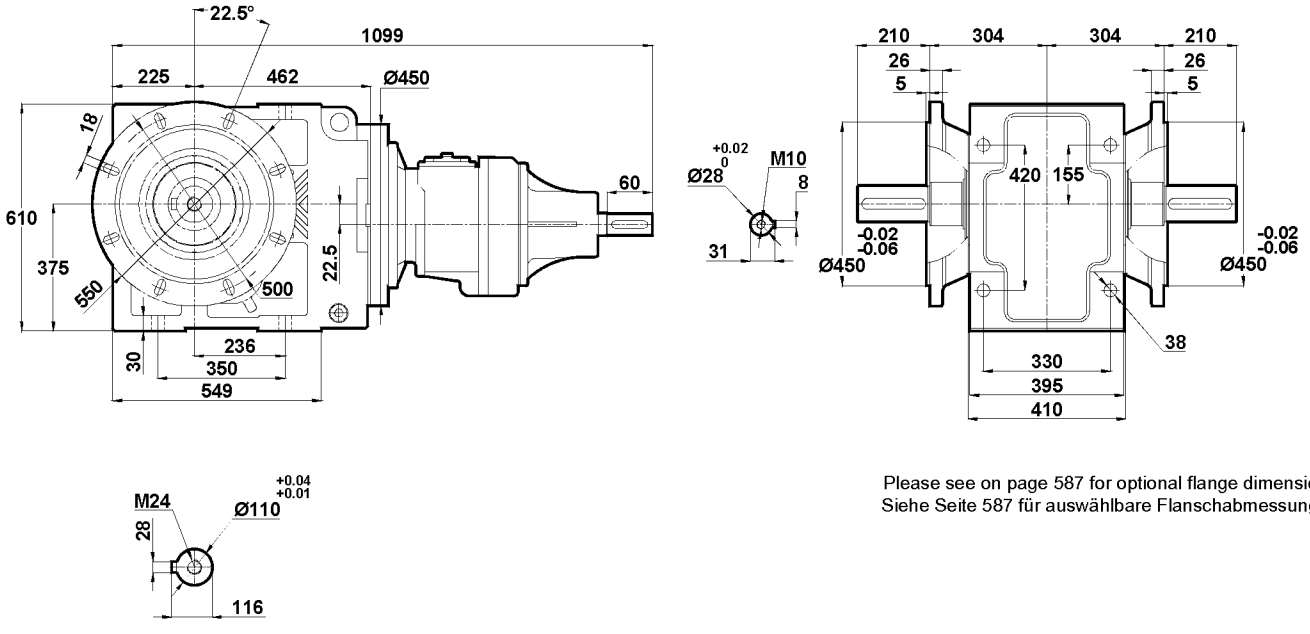
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT875.04
KT876.04



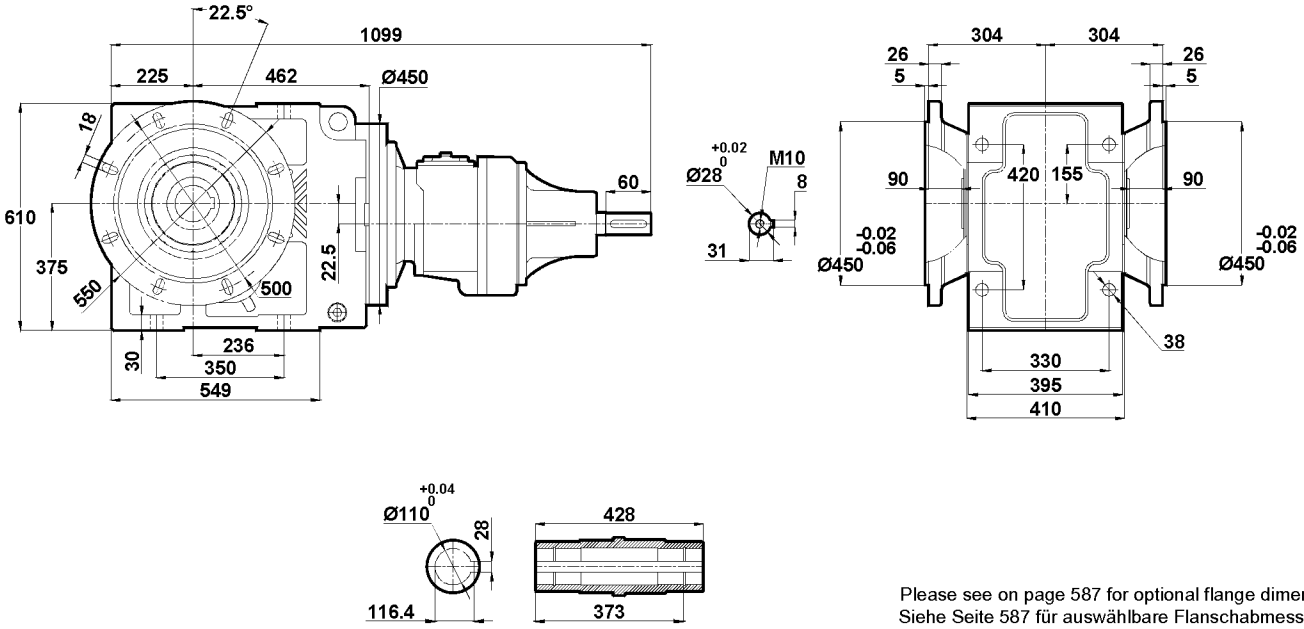
KT875.05
KT876.05



Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

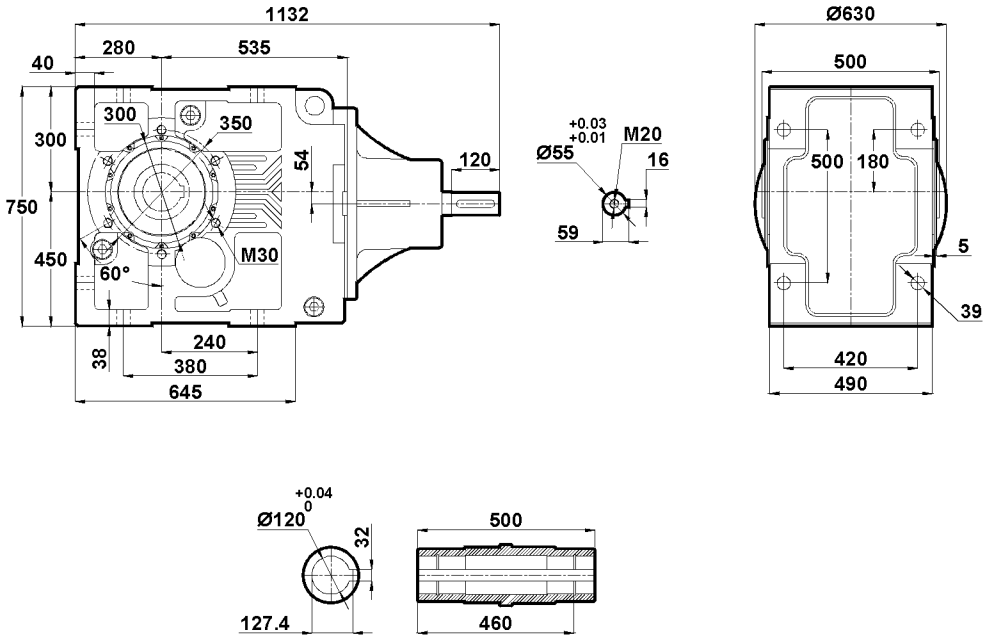
KT875.08
KT876.08



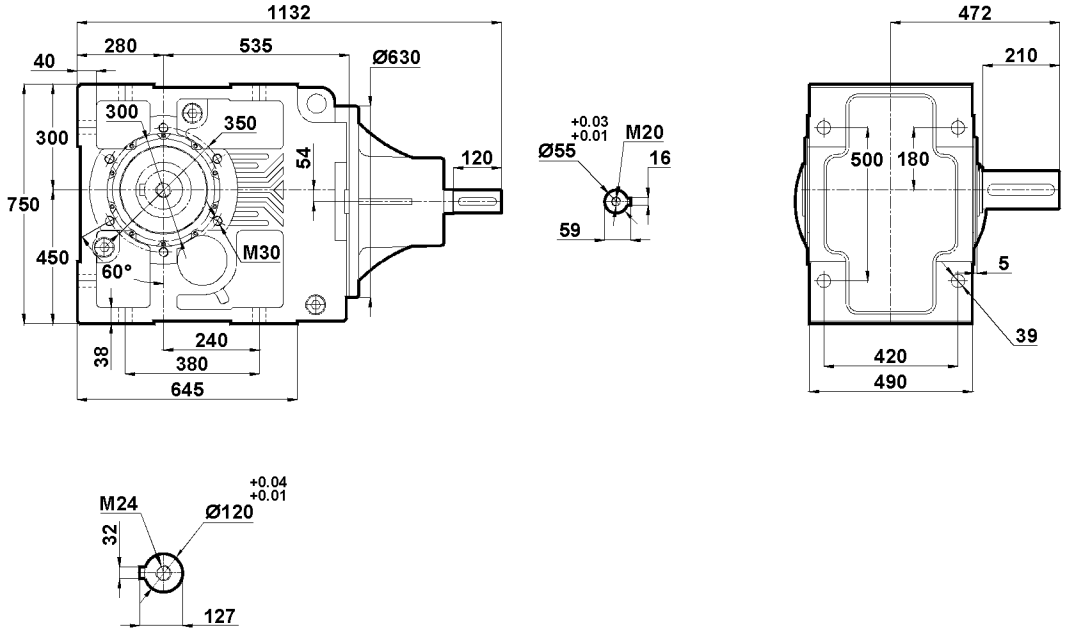
Please see on page 587 for optional flange dimensions.
Siehe Seite 587 für auswählbare Flanschabmessungen.

Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT973.00

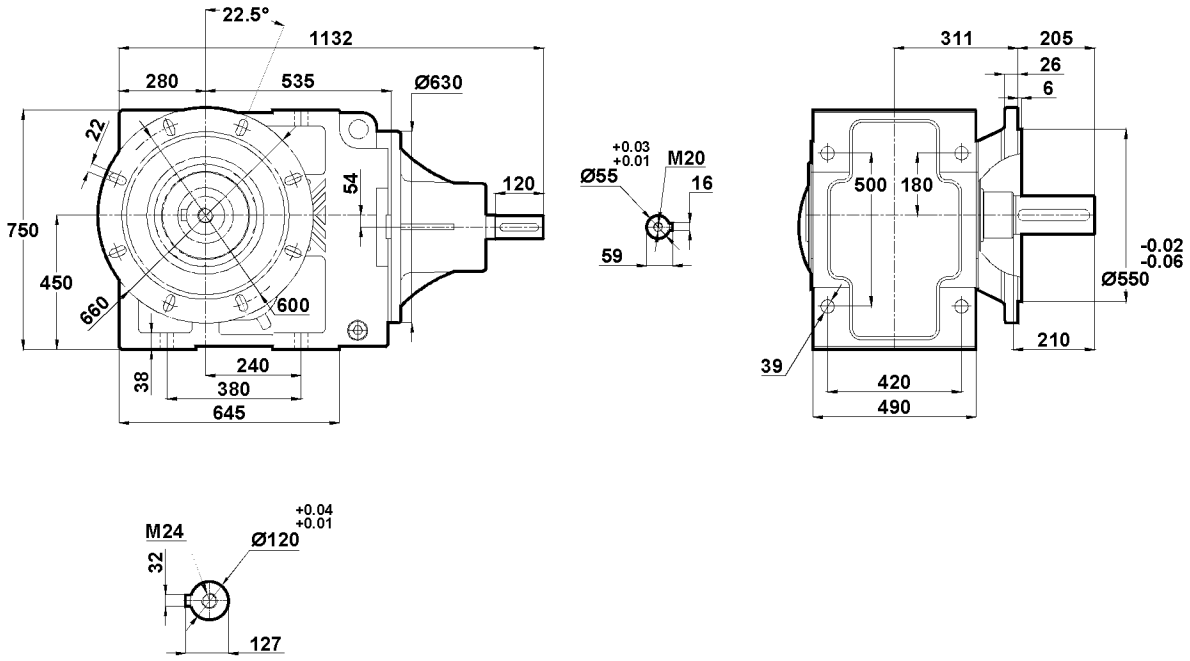


KT973.01

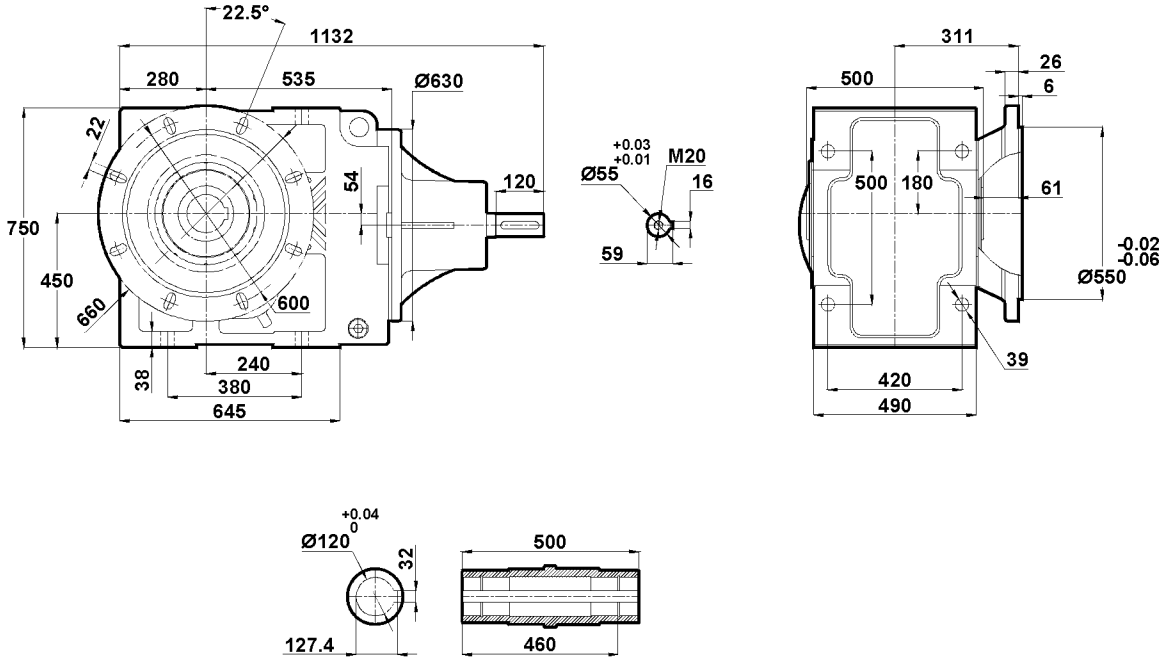


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT973.02

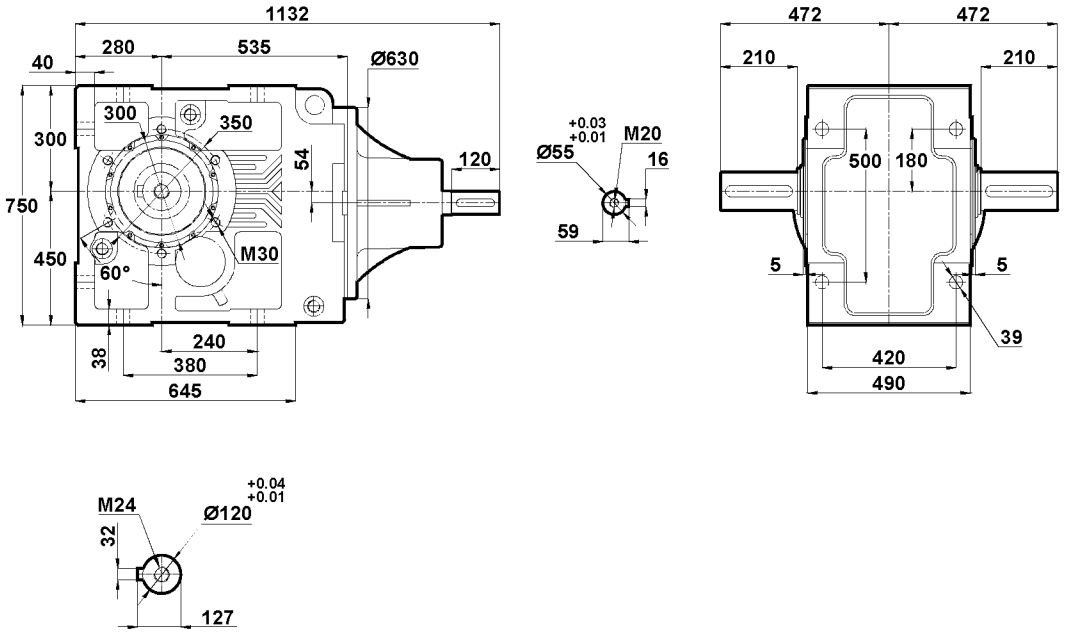


KT973.03

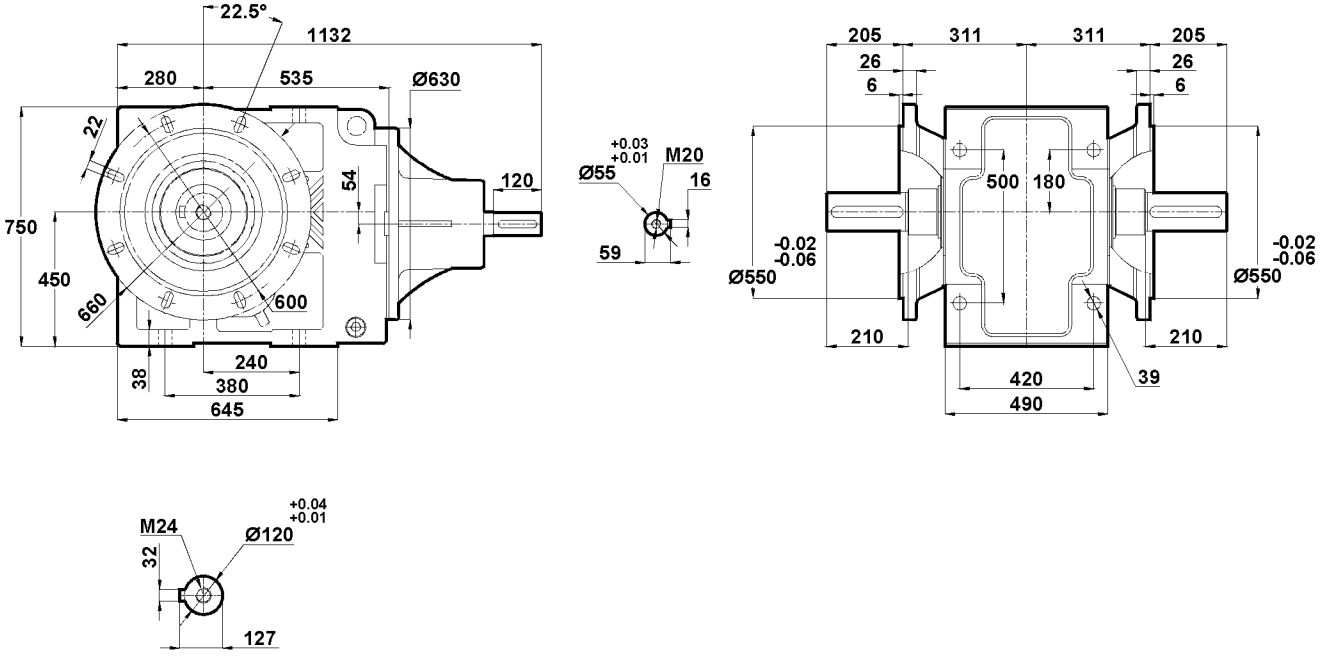


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT973.04

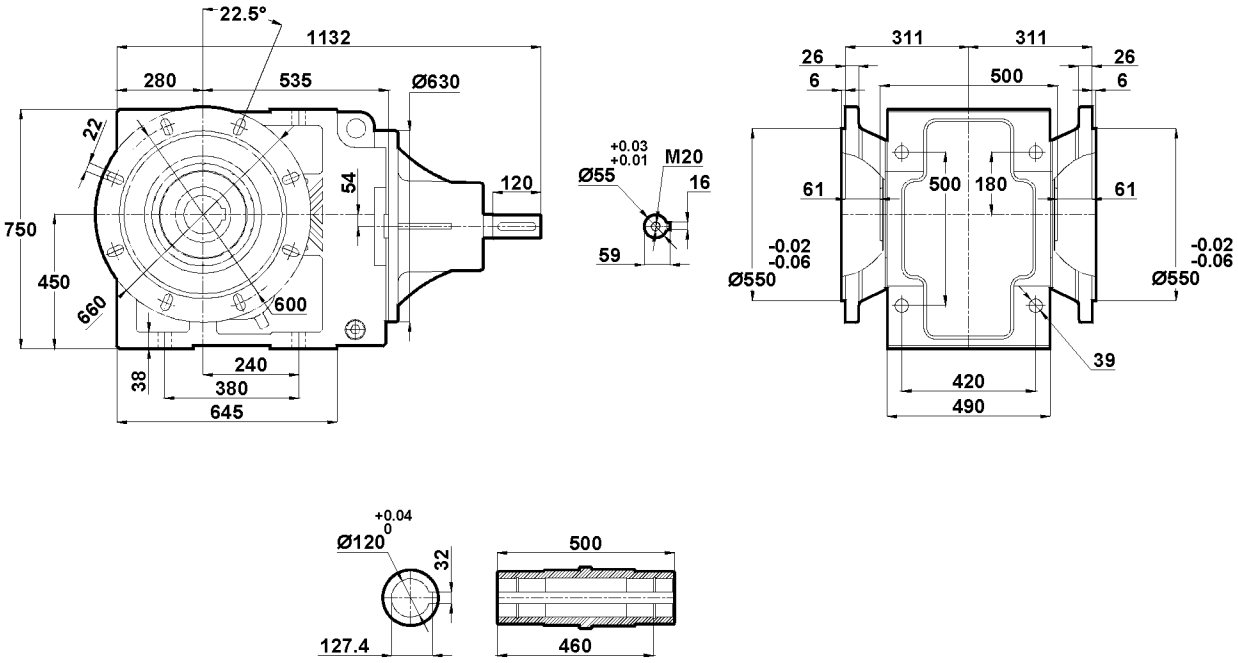


KT973.05



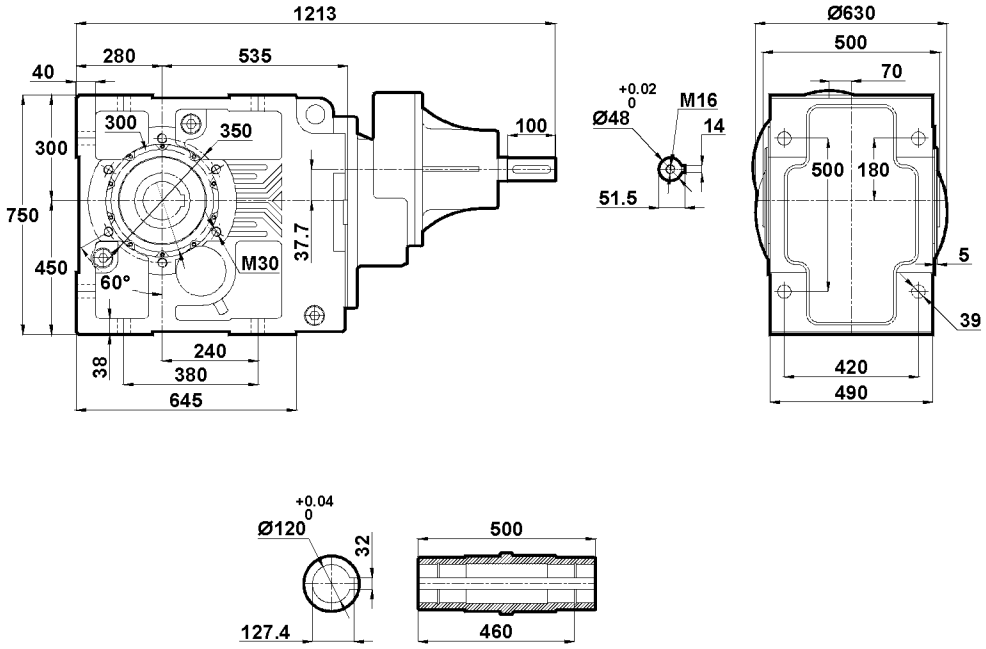
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT973.08

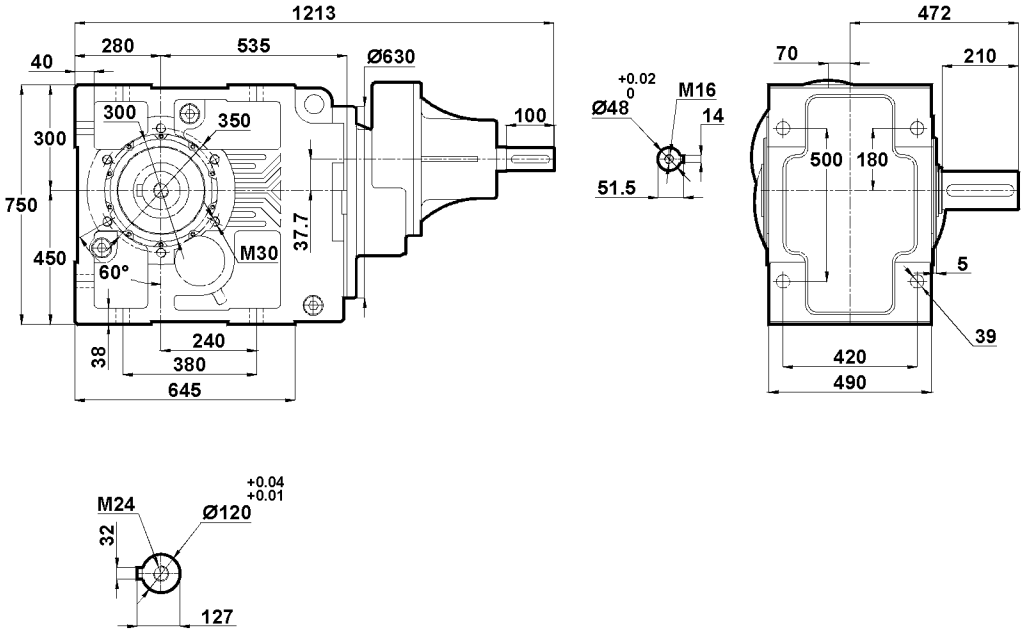


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT974.00

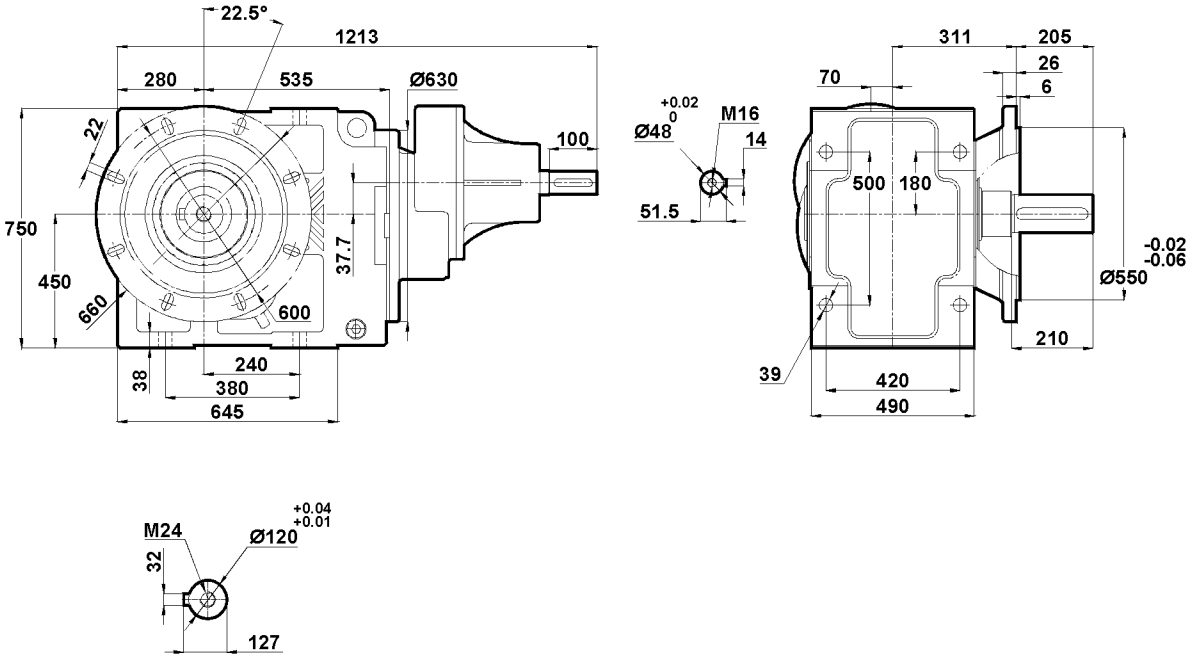


KT974.01

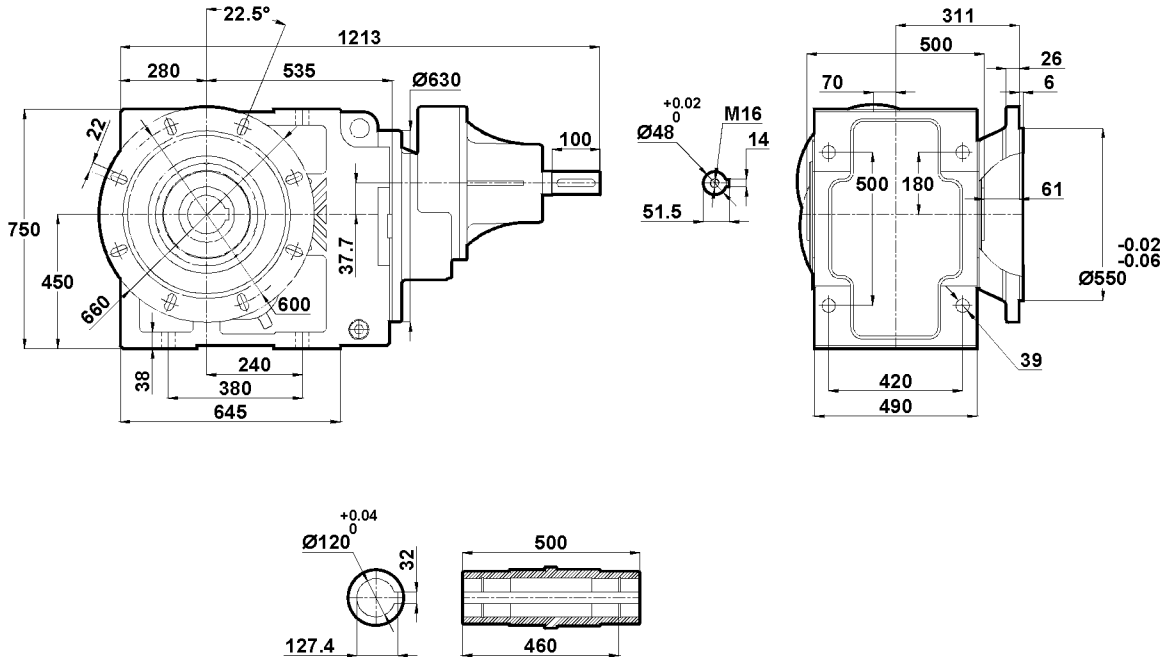


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT974.02

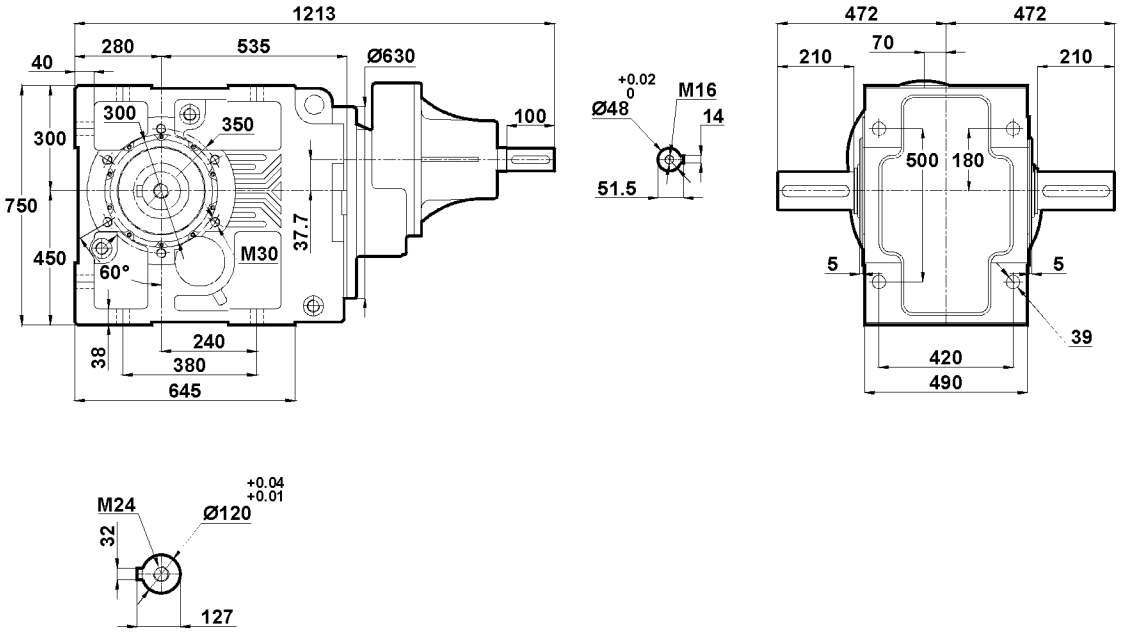


KT974.03



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT974.04



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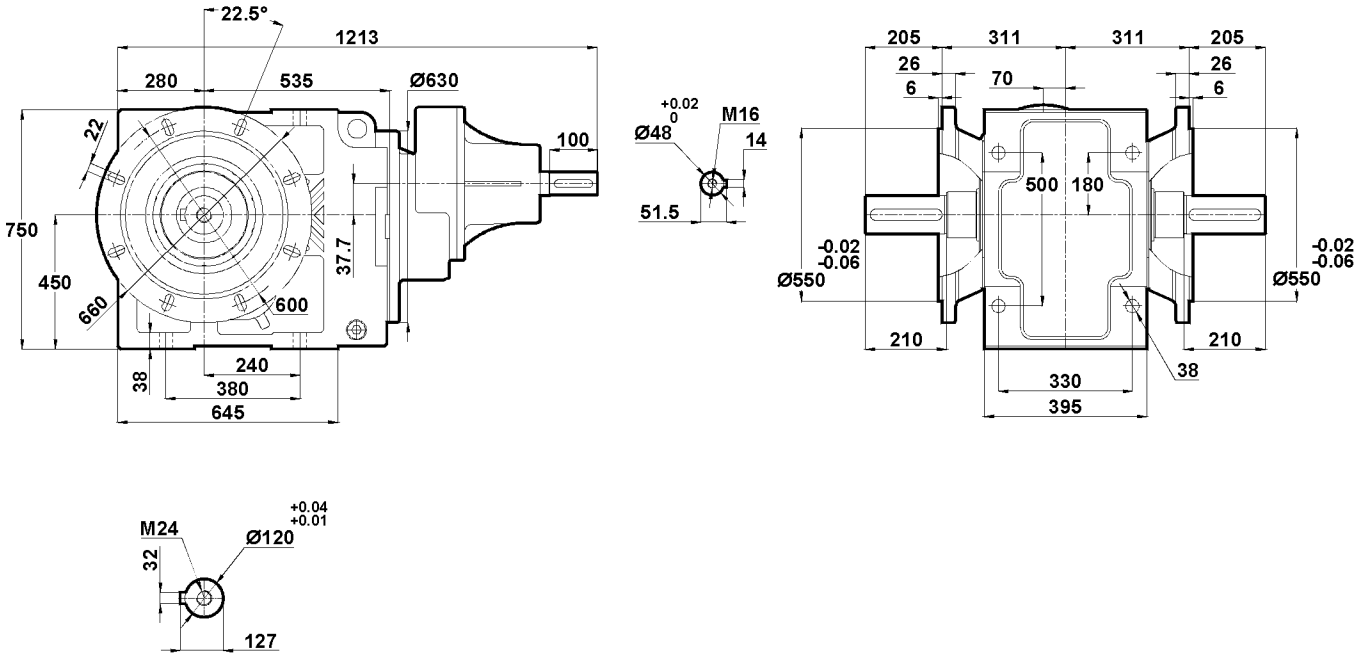
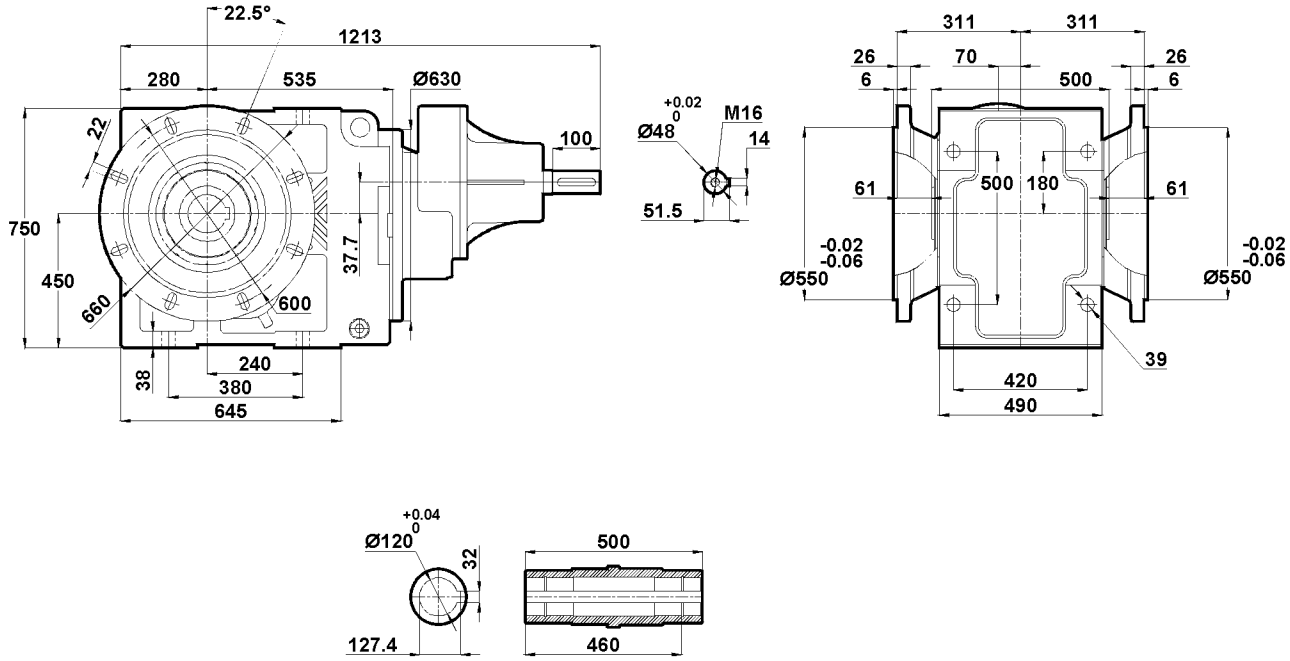


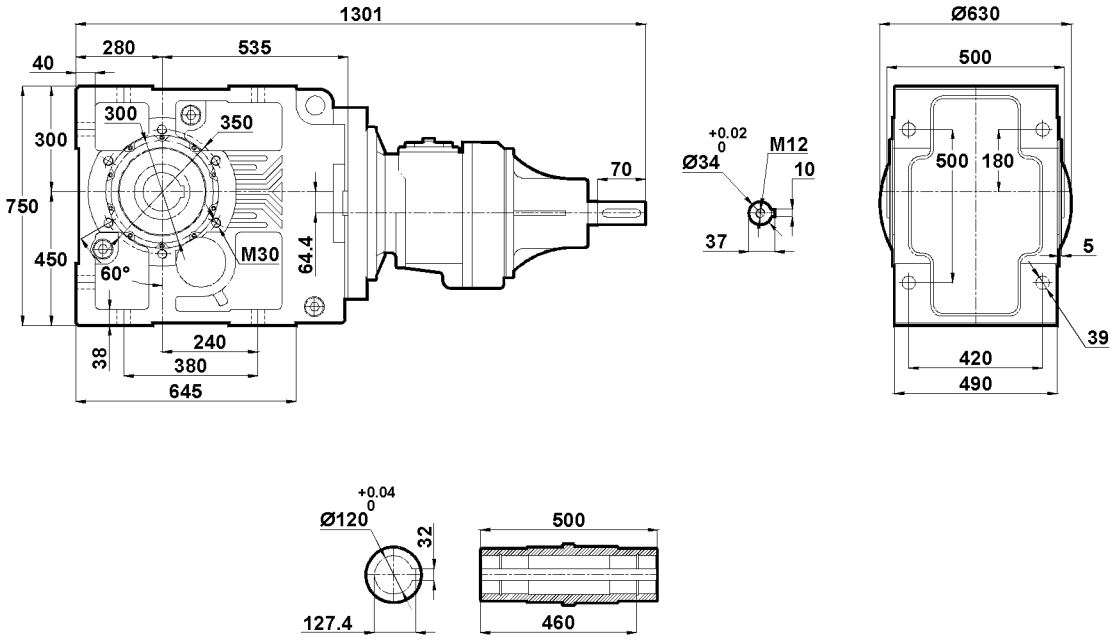
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT974.08

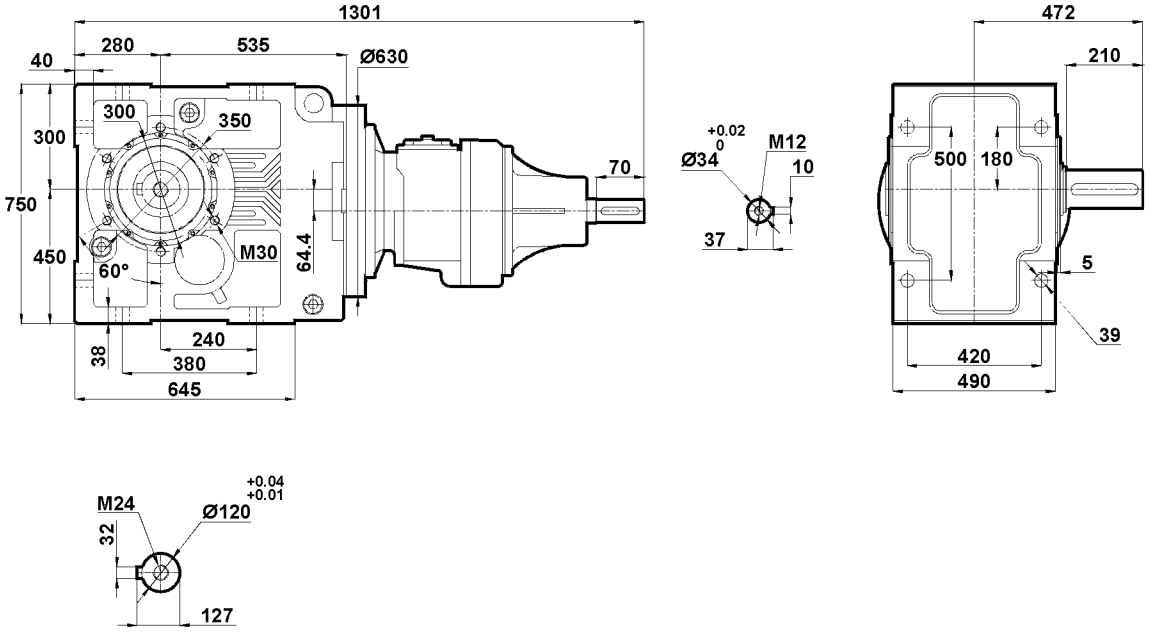


Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

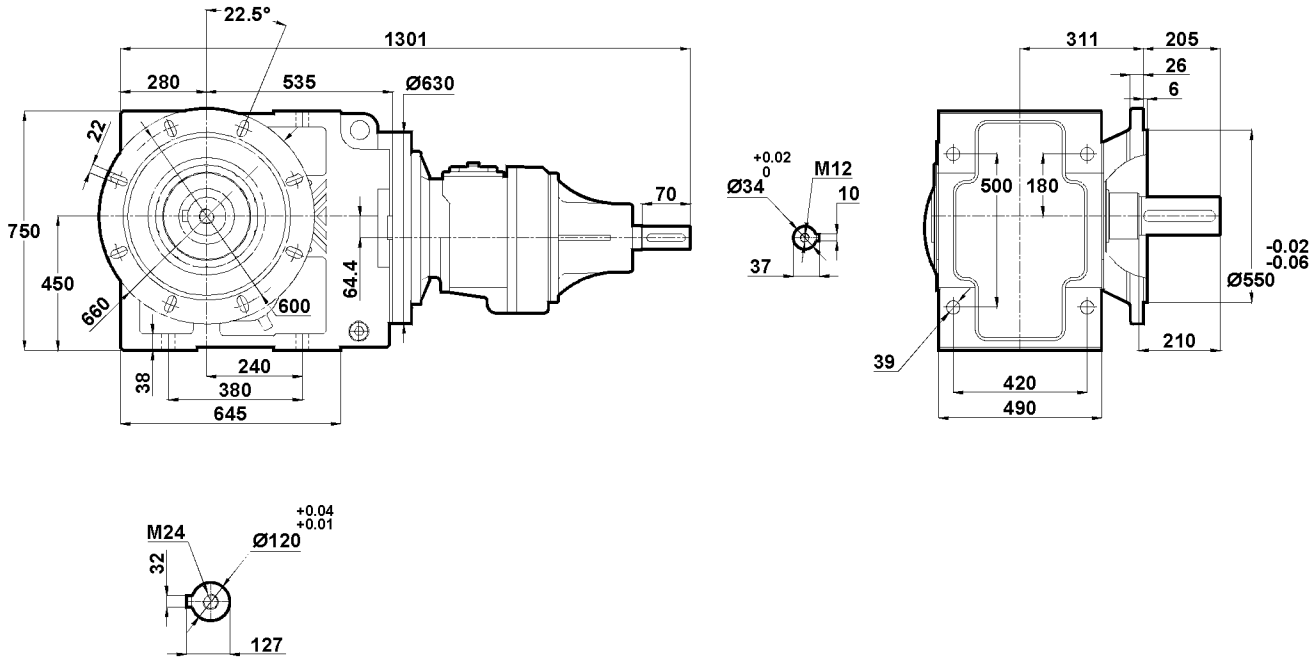
KT975.00
KT976.00



KT975.01
KT976.01



KT975.02
KT976.02



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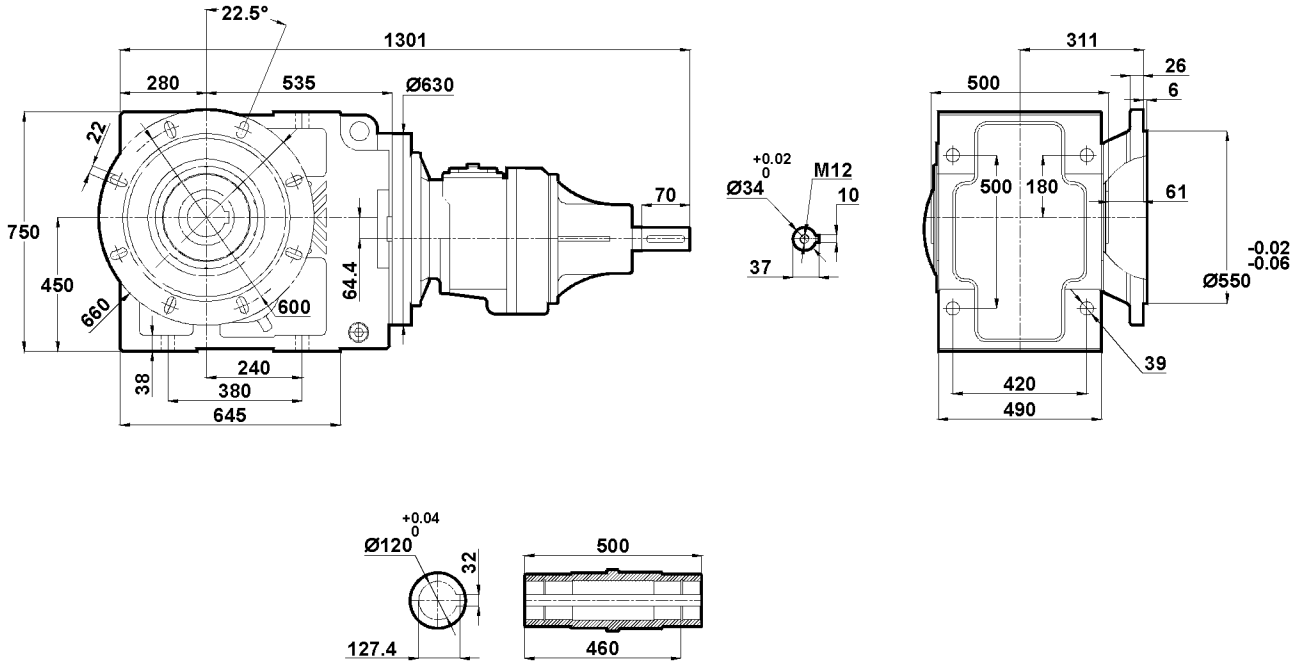
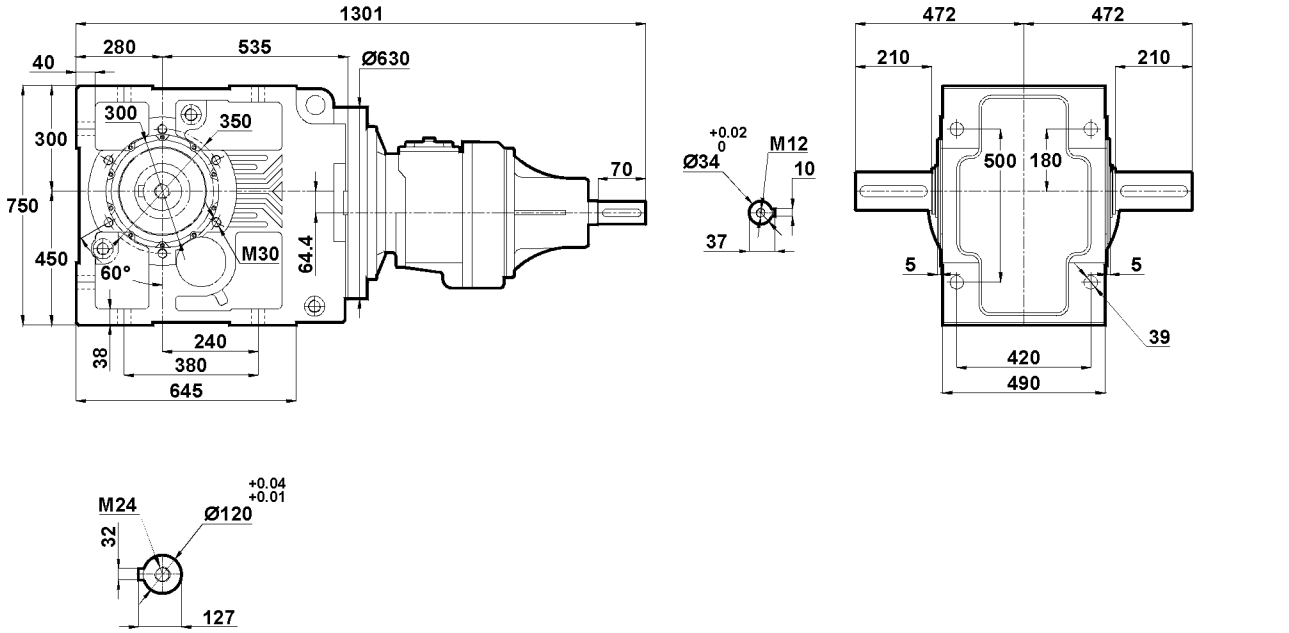
KT976.03



Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT975.04
KT976.04



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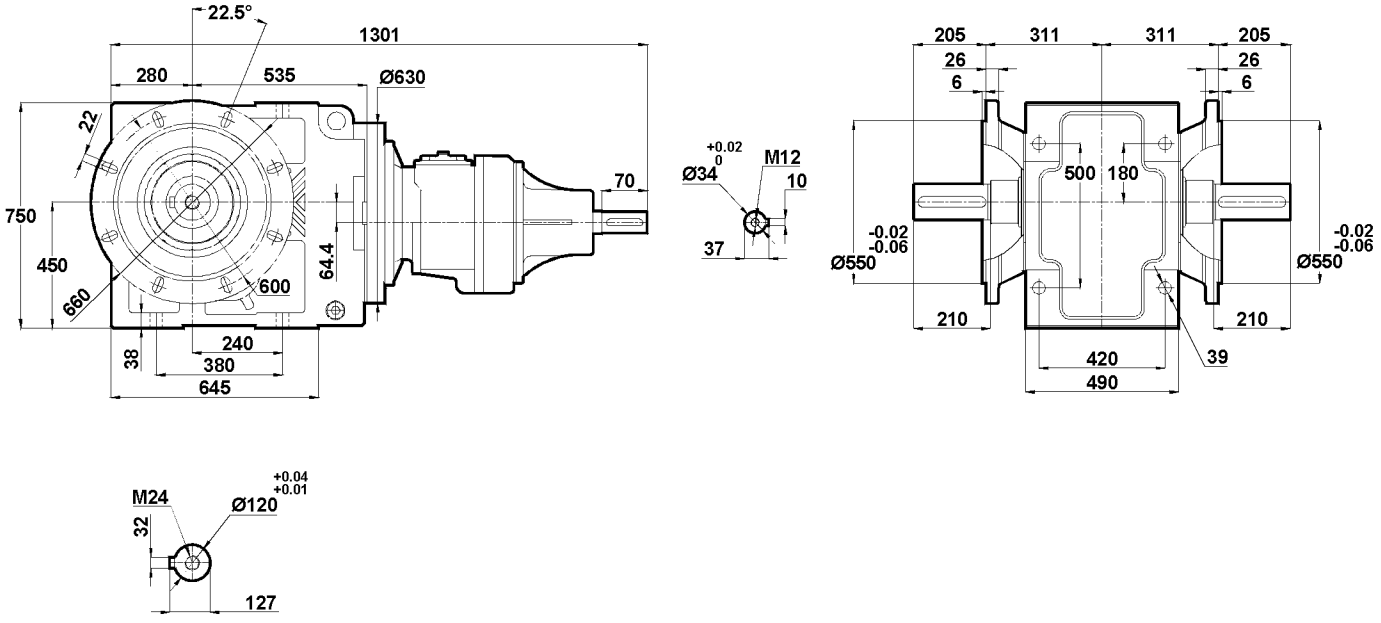
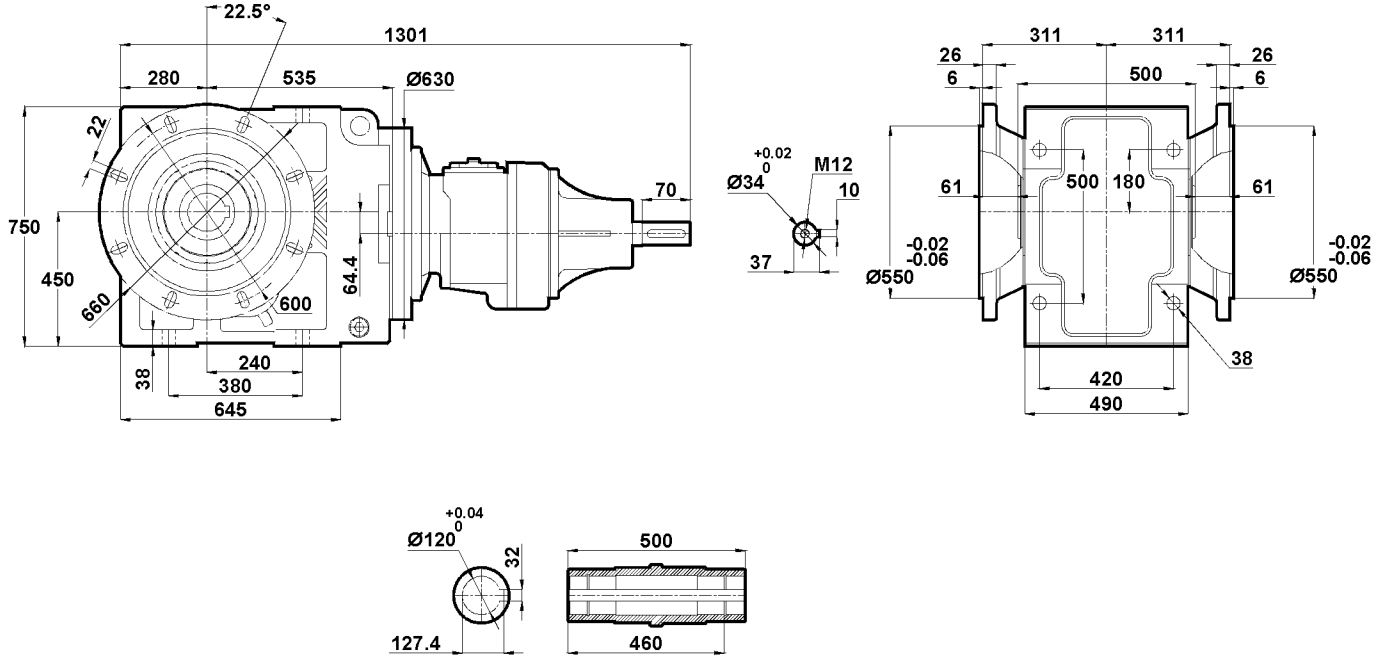


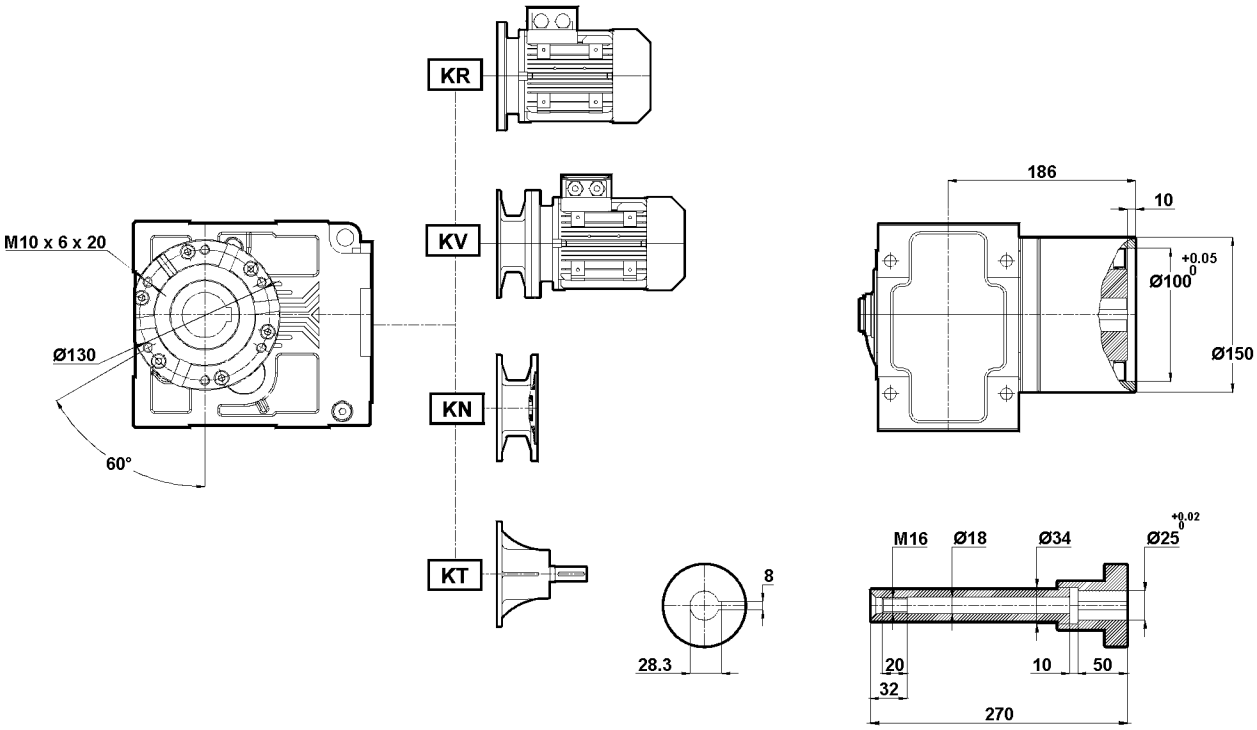
Tapped center hole to DIN 332, sheet 2 / Zentrierung mit Gewinde DIN 332, Blatt 2

KT975.08
KT976.08

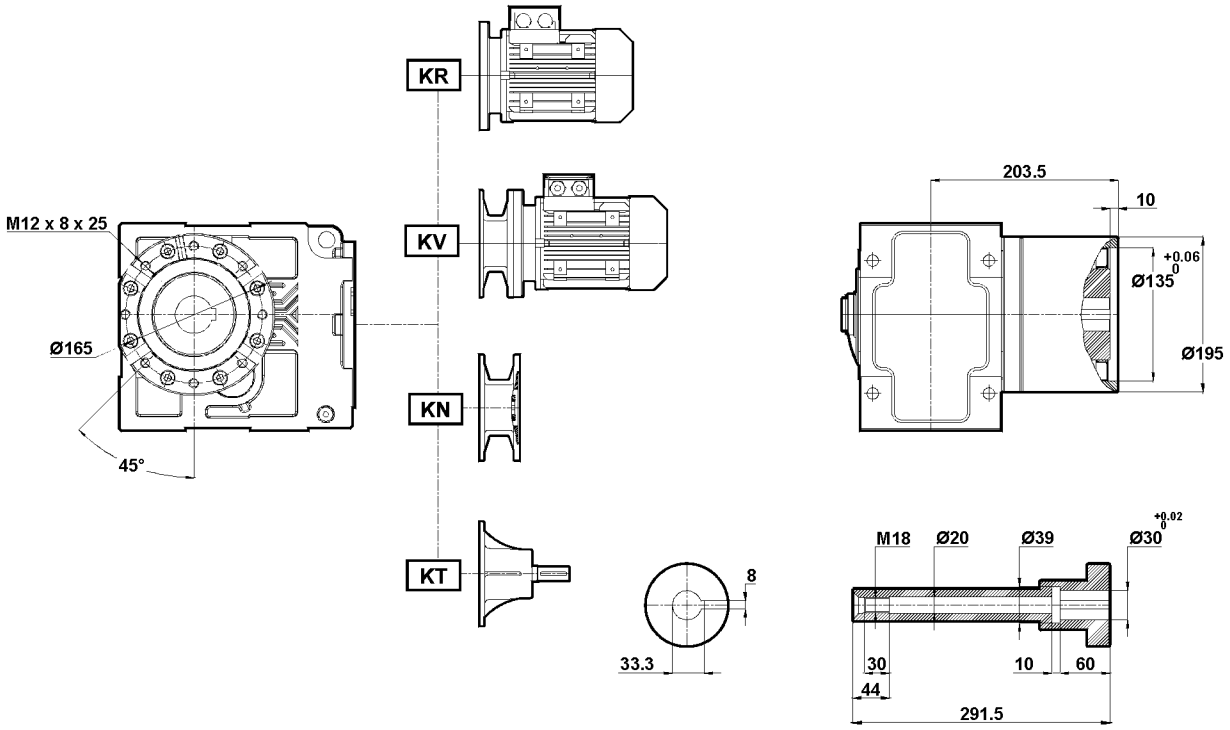


K SERIES EXTRUDER TYPE GEARBOXES
EXTRUDER GETRIEBE der K SERIE GETRIEBE

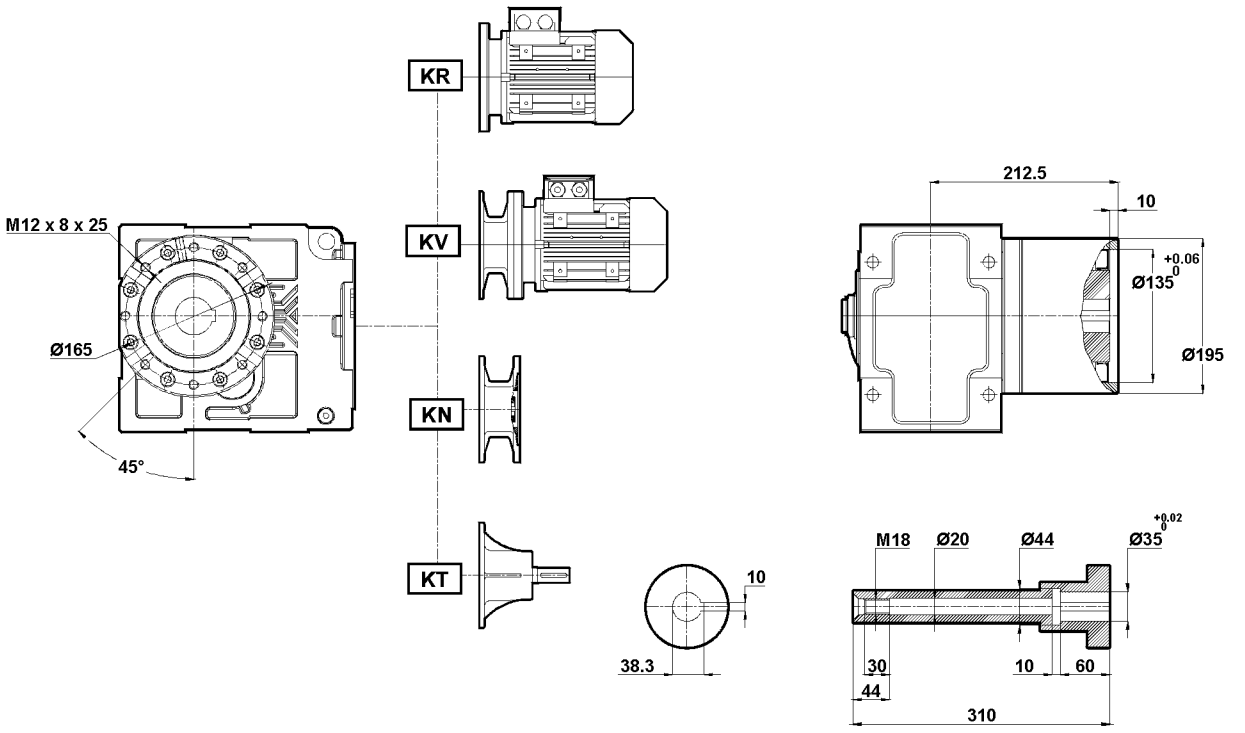
K.27.E



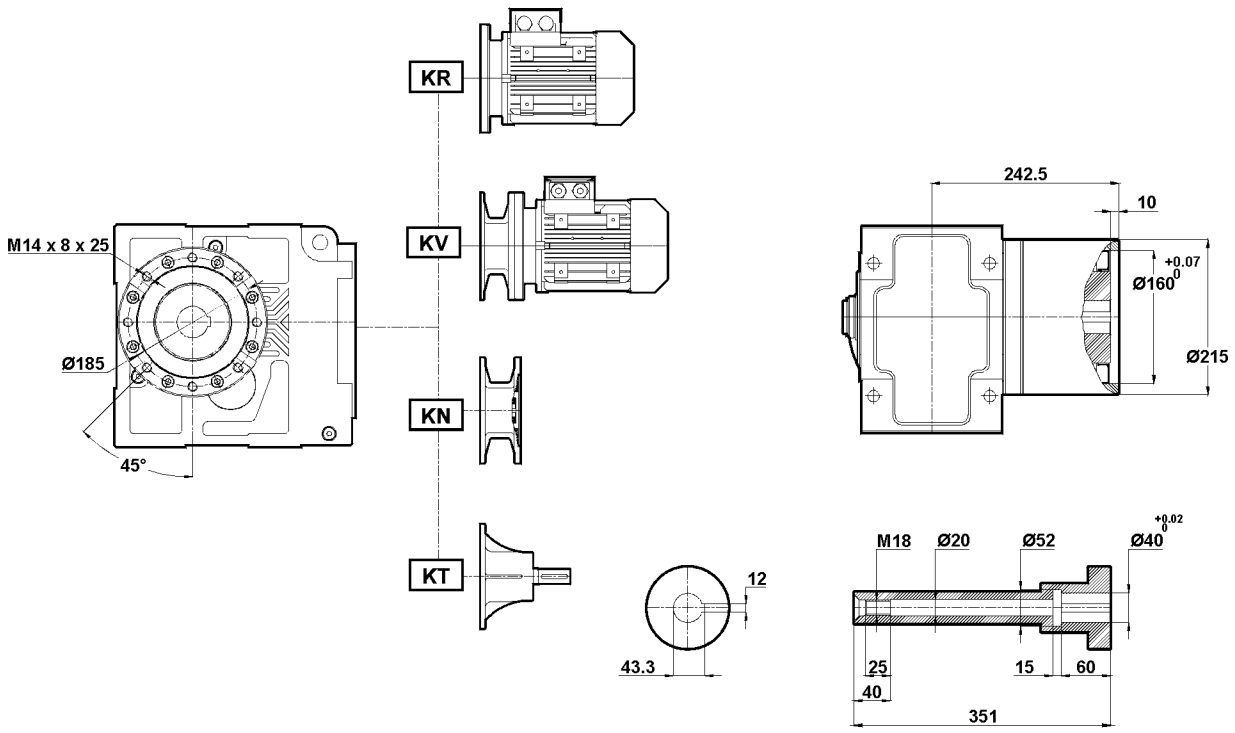
K.28.E



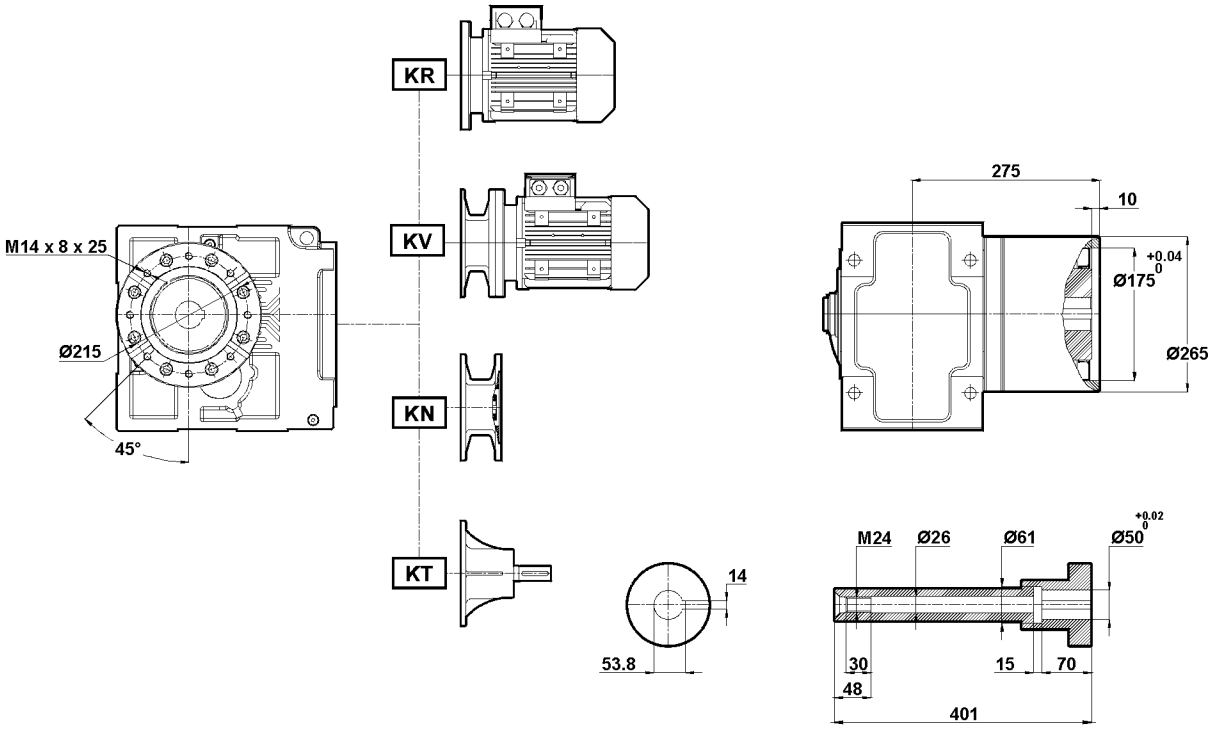
K.37.E


KR
KV
KN
KT
M12 x 8 x 25
Ø165
45°
212.5
10
Ø135 +0.06 0
Ø195
10
38.3
M18
Ø20
Ø44
Ø35 +0.02 0
30
10
60
44
310

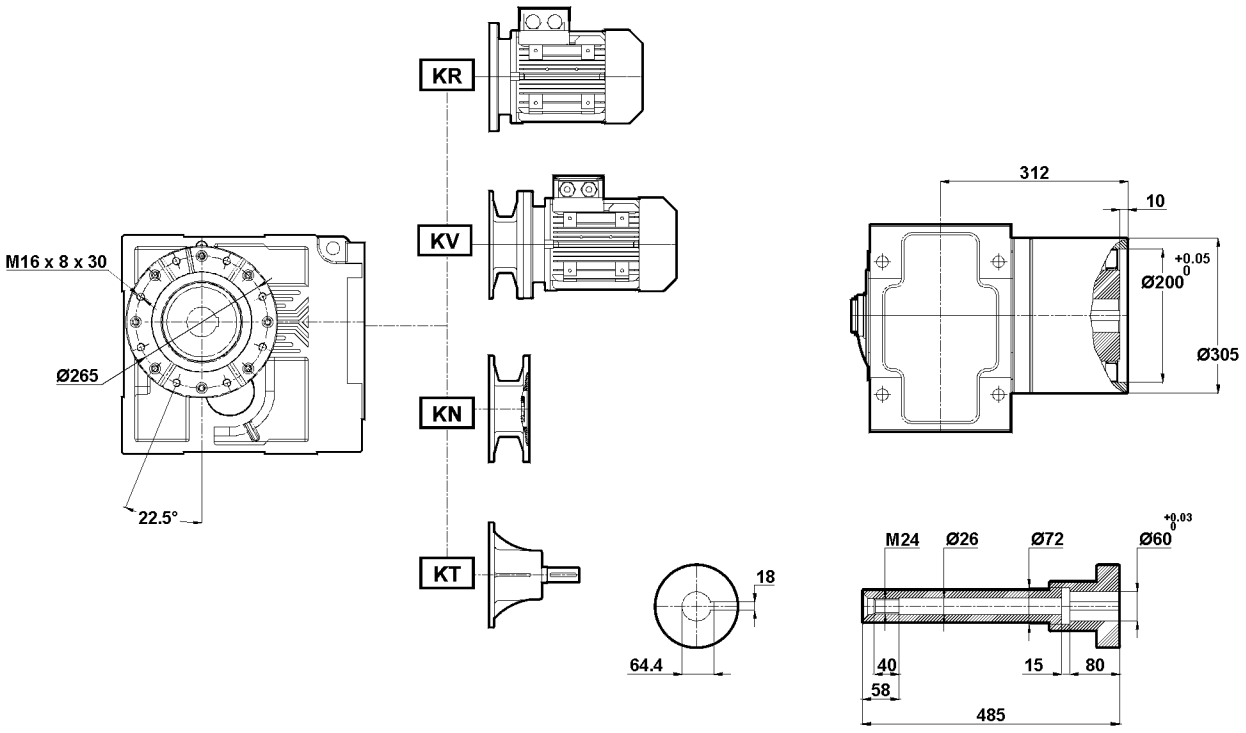
K.47.E


KR
KV
KN
KT
M14 x 8 x 25
Ø185
45°
242.5
10
Ø160 +0.07 0
Ø215
12
43.3
M18
Ø20
Ø52
Ø40 +0.02 0
25
15
60
40
351

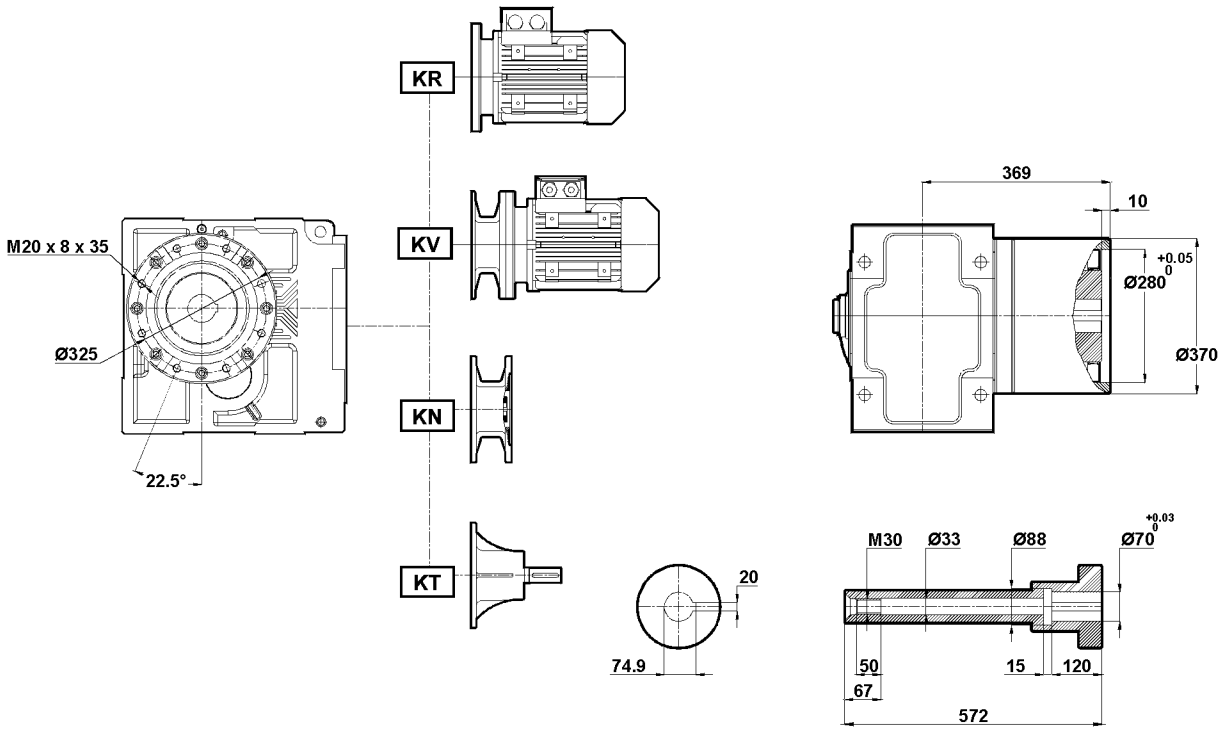
K.57.E


KR
KV
KN
KT
M14 x 8 x 25
Ø215
45°
275
10
Ø175 +0.04 0
Ø265
14
53.8
M24
Ø26
Ø61
Ø50 +0.02 0
30
15
70
48
401

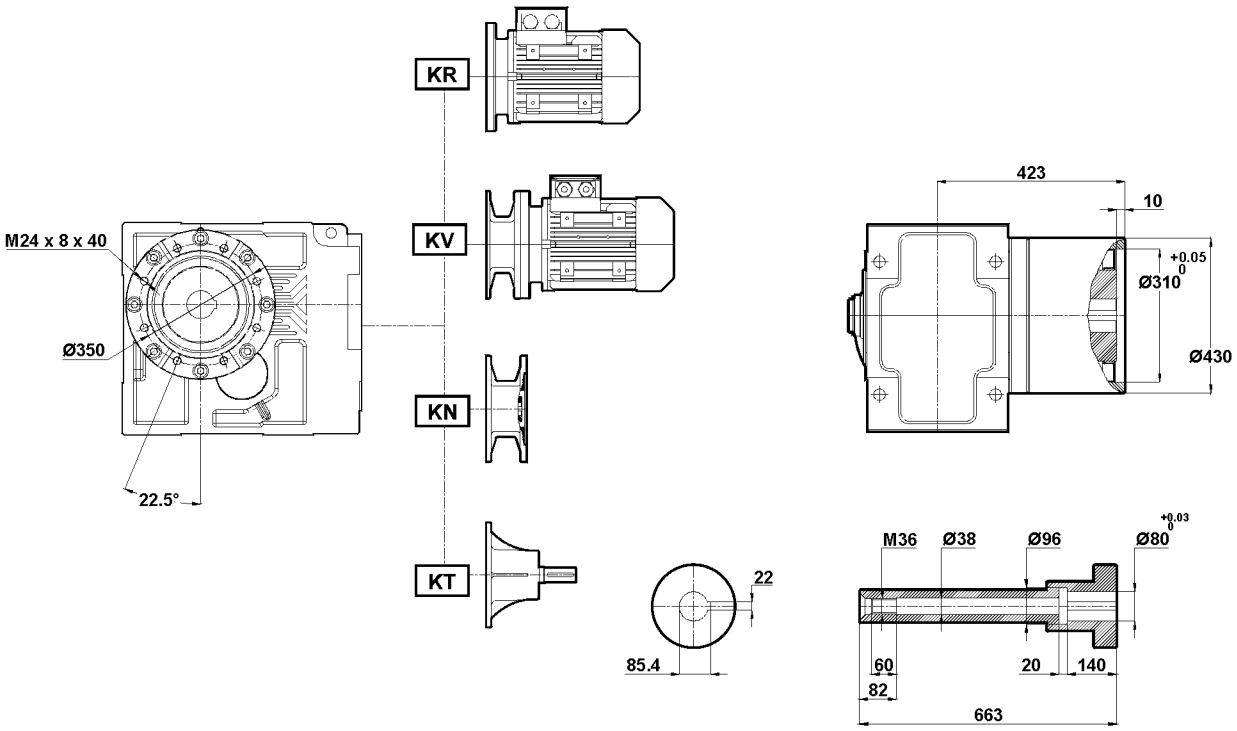
K.67.E


KR
KV
KN
KT
M16 x 8 x 30
Ø265
22.5°
312
10
Ø200 +0.05 0
Ø305
18
64.4
M24
Ø26
Ø72
Ø60 +0.03 0
40
15
80
58
485

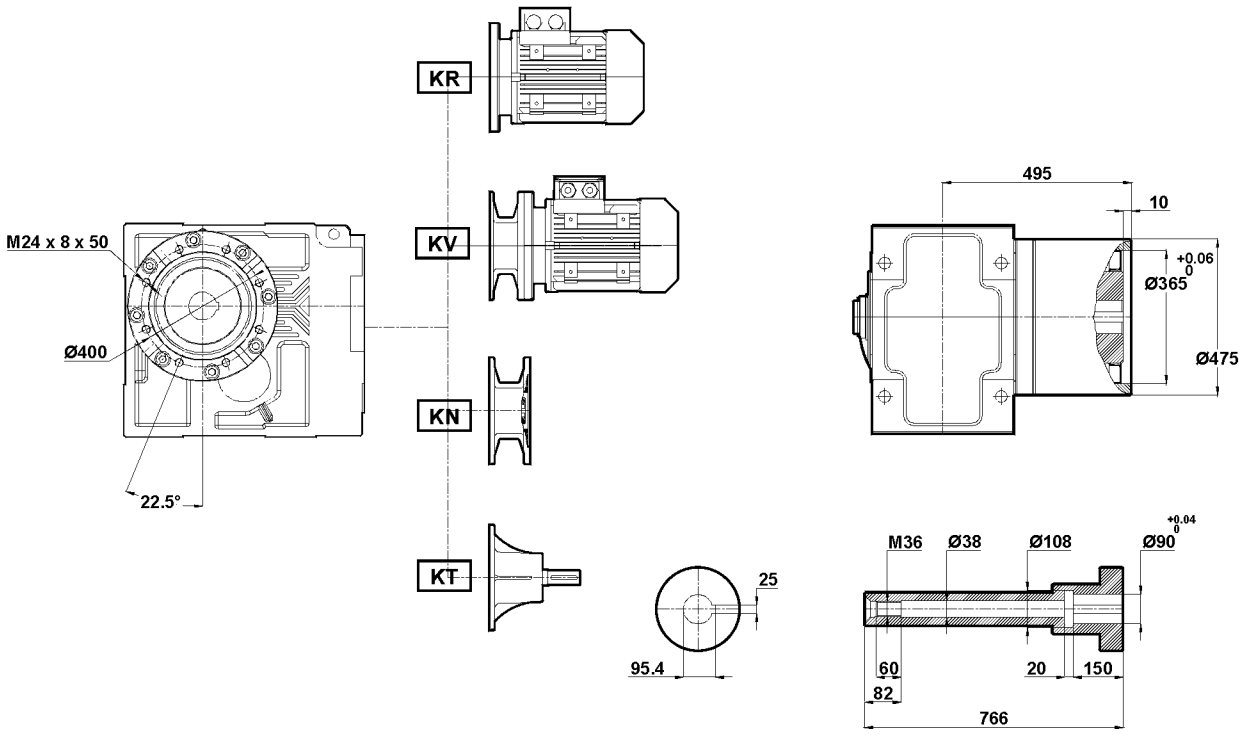
K.77.E


KR
KV
KN
KT
M20 x 8 x 35
Ø325
22.5°
369
10
Ø280 +0.05 0
Ø370
20
74.9
M30
Ø33
Ø88
Ø70 +0.03 0
50
67
15
120
572

K.87.E

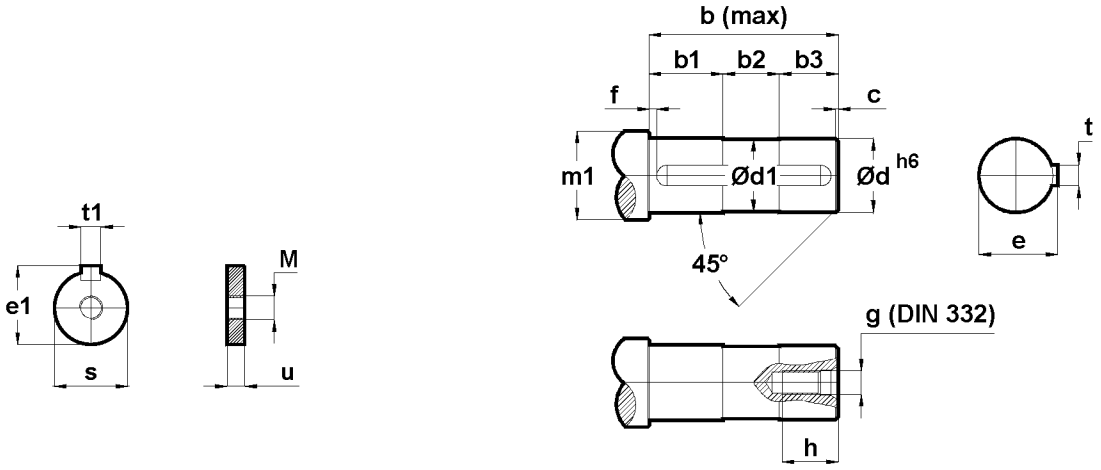

KR
KV
KN
KT
M24 x 8 x 40
Ø350
22.5°
423
10
Ø310 +0.05 0
Ø430
22
85.4
M36
Ø38
Ø96
Ø80 +0.03 0
60
82
20
140
663

K.97.E


KR
KV
KN
KT
M24 x 8 x 50
Ø400
22.5°
25
95.4
495
10
+0.06
0
Ø365
Ø475
M36
Ø38
Ø108
+0.04
0
Ø90
60
82
20
150
766

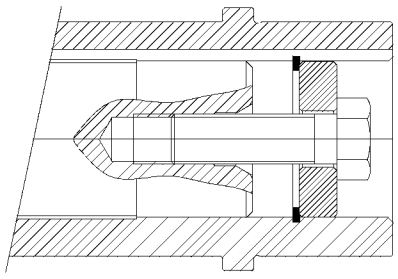
Notes / Notizen

ADVISED SHAFT DIMENSIONS AND ACCESORIES USED BY ASSEMBLING FOR K SERIES GEARBOXES
EMPFOHLENE WELLENABMESSUNGEN UND VERBINDUNGSELEMENTE BEI MONTAGE FÜR BAUREIHE K

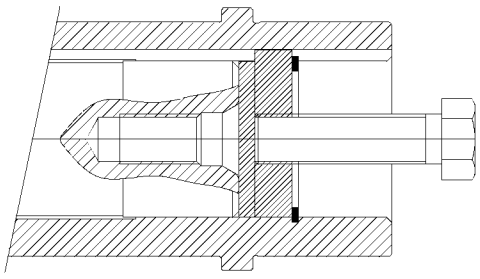


Type Typ	s	u	e1	t1	M	d	d1	m1	f	b	b1	b2	b3	c	g	h	e	t
K.00..	19.7	10	22	5.5	M10	20	19	24	5	86	45	25	16	0.5	M6	18	22.5	6
K.10..	29.7	10	33	7.5	M12	30	29	36		90	50	20	20	1	M10	24	33	8
K.20..	34.7	12	38	9.5	M16	35	34	43		102	60	20	22	1	M12	30	38	10
K.27..	34.7	12	38	9.5	M16	35	34	43		114	65	27	22	1	M12	30	38	10
K.28..	34.7	12	43	11.5	M20	40	39	50		124	70	28	26	2	M16	38	43	12
K.37..	39.7	12	43	11.5	M20	40	39	50		138	75	35	28	2	M16	38	43	12
K.47..	49.7	12	53.5	13.5	M20	50	49	60		165	87	41	37	3	M16	38	53.5	14
K.57..	59.7	16	64	17.5	M24	60	59	75		188	101	44	43	3	M20	44	64	18
K.67..	69.7	16	74.5	19.5	M24	70	69	85		248	115	78	55	4	M20	44	74.5	20
K.77..	89.7	20	95	24.5	M30	90	89	110		287	140	83	64	4	M24	52	95	25
K.87..	109.7	20	116	27.5	M30	110	109	130		347	165	98	84	4	M24	52	116	28
K.97..	119.7	20	127	31	M30	120	119	140		434	185	130	119	4	M24	52	127	32

Shaft Mounting / Einziehen

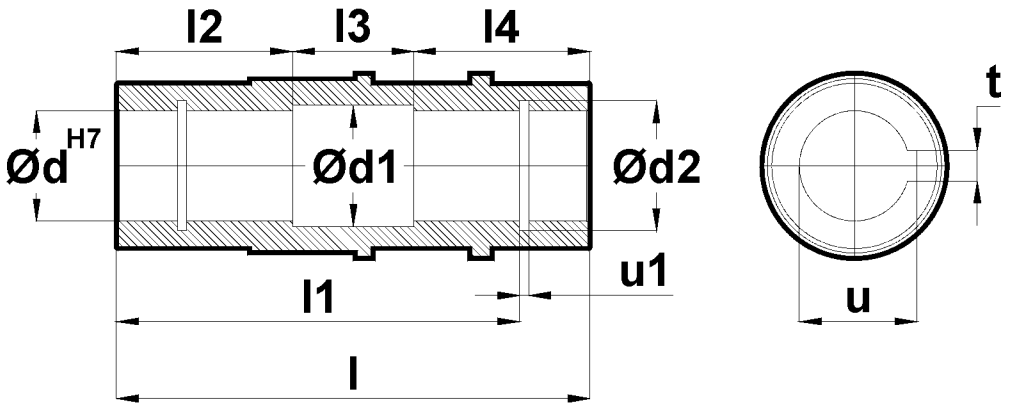


Shaft Pulling Out / Heraus Drücken



6 Contour Bolt / Sechskantschraube (DIN ISO 4014 .
DIN ISO 4017)
(DIN ISO 8765)

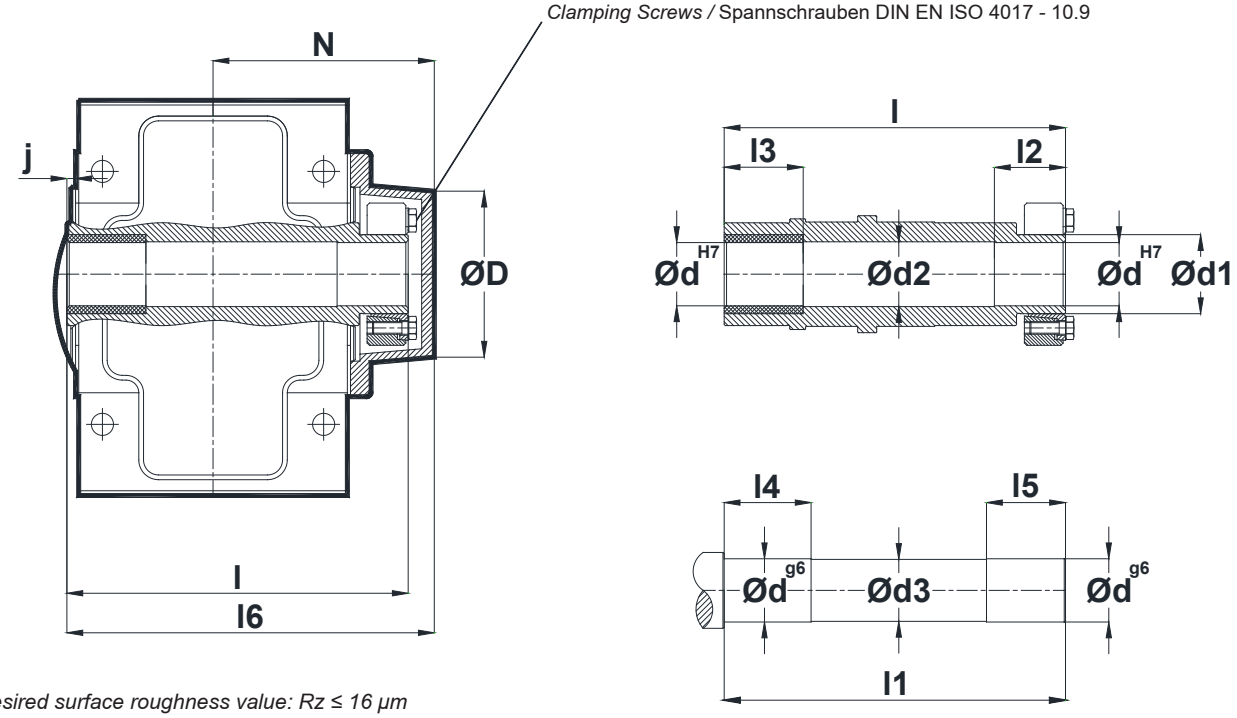
HOLLOW SHAFT DIMENSIONS FOR K SERIES GEARBOXES
HOHLWELLEABMESSUNGEN der BAUREIHE K



Type Typ	d	d1	d2	l	l1	l2	l3	l4	u1	t	u
K.00..	20	21	21	115	100	40	35	40	1.1	6	22.8
K.10..	30	31	31.4	120	105	45	30	45	1.3	8	33.3
K.20..	35	36	36.4	140	120	55	30	55	1.6	8	38.3
K.27..	35	36	37	157	132	60	37	60	1.6	10	38.3
K.28..	40	41	42.5	166	142	64	38	64	1.85	12	43.3
K.37..	40	41	42.5	185	156	70	45	70	1.85	12	43.3
K.47..	50	51	53	215	183	82	51	82	2.15	14	53.8
K.57..	60	61	63	246	210	96	54	96	2.15	18	64.4
K.67..	70	71	73	308	270	110	88	110	2.65	20	74.9
K.77..	90	91	93.5	363	313	135	93	135	3.15	25	95.4
K.87..	110	111	114	428	373	160	108	160	4.15	28	116.4
K.97..	120	121	124	500	460	180	140	180	4.15	32	127.4

K SERIES HOLLOW SHAFT WITH SHRINK DISC CONNECTOR
HOHLWELLE MIT SCHRUMPFSCHEIBE der BAUREIHE K

Clamping Screws / Spannschrauben DIN EN ISO 4017 - 10.9

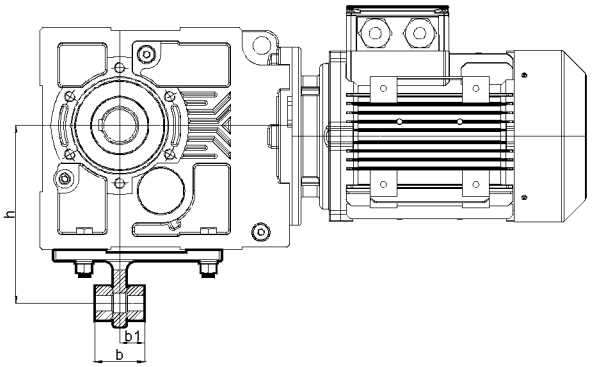


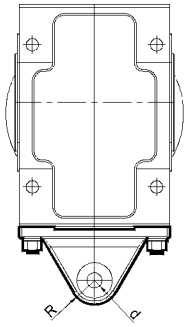
Desired surface roughness value: Rz ≤ 16 µm
Gewünschtes Oberflächenrauhigkeitswert: Rz ≤ 16 µm

	ØD	Ød	Ød1	Ød2	Ød3	l	l1	l2	l3	l4	l5	l6	N	j	M x z	Ta [Nm]
K..00..0S	69	20	24	21	19	137	140	27	20	25	35	147	89.5	4	M5 x 6	4
K..10..0S	88	30	36	31	29	147	150	32	22	27	40	161	101	4	M6 x 5	12
K..20..0S	94	35	44	36	34	170	173	35	25	30	43	183	113	5	M6 x 7	12
K..27..0S	98	35	44	36	34	186	189	35	40	45	43	201	122.5	4.5	M6 x 7	12
K..28.0S	106	40	50	41	39	197	200	35	30	35	43	214	131	5	M6 x 8	12
K..37..0S	106	40	50	41	39	214	219	35	40	45	43	233	140.5	5.5	M6 x 8	12
K..47..0S	129	50	62	51	49	249	252	47,5	52,5	57,5	55,5	236.5	156	5.5	M6 x 10	12
K..57..0S	164	60	75	61	59	282	285	55	60	65	63	302.5	179.5	5.5	M8 x 7	30
K..67..0S	164	70	80	71	69	344	348	60	65	70	68	364	210	6	M8 x 7	30
K..77..0S	219	90	110	91	79	418	421	80	80	90	93	438.5	257	7.5	M10 x 9	59
K..87..0S	260	110	140	111	109	492	495	85	90	100	98	517	303	9	M12 x 10	100
K..97..0S	288	120	155	121	119	570	573	90	80	90	103	595	345	5	M12 x 12	100

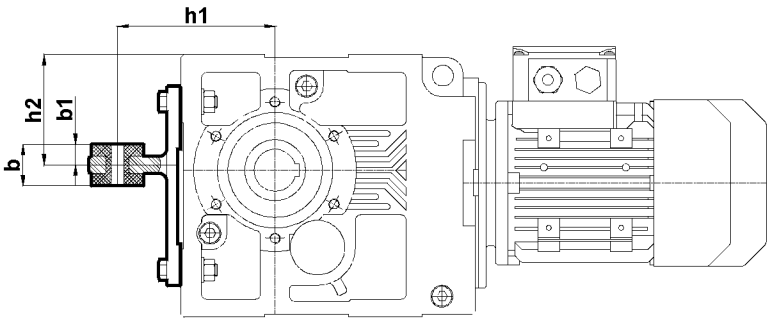
K.27.. - K.97.. TORQUE ARM ASSEMBLY DETAILS

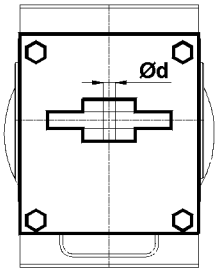
K.27.. - K.97.. DREHMOMENTSTÜTZE MONTAGEZEICHNUNGEN



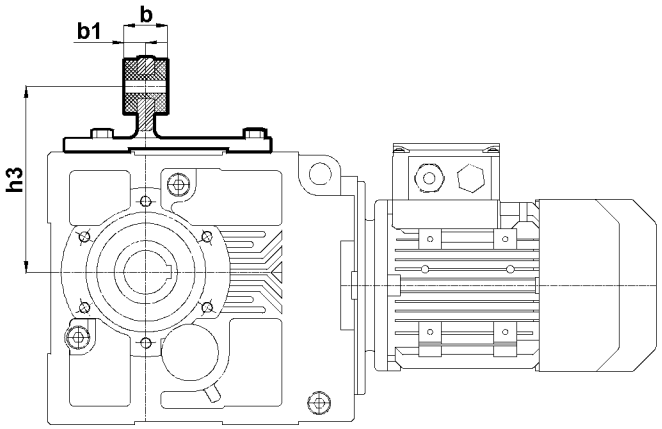


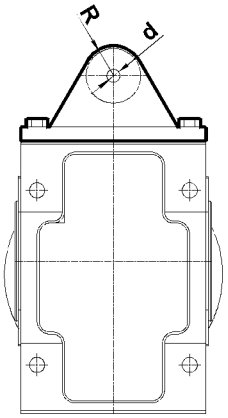
Std





T1



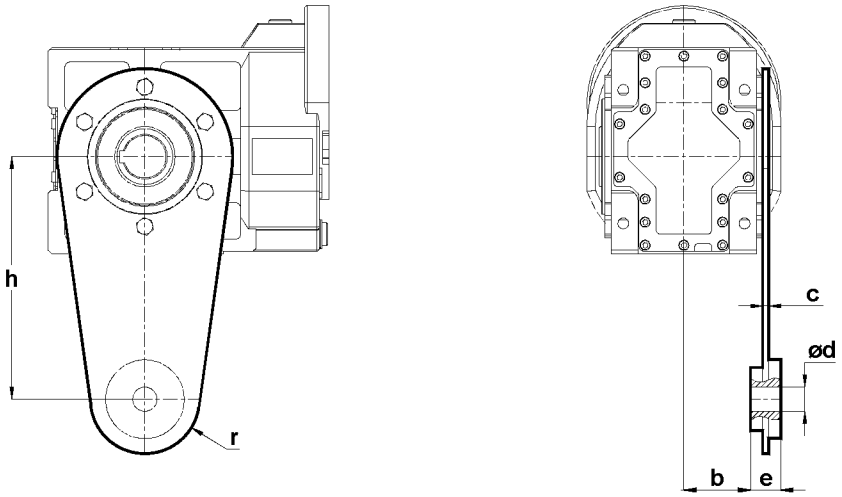


T2

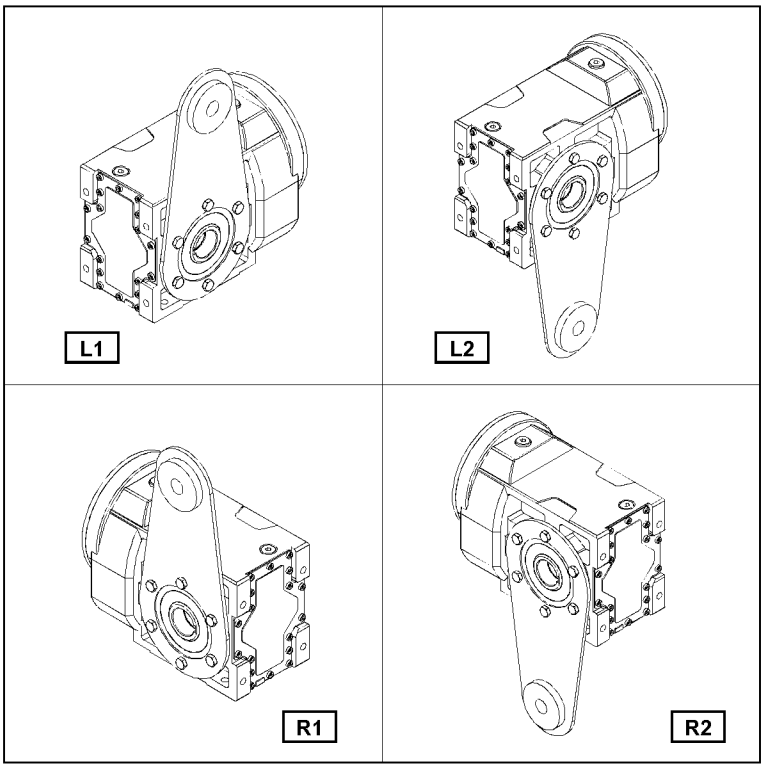
					Std	T1		T2
Type	**b**	**b1**	**d**	**R**	**h**	**h1**	**h2**	**h3**
KR273.10	56	28	Ø17	22,5	160	119	73	141
KR283.10	76	38	Ø22	27,5	192	140	77	150
KR373.10	76	38	Ø22	27,5	200	150	105	170
KR473.10	80	40	Ø22	27,5	250	182	155	210
KR573.10	105	52,5	Ø26	42,5	300	220	180	251
KR673.10	110	55	Ø26	42,5	350	245	200	260
KR773.10	155	77,5	Ø32	50	450	335	260	360
KR873.10	160	80	Ø32	55	550	400	263	410
KR973.10	190	95	Ø38	70	700	530	380	550

K.00.. - K.20.. TORQUE ARM ASSEMBLY DETAILS

K.00.. - K.20.. DREHMOMENTSTÜTZE MONTAGEZEICHNUNGEN

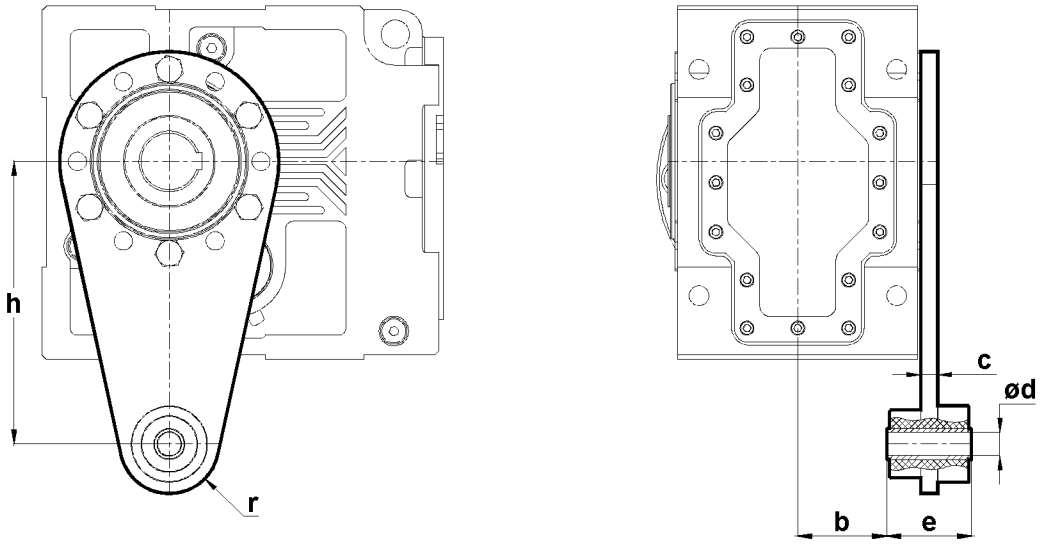


Type	b	e	d	r	h	c
K.00..	47	16	Ø10	32	100	3
K.10..	49.5	16	Ø10	36	150	3
K.20..	54.5	25	Ø20	45	200	5

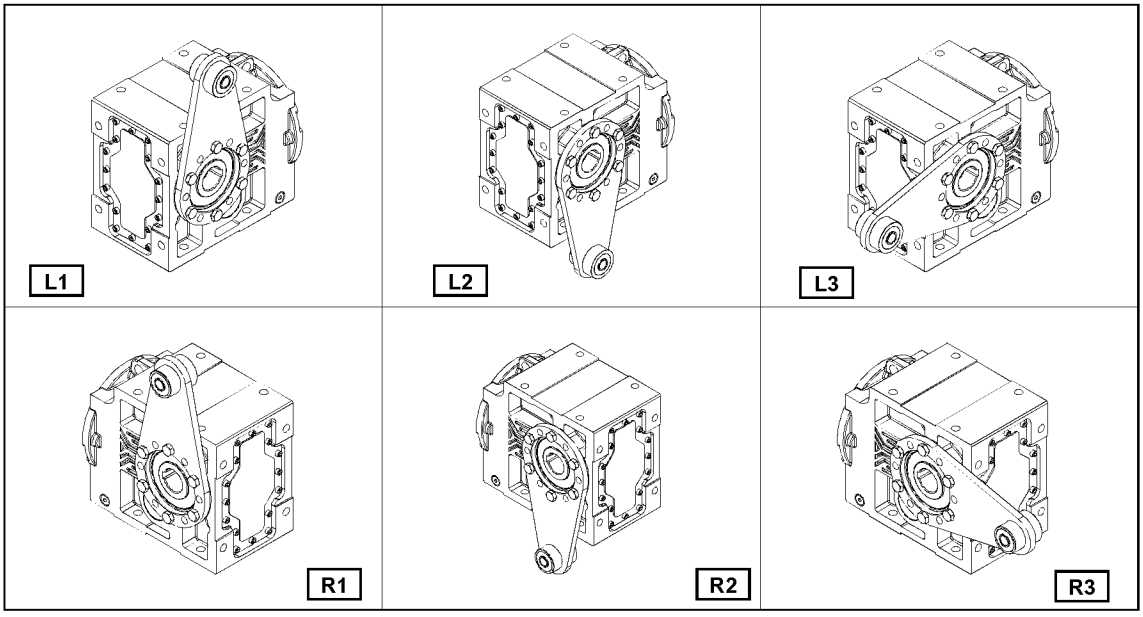


K.27.. - K.97.. OPTIONAL TORQUE ARM ASSEMBLY DETAILS

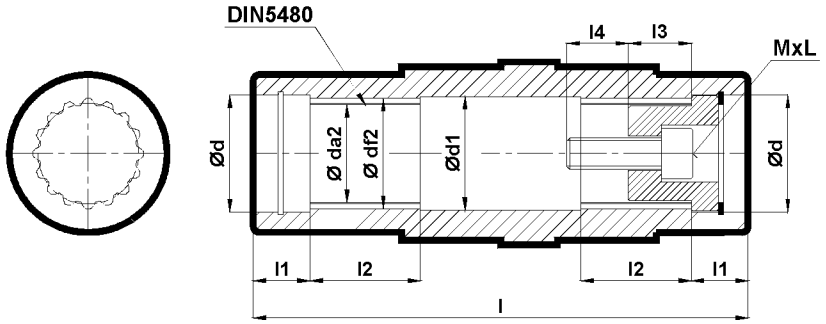
K.27.. - K.97.. AUSWÄHLBARE DREHMOMENTSTÜTZE MONTAGEZEICHNUNGEN



Type Typ	b	e	ød	r	h	c
K.273	62	36	ø11	25	160	12
K.283	63	60	ø16,5	35	200	12
K.373	63	60	ø16,5	35	200	12
K.473	78	60	ø16,5	35	250	12
K.573	73,5	100	ø25	48	300	12
K.673	105,5	100	ø25	54	380	15
K.773	131,5	100	ø25	58	450	15
K.873	155	120	ø32	70	550	20
K.973	195	120	ø38	75	700	20

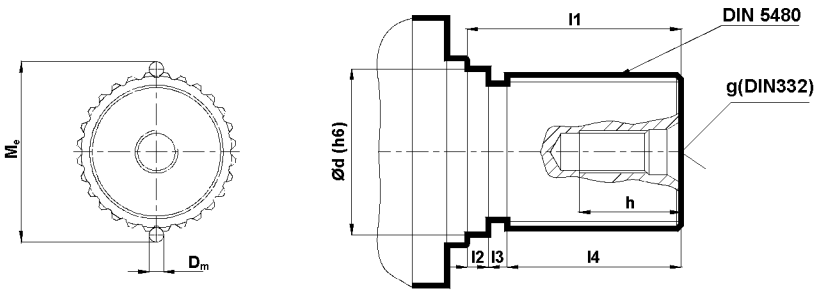


K.00.. - K.97.. DIMENSIONS OF SPLINED HOLLOW SHAFT TO DIN 5480
K.00.. - K.97.. ABMESSUNGEN VON HOHLWELLE MIT VIELKEILVERZAHNUNG NACH DIN 5480



Type Typ	DIN5480	ød	ød1	ød2	øda2	ødf2	l	l1	l2	l3	l4	MxL
K00	N25x1,25x30x18x9H	27	26	44	22,5	25,25	115	17	22	20	20	M10x60
K10	N30x1,25x30x22x9H	32	31	53	27,5	30,25	120	18	25	20	20	M10x60
K20 **K27** **K28**	N35x2x30x16x9H	37	36	64 58 63,5	31	35,4	140 157 166	18	35	20	20	M10x70 M10x90 M10x100
K37	N45x2x30x21x9H	47	46	74	41	45,4	185	25	45	24	32	M16x110
K47	N50x2x30x24x9H	55	51	84	46	50,4	215	25	55	24	32	M16x130
K57	N65x2x30x31x9H	72	66	104	61	65,4	246	25	65	30	40	M20x150
K67	N70x2x30x34x9H	72	71	119	66	70,4	308	25	75	30	40	M20x210
K77	N85x3x30x27x9H	90	86	139,5	79	85,6	363	26	90	30	40	M20x240
K87	N100x4x30x24x9H	110	101	169	92	100,8	428	30	105	41	50	M24x290
K97	N120x4x30x28x9H	130	121	179	112	120.8	500	35	120	41	50	M24x340

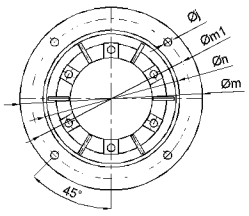
NOTE: *The customer shaft length must be made only for one sided (l1+l2) splined hollow shaft dimensions! The total length (l) of the splined hollow shaft can not be used in this case!*
HINWEIS: Die Kundenwellenlänge muss nur für einseitiger (l1+l2) Hohlwelle mit Vielkeilverzahnung gefertigt werden. Die Gesamtlänge der Hohlwelle (l) kann in diesem Fall nicht verwendet werden!



Type Typ	DIN5480	ød	l1	l2	l3	l4	Me	Dm	g (DIN332)
K00	W25x1,25x30x18x8f	27	44	10	7	27	$28,01^{0\,/\,-0,03}$	2,75	M10x24
K10	W30x1,25x30x22x8f	32	48	11	7	30	$33,05^{0\,/\,-0,04}$	2,75	M10x24
K20 **K27** **K28**	W35x2x30x16x8f	37	58	11	7	40	$38,94^{0\,/\,-0,05}$	4,00	M10x24
K37	W45x2x30x21x8f	47	75	18	7	50	$48,88^{0\,/\,-0,05}$	4,00	M16x38
K47	W50x2x30x24x8f	55	85	18	7	60	$54,16^{0\,/\,-0,05}$	4,00	M16x38
K57	W65x2x30x31x8f	72	95	17	8	70	$68,99^{0\,/\,-0,06}$	4,00	M20x44
K67	W70x2x30x34x8f	72	105	17	8	80	$74,18^{0\,/\,-0,06}$	4,00	M20x44
K77	W85x3x30x27x8f	90	121	16	10	95	$91,02^{0\,/\,-0,05}$	6,00	M20x44
K87	W100x4x30x24x8f	110	140	20	10	110	$108,37^{0\,/\,-0,06}$	8,00	M24x52
K97	W120x4x30x28x8f	130	160	23	12	125	$127,89^{0\,/\,-0,06}$	8,00	M24x52

OPTIONAL OUTPUT FLANGE DIMENSIONS FOR K SERIES
AUSWÄHLBARE ABTRIEBSFLANGEDIMENSIONEN FÜR BAUREIHE K

A



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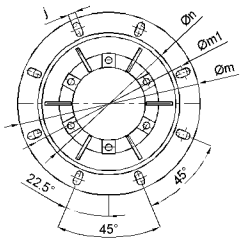

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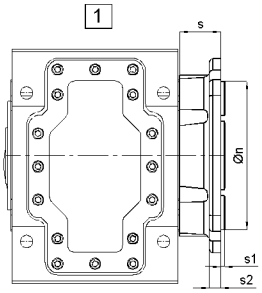

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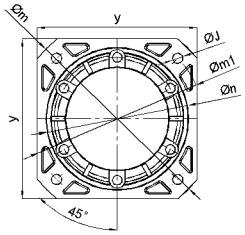

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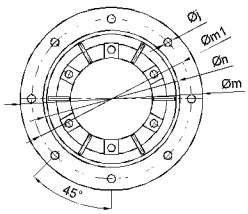
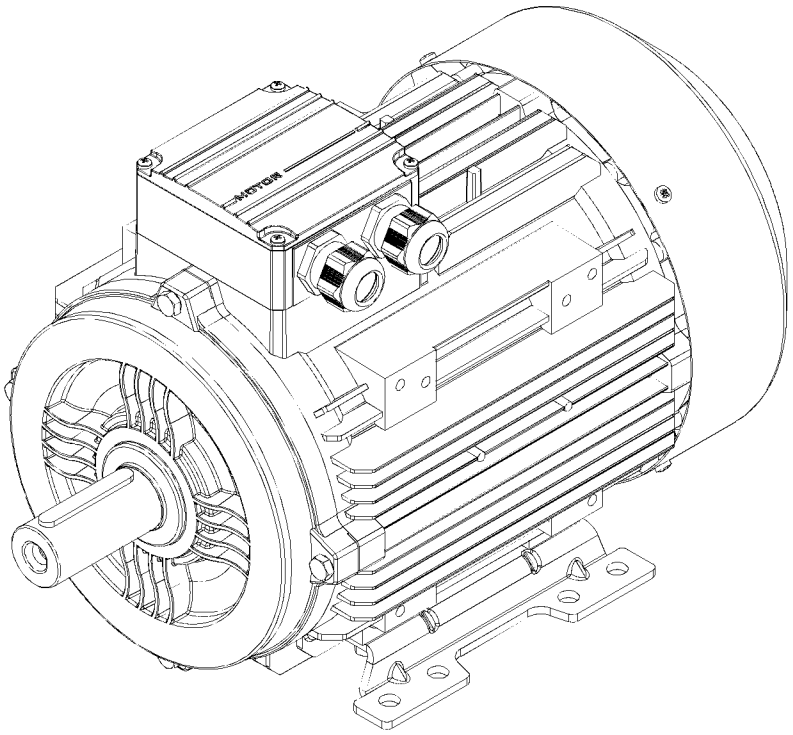


Type Typ	*Flange Code* Flanschkode	*Flange Type* Flanschtyp	*Mounting Dimensions* Montageabmessungen							
			øm	**øm1**	**øn**	j	**s**	**s1**	**s2**	**y**
K003	MX05.5K003-120	C1	120	95	80	8	46,5	3	9	110x110
K103	DX05.5D173-200	A1	200	165	130	12	28	3,5	12	-
K203 K273	MX05.K273-160X01	A1	160	130	110	12	54	3,5	13	-
	MX05.5K273-250	C1	250	215	180	14	42	4	14	210x210
K283 K373	MX05.5K373-250X05	A1	250	215	180	Ø14	86	4	15	-
	MX05.5K373-300	C1	300	265	230	14	46	4	16	240x240
	DX05.5D283-200	A1	250	215	180	Ø14	40	4	15	-
	DX05.5D283-250	A1	200	165	130	12	30	4	19	-
	DX05.5D373-300	A1	300	265	230	Ø14	40,5	4	15	-
K473	MX05.5K473-250	A1	250	215	180	14	28	4	16	-
	MX05.5K473-350	A1	350	300	250	Ø18	46,5	4	18	-
K573 K673	MX05.5K573X08	C1	350	300	250	Ø18	78	5	18	280x280
	MX05.5K573-300	A1	300	265	230	M12	30	4	20	-
	MX05.5K673-450	B1	450	400	350	18	62	5	22	-
	DX05.5D573-400	D1	400	350	300	Ø18	55	5	20	-
	DX05.5D673-450	D1	450	400	350	Ø18	54,5	5	20	-
K773	MX05.5K773-400	B1	400	350	300	Ø18	77	5	24	-
K873	MX05.5K873-450	B1	450	400	350	Ø18	99	5	26	-
	MX05.5K873-550X01	B1	550	500	450	18	51	5	25	-

Electric Motors Ratings and Performance



Elektromotoren Leistungsdaten

400V 50Hz 3000 rpm / 400V 50Hz 3000 UpM

IE3

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmo-ment	*Moment of Inertia* Trägheits-moment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräusch-pegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	I_A/I_N	M_A/M_N	M_K/M_N	**kgm²**	**kg**	**dB(A)**
3E71M/2B	0,37	2830	0,86	1,25	0,81	76,6	77,0	75,0	6,0	2,8	3,0	0,00086	6,2	53
3E71M/2C	0,55	2830	1,19	1,86	0,84	79,4	80,2	78,8	6,1	2,9	3,3	0,00096	7,2	53
3E80M/2B	0,75	2880	1,59	2,49	0,84	80,7	82,0	81,5	6,7	3,0	3,6	0,00140	9,6	54
3E80M/2C	1,1	2880	2,26	3,64	0,85	82,7	83,0	82,4	6,8	3,1	3,8	0,00165	10,9	54
3E90S/2B	1,5	2900	2,97	4,94	0,86	84,8	85,4	84,2	7,6	3,1	3,9	0,00220	15,6	59
3E90L/2C	2,2	2900	4,25	7,24	0,87	85,9	86,8	86,1	7,2	3,0	3,8	0,00310	17,0	59
3E100L/2C	3	2915	5,58	9,83	0,89	87,1	87,6	86,9	7,9	3,0	4,1	0,00540	23,3	62
3E112M/2C	4	2915	7,28	13,1	0,90	88,1	88,8	88,2	7,5	2,6	3,9	0,01100	29,1	65
3E132S/2B	5,5	2945	9,9	17,83	0,90	89,2	89,0	88,6	8,9	2,9	3,9	0,02200	44,4	67
3E132S/2C	7,5	2945	13,2	24,32	0,91	90,1	90,5	89,7	8,4	2,6	4,0	0,02900	51,5	67
3E160M/2A	11	2955	19,5	35,5	0,89	91,2	91,2	90,4	8,5	3,1	4,0	0,03400	105	70
3E160M/2B	15	2955	27	48,5	0,87	91,9	91,8	91,6	7,5	2,4	3,0	0,04600	120	70
3E160L/2	18,5	2960	31,5	59,9	0,92	92,4	92,5	92,0	8,2	3,0	3,2	0,05600	145	70
3E180M/2	22	2960	38	71	0,90	92,7	92,6	92,2	7,0	2,4	3,0	0,07500	170	70
3G200L/2a	30	2980	52	96	0,89	93,3	93,3	92,8	8,5	2,8	3,5	0,15000	240	73
3G200L/2b	37	2980	63	119	0,90	93,7	93,7	93,1	8,3	2,8	3,1	0,17000	270	73
3G225M/2	45	2980	77	144	0,91	94,0	94,1	93,0	8,7	2,7	3,1	0,26000	380	73
3G250M/2	55	2985	92	176	0,92	94,3	94,5	93,3	8,7	2,9	3,0	0,47000	480	76
3G280S/2	75	2985	127	240	0,90	94,7	94,6	94,0	8,0	2,9	3,2	0,62000	585	76
3G280M/2	90	2985	148	288	0,92	95,0	95,0	93,7	8,2	2,9	3,0	0,74000	645	76
3G315S/2	110	2985	186	353	0,90	95,2	95,2	94,0	8,0	2,5	3,0	1,20000	742	76
3G315M/2a	132	2985	223	423	0,90	95,4	95,4	94,1	8,0	2,4	3,5	1,40000	812	79
3G315M/2b	160	2985	265	513	0,91	95,6	95,6	94,2	8,0	2,5	3,0	1,50000	912	79

400V 50Hz 1500 rpm / 400V 50Hz 1500 UpM

IE3

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmoment	*Moment of Inertia* Trägheitsmoment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräuschpegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	I_A/I_N	M_A/M_N	M_K/M_N	**kgm²**	**kg**	**dB(A)**
3E71M/4C	0,25	1435	0,67	1,66	0,71	76,0	75,4	71,5	5,4	2,2	3,0	0,00096	6,8	45
3E71M/4D	0,37	1435	0,97	2,46	0,70	78,5	78,2	75,0	5,5	2,2	3,1	0,00120	7,5	45
3E80M/4C	0,55	1450	1,34	3,62	0,73	80,8	80,4	77,0	5,9	2,1	3,1	0,00220	10,5	50
3E80M/4D	0,75	1450	1,77	4,94	0,74	82,5	82,3	80,0	6,2	2,5	3,4	0,00360	11,6	50
3E90S/4C	1,1	1450	2,46	7,25	0,76	84,5	84,3	82,0	7,0	2,6	3,6	0,00420	16,3	51
3E90L/4D	1,5	1450	3,3	9,88	0,77	85,3	85,2	83,0	7,2	2,8	3,8	0,00480	18,0	51
3E100L/4C	2,2	1450	4,65	14,49	0,79	86,7	87,2	86,0	7,2	2,8	3,6	0,01100	24,4	53
3E100L/4D	3	1450	6,26	19,76	0,79	87,7	88,0	87,0	7,2	2,8	3,6	0,01300	26,7	53
3E112M/4D	4	1460	8,05	26,16	0,81	88,6	88,4	87,5	7,4	2,8	3,8	0,01500	33,9	58
3E132S/4C	5,5	1460	10,65	36	0,83	89,6	90,2	90,0	7,4	2,8	3,4	0,03500	53,4	61
3E132M/4D	7,5	1465	14,4	48,9	0,83	90,4	90,4	89,4	7,9	3,0	3,8	0,04200	59,5	61
3E160M/4C	11	1470	21	71,5	0,83	91,4	91,3	91,0	6,9	2,4	3,1	0,07200	120	63
3E160L/4D	15	1470	29	97,4	0,81	92,1	92,0	91,8	6,9	2,5	3,2	0,09200	144	63
3E180M/4	18,5	1475	34,5	120	0,84	92,6	92,6	91,6	7,8	3,2	3,8	0,15000	180	64
3E180L/4	22	1475	42,5	142	0,80	93,0	92,8	92,0	8,3	3,5	4,0	0,17000	190	64
3G200L/4	30	1475	55	194	0,84	93,6	93,5	93,3	7,9	2,8	3,7	0,25000	240	64
3G225S/4	37	1475	67	240	0,85	93,9	93,9	93,5	7,5	3,1	3,3	0,36000	330	64
3G225M/4	45	1475	80	291	0,86	94,2	94,2	93,4	7,4	3,0	3,1	0,44000	360	64
3G250M/4	55	1480	96	355	0,87	94,6	94,7	94,0	7,7	3,2	3,0	0,78000	445	67
3G280S/4	75	1485	133	482	0,86	95,0	94,9	94,4	7,6	2,9	3,0	1,11000	605	67
3G280M/4	90	1485	158	579	0,86	95,2	95,2	94,8	7,4	2,9	3,0	1,32000	665	67
3G315S/4	110	1487	194	707	0,86	95,4	95,2	95,0	7,4	2,4	3,0	2,5000	861	74
3G315M/4a	132	1487	230	848	0,87	95,6	95,4	95,3	7,4	2,4	3,0	2,8000	882	74
3G315M/4b	160	1488	275	1027	0,88	95,8	95,6	95,6	6,9	2,2	2,9	3,0000	930	74

400V 50Hz 1000 rpm / 400V 50Hz 1000 UpM

IE3

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmo-ment	*Moment of Inertia* Trägheits-moment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräusch-pegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	I_A/I_N	M_A/M_N	M_K/M_N	**kgm²**	**kg**	**dB(A)**
3E71M/6C	0,18	930	0,55	1,85	0,69	68,0	67,4	62,6	3,6	2,0	2,4	0,00092	6,7	41
3E71M/6D	0,25	930	0,77	2,57	0,67	70,0	69,7	66,0	3,6	2,2	2,5	0,00105	7,5	41
3E80M/6B	0,37	930	1,03	3,8	0,70	74,0	73,8	70,0	4,4	2,1	2,6	0,00240	9,8	43
3E80M/6C	0,55	935	1,47	5,62	0,70	77,2	77,3	74,4	4,3	2,2	2,7	0,00270	10,6	43
3E90S/6B	0,75	945	1,96	7,58	0,70	78,9	79,5	77,6	4,7	2,2	2,7	0,00400	14,6	46
3E90L/6C	1,1	940	2,75	11,2	0,71	81,0	80,8	79,4	5,0	2,2	2,7	0,00480	17,0	46
3E100L/6B	1,5	955	3,5	15	0,75	82,5	82,7	81,4	5,3	2,1	2,8	0,01400	22,5	50
3E112M/6B	2,2	965	4,95	21,7	0,76	84,3	84,5	83,5	5,5	2,2	3,0	0,01900	27,2	56
3E132S/6B	3	970	6,55	29,4	0,77	85,6	85,5	84,5	6,2	2,1	3,0	0,03400	46,5	58
3E132M/6C	4	970	8,52	39,4	0,78	86,8	87,0	85,5	6,2	2,2	3,0	0,03900	51,0	58
3E132M/6D	5,5	970	11,55	54,15	0,78	88,0	88,9	88,5	6,2	2,2	3,0	0,04200	56,0	58
3E160M/6	7,5	970	15	73,8	0,81	89,1	89,0	88,1	6,3	2,2	2,8	0,11000	126	62
3E160L/6	11	970	21,5	108,3	0,82	90,3	90,3	89,0	7,0	2,5	3,2	0,14000	146	62
3E180L/6	15	975	29	147	0,82	91,2	91,2	90,8	6,9	2,6	3,2	0,24000	209	62
3G200L/6a	18,5	975	36,5	181	0,80	91,7	91,6	91,3	7,0	2,6	3,2	0,26000	222	61
3G200L/6b	22	975	43	215	0,80	92,2	92,0	91,7	7,0	2,6	3,2	0,32000	245	61
3G225M/6	30	985	58	291	0,80	92,9	92,9	92,1	7,0	3,3	2,7	0,69000	325	62
3G250M/6	37	987	69	358	0,83	93,3	93,2	92,9	7,0	2,8	2,6	0,99000	440	64
3G280S/6	45	990	92	434	0,75	93,7	93,7	92,9	6,9	3,0	2,8	1,5000	553	65
3G280M/6	55	990	107	531	0,79	94,1	94,1	92,8	7,3	3,3	3,2	1,7000	578	65
3G315S/6	75	992	140	722	0,82	94,6	94,6	94,4	7,2	2,7	3,0	2,9000	805	72
3G315M/6a	90	992	166	866	0,83	94,9	94,9	94,5	7,2	2,7	3,0	3,5000	860	72
3G315M/6b	110	992	198	1058	0,84	95,1	95,1	94,9	7,2	2,7	3,0	4,2000	980	72
3G315L/6	132	992	235	1270	0,85	95,4	95,4	95,2	7,2	2,7	3,0	4,3000	1150	72
3G355M/6a	160	993	290	1538	0,83	95,6	95,6	95,0	7,0	2,4	3,2	6,8000	1185	72

400V 50Hz 3000 rpm / 400V 50Hz 3000 UpM

IE2

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmo-ment	*Moment of Inertia* Trägheits-moment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräusch-pegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	**I_A/I_N**	**M_A/M_N**	**M_K/M_N**	**kgm^2**	**kg**	**dB(A)**
G56/2b*	0,12	2800	0,35	0,41	0,74	64,5	64,1	56,9	4,2	2,5	2,8	0,00012	2,8	42
G63/2a*	0,18	2820	0,5	0,61	0,73	64,4	64,2	57,7	4,6	2,9	2,9	0,00011	3,6	52
G63/2b*	0,25	2840	0,67	0,84	0,63	67,3	67,1	60,9	4,5	2,5	2,9	0,00013	4,0	52
2E71M/2A	0,37	2805	0,9	1,26	0,80	74,2	74,5	72,5	5,0	2,5	2,8	0,00067	5,5	54
2E71M/2B	0,55	2800	1,25	1,87	0,84	75,8	77,0	76,0	5,0	2,4	2,7	0,00086	6,3	54
2E80M/2A	0,75	2850	1,67	2,51	0,83	78,0	79,0	77,5	5,7	2,5	3,0	0,00120	8,7	56
2E80M/2B	1,1	2850	2,36	3,69	0,84	80,1	81,3	80,7	5,8	2,7	3,1	0,00140	9,7	56
2E90S/2A	1,5	2880	3,19	4,98	0,83	81,8	82,6	82,0	6,0	2,4	3,1	0,00200	14,1	60
2E90L/2B	2,2	2860	4,48	7,35	0,85	83,2	85,0	85,0	6,0	2,6	3,1	0,00260	15,5	60
2E100L/2B	3	2900	5,8	9,88	0,88	84,8	85,2	84,7	7,0	2,6	3,4	0,00460	20,8	63
2E112M/2A	4	2910	7,5	13,13	0,89	86,5	87,1	86,8	7,0	2,4	3,6	0,00850	25,7	66
2E132S/2A	5,5	2930	10,2	17,93	0,89	87,4	87,8	87,0	7,5	2,4	3,7	0,01900	41	68
2E132S/2B	7,5	2925	13,6	24,5	0,90	88,5	88,8	88,6	7,6	2,6	3,7	0,02200	45,2	68
2E160M/2A	11	2945	19,5	35,7	0,91	89,5	89,5	88,6	8,5	3,4	3,6	0,03400	105	70
2E160M/2B	15	2945	28,3	48,6	0,85	90,4	90,4	89,7	7,5	3,0	3,5	0,04100	113	70
2E160L/2	18,5	2950	32,3	59,9	0,91	90,9	90,8	90,1	8,2	3,0	3,2	0,05100	135	70
2E180M/2	22	2960	38,3	71	0,91	91,3	91,3	90,8	8,2	3,0	3,5	0,07500	170	70
2G200L/2a	30	2970	52	96	0,91	92,0	92,0	91,2	8,3	2,7	3,0	0,13000	210	73
2G200L/2b	37	2970	65	119	0,89	92,6	92,6	91,7	8,3	2,7	3,0	0,15000	240	73
2G225M/2	45	2975	77	144	0,91	92,9	93,0	91,8	8,7	2,7	3,1	0,23000	343	73
2G250M/2	55	2980	94	176	0,91	93,2	93,7	92,2	8,7	2,9	3,0	0,41000	445	76
2G280S/2	75	2980	127	240	0,91	93,9	94,1	92,5	8,0	2,9	3,2	0,62000	585	76
2G280M/2	90	2980	151	288	0,91	94,2	94,2	92,7	8,5	2,7	3,0	0,74000	645	76
2G315S/2	110	2980	186	353	0,91	94,3	94,3	92,8	8,0	2,5	3,0	1,20000	742	79
2G315M/2a	132	2980	223	423	0,90	94,6	94,5	92,9	8,0	2,5	3,0	1,40000	812	79
2G315M/2b	160	2980	266	513	0,92	94,8	94,8	93,4	8,0	2,5	3,0	1,50000	912	79

***** :*IE1 Data /* IE1 Daten

400V 50Hz 1500 rpm / 400V 50Hz 1500 UpM

IE2

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmo-ment	*Moment of Inertia* Trägheits-moment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräusch-pegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	I_A/I_N	M_A/M_N	M_K/M_N	**kgm²**	**kg**	**dB(A)**
G63/4a*	0,12	1365	0,41	0,84	0,74	57,1	57,1	53,3	3,1	2,0	2,2	0,00017	3,4	43
G63/4b*	0,18	1340	0,6	1,28	0,73	59,7	59,7	55,8	2,9	2,0	2,0	0,00021	3,9	43
2E71M/4B	0,25	1425	0,71	1,68	0,69	74,0	73,5	70,5	4,4	2,0	3,0	0,00080	5,9	46
2E71M/4C	0,37	1425	1,0	2,47	0,70	76,1	75,5	71,5	4,6	2,0	3,0	0,00096	6,7	46
2E80M/4B	0,55	1440	1,45	3,65	0,71	77,1	76,7	75,0	5,2	2,0	3,0	0,00180	9,7	50
2E80M/4C	0,75	1440	1,89	4,97	0,72	79,6	79,2	77,0	5,2	2,0	3,0	0,00220	10,5	50
2E90S/4B	1,1	1440	2,6	7,3	0,75	81,4	81,4	80,5	5,6	2,2	3,1	0,00290	14,4	52
2E90L/4C	1,5	1440	3,4	9,95	0,77	82,8	83,0	82,0	6,0	2,3	3,2	0,00360	17,2	52
2E100L/4B	2,2	1445	4,85	14,6	0,78	84,3	85,3	84,2	6,0	2,1	3,2	0,00800	22,7	54
2E100L/4C	3	1440	6,42	19,89	0,79	85,5	85,7	84,6	6,3	2,3	3,1	0,01100	24,2	54
2E112M/4C	4	1450	8,2	26,35	0,81	86,8	87,4	86,5	6,6	2,5	3,4	0,01300	32	58
2E132S/4B	5,5	1455	11,05	36,1	0,82	87,7	88,6	88,0	6,7	2,6	3,2	0,03000	47,8	62
2E132M/4C	7,5	1460	15	49	0,81	88,7	89,0	89,0	7,0	2,7	3,3	0,03500	54,8	62
2E160M/4B	11	1470	21	71,5	0,84	90,0	90,1	89,3	6,9	2,8	3,1	0,07200	130	63
2E160L/4C	15	1470	29,3	97,4	0,82	90,6	90,7	89,7	7,5	2,6	3,5	0,09200	141	63
2E180M/4	18,5	1475	34,5	120	0,85	91,3	91,4	90,4	7,7	3,2	3,4	0,15000	180	64
2E180L/4	22	1475	42,5	142	0,82	91,7	91,7	90,6	8,3	3,7	3,8	0,17000	190	64
2G200L/4	30	1475	55	194	0,85	92,5	92,6	92,1	8,0	3,1	3,6	0,23000	227	64
2G225S/4	37	1475	67	240	0,86	92,7	92,7	92,2	7,2	3,0	3,0	0,35000	314	64
2G225M/4	45	1475	80	291	0,87	93,3	93,3	92,4	7,3	3,0	3,0	0,44000	360	64
2G250M/4	55	1480	96	355	0,88	93,7	93,8	93,2	7,6	3,1	2,9	0,78000	445	67
2G280S/4	75	1485	133	482	0,87	94,0	94,1	93,4	7,9	2,6	2,8	1,11000	605	67
2G280M/4	90	1485	158	579	0,87	94,3	94,5	93,8	7,4	2,9	3,0	1,32000	665	67
2G315S/4	110	1485	195	707	0,86	94,5	94,5	93,8	7,0	2,3	2,6	2,10000	784	74
2G315M/4a	132	1485	235	849	0,86	94,7	94,5	93,8	7,0	2,3	2,6	2,50000	861	74
2G315M/4b	160	1485	280	1029	0,87	95,0	94,9	94,0	7,0	2,3	2,6	2,70000	882	74

***** : *IE1 Data /* IE1 Daten

400V 50Hz 1000 rpm / 400V 50Hz 1000 Upm

IE2

Type Typ	*Full-load Data* Volllastdaten								*Starting Data* Startdaten		*Breakdown Torque* Kippmoment	*Moment of Inertia* Trägheitsmoment	*B3 Motor Weight* B3 Motor Gewicht	*Noise Level* Geräuschpegel
	Power Leistung	*Speed* Drehzahl	*Current* Nennstrom	*Torque* Drehmoment	*Power Factor* Leistungsfaktor	*Efficiency % η* Wirkungsgrad % η			*Current* Nennstrom	*Torque* Drehmoment				
	kW	*rpm* UpM	**A**	**Nm**	**Cosφ**	**4 / 4**	**3 / 4**	**1 / 2**	**I_A/I_N**	**M_A/M_N**	**M_K/M_N**	**kgm²**	**kg**	**dB(A)**
2E71M/6B	0,18	920	0,6	1,87	0,67	64,5	63,0	57,0	3,2	1,9	2,3	0,00075	5,9	42
2E71M/6C	0,25	920	0,78	2,59	0,69	66,5	66,0	61,0	3,3	1,9	2,3	0,00092	6,6	42
2E80M/6A	0,37	925	1,08	3,82	0,69	71,4	71,5	70,0	4,0	2,0	2,6	0,00190	9,1	45
2E80M/6B	0,55	932	1,5	5,64	0,72	73,5	74,0	71,0	4,2	2,1	2,6	0,00240	9,9	45
2E90S/6A	0,75	940	2,0	7,62	0,71	75,9	76,1	73,1	4,1	2,0	2,6	0,00360	13,3	48
2E90L/6B	1,1	940	2,9	11,18	0,70	78,1	78,3	75,0	4,3	2,1	2,6	0,00400	14,8	48
2E100L/6A	1,5	950	3,72	15	0,73	79,8	80,2	79,5	4,5	2,1	2,6	0,01000	20,2	52
2E112M/6A	2,2	960	5,32	21,9	0,73	81,8	82,0	81,5	5,3	2,1	2,7	0,01400	25	56
2E132S/6A	3	970	6,85	29,6	0,76	83,3	84,0	83,0	5,6	2,0	2,8	0,02800	42	60
2E132M/6B	4	970	8,8	39,38	0,77	85,2	85,7	85,3	5,2	2,1	2,6	0,03400	46	60
2E132M/6C	5,5	965	12	54,4	0,77	86,0	87,2	87,0	5,7	2,1	2,7	0,03900	51	60
2E160M/6	7,5	960	15	74,6	0,83	87,2	87,2	84,5	6,5	2,5	3,0	0,11000	126	62
2E160L/6	11	965	22	108,9	0,81	88,7	88,7	85,7	6,5	2,5	3,0	0,14000	146	62
2E180L/6	15	965	29	148	0,83	89,7	89,7	86,8	6,5	2,4	3,0	0,20000	189	62
2G200L/6a	18,5	975	36,5	181	0,81	90,4	90,4	87,7	7,0	2,5	3,0	0,26000	222	61
2G200L/6b	22	975	43	215	0,81	91,1	91,1	88,4	7,0	2,5	3,0	0,32000	245	61
2G225M/6	30	980	58	292	0,81	91,7	91,7	89,6	7,0	3,0	2,6	0,69000	325	62
2G250M/6	37	985	69	359	0,84	92,2	92,2	90,1	7,0	3,0	2,6	0,99000	440	64
2G280S/6	45	990	92	434	0,76	92,7	92,7	90,9	7,0	3,3	2,6	1,50000	553	65
2G280M/6	55	990	107	531	0,80	93,1	93,1	91,5	7,0	3,3	2,6	1,60000	578	65
2G315S/6	75	990	140	723	0,82	93,7	93,7	92,4	7,0	2,5	3,0	2,50000	727	72
2G315M/6a	90	990	166	868	0,83	94,0	94,0	92,6	7,0	2,5	3,0	3,10000	805	72
2G315M/6b	110	990	198	1061	0,85	94,3	94,3	92,7	7,0	2,5	3,0	3,20000	860	72
2G315L/6a	132	990	235	1273	0,86	94,6	94,6	93,0	7,0	2,5	3,0	3,50000	1020	72
2G315L/6b	160	990	290	1543	0,84	94,8	94,8	93,2	7,0	2,5	3,0	3,80000	1120	72

Notes / Notizen

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