Архангельск (8182)63-90-72
Астана (7172)727-132
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Киргизия (996)312-96-26-47
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Казахстан (772)734-952-31
Пермь (342)205-81-47
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Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93

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КАТАЛОГ



power transmission

k SERIES New Edition 2016

BREVINI GEARMOTORS



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Significato dei simboli	*Key of Symbols*	Erklärung der Bezeichnungen
c_t ..... **:Coefficiente tempo di attivazione.**	c_t ..... *:Coefficient of switch on time.*	c_t ..... : Koeffizient der Betätigung von Schalter
f_s ..... **: Fattore di servizio**	f_s ..... *: Service factor*	f_s ..... : Betriebsfaktor
F_{ama} ..... **: Carichi assiali ammessi sugli alberi in uscita [kN]**	F_{ama} ..... *: Permissible axial loads which can be applied to output shafts [kN]*	F_{ama} ..... : Zulässige Axialkräfte auf Abtriebswelle [kN]
F_{ame} ..... **: Carichi assiali ammessi sugli alberi in entrata [kN]**	F_{ame} ..... *: Permissible axial loads which can be applied to input shafts [kN]*	F_{ame} ..... : Zulässige Axialkräfte auf Antriebswelle [kN]
F_{qam} ..... **: Carichi radiali ammessi sugli alberi in uscita [N]**	F_{qam} ..... *: Permissible radial loads which can be applied to output shafts [N]*	F_{qam} ..... : Zulässige Querkräfte auf Abtriebswelle [N]
F_{qem} ..... **: Carichi radiali ammessi sugli alberi in entrata [N]**	F_{qem} ..... *: Permissible radial loads which can be applied to input shafts [N]*	F_{qem} ..... : Zulässige Querkräfte auf Antriebswelle [N]
F_{qa} ..... **: Carichi radiali applicati sull'albero in uscita [N]**	F_{qa} ..... *: Radial loads applied to the output shaft [N]*	F_{qa} ..... : Querkräfte auf Abtriebswelle [N]
F_{qe} ..... **: Carichi radiali applicati sugli alberi in entrata [N]**	F_{qe} ..... *: Radial loads applied to the input shafts [N]*	F_{qe} ..... : Querkräfte auf Antriebswelle [N]
F_q ..... **: Carichi radiali sull'albero in uscita [N]**	F_q ..... *: Radial loads on output shaft [N]*	F_q ..... : Querkräfte auf Abtriebswelle [N]
F_a ..... **: Carichi assiali sull'albero in uscita [N]**	F_a ..... *: Axial loads on output shaft [N]*	F_a ..... : Axialkräfte auf Abtriebswelle [N]
i ..... **: Rapporto di trasmissione**	i ..... *: Transmission ratio*	i ..... : Übersetzungsverhältnis
J_{ext} ..... **: Momento di inerzia totale sul lato di uscita, ridotto a livello dell'albero motore [kgm²]**	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 ..... **: Coppia trasmessa [N]**	M_2 ..... *: Output torque [N]*	M_2 ..... : Ausgangsdrehmoment [N]
M_a ..... **: Coppia nominale [Nm]**	M_a ..... *: Nominal torque [Nm]*	M_a ..... : Nenndrehmoment [Nm]
n_1 ..... **: Velocità di rotazione in entrata al riduttore [giri/min.]**	n_1 ..... *: Input speed of gearbox [rpm]*	n_1 ..... : Antriebsdrehzahl [U/min]
n_2 ..... **: Velocità di rotazione in uscita dal riduttore [giri/min.]**	n_2 ..... *: Output speed of gearbox [rpm]*	n_2 ..... : Abtriebsdrehzahl [U/min]
P_e ..... **: Potenza equivalente [kW]**	P_e ..... *: Equivalent power [kW]*	P_e ..... : Äquivalente Leistung [kW]
P_N ..... **: Potenza nominale (indicata nelle tabelle prestazionali) [kW]**	P_N ..... *: Nominal power (given on per formance tables) [kW]*	P_N ..... : Getriebe Nennleistung (siehe Leistung- Drehzahltabellen) [kW]
P_M ..... **: Consumo di potenza della macchina azionata dal riduttore (per potenze diverse fare riferimento alla potenza equivalente) [kW]**	P_M ..... *: Power consumption of the driven machine (for alternating power, refer to equivalent power) [kW]*	P_M ..... : Benötigte Leistung an der Ab- triebswelle (Zur Berechnung bei variabler Leistungen äqui- valente Leistung benutzen) [kW]
t ..... **: Tempo [s]**	t ..... *: Time [s]*	t ..... : Zeit [s]
T_e ..... **: Coppia equivalente [Nm]**	T_e ..... *: Equivalent torque [Nm]*	T_e ..... : Minimales Drehmoment [Nm]



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Caratteristiche generali dei riduttori serie K

I riduttori della serie K sono riduttori ad assi ortogonali monoblocco. Sono progettati per applicazioni che richiedono un più alto rendimento e maggiore resistenza. L'albero in entrata e quello in uscita sono perpendicolari tra loro.

Questi riduttori hanno possibilità di connessione flessibili: attacchi IEC B5 o B14, montaggio diretto o integrale con l'albero in entrata.

I riduttori serie K di piccole dimensioni possono essere bi- o tristadio. Quelli di dimensioni maggiori sono costruiti solo nella versione tristadio monoblocco. Utilizzando un doppio corpo, i riduttori serie K possono essere utilizzati per applicazioni che richiedono una forte riduzione fino a 6 stadi.

In sede di progettazione, in Brevini Power Transmission ci lasciamo guidare dai principi seguenti:
- Utilizzo di alta tecnologia
- Affidabilità
- Elevata densità di potenza
- Alto rendimento
- Compatibilità in sede di montaggio
- Soluzioni flessibili

Attenzione ai punti seguenti!

- I disegni hanno scopo puramente indicativo e i dettagli riportati nei disegni o nelle illustrazioni non sono vincolanti.

- Brevini Power Transmission S.p.A. si riserva il diritto di apportare qualsiasi tipo di cambiamento ai prodotti e ai cataloghi senza alcun preavviso.

- Prima della messa in funzione, leggere attentamente e attenersi alle istruzioni operative fornite assieme al riduttore.

- Le quantità di olio indicate sono solo indicative. L'esatta quantità di olio andrà verificata con l'aiuto dei tappi di livello olio forniti, a seconda delle posizioni di montaggio. Per conoscere la giusta viscosità dell'olio, si veda la targhetta applicata sull'apparecchio.

- Se nell'ordine di acquisto non è specificata la posizione di montaggio richiesta, il riduttore verrà fornito con posizione di montaggio M1. L'utilizzo del riduttore in una posizione di montaggio diversa da quella indicata sulla targhetta comporta il decadimento della garanzia. I pesi indicati nel presente catalogo sono valori medi. Il peso può variare in funzione del rapporto e degli accessori.

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 strength required operations. Input and output shafts are perpendicular to each other.

K Series have flexible connection possibilities which consists of IEC B5 or B14 connection, directly mounted or solid with the input shaft options .

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

As Brevini Power Transmission S.p.A.,our design principals are:
- Use of high technology
- Reliability
- High power density
- High efficiency
- Compatible mounting
- Flexible solutions

Attention to the following points !

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

- Brevini Power Transmission S.p.A. reserve the right to make all kinds of changes in products and catalogs 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 to the mounting positions. For correct oil viscosity refer to the nameplate.

- If the mounting position is not communicated in the order, the gear unit is delivered according to **M1** *mounting position. A different operation than the indicated mounting position on the name plate cancels the warranty. The weights given in this catalog 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 Monoblok-Gehäuse. Eingang- und Ausgangswelle sind senkrecht zueinander. Diese Getriebe sind für Einsatzgebiete geeignet bei denen ein hoherWirkungsgrad und eine hohe Festigkeit benötigt werden.
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 wo große. K Serie Getriebe nur als drei Stufen hergestellt sind. K serien Getriebe können für hohe Untersetzungen mit Hilfe eines zusätzlich gekoppelten Gehäuses bis zu sechs Stufen produziert werden.

Als Brevini Power Transmission S.p.A. unsere Entwurfsprinzipien sind;
- Verwenden von hohen Fertigungstech.
- Hohe Betriebssicherheit
- Leistungsdichte
- Hoher Wirkungsgrad
- Universale Montagemöglichkeit
- Sonderlösungen

Bitte folgende Punkte beachten !

- Die Abbildungen sind beispielhaft und nicht verbindlich.

- Alle-Änderungen auf dem Katalog und an der Produkte bleiben vorbehalten und können ohne Kenntnisnahme erfolgen.

- Vor Inbetriebnahme ist die mit gelieferter 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.



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Spiegazioni tecniche

- Coppia trasmessa (M_2): [Nm]
Moltiplicando la coppia in uscita dal motore per il rapporto di trasmissione e il rendimento si ottiene la coppia trasmessa a livello dell'albero in uscita dal riduttore.

- Coppia nominale (M_a): [Nm]
La coppia nominale è la coppia meccanica a cui il riduttore è in grado di resistere in condizioni di f_s=1.

- Potenza nominale (P_e): [kW]
La potenza nominale è la potenza a cui il riduttore, sottoposto a sollecitazioni meccaniche, è in grado di resistere in condizioni di f_s=1. I valori della potenza nominale sono indicati nelle tabelle prestazionali.

- Rapporto (i):
Rapporto tra il numero di giri dell'albero in uscita e quello dell'albero in entrata. I rapporti disponibili per i riduttori Brevini Power Transmission S.p.A. serie M sono compresi tra 3,5 e 23.500.

- Potenza e coppia equivalente
P_{eq}: [kW],T_e [Nm]
Per i riduttori con velocità di rotazione costante ma condizioni di lavoro variabili: corrisponde alla potenza o alla coppia calcolata, equivalente ai valori di esercizio in condizioni di lavoro costanti.

- Potenza richiesta (P_M): [kW]
Potenza richiesta per le applicazioni, necessaria per azionare il sistema.

- Coppia richiesta (T): [Nm]
Coppia richiesta per le applicazioni. La coppia richiesta deve sempre essere uguale o inferiore alla coppia in uscita per il riduttore scelto.

- Carichi assiali e radiali ammessi:
Fqem, Fqam [N]
Carico assiale e radiale ammesso sull'albero in uscita o in entrata dei riduttori.

- Fattore di servizio (f_s):
Il fattore di servizio è un coefficiente di sicurezza che tiene conto delle diverse condizioni di lavoro della macchina azionata. In presenza di carichi uniformi per 8 ore di funzionamento al giorno e fino a 100 cicli all'ora si utilizza il fattore f_s=1.

Caratteristiche tecniche:

- Livello di rumorosità:
Il livello di rumorosità dei nostri riduttori è inferiore ai valori ammessi così come definiti nella direttiva VDI 2159 per i riduttori.

- Verniciatura e protezione contro la corrosione:
I riduttori sono verniciati con vernice di colore RAL 7031 in accordo alla DIN1843. Su richiesta, sono disponibili altri colori. Su richiesta, sono disponibili anche verniciature idonee per ambienti ad alto tasso di umidità o chimicamente aggressivi.

Technical Explanations

- Output Torque (M_2): [Nm]
Multiplication of motor output torque by transmission ratio and efficiency gives the output torque result 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 the gearbox can mechanically 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 Brevini Power Transmission S.p.A. M 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 working values 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. The required torque always must be equal or minor than the output torque for the selected gearbox.

- Permissible Axial and Radial Loads:
Fqem, Fqam [N]
Permissible axial and radial 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 working conditions of the driven machine. f_s=1 is used for uniform loads 8 working hours per day and up to 100 cycles 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 to DIN1843. Different colors are available upon request. Paint coating 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 von Ausgangsmoment der Getriebe.

- Nennmoment (M_a): [Nm]
Mechanisches Belastungsmoment der Getriebe unter dem 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 Brevini Power Transmission S.p.A. M Serie Getrieben liegt zwischen 3,5 bis 23500.

- Äquivalente Leistung und Moment
P_{eq}: [kW], T_e [Nm]
Für mit konstanten 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]
Notwendige Moment für Anwendungen. Für den ausgewählte Getriebe soll das notwendige Moment gleich dem Ausgangsmoment oder kleiner als diesem Moment sein.

- Zulässige Axial- oder Querkräfte:
Fqem, Fqam [N]
Bei der Anwendungen während der Betrieb zulässige 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 arbeitet. f_s=1 gilt für gleichförmig Belastung, mit 8 Betriebsstunden pro Tag und bis zum 100 Schaltungen pro Stunde.

Technische Informationen:

- Geräuschpegel:
Geräuschstärken aller Getriebe bleiben unter die zulässigen Werte, 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.



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- Lubrificazione:

I riduttori della serie K utilizzano i tipi di olio riportati nelle tabelle di lubrificazione. Per maggiori informazioni sulla lubrificazione, fare riferimento alla sezione dedicata.

- Accessori:

I riduttori della serie K possono essere corredati dei seguenti accessori.
- Flangia di connessione motore IEC B5
- Flange di uscita
- Giunti ad attrito
- Dispositivi antiritorno
- Guarnizioni speciali di tenuta
- Indicatore livello olio trasparente
- Braccio di torsione
- Freni elettromagnetici.

Per altri accessori, si prega contattare Brevini Power Transmission S.p.A..

- Lubrication:

K series gearboxes are filled with oils indicated on the 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, Brevini Power Transmission S.p.A..

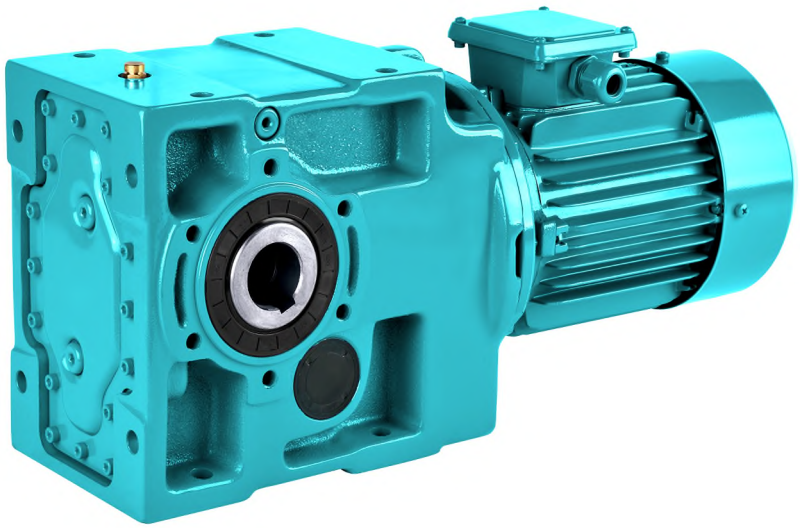
- Schmierung:

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 mit, Brevini Power Transmission S.p.A..






transmission
power
brevini

Designazione unità / *Unit Designation* / Typenbezeichnung

K R 3 7 3 . 02 R - M2 T1 - 3 E90S / 4C - L05

Freno / *Brake* / Bremse

L-220 V **Con ventola** / *With Fan* / Mit Lüfter	**00**- 5 Nm	**10**- 100 Nm
P-24 V **Con ventola** / *With Fan* / Mit Lüfter	**01**- 10 Nm	**20**- 200 Nm
S-220 V **Senza ventola** / *Without Fan* / Ohne Lüfter	**02**- 25 Nm	**30**- 300 Nm
Z-24 V **Senza ventola** / *Without Fan* / Ohne Lüfter	**04**- 40 Nm	**40**- 400 Nm
	05- 50 Nm	**50**- 500 Nm

Numero di poli / *Number of poles* / Anzahl der Polen

Grandezza motore / *Motor Size* / Motorbaugröße

Per tipi KV / *For KV types* / Für typen KV

E90 S / 4

- **Numero di poli** / *Pole Number* / Anzahl der polen
- **Lunghezza corpo** / *Frame Length* / Gehäuselänge
- **Grandezza motore** / *Motor size* / Motorbaugröße
- **Tipo di motore** / *Motor type* / Motortyp

Per tipi KN / *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	

Classe di efficienza del motore / *Motor efficiency class* / Motor-Effizienzklasse

Posizione braccio di torsione / *Torque Arm Position* / Position von Drehmomentstütze

Vedere alle pagine 471 e 472 / Please see pages 471 and 472 / Siehe seite 471 und 472

Posizione di montaggio / *Mounting Position* / Bauform

Vedere a pagina 34 / *Please see page 34* / Siehe seite 34

Albero in uscita - Posizione flangia / *Output Shaft - Flange Position* / Ausgangswelle - Seite von der Flansch

Caratteristiche dell'uscita / *Output Specification* / Eigenschaft der Ausgang

00 : **Albero in uscita cavo** / *Hollow output shaft* / Standarte Ausführung mit Hohlwelle
01 : **Albero in uscita pieno** / *Solid output shaft* / Vollwelle
02 : **Albero in uscita pieno con flangia** / *Solid output shaft with Flange* / Mit Flansch und Abtriebsvollwelle
03 : **Albero in uscita flangiato e cavo** / *Flanged and hollow output shaft* / Mit Flansch und Hohlausgangswelle
04 : **Con doppio albero in uscita**/ *With double output shaft* / Mit doppelte Abtriebswelle
05 : **Doppio albero in uscita e doppia flangia** / *Double flanged and double output shaft* / Mit doppelte Flansch unf doppelte Abtriebswelle
08 : **Doppio albero cavo in uscita e doppia flangia** / *Double flanged and hollow output shaft* / Doppelte Flansch und Aufsteckenwelle
0S : **Giunto ad attrito all'uscita** / *Shrink disk output* / Schrumpfscheibe
0E : **Estrusore all'uscita** / *Extruder output* / Extruder-Ausgang

Stadio / *Stage* / Anzahl der Stufen

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

Numero revisione / *Revision Number*/ Änderungsnummer

Grandezza corpo / *Housing Size* / Größe von Gehäuse

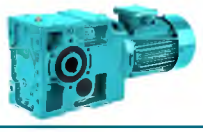
0...8

Tipo entrata / *Input Type* / Eingangstyp

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

Tipo riduttore / *Gearbox Type* / Getriebe

Serie K / *K Series*/ K Serie

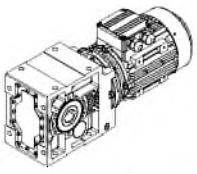
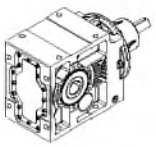
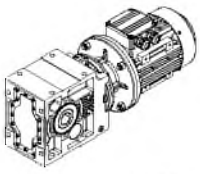
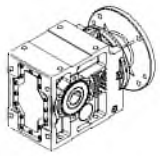
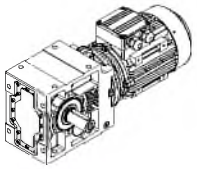
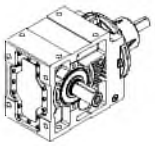
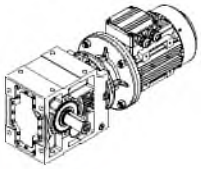
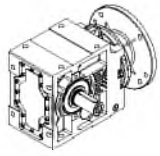
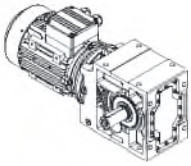
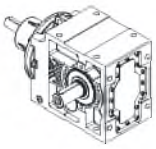
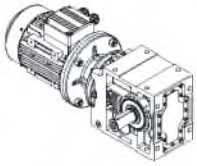
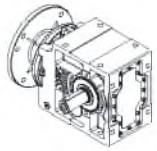
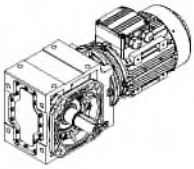
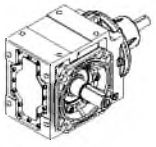
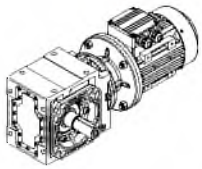
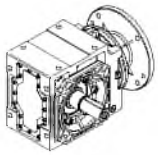
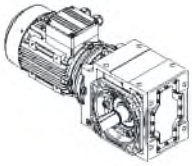
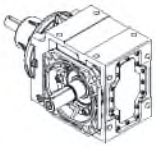
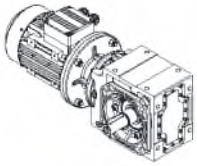
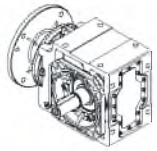
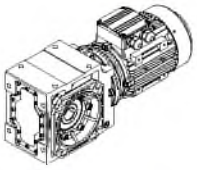
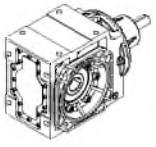
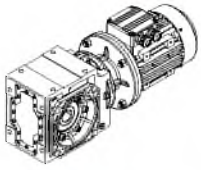
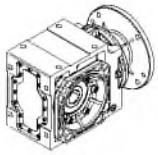
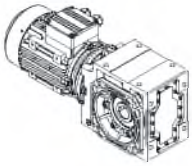
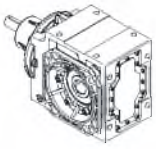
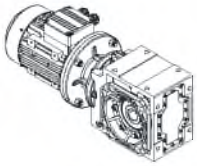
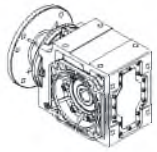
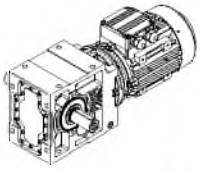
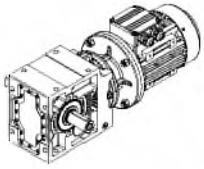
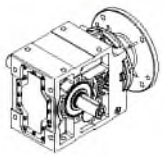
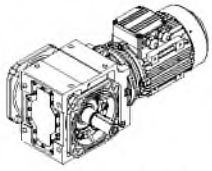
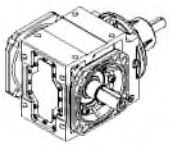
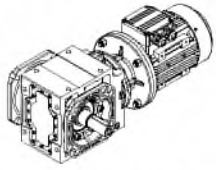
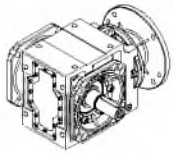
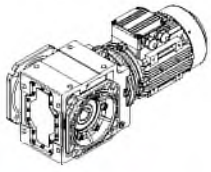
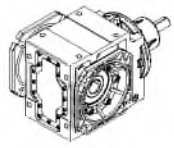
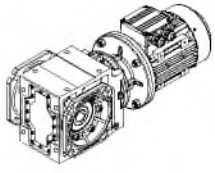
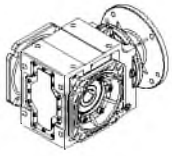


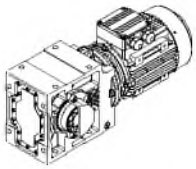
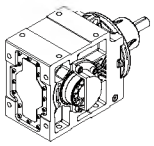
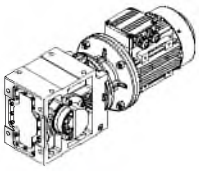
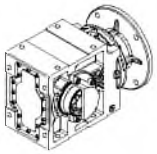
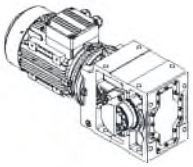
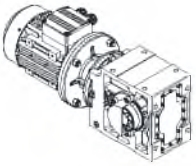
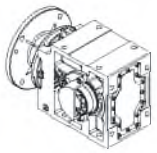
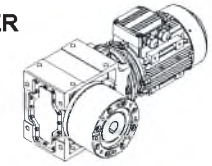
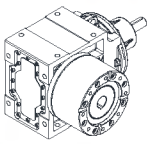
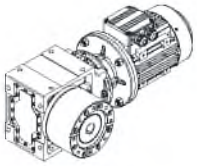
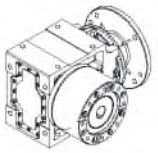
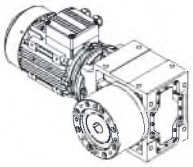
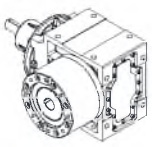
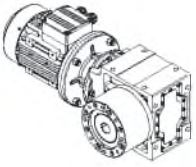
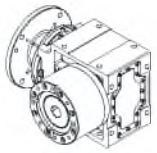
Informazioni generali
General Information
Einführung

Designazione unità / *Unit Designation* / Typenbezeichnung

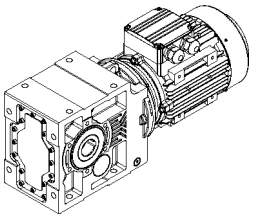
KR..00..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, albero in uscita cavo** / *Bevel-Helical type geared motors, Direct coupled motor, Hollow shaft output*/ Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Hohlwelle.
KR..01..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, albero in uscita pieno** / *Bevel-Helical type geared motors, Direct coupled motor, solid output shaft* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Vollwelle.
KR..02..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, albero in uscita pieno e flangia** / *Bevel-Helical type geared motors, Direct coupled motor, Solid output shaft and output flange* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Vollwelle und Flasch.
KR..03..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, albero in uscita cavo e flangia** / *Bevel-Helical type geared motors, Direct coupled motor, Hollow output shaft and output flange* / Kegelradgetriebe,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KR..04..	**Riduttori ad assi ortogonali, motore ad accoppiamento diretto, doppio albero in uscita,** / *Bevel-Helical type gearboxes, Direct coupled motor, double output shaft,* / Kegelradgetriebe, Verbunden mit Motor, mit doppelter Ausgangswelle
KR..05..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, doppio albero cavo in uscita e doppia flangia.** / *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..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, doppio albero cavo in uscita e doppia flangia.** / *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..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, giunto ad attrito all'uscita** / *Bevel-Helical type geared motors Direct coupled motor, Shrink disk output* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Schrumpfscheibe
KR..0E..	**Motoriduttori ad assi ortogonali, motore ad accoppiamento diretto, estrusore all'uscita** / *Bevel-Helical type geared motors Direct coupled motor, extruder output* / Kegelradgetriebe, Verbunden mit Motor, Ausgang mit Extruder
KN..00..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14, senza motore, albero cavo all'uscita** / *Bevel-Helical type gearboxes, IEC B5/B14 flanged input, without motor, hollow output shaft* / Flachgetriebe, ohne Motor mit IEC B5/B14 Flansch , Ausgang mit Hohlwelle.
KN..01..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, albero pieno all'uscita** / *Bevel-Helical type gearboxes,IEC B5/B14 flanged input without motor, Solid output shaft* / Flachgetriebe, ohne Motor mit IEC B5/B14 Flansch, Ausgang mit Vollwelle.
KN..02..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, albero pieno all'uscita e flangia** / *Bevel-Helical type gearboxes, IEC B5/B14 flanged input without motor, Solid output shaft and output flange* / Flachgetriebe, ohne Motor mit IEC B5/B14 Flansch, Ausgang mit Vollwelle und Flansch.
KN..03..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, albero cavo all'uscita e flangia** / *Bevel-Helical type gearboxes, IEC B5/B14 flanged input without motor, Hollow output shaft and output flange* / Flachgetriebe, ohne Motor mit IEC B5/B14, Ausgang mit Hohlwelle und Flansch.
KN..04..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, doppio albero all'uscita,** / *Bevel-Helical type gearboxes, IEC B5/B14 flanged without motor, double output shaft,* / Flachgetriebe, ohne Motor mit IEC B5/B14, mit doppelter Ausgangswelle
KN..05.	**Motoriduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, doppio albero cavo all'uscita e flangia.** / *Bevel-Helical type geared motors, IEC B5/B14 flanged input without motor, double hollow output shaft and output flange.* / Flachgetriebemotoren,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KN..08..	**Motoriduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, doppio albero cavo all'uscita e doppia flangia.** / *Bevel-Helical type geared motors, IEC B5/B14 flanged input without motor ,double hollow output shaft and double output flange.* / Flachgetriebemotoren,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KN..0S..	**Motoriduttori ad assi ortogonali, flangiati IEC B5/B14 senza motore, giunto ad attrito all'uscita** / *Bevel-Helical type geared motors IEC B5/B14 flanged without motor, Shrink disk Output* / Flachgetriebemotoren, ohne Motor mit IEC B5/B14, Ausgang mit Schrumpfscheibe
KN..0E..	**Motoriduttori ad assi ortogonali, flangiati IEC B5/B14 senza motore, estrusore all'uscita** / *Bevel-Helical type geared motors IEC B5/B14 flanged without motor, extruder output* / Flachgetriebemotoren, ohne Motor mit IEC B5/B14, Ausgang mit Extruder.
KV..00..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, albero cavo all'uscita** / *Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, hollow output shaft* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle.
KV..01..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, albero pieno all'uscita** / *Bevel-helical type gearboxes,IEC B5/B14 flanged input with coupled motor, solid output shaft* / Flachgetriebe,Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Vollwelle.
KV..02..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, con albero pieno all'uscita e flangia** / *Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, with solid output shaft and output flange* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Vollwelle und Flansch.
KV..03..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, albero cavo all'uscita e flangia** / *Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, Hollow output shaft and output flange* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flasch.
KV..04..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, doppio albero all'uscita,** / *Bevel-Helical type gearboxes, IEC B5/B14 flanged input with coupled motor, double output shaft,* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, mit doppelter Ausgangswelle
KV..05..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento al motore, doppio albero all'uscita e doppia flangia** / *Bevel-helical type gearboxes, IEC B5/B14 flanged input with coupled motor, double output shaft and double output flange* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flansch.
KV..08..	**Motoriduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con accoppiamento diretto al motore, doppio albero cavo all'uscita e doppia flangia.** / *Bevel-Helical type geared motors, IEC B5/B14 flanged input with direct coupled motor, double hollow output shaft and double flange output.* / Flachgetriebemotoren,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KV..0S..	**Motoriduttori ad assi ortogonali flangiati IEC B5/B14 con accoppiamento diretto al motore, giunto ad attrito all'uscita** / *Bevel-Helical geared motors IEC B5/B14 flanged with direct coupled motor, Shrink disk output* / Flachgetriebemotoren, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Schrumpfscheibe
KV..0E..	**Motoriduttori ad assi ortogonali flangiati IEC B5/B14 con accoppiamento diretto al motore, estrusore all'uscita** / *Bevel-Helical geared motors IEC B5/B14 flanged with direct coupled motor, Extruder Output* / Flachgetriebemotoren, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit extruder.
KT..00..	**Riduttore ad assi ortogonali, albero pieno all'entrata senza motore, albero cavo all'uscita** / *Bevel-Helical geared unit, Solid shaft input without motor, Hollow output shaft* / Flachgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Hohlwelle.
KT..01..	**Riduttori ad assi ortogonali, albero pieno all'entrata senza motore, albero pieno all'uscita** / *Bevel-Helical geared units, Solid shaft input without motor, Solid output shaft* / Flachgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Vollwelle.
KT..02..	**Riduttori ad assi ortogonali, albero pieno in entrata senza motore, albero pieno all'uscita e flangia** / *Bevel-Helical geared units, Solid shaft input without motor, Solid output shaft and flange output* / Flachgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Vollwelle und Flansch.
KT..03..	**Riduttori ad assi ortogonali, albero pieno in entrata senza motore, albero cavo all'uscita e flangia** / *Bevel-Helical geared units, solid shaft input without motor, Hollow output shaft and output flange* / Flachgetriebe, Eingang mit Vollwelle ohne Motor, Ausgang mit Hohlwelle und Flansch.
KT..04..	**Riduttori ad assi ortogonali, albero pieno in entrata, doppio albero in uscita,** / *Bevel-Helical type gearboxes, solid input shaft, double output shaft, Flachgetriebe, Eingang mit Vollwelle,* mit doppelter Ausgangswelle
KT..05..	**Riduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 senza motore, doppio albero all'uscita e doppia flangia** / *Bevel-helical type gearboxes, IEC B5/B14 flanged input without motor, double output shaft and double output flange* / Flachgetriebe, Verbunden mit IEC B5/B14 Motorverbindung, Ausgang mit Hohlwelle und Flasch.
KT..08..	**Motoriduttori ad assi ortogonali, ingresso flangiato IEC B5/B14 con motore, doppio albero cavo all'uscita e doppia flangia** / *Bevel-Helical type geared motors, IEC B5/B14 flanged input with, double hollow output shaft and double flange output.* / Flachgetriebemotoren,Verbunden mit Motor, Ausgang mit Hohlwelle und Flansch.
KT..0S..	**Motoriduttori ad assi ortogonali, albero pieno in entrata senza motore, giunto ad attrito all'uscita**/ *Bevel-Helical geared motors, Solid shaft input without motor, Shrink Disk Output* / Flachgetriebe, ohne Motor, Ausgang mit Schrumpfscheibe
KT..0E..	**Motoriduttori ad assi ortogonali, albero pieno in entrata senza motore, estrusore all'uscita**/ *Bevel-Helical gear motors, Solid shaft input without motor, Extruder Output* / Flachgetriebe, ohne Motor, Ausgang mit Extruder.

Designazione unità / *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 

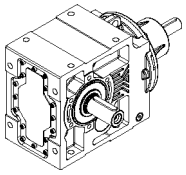
KR..0SR 	**KT..0SR** 	**KV..0SR** 	**KN..0SR** 
KR..0SL 	**KT..0SL** 	**KV..0SL** 	**KN..0SL** 
KR..0ER 	**KT..0ER** 	**KV..0ER** 	**KN..0ER** 
KR..0EL 	**KT..0EL** 	**KV..0EL** 	**KN..0EL** 

Esempi di designazione
KR273.00-3E90S/4-L05



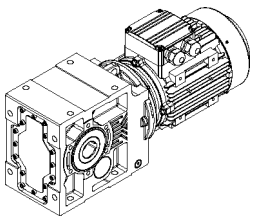
K : Riduttore serie K
R : Con connessione motore
2 : Grandezza riduttore
7 : Numero revisione
3 : Numero stadi
E : Tipo di motore
00 : Albero cavo all'uscita
90S/4 : Grandezza motore
L05 : Tipo di freno

KT373.01L



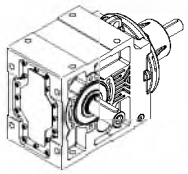
K : Riduttore serie K
T : Albero pieno all'entrata
3 : Grandezza riduttore
7 : Numero revisione
3 : Numero stadi
01 : Albero pieno all'uscita
L : Albero cavo in uscita a sinistra
R : Albero cavo in uscita a destra

Sample Designations
KR273.00-3E90S/4-L05



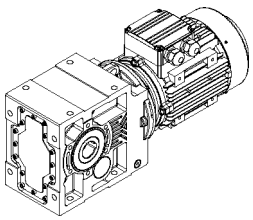
K.....: K serie of gearbox
R.....: Direct motor coupled
2.....: Gear unit size
7.....: Revision number
3.....: Stage number
E.....: Motor type
00.....: Hollow shaft output
90S/4.....: Motor frame size
L05.....: Brake type

KT373.01L



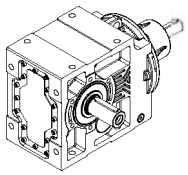
K.....: K series of gearbox
T.....: Solid input shaft
3.....: Gear unit size
7.....: Revision number
3.....: Stage number
01.....: Solid output shaft
L.....: Left side output shaft
R.....: Right side output shaft

Typenbezeichnungsbeispiele
KR273.00-3E90S/4-L05



K.....: K Serie Getriebe
R.....: Motorverbindung
2.....: Größe von Gehäuse
7.....: Änderungsnummer
3.....: Stufenanzahl (2 stufig)
E.....: Motortyp
00.....: Hohlausgangswelle
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

Combinazioni di rapporti geometricamente possibili, in funzione della grandezza del motore
Geometrically Possible Ratios Combinations According to Motor Size
Geometrisch mögliche Kombinationen von Übersetzungen nach Motorbaugröße

Grandezza motore / *Motor Size* / Motorbaugröße

Tipo *Type* Typ	**Stadi** *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	6,94-83,48	6,94-83,48	6,94-72,92	6,94-50,51	-
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	-	-	-
KR373..	3	-	7,73-9,97 14,44-21,90 33,65-148,75	7,73-9,97 14,44-21,90 33,65-110,61	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	509,34-971,77	-
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	-	547,17-3203,12	547,17-3203,12	547,17-3203,12	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	-	-	-	-	-	-	-
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

Combinazioni di rapporti geometricamente possibili, in funzione della grandezza del motore
Geometrically Possible Ratios Combinations According to Motor Size
Geometrisch mögliche Kombinationen von Übersetzungen nach Motorbaugröße

Grandezza motore / *Motor Size* / Motorbaugröße

Tipo *Type* Typ	**Stadi** *Stages* Stufen	**160**	**180**	**200**	**225**	**250**	**280**
KR002..	2	-	-	-	-	-	-
KR003..	3	-	-	-	-	-	-
KR102..	2	-	-	-	-	-	-
KR103..	3	-	-	-	-	-	-
KR202..	2	-	-	-	-	-	-
KR203..	3	-	-	-	-	-	-
KR273..	3	-	-	-	-	-	-
KR275..	5	-	-	-	-	-	-
KR276..	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	-	-	-	-	-	-

Fattore di servizio

Il fattore di servizio (fs) è un coefficiente di sicurezza che tiene conto delle diverse condizioni di lavoro della macchina azionata dal riduttore. In presenza di carichi uniformi per 8 ore di funzionamento al giorno e fino a 100 avviamenti all'ora si utilizza il fattore "fs=1".

Il fattore di servizio dipende da:

- **Tempo di funzionamento**
- **Natura del carico**
- **Frequenza di avviamento**
- **Tipo di azionamento**
- **Altre considerazioni**

Per stabilire quale sia il giusto fattore di servizio per la propria macchina:
1. Determinare il tempo di funzionamento della macchina che viene azionata dal riduttore.
2. Selezionare la natura del carico della macchina che viene azionata (Pagina 17-18).

- **U - Carichi uniformi**
- **M - Carichi moderati**
- **H - Carichi con forti urti**

Per ottimizzare la scelta, si può calcolare la natura del carico utilizzando le formule a pagina 18.
3. Determinare la frequenza di avviamento.
4. Dopo aver determinato i fattori di cui sopra, si può facilmente ricavare il fattore di servizio dalla tabella qui sotto.
6. Il fattore di servizio scelto va poi moltiplicato per il fattore "k", il cui valore dipende dal tipo di azionamento;

k=1 : **Motore elettrico o idraulico**
k=1,25 : **Motore multicilindrico a combustione interna**
k=1,5 : **Motore monocilindrico a combustione interna**

Service Factor

Service Factor (fs) is a safety coefficient, which takes into account the different operating 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:

- *Operating time*
- *Nature of load*
- *Start-up frequency*
- *Driver type*
- *Other considerations*

For the right selection of the needed service factor for your machine;
1. Determine the driven machine operation time .

2. Select the nature of load of the 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 start-up frequency.
4. After determining the above mentioned factors, the service factor can be easily selected from the table given bellow.
5. The selected service factor multiplied by ''k"' factor according to the driver type;

k=1 :*Electric motor or Hydrolic motor*
k=1.25 :*Multi-cylinder internal combustion engine*
k=1.5 :*Single cylinder inside the 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 die richtigen Betriebsfaktor festzulegen;

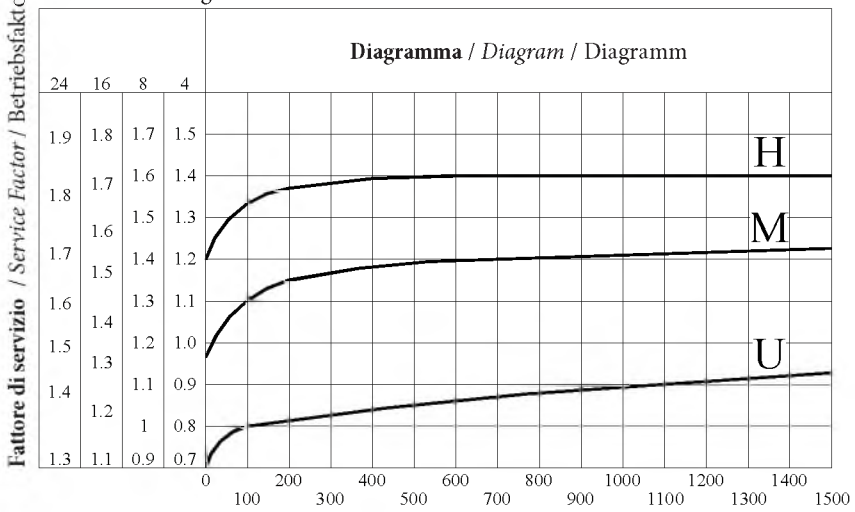
1. Betriebsdauer der angetriebenen Maschine bestimmen.
2. Belastungsart der angetriebenen Maschine auswählen.

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

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

Tempo di Funzionamento ore / Giorno
Operating Time hour / Day
Laufzeit Std. / Tag



Cicli / Ora
Cycle / Hour
Schaltungen / Std.



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Classificazione dei carichi		*Load Classification*		Belastungsart	
Gru:		***Cranes:***		**Krananlagen:**	
U	**- Meccanismi di montacarico**	*U*	*- Hoist Gears*	U	- Einziehwerke
	- Meccanismi di sollevamento		*- Lifting Gears*		- Hubwerke
M	**- Meccanismo del braccio di trivellazione**	*M*	*- Defrocking jib Gears*	M	- Schwenkwerke
			- Slowing Gears		- Wippwerke
	- Meccanismi girevoli	*H*	*- Traveling Gears*	H	- Fahrwerke
H	**- Meccanismi di traslazione**				
Pompe:		***Pumps:***		**Pumpen:**	
U	**- Pompe centrifughe (liquidi leggeri)**	*U*	*- Centrifugal Pumps (light liquids)*	U	- Kreiselpumpen (leichte Flüssigkeit)
M	**- Pompe centrifughe (liquidi viscosi)**	*M*	*- Centrifugal Pumps (semi liquid)*	M	- Kreiselpumpen (zahe Flüssigkeit)
H	**- Pompe a pressione**	*H*	*- Pressure Pumps*	H	- Prebpumpen
	- Pompe a pulsante		*- Plunger Pumps*		- Plungerpumpen
Macchine per la lavorazione della pietra e dell'argilla:		***Stone and Clay Working Machines:***		**Stein- und Erdebearbeitende Maschine**	
H	**- Mulini a martelli**	*H*	*- Hammer Mills*	H	- Hammermühler
	- Forni rotanti		*- Rotary Kilns*		- Drehofen
	- Laminatoi per raffinare		*- Beater Mills*		- Schlagmühlen
	- Interruttori		*- Breakers*		- Brecher
	- Mulini a palle		*- Ball Mills*		- Kugelmühlen
	- Presse per mattoni		*- Brick Presses*		- Ziegelpressen
	- Mulini a martelli		*- Hammer Mills*		- Rohrmühlen
Macchine tessili:		***Textile Machines:***		**Textilmaschinen:**	
M	**- Macchine per la stampa e la tintura**	*M*	*- Printing and Dyeing Machines*	M	- Drukerei
	- Telai per tessitura		*- Looms*		- Farbereimachinen
	- Battitoi		*- Willow*		- Aufwickler
	- Dosatori		*- Batchers*		- Webstuhle
	- Vasche per la concia		*- Tanning Vats*		- Gerbfasser
					- Reibwolfe
Industria petrolifera:		***Oil Industry:***		**Erdölgewinnung:**	
M	**- Pompe conduttrici**	*M*	*- Pipeline Pumps*	M	- Pipline Pumpen
	- Attrezzatura trapanatrice rotante		*- Rotary Drilling Equipment*		- Rotative Bohranlagen
Industria alimentare:		***Food Industry:***		**Nahrungsmittelmachinen:**	
M	**- Coltelli per canna da zucchero**	*M*	*- Sugar cane Knives*	M	- Rohrschneiden
	- Frantumatori di canna da zucchero		*- Sugar cane Crushers*		- Knetmaschinen
	- Serbatoi di fermentazione del vino		*- Wine fermenter tank*		- Maichen
H	**- Macine per canna da zucchero**	*H*	*- Sugar cane mills*	H	- Rohrmühlen
Lavanderie:		***Laundries:***		**Waschereimaschinen:**	
M	**- Invertitori**	*M*	*- Tumblers*	M	- Trommeltrockner
	- Lavatrici		*- Washing Machines*		- Waschmaschinen
Laminatoi per metalli:		***Metal Rolling Mills:***		**Walzwerke:**	
M	**- Comandi di regolazione rulli**	*M*	*- Roller Adjustment Drives*	M	- Rollenrichtmaschinen
	- Raddrizzatrici a rulli		*- Roller Straightened*		- Walzenantriebe
	- Macchine avvolgitrici		*- Winding Machines*		- Drahtzuge
	- Banchi da disegno a filo		*- Wire Drawing Benches*		- Haspeln
H	**- Cesoie per laminatoi**	*H*	*- Billet Shears*	H	- Blechscheren
	- Tavole a rulli (pesanti)		*- Rotary Tables (heavy)*		- Rollgänge (schwer)
	- Treni sbozzatori e lingotti		*- Descaling Machines,*		- Knüppelscheren
	- Laminatoi per lamiera		*- Sheet Mills*		- Schöpfscheren
	- Manipolatori		*- Manipulators*		- Stranggubanlagen
	- Laminatoi a freddo		*- Cold Rolling Mills*		- Kaltwälzwerke



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Macchine per costruzione:	***Building Machines:***	**Baumaschinen:**
M - **Betoniere**	*M - Concrete Mixers*	M - Betonmischermaschinen
- **Montacarichi**	*- Hoist*	- Bauaufzüge
Macchine per la carta:	***Paper Machines:***	**Papiermaschinen:**
H - **Presse a umido**	*H - Wet Presses*	H - Naßpressen
- **Spappolatori**	*- Pulpers*	- Gautschen
- **Tamburi essiccatori**	*- Drying Cylinders*	- Trockenzylinder
- **Cilindri essiccatori**	*- Glazing Cylinders*	- Glattzylinder
Macchinari per la gomma:	***Rubber Machinery:***	**Kunststoffmaschinen:**
M - **Calandre**	*M - Calenders*	M - Kalender
- **Miscelatori**	*- Mixers*	- Mischer
H - **Estrusori**	*H - Extruders*	H - Extruder
- **Impastatrici**	*- Pug Mills*	- Knetwerke
- **Laminatoi**	*- Rolling Mills*	- Walzwerke
Industria chimica:	***Chemical Ind.:***	**Chemische İndustrie:**
M - **Agitatori (materiali semi-liquidi)**	*M - Agitators (semi- liquid)*	M - Rührwerke (leichte Flüssig.)
- **Tamburi di essicazione**	*- Drying Drums.*	- Trockentrommeln
- **Miscelatori e laminatoi**	*- Mixers and Rolling Mills*	- Mischer und Walzwerke
Convogliatori:	***Conveyors:***	**Förderanlagen:**
M - **Convogliatori nastro a sacca**	*M - Band Pocket Conveyors*	M - Gurttaschenbecherwerke
- **Convogliatori a nastro d'acciaio**	*- Steel Belt Conveyors*	- Stahlbandförderer
- **Convogliatori a nastro**	*- Belt Conveyors*	- Gurtbandförderer (Schüttgut)
H - **Montacarichi**	*H - Hoists*	H - Schrägaufzüge
- **Convogliatori a nastro per materiali alla rinfusa**	*- Bulk Belt Conveyors*	- Gurtbandförderer(Stückgut)

U	**Carichi uniformi** *Uniform Loads* Gleichförmige Last	$F_i < 0,25$
M	**Carichi moderati** *Moderate Loads* Ungleichförmige Last	$F_i < 3$
H	**Carichi con forti urti** *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} : **Momento d'inerzia esterno ridotto all'albero motore**
External moments of inertia reduced to the motor shaft
Externe Massenträgheitsmomente reduziert auf Motorwelle

i : **Rapporto di trasmissione**
Transmission ratio
Übersetzung

J_{rotor} : **Momento d'inerzia al motore**
Moments of inertia to the motor
Massenträgheitsmoment

Senso di rotazione

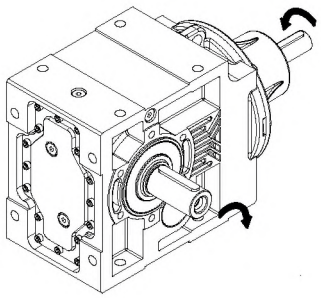
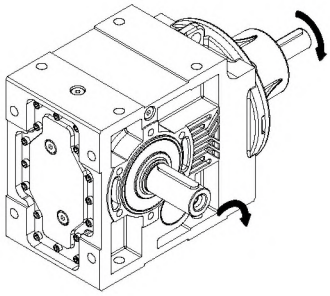
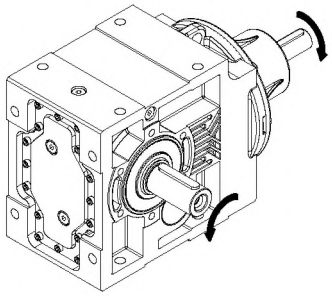
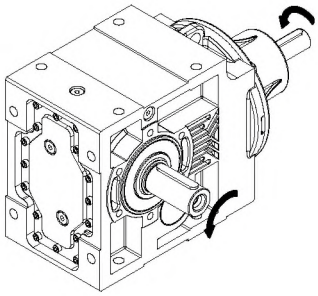
Il senso di rotazione dei prodotti Brevini serie K è definito come segue. Queste definizioni sono valide anche per i riduttori con dispositivo antiritorno.

Direction of Rotation

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

Getriebedrehrichtungen

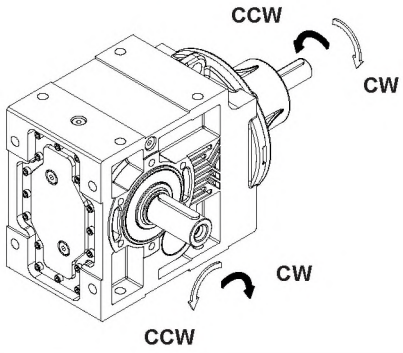
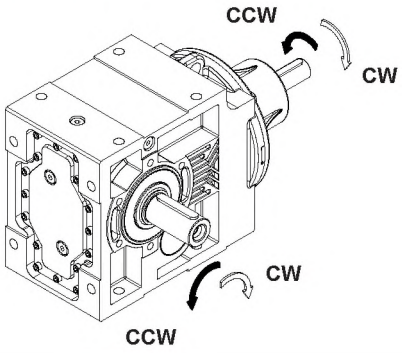
Die Drehrichtungen für K Serie Getriebe sind wie folgt definiert. Die Definition ist auch bei Getrieben mit Rücklaufsperre gültig.

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

Il senso di rotazione dell'albero in uscita in funzione del senso di rotazione dell'albero in entrata è come segue:

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 Stadi / *3-5 Stages* / 3-5 Stufig	**2-4-6 Stadi** / *32-4-6 Stages* / 2-4-6 Stufig
	



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Carichi radiali

I carichi radiali ammessi sono calcolati tenendo conto della durata operativa, e sono indicati nelle tabelle. I carichi radiali ammessi F_{qam} indicati sono basati su f_s=1 e sono validi per forze applicate al centro dell'albero.
Per applicazioni che prevedono carichi con urti si dovrà prendere in considerazione il fattore di servizio indicato in tabella. Il carico assiale ammesso (F_{ama} o F_{ame}) è pari al 25% del carico radiale ammesso (F_{qam} o F_{qem}). I carichi radiali ammessi indicati sono basati sulla direzione di carico peggiore. Carichi radiali maggiori possono essere applicati per direzioni di carico diverse (chiedere, se interessati). Il carico radiale effettivo sull'albero del riduttore Fq si determina con le formule indicate a pagina 21. Scegliendo:

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

si deve tener conto di queste formule.
Se il carico non è applicato al centro dell'albero, il carico ammesso indicato va corretto utilizzando le formule seguenti.

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

I valori "t" e "y" possono essere ricavati dalla tabella seguente. Il valore "u" corrisponde alla distanza del punto di applicazione del carico, come mostrato qui sotto.

Radial Loads

The permissible radial loads are calculated by considering working life and are listed on the tables. The given permissible radial 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 radial loads are based on the worst loading direction. Higher radial loads can be applied for different loading directions (Please ask if requested). The effective radial load at the gear box shaft Fq will be determined with the given formulas on page 21.

In Selection ;

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

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.

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

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

Querkräfte

Die in den nachfolgenden Tabellen ange-gebenen zulässigen Radialbelastungen F_{qam} gelten bei Kraftangriff auf die Mitte 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 zulässige Querkräfte sind höhere Werte möglich (Bitte Rückfragen). Die auftretende Querkraft Fq ab der Getriebewelle wird wie in der nachfolgenden Formel bestimmt.

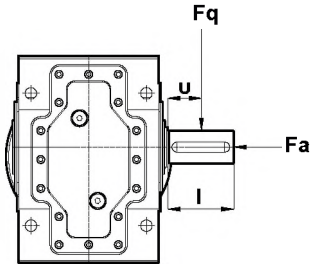
Bei dieser Auswahl;

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

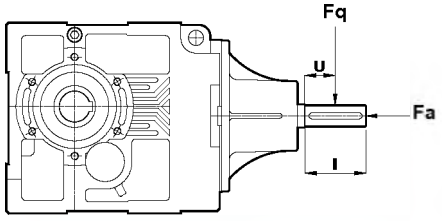
müßen die oben agegebenen Bedingungen berücksichtigt werden.Ist der Kraftangriff nicht auf Wellenmitte, so kann die zulässige Querkraft mit Hilfe der unten stehenden Formel auf jede beliebige Stelle umgerechnet werden.

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

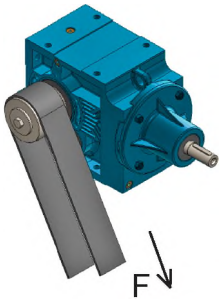
Die Werte "t" und "y" sind in den nacholgenden Tabellen angegeben. Der Wert "u" ist die Stelle des Kraftangriffs wie auf der nächsten Seite angegeben.



KR...01	Valori di correzione dei carichi radiali sull'albero in uscita *Radial Load correcting values on output shaft* Querkraft auf Ausgangwelle Korrigierungszahlen									
Tipo *Type* Typ	KR..002 KR..003	KR..102 KR..103	KR..202 KR..203	KR..273	KR..373	KR..473	KR..573	KR..673	KR..773	KR..873
t	119	134	156	162	199	236	273	344	408	485
y	99	104	121	132	159	186	213	274	323	380
l	40	60	70	60	80	100	120	140	170	210



KT...	Valori di correzione dei carichi radiali sull'albero in entrata *Radial load correcting values on input shaft* Querkraft auf Einagangwelle korrigierungszahlen									
Tipo *Type* Typ	KT..002 KT..003	KT..102 KT..103	KT..202 KT..203	KT..273	KT..373	KT..473	KT..573	KT..673	KT..773	KT..873
t	78	78	111	111	126	137	158	180	207	220
y	58	58	86	86	96	102	113	130	147	165
l	40	40	50	50	60	70	90	100	120	110



Calc. dei carichi radiali

Il carico radiale Fq [N] si calcola con le equazioni seguenti, utilizzando il momento M [Nm] e il diametro D [mm] della puleggia o ingranaggio richiesti.

Calc. dei carichi radiali

Radial Load Fq [N] is calculated with the following equations where the 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. Giunto elastico
Se il giunto elastico lavora all'interno del suo range operativo affidabile, i carichi radiali possono essere trascurati.

1. Elastic Coupling
If the Elastic Coupling is working in its reliable working range, the radial loads can be neglected.

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

2



2. Per ingranaggi a denti diritti (angolo pressione 20°)

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

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. Per catena a bassa velocità (z>17)

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

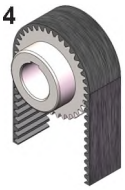
3. For Chain Drive With Low Speed (z>17)

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

3. Kettenantrieb mit niedriger Geschwindigkeit (z>17)

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

4



4. Per cinghia dentata

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

4. For Timing Belt

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

4. Zahnriemenantrieb

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

5



5. Per cinghia a gole V

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

5. For V Belt

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

5. Keilriemenantrieb

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

6



6. Cinghia piana con puleggia tendicinghia

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

6. Flat Belt With Belt tensioner pulley

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

6. Flachriemenantrieb mit Spannungstrommel

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

Carichi assiali ammessi per i tipi di riduttore con estrusore
Permissible Axial Loads for Extruder Types
Zulässige Axialkräfte für Extruder Typ Getriebe

KRE273				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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

Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KRE373				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KRE473				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KRE573				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

Carichi assiali ammessi per i tipi di riduttore con estrusore
Permissible Axial Loads for Extruder Types
Zulässige Axialkräfte für Extruder Typ Getrieben

KRE673				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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

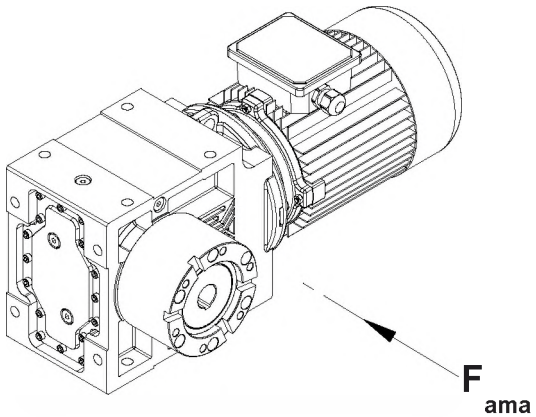
n_2
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KR773				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]

KRE873				
n_2	F_{ama} [kN]			
	Durata di vita / *Lifetime* / Lebensdauer Lh [ora] / *[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
Velocità di rotazione in uscita [giri/min.]
Output Speed [rpm]
Abtriebsdrehzahl [U/min]



Calcolo della potenza nominale equivalente

La potenza equivalente con una coppia costante equivalente può essere calcolata per riduttori che lavorano con velocità di rotazione costante ma coppie (o potenze) variabili. Utilizzando questa potenza equivalente si può selezionare un riduttore con il consueto metodo di selezione dei riduttori con coppie costanti. La coppia equivalente si determina in base alla media delle coppie dominanti. Il riduttore che lavora con una coppia equivalente costante in teoria avrà la stessa durata di vita e lo stesso livello di sicurezza di uno con coppia variabile. Per calcolare le coppie equivalenti, occorre ordinare su una linea temporale orizzontale le coppie variabili all'interno di un ciclo, da quella massima a quella minima (si veda il diagramma qui sotto). Come da diagramma qui sotto, si può calcolare la coppia equivalente utilizzando la formula seguente:

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

Se T_n (la coppia più bassa) è inferiore al 50% di T_e, la coppia di questa parte del ciclo va eliminata dal diagramma, dopodiché va ripetuto il calcolo;

Se $T_n < T_e \times 0.5$ allora

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

Se tutti i valori T_n sono superiori al 50% di T_e, per calcolare la potenza equivalente si può allora utilizzare la formula seguente:

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

Una volta determinata la potenza equivalente, la scelta del riduttore viene fatta seguendo le procedure di selezione indicate nella sezione di questo catalogo dedicata alla scelta del riduttore.

Equivalent Power Rating Calculation

The equivalent power by an equivalent constant torque can be calculated for gearboxes working in constant speed but at 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 chart below). According to the chart 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 from the torque chart 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% T_e then the equivalent power can be calculated by the following formula;

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

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

Berechnung Äquivalenter Leistung

Die äquivalente Leistung bei äquivalenten Drehmoment kann für Getrieben mit konstanten Drehzahl und variablen Momente berechnet werden. Mit dieser Leistung kann das Getriebe ausgelegt werden, wie bei konstanten Leistung. Man bestimmt hiermit also die maßgebende Belastung. Das ausgelegte Getriebe erreicht theoretisch dem gleichen Lebensdauer und hat die gleiche Sicherheit.

Für die Berechnung der äquivalenten Drehmoment 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;

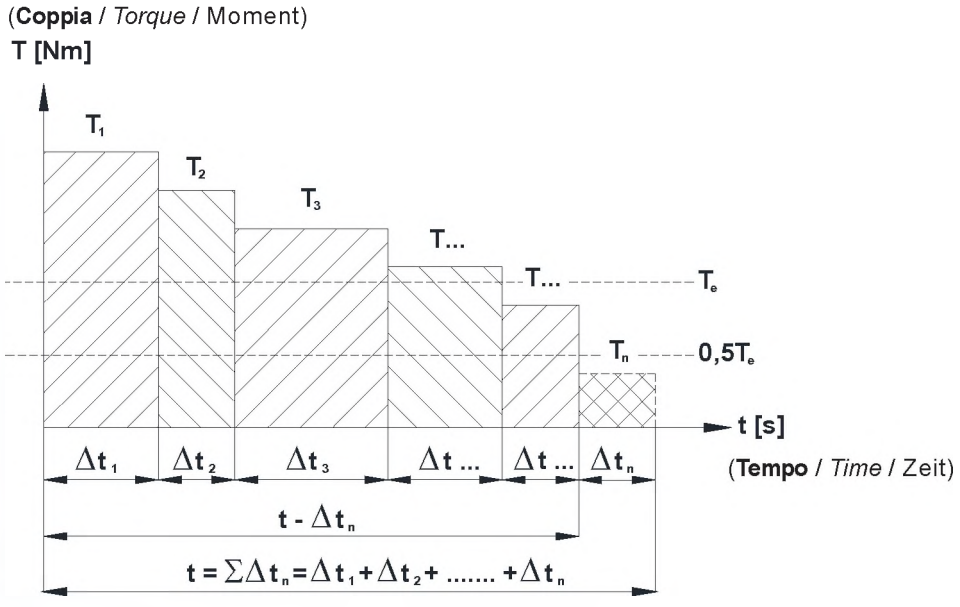
Wenn $T_n < T_e \times 0.5$ dann

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

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 äquivalenter Leistung, erfolgt die Getriebeauslegung wie bei konstanter Leistung. Die Auswahlverfahren für konstante Leistung ist in diesem Katalog angegeben.



Esempio di calcolo della potenza nominale equivalente

I dati che seguono sono riferiti a un laminatoio blooming reversibile;

Livelli di coppia:
Durata totale di un ciclo: 2 min.
Coppia 1ª parte del ciclo: 48 kNm, 30 s
Coppia 2ª parte del ciclo: 32 kNm, 22 s
Coppia 3ª parte del ciclo: 28 kNm, 15 s
Coppia 4ª parte del ciclo: 16 kNm, 10 s
Coppia 5ª parte del ciclo: 5 kNm, 43 s
Macchina con velocità di rotazione costante: 50 giri/min.
Bisogna determinare la potenza equivalente necessaria per la scelta del riduttore.

Soluzione:
Durata totale di un ciclo:

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

Coppia equivalente:

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

=39,2 kNm

50% della coppia equivalente:

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

La coppia di ciascuna parte del ciclo deve essere inferiore a questo valore:

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

Ripetiamo il calcolo escludendo le coppie che sono inferiori al 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

Utilizzando la coppia equivalente e la velocità di rotazione costante calcoliamo la potenza equivalente:

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

Ora, sulla base della potenza equivalente appena calcolata e della velocità di rotazione costante si può procedere alla scelta del riduttore seguendo le procedure descritte in questo catalogo.

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
3rd 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 the gear unit selection, must be determined.

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 it is possible to make the gearbox selection with the procedures described in this catalog.

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 einem 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 äquivalenten 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 kleine 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 äquivalenten 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 äquivalente Leistung und konstanter Drehzahl, erfolgt die Getriebeauslegung dann wie die Getriebeauswahl gemäß dem in diesem Katalog beschriebenen Verfahren für konstante Leistung.



Informazioni generali
General Information
Einführung

Scelta del riduttore

Per scegliere correttamente il riduttore più appropriato procedere come segue.

1. Determinare il fattore di servizio (fs) in funzione delle condizioni di lavoro (pagina 16).

2. Determinare la coppia M_2 (coppia richiesta in uscita dal riduttore) necessaria per azionare la macchina.
3. Determinare la velocità (numero di giri in uscita dal riduttore) necessaria per la macchina che il riduttore deve azionare.
4.Calcolarelapotenzanecessariaperlamacchina (calcolare la potenza "P_2" necessaria sul lato di uscita del riduttore utilizzando la formula):

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

5. Calcolare il carico radiale necessario sull'albero in uscita in base al tipo di accoppiamento tra riduttore e macchina (fare riferimento alle indicazioni e ai valori a pagina 20). Una volta che i suddetti valori sono stati determinati, nelle tabelle prestazionali si può scegliere il riduttore che soddisfa i nostri requisiti (il fattore di servizio e il carico radiale ammesso dovranno essere inferiori o uguali ai valori da noi richiesti). La potenza in uscita dei riduttori elicoidali non è riportata nelle tabelle prestazionali perché questi riduttori hanno un rendimento elevato e come potenza in uscita si può considerare la potenza in entrata. Bisogna però verificare che la coppia trasmessa soddisfi i nostri requisiti. Se la coppia trasmessa è bassa, cercare un riduttore che abbia una potenza in entrata maggiore.

Esempio:
1. Tipo di macchina:
Convogliatore a nastro (materiali alla rinfusa)

2. Coppia richiesta:
La coppia richiesta calcolata per la macchina che si deve azionare è M_2=470 Nm.

3. Velocità di rotazione richiesta:
n_2 = 50 giri/min.

4. Tempo di funzionamento:
16 ore al giorno

5. Frequenza di avviamento:
1 avviamento ogni ora

6. Tipo di accoppiamento del riduttore
Catena (dimensione in uscita-130 mm)

- Dalla tabella di classificazione dei carichi (a pagina 17-18), si può selezionare la classe di carico M per l'applicazione nota.
- Dalla tabella dei fattori di servizio (pagina 16) si può selezionare il fattore di servizio fs = 1,3 che considera 16 ore di funzionamento, un avviamento ogni ora e un carico di classe M.

- Potenza richiesta per la macchina (potenza lato di uscita del riduttore):

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

Gearbox Selection

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

1.Determine the service factor (fs) according to the operating conditions (Page 16).

2. Determine the required Torque M_2 (required output torque of gearbox) for the driven machine.
3. Determine the 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 radial 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 radial load should be less than or equal to our requirement). The output power of Helical gears is not given on the performance tables because they have high efficiency and the output power can be taken as input power. It is necessary to check if the output torque meets 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. Operating time:
16 hours per day

5. Start-up frequency:
1 start per hour

6. Gear reducer connection type
Chain drive (output dimension-130 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 working time, one start per hour, and load class M.

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

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

Getriebeauswahl

Für die korrekte Auswahl des Antriebes;

1. Den Betriebsfaktor(fs) in Abhängigkeit von den Betriebsbedingungen bestimmen.(Bezug auf seite 16).
2. Die erforderte Drehmoment M_2 für die angetriebene Machine (Abtriebsdrehmoment für die Getriebe) bestimmen.
3. Erforderte Drehzahl bestimmen (Abtriebsdrehzahl für die Getriebe).

4. Berechnen der erforderte Leistung der angetriebene 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, die passende Getriebe kann von den angegebenen Leistungstabellen entnommen werden. Dabei soll darauf geachtet werden, dass der Betriebsfaktor und Querkraft stets unterhalb von angegebenen Werten liegt. Weil Stirnradgetrieben einen hohen Wirkungsgrad haben, sind die Abtriebsleistungen für Stirnradgetrieben nicht angegeben. Bei dieser Getrieben die erforderte Leistung kann als Antriebsleistung benutzt werden. Achten sie darauf, dass der Abtriebsmoment größer als die erforderte Drehmoment ist.

Beispiel:
1. Maschinentyp:
Gurtbandförderer (Schüttgut)

2. Erforderte Drehmoment:
Für die Machine berechnete 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-Machine:Kettentrieb(Durchmesser-130 mm)
- Von den Belastungsart Tabellen(Seite 17-18) nimmt man Belastungsart M

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

- Erforderte Leistung der angetriebe Machine (Die an der Getriebeabtriebswelle erforderte Leistung)

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

- Per le applicazioni con accoppiamento a catena il carico radiale richiesto può essere calcolato da (pagina 21):

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

- Il riduttore richiesto è il seguente:

$P_2 \geq$ 2,46 kW
$M_2 \geq$ 470 Nm
fs ≥ 1,3
$n_2 \approx$ 50 giri/min.
Fq ≥ 7692 N

Nella tabella prestazionale

il riduttore scelto è il modello KR373-100L/4b (Pagina 72).

P_2=3kW > 2,46 kW
M_2= 555 Nm > 470 Nm
fs=1,5
n_2=49 giri/min.
fq=13213 Nm < 7592 Nm
i=28,85

- For chain drive application the requested radial 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,

***KR373-100L/4b** selected (Page 72).*

P_2=3kW > 2,46 kW
M_2= 555 Nm > 470 Nm
fs=1,5
n_2=49 rpm
fq=13213 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 Berechungen die erforderte Getriebe ist 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- DrahzahlTabelle,

wurde **KR373-100L/4b** gewählt (Seite 72).

P_2=3kW > 2,46 kW
M_2= 555 Nm > 470 Nm
fs=1,5
n_2=49 U/min
fq=13213 Nm < 7592 Nm
i=28,85

Modulo di scelta del riduttore

Settore industriale.....
Applicazione.....
Velocità di rotazione media richiesta..... giri/min.

Potenza richiesta alla macchina azionata:
-Normale..... kW
-Massima..... kW
-Minima..... kW

Azionamento macchina:
Motore CA [ ]
Motore CA + Inverter [ ]
Motore CC [ ]
Motore idraulico [ ]
Motore a pistoni con 1-3 cilindri [ ]
Motore a pistoni con 4-24 cilindri [ ]

Tipo di accoppiamento motore (motori elettrici):
Flangia IEC B5 [ ]
Flangia NEMA [ ]

Codice flangia IEC o NEMA.....

Potenza motore:
-Nominale.....kW

Velocità di rotazione del motore:
-Normale.....giri/min.
-Massimo.....giri/min.
-Minimo.....giri/min.

Coppia motore:
-Normale.....Nm
-Massima.....Nm
-Minima.....Nm

Senso di rotazione:
orario [ ] antiorario [ ] variabile [ ]

Ore di funzionamento al giorno:
<4 [ ] 4-8 [ ] 8-16 [ ] >16 [ ]

N. di avviamenti per ciclo:
0-50 [ ] 50-100 [ ] 100-200 [ ]
200-300 [ ] 300-500 [ ] 500-700 [ ]
700-1000 [ ] >1000 [ ]

Rapporto di trasmissione tra motore e riduttore.....

Coppia di avviamento richiesta.....Nm

Coppie di picco per ora:
1-5 [ ] 6-30 [ ] 31-100 [ ] >100 [ ]

Tempo effettivo di lavoro in un ciclo (ED):
%100 [ ] %80 [ ] %60 [ ] 40% [ ]
20%[ ]

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

Luogo di installazione:
Locale chiuso di piccole dimensioni (w<1m/sn) [ ]
Locale chiuso (w<3m/sn) [ ]
Locali di grandi dimensioni e capannoni (w>=3m/sn) [ ]
All'esterno [ ]

Condizioni ambientali:
Normale [ ] Polveroso [ ] Umido [ ]
Corrosivo [ ] Secco [ ]

Temperatura ambiente:
Media.....°C
Massima.....°C
Minima.....°C

Dispositivo antiritorno necessario:
Sì [ ] No [ ]

Opzioni entrata riduttore:
R..[ ] V..[ ] N..[ ] T..[ ]

Opzioni uscita riduttore:
00 [ ] 01 [ ] 02 [ ] 03 [ ] 04 [ ] 05 [ ] 08 [ ]
0S [ ] 0E [ ]

Posizione di montaggio:

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

Tipo di accoppiamento albero in entrata:
Giunto elastico [ ]
Giunto a tamburo [ ]
Giunto idraulico [ ]
Giunto rigido flangiato [ ]
Puleggia [ ]
Rocchetto e catena [ ]
Pignone [ ]
Diametro dell'elemento di raccordo.....mm
Carico radiale.....N
Distanza "u" del carico radiale.....mm
Carico assiale (in direzione dell'albero) .....N

Tipo di accoppiamento albero in uscita:
Giunto elastico [ ]
Giunto a tamburo [ ]
Giunto rigido flangiato [ ]
Puleggia [ ]
Rocchetto e catena [ ]
Pignone [ ]
Albero cavo con braccio di torsione [ ]
Giunto ad attrito con braccio di torsione [ ]
Diametro dell'elemento di raccordo.....mm
Carico radiale.....N
Distanza "u" del carico radiale.....mm
Carico assiale (in direzione dell'albero) .....N

Assemblaggio riduttore tramite:
Piede [ ] Flangia [ ] Braccio di torsione [ ]

Caratteristiche albero in uscita:
Albero pieno con scanalatura per chiavetta [ ]
Albero pieno senza scanalatura per chiavetta [ ]
Albero cavo con giunto ad attrito [ ]
Albero cavo [ ]
Albero speciale [ ]

Caratteristiche albero in entrata:
Albero pieno con scanalatura per chiavetta [ ]
Albero pieno senza scanalatura per chiavetta [ ]
Albero speciale [ ]
Braccio di torsione necessario Sì[ ] No[ ]

Alimentazione elettrica:
Monofase in CA [ ] Trifase in CA [ ] CC [ ]
Tensione.....Volt
Frequenza..... Hz

Classe di protezione:
IP55 [ ] IP65 [ ] Antidefl. [ ]
Altra classe IP.....

Allegati:
Diagramma di carico [ ]
Progetto [ ]
Dimensioni richieste [ ]
Specifiche tecniche [ ]

Note:

Gearbox Selection Form

Industry sector.....
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 cylinders [ ]
Piston Engine with 4-24 cylinders [ ]

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 [ ]

Start-ups 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 Start-up 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.....°C
Maximum.....°C
Minimum.....°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 [ ]
Parallel Shaft with Torque Arm [ ]
Shrink 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 [ ]
Parallel Shaft with Shrink Disc [ ]
Parallel 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 [ ]
Kolbenmachinen mit 1-3 Zylinder [ ]
Kolbenmachinen 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:

Lubrificazione

Affinché il regolatore possa lavorare nelle condizioni migliori e il più a lungo possibile bisogna utilizzare il tipo di lubrificante adeguato e sostituirlo con regolarità.

Quando si sceglie l'olio da utilizzare è importante tener conto di fattori quali la velocità di rotazione, la temperatura ambiente, la temperatura dell'olio nel riduttore, le condizioni di lavoro e la durata che ci si aspetta dal lubrificante. Tutti gli apparecchi vengono riempiti di olio lubrificante prima di essere spediti. Se il riduttore deve essere stoccato in magazzino per lungo tempo o prima di metterlo in funzione rimuovere il tappo superiore (a seconda della posizione di lavoro) e sostituirlo con il tappo di sfiato supplementare fornito a corredo. Questo evita che si crei sovrappressione nell'apparecchio, con conseguenti perdite di olio.

L'olio lubrificante per la linea standard è specificato nella tabella a pagina seguente relativa ai lubrificanti standard. Verificare sulla targhetta apposta direttamente sul riduttore qual è il tipo di olio da utilizzare per lo specifico riduttore. I riduttori montati su piedini e quelli montati con flangia vengono riempiti con olio adatto per la posizione di montaggio M1. Se la posizione di montaggio è diversa, fare riferimento alla tabella nelle pagine seguenti. Per condizioni di lavoro particolari vi invitiamo a contattarci.

Se il lubrificante è di tipo minerale va sostituito ogni 10.000 ore di servizio, se invece è di tipo sintetico ogni 20.000 ore. In presenza di condizioni di lavoro estremamente gravose (p.es. forti escursioni termiche, alto tasso di umidità) si consiglia di ridurre i tempi tra una sostituzione e l'altra. L'olio minerale e quello sintetico non devono essere mischiati. Quando si procede alla sostituzione dell'olio lubrificante si consiglia di effettuare anche una pulizia completa. La sostituzione dell'olio è bene venga fatta al termine di una fase di lavoro perché, in queste condizioni, l'olio è caldo e le impurità sono in sospensione. La regolare sostituzione dell'olio permette al riduttore di lavorare con risultati migliori e all'olio di defluire facilmente.

Lubrication

To work in perfect condition and ensure gearbox long life, the lubricant must be chosen correctly and changed in time.

When selecting the oil it is important to consider speed, ambient temperature, gearbox oil temperature, 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 vent plug must be replaced. This prevents excessive pressure which causes oil leakages.

The lubricant for the standard line is shown on the table on next page for standard fillings. Please look at the label of your gear unit to check the oil type for filling the gear unit. The foot mounting gearboxes and flange mounted gearboxes are filled for M1 mounting position.. 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 every 10.000 service hours and the synthetic lubricant should be changed 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. When changing the lubricant a complete cleaning is recommended. The oil change should be done after a working period. Because oil in this condition is hot and the impurities are mixed with it. If oil is changed the unit will work with better results 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, Umgebumgstemparatur, Belastungsart und Lebensdauer des Öls berücksichtigt werden. Die mitgelieferte Entlüftungsschraube ist vor Inbetriebnahme oder längeren Lagern gegen die Einfüllschraube auszutauchen, 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 folgenden Seite in der grau unterlegten Spalte angegebenen Schmierstoffen gefüllt. Bitte im Getriebe verwendetes Öl von dem Namenschild 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.

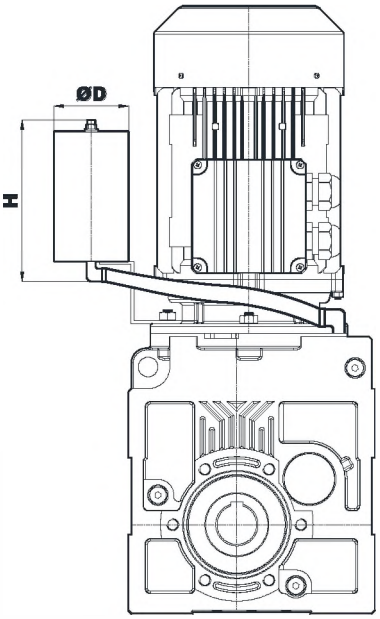
Ein Schmierstoffwechsel sollte alle 10.000 Betriebsstunden durchgeführt werden. Für synthetische Produkte verdoppeln sich diese Fristen. Bei extremen Betriebsbedingungen, z.B. hohe Luftfeuchtigkeit, aggresiver Umgebung und hohen Temparatur-schwankungen sind kürzere Schmierstoffintervalle vorteilhaft. Es ist enpfehlenswert, dem 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 stilsetzen erfolgen, solange das Öl noch warm ist. In dieser Zustand ist das Öl mit den Smutzpartickeln vermicht, so dass eine Entfernung des Altöls eine gute Reinigung garantiert.

Vaso di espansione / *Expansion Tank for M4 Mounting Position* / Ölausgleichsbehälter für M4 Bauform

Come si può vedere nel disegno tecnico di seguito, per i riduttori con posizione di montaggio M4 (montaggio posizioni p. 34) , il livello dell'olio deve essere sufficientemente alto per consentire la corretta lubrificazione del pignone superiore; questo potrebbe causa perdite di olio dal tappo sfiato a causa della formazione di schiuma e l'aumento del volume d'olio nei motoriduttori con rapporti inferiori a 20.
Brevini Power Transmission, consiglia vivamente di utilizzare un vaso di espansione per posizione di montaggio M4 per riduttori K57, K67, K77e K87 con rapporti totali (i) inferiore a 20, per evitare questo tipo di problematiche. Si possono trovare le dimensioni raccomandate di vasi di espansione al di sotto.
Ogni qualvolta il rapporto totale (i) è inferiore a 20 e la velocità di ingresso è superiore a 1800 giri al minuto, si consiglia di utilizzare il vaso di espansione per tutte le dimensioni del riduttore per posizione di montaggio M4.

*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 ; Brevini Power Transmission, strongly recommend using expansion tank for **M4** mounting position for gear units K57, K67, K77 and K87 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 dieeses höhen Ölstands bildet sich Ölschaum aus, welcher aus der Entlüftungsschraube austritt.
Um das verhindern zu müssen, empfiehlt Brevini Power Transmission bei allen K-Serie Getrieben ab Getriebebaugröße K57 mit niedrigen Übersetzungen (i<20) einen Ölausgleichsbehälter bei der **M4** Bauform einzusetzen. Die empfehlenen Dimensionen des Ölausgleichsbehälters sind in der unteren Tabelle angegeben.
Bei Getrieben mit Übersetzungen (i<20) und bei Motor-Eingangsdrehzahlen>1800 min^{-1} empfiehlt Brevini Power Transmission einen Ölausgleichsbehälter unabhängig von der Getriebebaugröße einzusetzen.

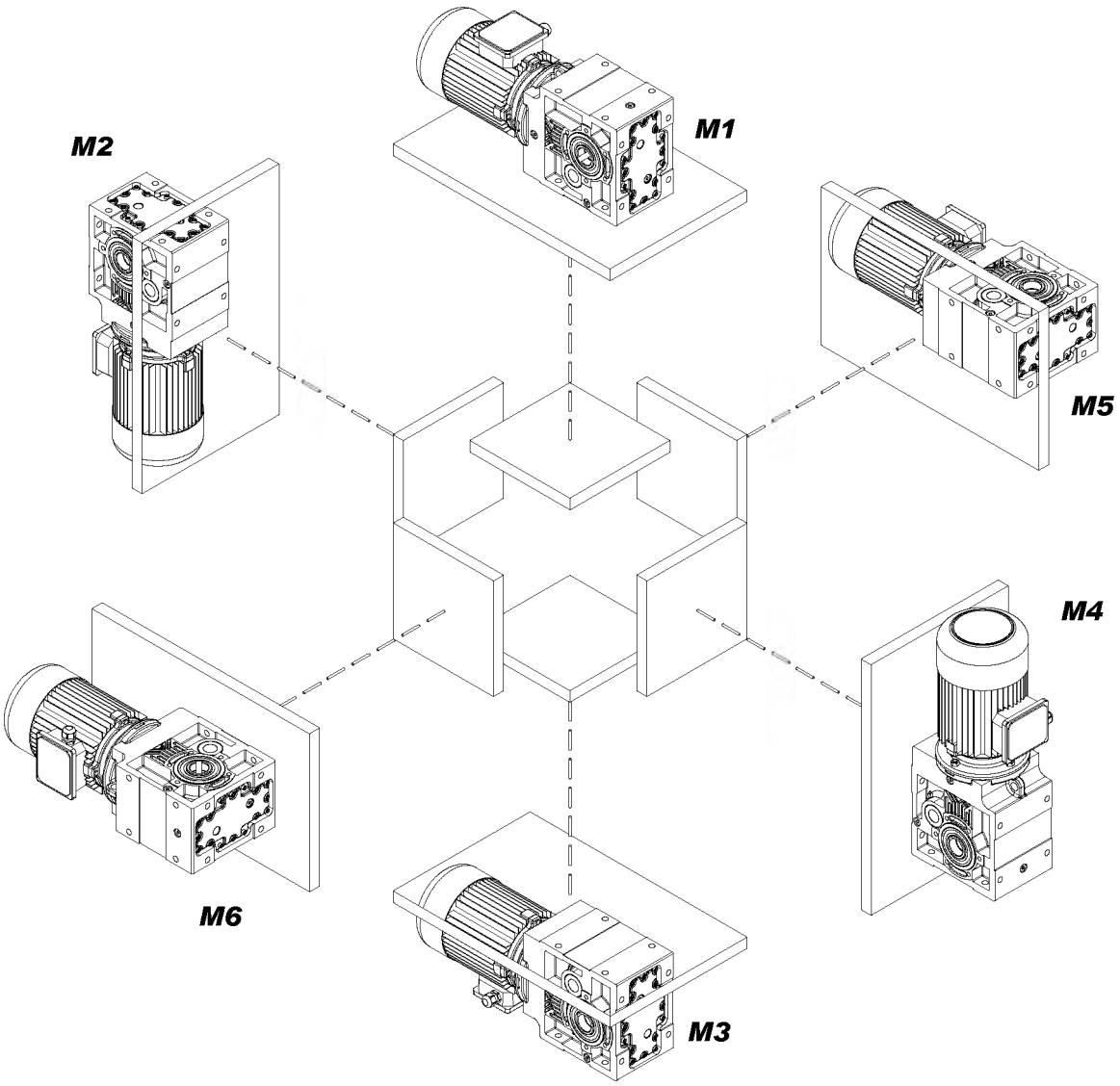


Dimension of the housing	Expansion tank	D [mm]	H [mm]	Weight [kg]
K57..	G1	100	150	4
K67.. , K77..	G2	150	250	5
K87..	G3	180	400	9

Tipi di olio / *Oil Types* / Schmierstoffe

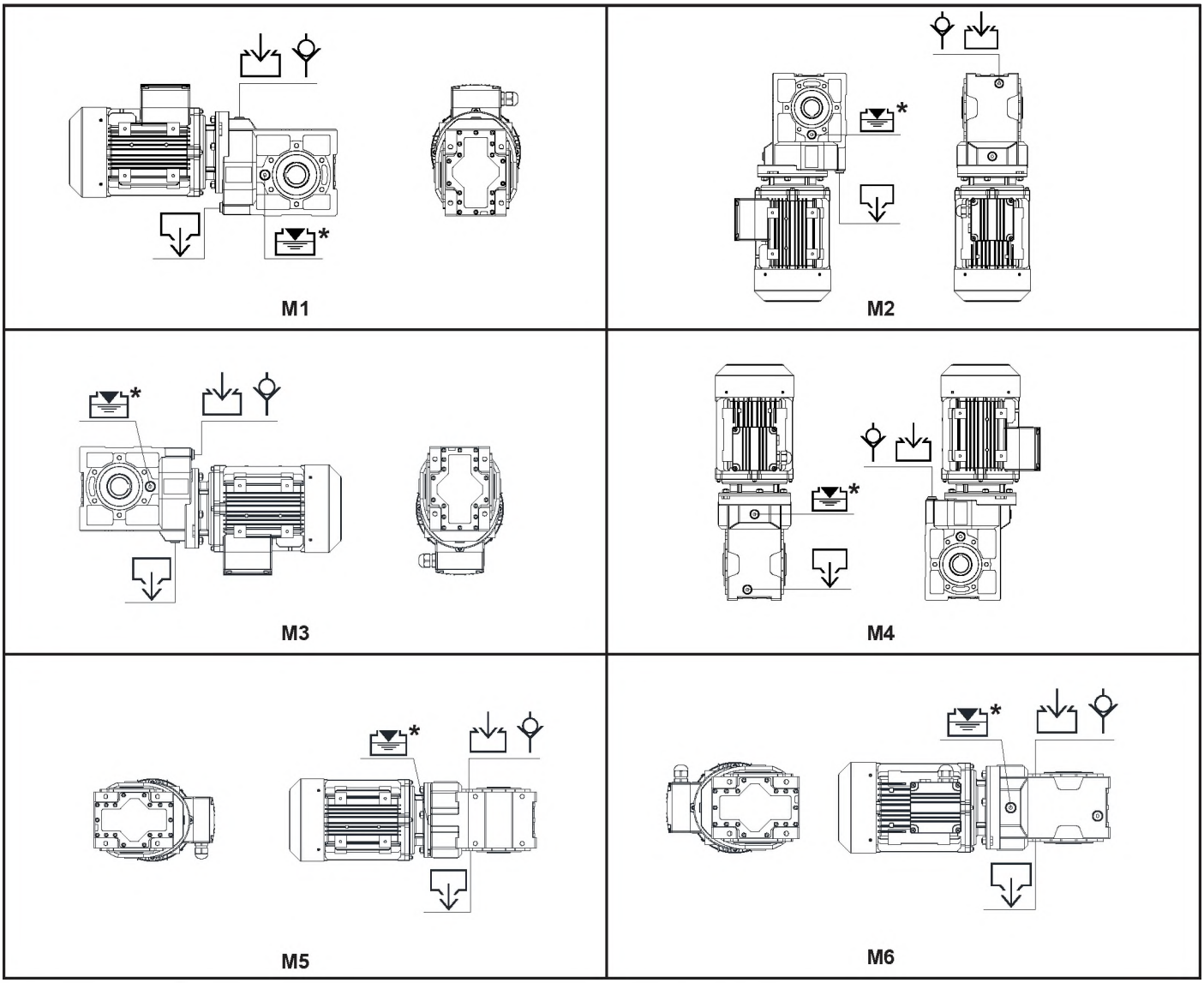
Lubrificante *Lubricant* Art des Schmiers	DIN 51517-3	Temp. ambiente [°C] *Ambient Temp. [°C]* Umgebungstemp. [°C] / Lubrificazione per immersione *Dip Lubrication* Tauchschmier.	ISO VG	Aral	Beyond Petroleum	Castrol	Kluber Lubrication	Mobil	Shell	Total
Olio minerale *Mineral Oil* Mineralol	CLP	0 ... +50	680	Degol BG 680	Energol GR-XP 680	Alpha SP 680	Klüberoil GEM 1-680 N	Mobilgear XMP 680	Omala 680	Carter EP 680
		-5 ... +45	460	Degol BG 460	Energol GR-XP 460	Alpha SP 460	Klüberoil GEM 1-460 N	Mobilgear XMP 460	Omala F460	Carter EP 460
		-10 ... +40	320	Degol BG 320	Energol GR-XP 320	Alpha SP 320	Klüberoil GEM 1-320 N	Mobilgear XMP 320	Omala F320	Carter EP 320
		-15 ... +30	220	Degol BG 220	Energol GR-XP 220	Alpha SP 220	Klüberoil GEM 1-220 N	Mobilgear XMP 220	Omala F220	Carter EP 220
		-20 ... +20	150	Degol BG 150	Energol GR-XP 150	Alpha SP 150	Klüberoil GEM 1-150 N	Mobilgear XMP 150	Omala 150	Carter EP 150
		-25... +10	100	Degol BG 100	Energol GR-XP 100	Alpha SP 100	Klüberoil GEM 1-100 N	Mobilgear XP 100	Omala 100	Carter EP 100
Olio sintetico *Synthetic Oil* Synthetisches Öl	CLP PG	-10 ... +60	680	Degol GS 680	Energsyn SG-XP 680	–	Klübersynth GH 6 -680	Mobil Glygoyle 680	Tivela S 680	Carter SY 680
		-20 ... +50	460	Degol GS 460	Energsyn SG-XP 460	Aphasyn PG 460	Klübersynth GH 6 -460	Mobil Glygoyle 460	Tivela S 460	Carter SY 460
		-25 ... +40	320	Degol GS 320	Energsyn SG-XP 320	Aphasyn PG 320	Klübersynth GH 6 -320	Mobil Glygoyle 320	Tivela S 320	Carter SY 320
		-30 ...+30	220	Degol GS 220	Energsyn SG-XP 220	Aphasyn PG 220	Klübersynth GH 6 -220	Mobil Glygoyle 30	Tivela S 220	Carter SY 220
		-35 ... +20	150	Degol GS 150	Energsyn SG-XP 150	Aphasyn PG 150	Klübersynth GH 6 -150	Mobil Glygoyle 22	Tivela S 150	Carter SY 150
		-40 ... +10	100	–	–	–	Klübersynth GH 6 -100	Mobil Glygoyle 100	–	–
	CLP HC	-10 ... +60	680	–	–	–	Klübersynth GEM 4-680 N	Mobilgear SHC Gear 680	–	Carter SH 680
		-20 ... +50	460	Degol PAS 460	Enersyn EP-XF 460	Alphasyn T 460	Klübersynth GEM 4-460 N	Mobilgear SHC Gear 460	Omala HD 460	Carter SH 460
		-25 ... +40	320	Degol PAS 320	Enersyn EP-XF 320	Alphasyn T 320	Klübersynth GEM 4-320 N	Mobilgear SHC Gear 320	Omala HD 320	Carter SH 320
		-30 ... +30	220	Degol PAS 220	Enersyn EP-XF 220	Alphasyn T 220	Klübersynth GEM 4-220 N	Mobilgear SHC Gear 220	Omala HD 220	Carter SH 220
		-35 ... +20	150	Degol PAS 150	Enersyn EP-XF 150	Alphasyn T 150	Klübersynth GEM 4-150 N	Mobilgear SHC Gear 150	Omala HD 150	Carter SH 150
		-40 ... +10	100	–	–	–	Klübersynth GEM 4-100 N	Mobil SHC 627	–	–
Olio alimentare *Food Grade Oil* Lebensmittelöl	CLP NSF H1	-15 ... +25	320	–	–	Optileb GT 320	Klüberoil 4 UH1-320 N	Mobil SHC Cibus 320	Cassida Fluid GL-320	Nevastane SL 320
Olio biodegradabile *Biodegradable Oil* Biologisch abbaubares Öl	CLP E	-25 ... +40	320	–	–	Tribol BioTop 1418-320	Klübersynth GEM 2-320	–	–	Carter Bio 320
Grasso minerale [temperatura di esercizio -20 .... +120°C] *Mineral Grease [-20 .... +120 Working Temperature °C]* Mineral-Fett [-20 .... +120 Betriebstemperatur °C]				Aralub HL3	Energrease LS 3	Spheerol AP3	Centoplex 2 EP	Mobilux EP 3	Alvania RL3	Multis Complex EP 2
Grasso sintetico [temperatura di esercizio -30 .... +100°C] *Synthetic Grease [-30 .... +100 Working Temperature °C]* Synthetisches Fett [-30 .... +100 Betriebstemperatur °C]				–	Energrease SY 2202	–	Petamo GHY 133 N	Mobiltemp SHC 100	Cassida RLS 2	Multis Complex SHD 220

Posizioni di montaggio / *Mounting Positions* / Bauformen



Le posizioni di montaggio M1 a M6 ipotizzate sono raffigurate come riferimento della posizione direzionale del riduttore. Le superfici di montaggio non sono vincolanti.
The supposed 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 von Getriebe bestimmt. Montageoberflächen sind unverbindlich.

K.00. - K.20. Tappi di livello olio per riduttori ad assi ortogonali bi-/tristadio
K.00. - K.20. Two - Three Stage Helical-Bevel Geared Motor Oil Level Plugs
K.00. - K.20. Zwei-Dreistufig Stirn-Kegelradgetriebe Ölverschlußschrauben



*: **Questo tappo non è presente nei tipi K002 e K003. Fare riferimento alle quantità di olio.**

*: *For K002 and K003 this plug does not exist. Please refer to oil quantities.*

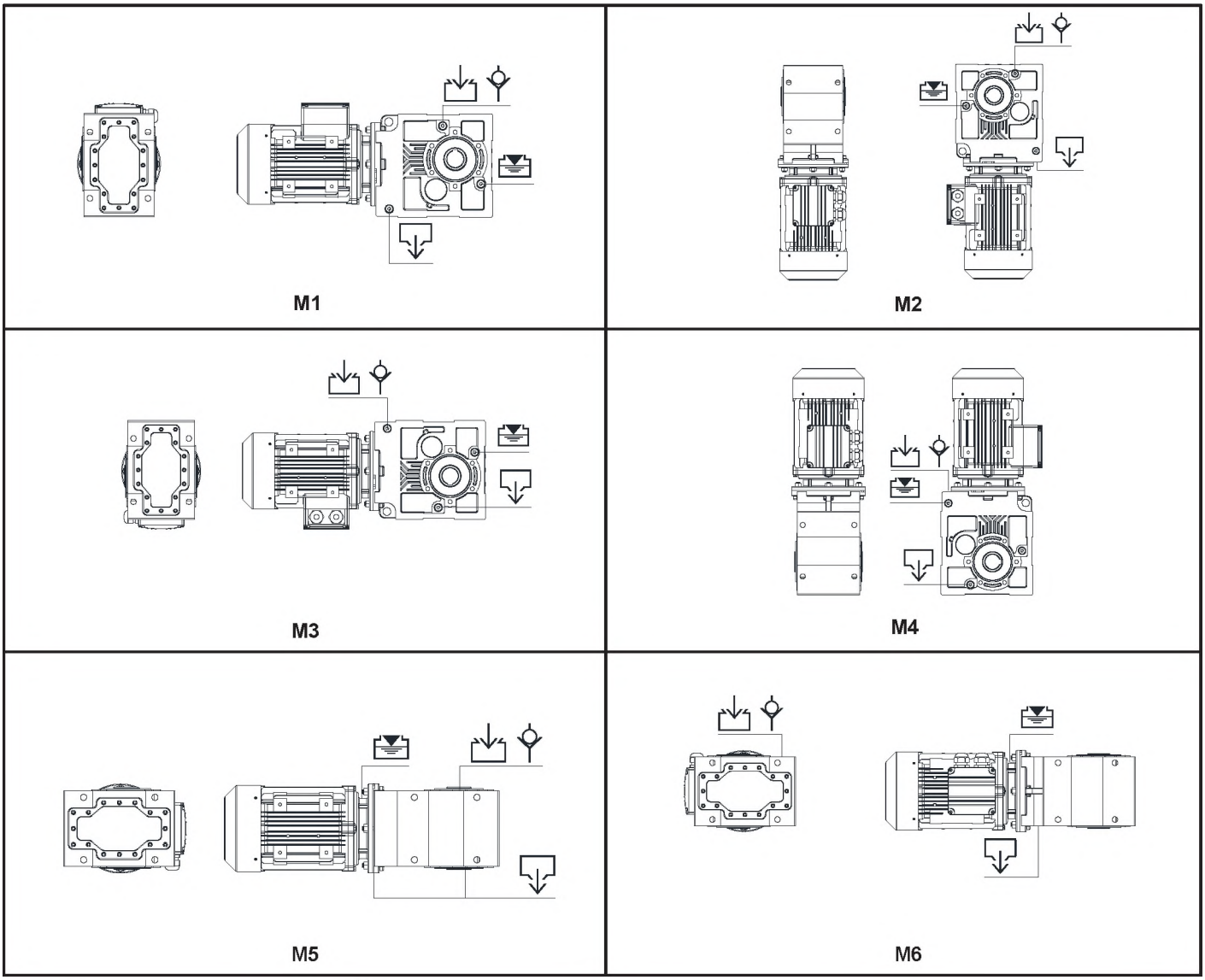
*: Bei K002 und K003 eksistiert dieser Ölstandschraube nicht. Bitte nach Ölmenge füllen.

Quantità di olio (l) / *Oil Quantities (lt)* / Ölmengen (liter)

Tipo /*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	0,8	0,8
K.202	1	1,35	1,5	1,7	1,4	1,4
K.203	0,9	1,25	1,4	1,6	1,3	1,3

Simboli : : **Tappo di riempimento** : **Tappo di scarico** : **Livello olio** : **Tappo sfiato**
Symbols : : *Oil Filling* : *Drain plug* : *Oil level* : *Vent plug*
Symbole : : Ölfüllung : Ölauslass : Ölstand : Entlüftungsschraube

K.273 - K.873 Tappi di livello olio per riduttori ad assi ortogonali tristadio
K.273 - K.873 Three Stage Helical-Bevel Geared Motor Oil Level Plugs
K.273 - K.873 Dreistufig Stirn-Kegelradgetriebe Ölverschlußschrauben

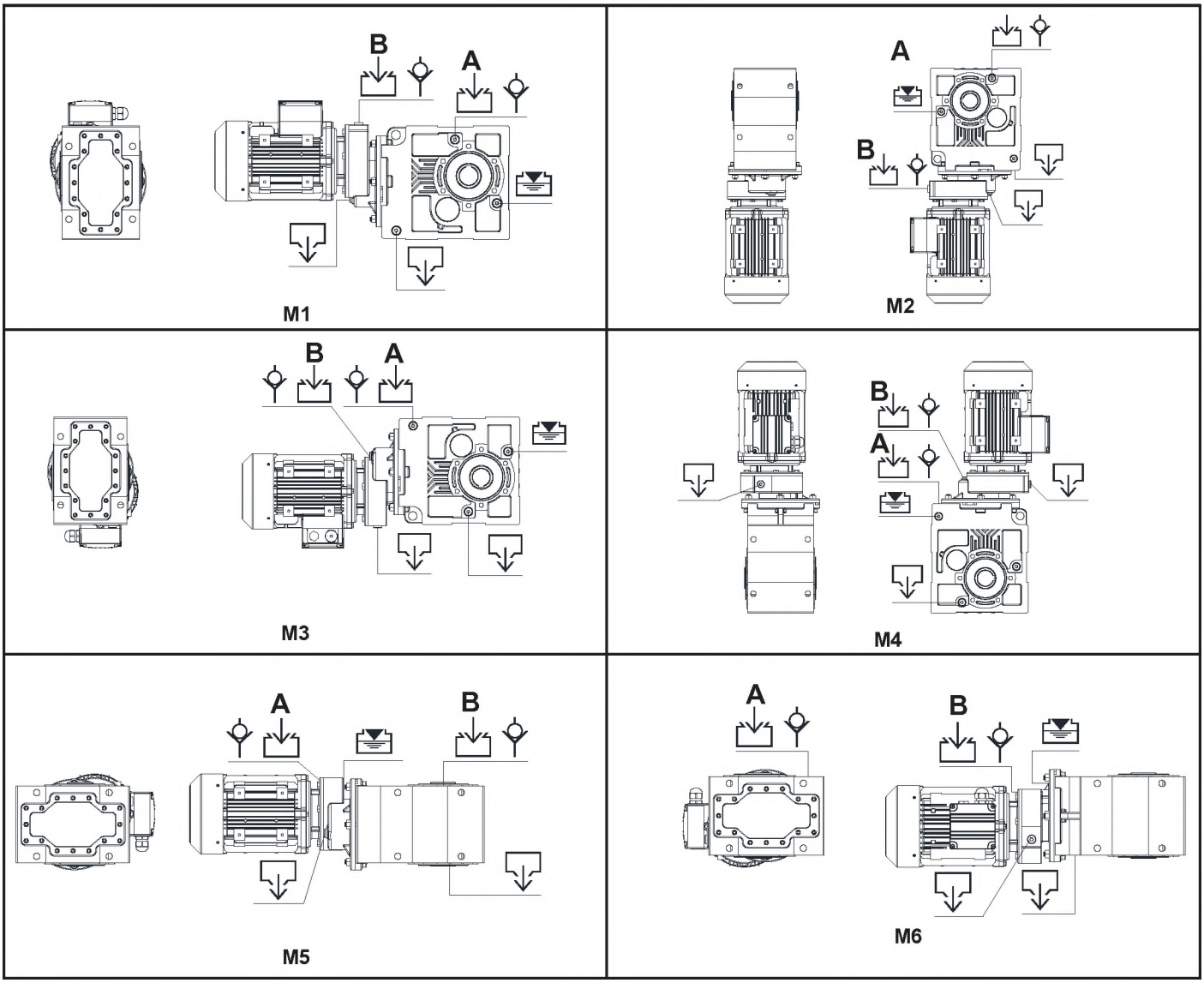


Quantità di olio (l) / *Oil Quantities (lt)* / Ölmengen (liter)

Tipo /*Type* / Typ	M1	M2	M3	M4	M5	M6
K.273	0,8	1,8	2,2	2,3	1,4	1,5
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	25,0	27,0	35,0	20,0	20,0
K.873	27,0	45,0	42,0	63,0	38,0	38,0

Simboli : : **Tappo di riempimento** : **Tappo di scarico** : **Livello olio** : **Tappo sfiato**
Symbols : : *Oil Filling* : *Drain plug* : *Oil level* : *Vent plug*
Symbole : : Ölfüllung : Ölauslass : Ölstand : Entlüftungschraube

K.374 - K.874 Tappi di livello olio per riduttori ad assi ortogonali a quattro stadi
K.374 - K.874 Four Stage Reduction Helical-Bevel Geared Motor Oil Level Plugs
K.374 - K.874 Vierstufig Stirn-Kegelradgetriebe Ölverschlußschrauben

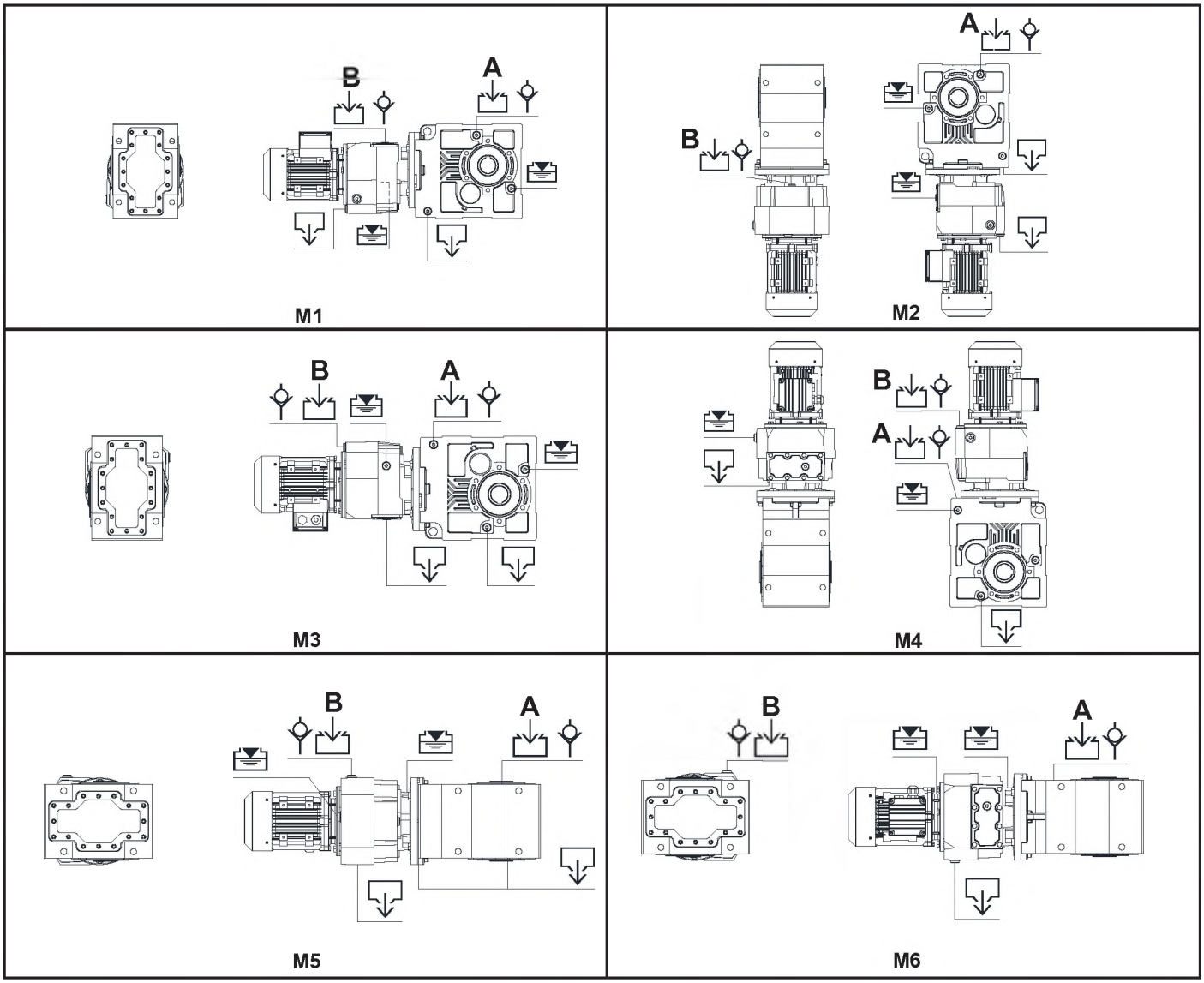


Quantità di olio (l) / *Oil Quantities (lt)* / *Ölmengen (liter)*

Tipo /*Type* / Typ	**M1** A / B	**M2** A / B	**M3** A / B	**M4** A / B	**M5** A / B	**M6** A / B
K.374	2,1 / 0,25	3,3 / 0,7	3,2 / 0,25	3,7 / 0,25	2,4 / 0,25	2,8 / 0,25
K.474	5,0 / 0,4	6,5 / 1,5	6,0 / 0,4	7,0 / 0,4	4,8 / 0,4	5,5 / 0,4
K.574	6,5 / 0,5	9,5 / 1,5	9,5 / 0,5	10,0 / 0,5	7,5 / 0,5	8,0 / 0,5
K.674	15,0 / 0,9	19,0 / 4,0	19,0 / 0,9	20,5 / 0,9	18,0 / 0,9	17,0 / 1,0
K.774	21,0 / 1,0	29,0 / 4,0	29,0 / 1,0	34,0 / 1,0	25,0 / 1,0	21,0 / 1,0
K.874	37,0 / 2,15	50,0 / 4,0	50,0 / 2,15	60,0 / 2,15	45,0 / 2,15	39,0 / 2,15

Simboli : : **Tappo di riempimento** : **Tappo di scarico** : **Livello olio** : **Tappo sfiato**
Symbols : : *Oil Filling* : *Drain plug* : *Oil level* : *Vent plug*
Symbole : : Ölfüllung : Ölauslass : Ölstand : Entlüftungschraube

K.27. - K.87. Tappi di livello olio per riduttori ad assi ortogonali a cinque-sei stadi
K.27. - K.87. Five-Six Stage Helical-Bevel Geared Motor Oil Level Plugs
K.27. - K.87. Fünf-Sechsstufig Stirn-Kegelradgetriebe Ölverschlußschrauben



Quantità di olio (l) / *Oil Quantities (lt)* / Ölmengen (liter)

Tipo /*Type* / Typ	M1 A / B	M2 A / B	M3 A / B	M4 A / B	M5 A / B	M6 A / B
K.275-276	1,3 / 0,4	2,0/0,4	2,0 / 0,4	2,1 / 0,4	1,3 / 0,4	1,5 / 0,4
K.375-376	2,10 / 0,7	3,3 / 0,85	3,2 / 0,7	3,7 / 0,7	2,8 / 0,7	2,4 / 0,7
K.475-476	5 / 1,2	6,5 / 1,9	6,0 / 1,2	7,0 / 1,2	5,5 / 1,2	4,8 / 1,2
K.575-576	6,5 / 1,2	9,5 / 1,75	9,5 / 1,2	10,0 / 1,2	8,0 / 1,2	7,5 / 1,2
K.675-676	15,0 / 2,0	19,0 / 3,1	19,0 / 2,0	20,5 / 2,0	17,0 / 2,0	18,0 / 2,0
K.775-776	21 / 2,0	31,0 / 3,1	29,0 / 2,0	34,0 / 2,0	21,0 / 2,0	25,0 / 2,0
K.875-876	37,0 / 2,0	50,0 / 3,1	50,0 / 2,0	60,0 / 2,0	39,0 / 2,0	45,0 / 2,0

Simboli :
Symbols :
Symbole :

: **Tappo di riempimento**
: *Oil Filling*
: Ölfüllung

: **Tappo di scarico**
: *Drain plug*
: Ölauslass

: **Livello olio**
: *Oil level*
: Ölstand

: **Tappo sfiato**
: *Vent plug*
: Entlüftungschraube

MOTORI
Motori CA
a- Caratteristiche generali:

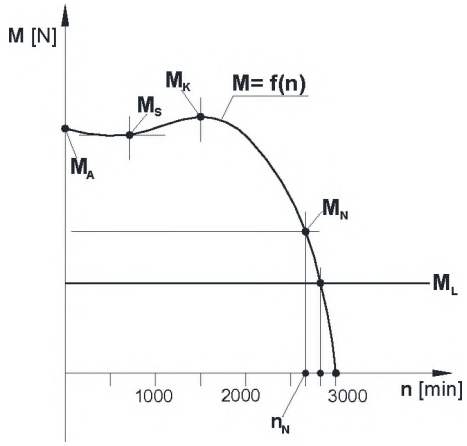
Grazie alla sua semplicità di costruzione, al fatto che non necessita di manutenzione, alla sua buona affidabilità e al prezzo interessante, il motore trifase a gabbia di scoiattolo è uno dei motori elettrici maggiormente utilizzati. Il comportamento di un motore trifase a gabbia di scoiattolo durante il funzionamento è rappresentato dalla curva caratteristica coppia-velocità. La figura qui sotto ne mostra un esempio.

MOTORS
AC Motors
a- General Specifications:

Due to 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 operating 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 die wartungsarme und leichte Konstruktion, hohe Sicherheit bei Nutzung und günstige Preise werden die asynchrone Drehstrommotoren am meisten benutzt. Motoranlaufverhalten wird mit Moment-Drehzahl-Kurve charakterisiert. Ein Beispiel ist unten angegeben.



M_A: **Coppia di avviamento** / *Starting torque* / Anlaufmoment

M_S: **Coppia d'insellamento** / *Pull-up torque* / Anziehungsmoment

M_K: **Coppia massima** / *Pull -out torque* / Bremsmoment

M_N: **Coppia nominale motore** / *Motor rated torque* / Treibmoment

M_L: **Coppia di carico** / *Load torque* / Lastmoment

Il motore segue questa coppia caratteristica finché non raggiunte il punto di stabilizzazione ogni volta che viene acceso. Il punto di funzionamento è il punto in cui la curva della velocità istantanea interseca la linea della coppia di carico M_L.
Il campo magnetico all'interno dello statore ruota a una velocità sincrona n_s. Lo sfasamento di ciascun polo è di 120° nei motori trifase.

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

f.....: frequenza di alimentazione [Hz]
p_s.....: numero dei poli dello statore

Attivato dal campo magnetico alternato presente al suo interno, il rotore inizia a ruotare nella stessa direzione seguita dal flusso nello statore e cerca di mettersi alla pari del flusso rotante. Il rotore non raggiunge mai il campo statorico. Il rotore avanza a una velocità inferiore a quella del campo statorico. Questa velocità è nota come velocità base n_N.
Una diminuzione del carico porterà il rotore ad accelerare o a ridurre lo scorrimento. Lo scorrimento è definito come segue:

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

A seconda dello scorrimento, i valori nominali del motore elettrico possono modificarsi come segue:
Scorrimento s .....:± 20%
Corrente di avviamento.....:± 20%
Coppia di avviamento .....:-15 /+25%
Momento di inerzia.....:± 10%
Rendimento (fino a 37 kW).....:-0,15 (1-η)

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 working 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 known as 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%
Start-up current.....:± 20%
Start-up torque .....:-15 /+25 %
Moment of inertia .....:± 10%
Efficiency (up to 37 kW).....:-0,15 (1-η)

Der Drehstrommotor läuft diese Kurve bei jeder Anlauf, bis dem stabilen Betriebspunkt erreicht wird. Betriebspunkt ist der Zustand, bei dem die Moment-Drehzahl-Kurve sich mit der Linie von 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 in den Rotor, beginnt der Rotor sich in der gleichen Richtung des Statorflusses zu drehen und versucht diese Bewegung aufzuholen. Der Rotor kann den 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:

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

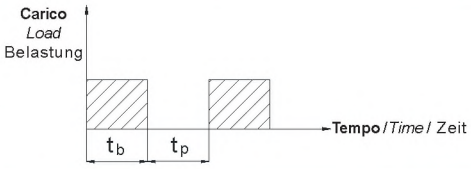
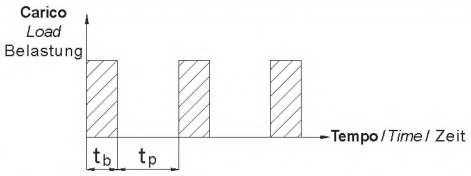
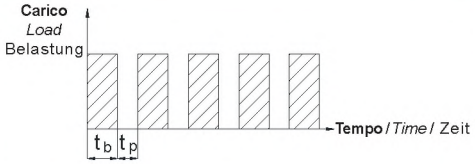
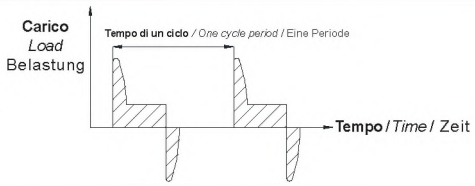
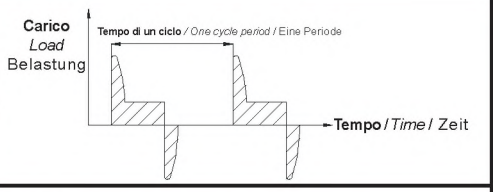
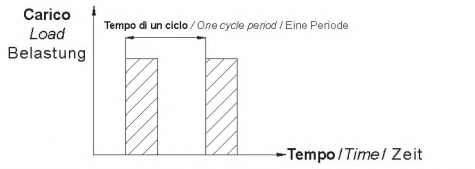
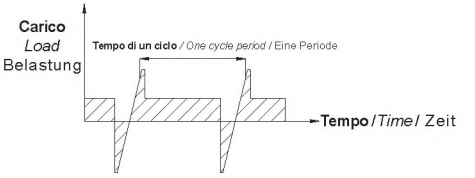
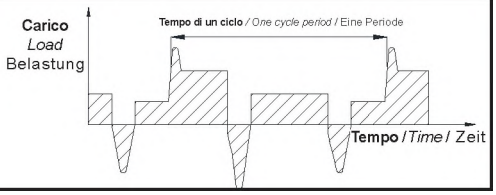
Für die nominale Werte der Drehstrommotoren sind folgende Abweichungen zulässig:

Schlumpf s .....:± 20%
Anzugsstrom .....:± 20%
Anzugsmomet .....:-15 /+25 %
Massentägheitsmoment .....:± 10%
Wirkungsgrad (bis 37 kW).....:-0,15 (1-η)

b- Modalità di funzionamento
Tutti i motori presentati in questo catalogo sono stati predisposti per operare in servizio S1 (servizio continuativo). Altri tipi di servizio sono riportati nella tabella seguente.

b-Modes of Operation
All motors of the catalog have been arranged 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.

Servizio *Operation* Betriebsarten	**Spiegazione** *Explanation* Erläuterung	**Diagramma di carico** *Load Chart* Lastverläufe
S1	**Servizio continuativo con carico costante** *Continuous operation under constant load* Dauerbetrieb mit konstanter Belastung	
S2	**Servizio di durata limitata con carico costante** *Short-time duty under constant load* Kurzbetrieb mit konstanter Belastung	
S3	**Servizio periodico senza avviamenti che influiscono sulla temperatura** *Periodic duty without influence of start-up on temperature* Aussetzbetrieb ohne Einfluß des Anlaufens auf die Temparatur	
S4	**Servizio periodico con avviamenti che influiscono sulla temperatura** *Periodic duty with influence of start up on temperature* Aussetzbetrieb mit Einfluß des Anlaufes auf die Temparatur	
S5	**Servizio periodico con avviamenti e frenature che influiscono sulla temperatura** *Periodic duty with influence of startup and braking on temp.* Aussetzbetrieb mit Einfluß des Anlaufens / Bremsung auf die Temp.	
S6	**Servizio continuativo con carico intermittente** *Continuous operation with intermittent loading* Durchlaufbetrieb mit Ausetzungsbelastung	
S7	**Servizio continuativo con carico intermittente e frenature** *Continuous operation with intermittent loading and breaking* Ununterbrochener Betrieb mit Anlauf und Bremsung	
S8	**Servizio di tipo continuativo con variazioni correlate di carico e velocità** *Continuous operation duty type with related load-speed changes* Ununterbrochener periodischer Betrieb mit Drehzahländerung	

c- Classe di protezione:
Brevini Power Transmission S.p.A. utilizza di serie motori elettrici con classe di protezione IP54 (IEC 34-5). Se sono richieste classi di protezione diverse, vi invitiamo a contattarci.

d- Classe di isolamento:
Brevini Power Transmission S.p.A. utilizza di serie motori elettrici con classe di isolamento F (IEC 317-8). Su richiesta, è disponibile anche la classe di isolamento H.

e- Classi di rendimento:
Il metodo per misurare il rendimento dei motori asincroni trifase in bassa tensione è stato modificato con l'entrata in vigore della nuova norma IEC 60034-2-1:2007. La nuova classe IE si applica per i motori CA di potenza compresa tra 0,75 e 375 kW. Diversamente da quanto avviene per la classe EFF, la classe IE può essere utilizzata per motori CA a 6 poli. Riportiamo qui sotto la tabella delle classi di rendimento. Le direttive per le classi di rendimento possono essere diverse da un Paese all'altro. Vi invitiamo a contattarci se avete bisogno di maggiori informazioni. I requisiti concernenti il rendimento dei motori che sono completamente integrati in un prodotto (p.es. riduttore, pompa) e il cui rendimento energetico non può quindi essere identificato separatamente non si applicano in Europa.

c- Protection Class:
Brevini Power Transmission S.p.A. uses IP54 (IEC 34-5) protection class electric motors for standard products. If different kind of protection class is required please contact us.

d- Insulation Class:
Brevini Power Transmission S.p.A. uses F (IEC 317-8) insulation class electric motors for standard products. H insulation class is available upon request.

e- Efficiency Classes:
The method for measuring the low voltage three-phase asynchronous motors efficiency was revised with the new IEC 60034-2-1:2007 standard. The new IE class is valid for AC Motors in power range from 0,75 to 375 kW. Unlike the EFF class IE class 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. The efficiency requirements for motors, which are fully integrated into a product (for example gear, pump) so their energy efficiency can not be recognized independently, are not valid in Europe.

c- Schutzarten:
Brevini Power Transmission S.p.A. Getriebemotoren werden serienmäßig mit Schutzart IP54 (IEC34-5) ausgeführt. Für andere Schutzarten bitte rückfragen.

d- Isolationsklasse:
Brevini Power Transmission S.p.A. Getriebemotoren werden serienmäßig in Wärmeklasse F (IEC317-8) ausgeführt. H Wärmeklasse ist möglich auf Kundenwunsch.

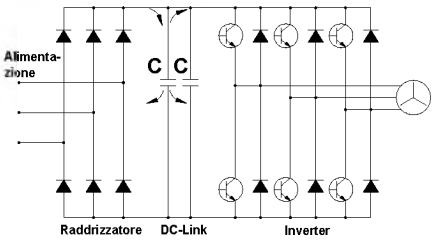
e- Energieeffizienzklassen:
Die Methode für Messung die Effizienz von drei phasigen gering Spannung Asynchronmotoren hat neu mit IEC 60034-2-1:2007 Norm festgestellt. Die neue IE-Klassen gelten für alle Drehstrommotoren im Leistungsbereich von 0,75 bis 375 kW. Anders als EFF-Klassen die IE-Klassen können 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 unserem 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.

Classi di rendimento *Efficiency Classes* Energieeffizienzklassen			**Calcolo dei valori di rendimento di motori a 4 poli** *Calculating Efficiency Values of 4-Pole Motors* Berechnung der Wirkungsgrade von Elektromotoren mit 4 Polen	
IE1	EFF 2	**Rendimento standard** *Standard 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	**Rendimento elevato** *High Efficiency* Hohe Energieeffizienz	A=0,0278 B=-1,9247 C=10,4395 D=80,9761	P_L : **Carico nominale [kW]** / *Nominal Load [kW]* / Nennlast [kW]
IE3	-	**Rendimento Premium** *Premium Efficiency* Premium Energieeffizienz	A=0,0773 B=-1,8951 C=9,2984 D=83,7025	η_{Mn} : **Rendimento nominale [kW]** / *Nominal Efficiency [kW]* / Sollwirkungsgrad
IE4	-	**Rendimento Super Premium** *Super Premium Efficiency* Super Premium Energieeffizienz	-	

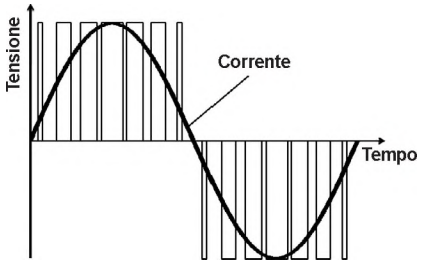
Valori di rendimento di motori a 4 poli *Efficiency Values of Motor with 4 poles* Sollwirkungsgrad des Motors mit 4 Polen	**Carico nominale [kW]** *Nominal Load [kW]* Nennlast [kW]	**Classe di rendimento** / *Efficiency Class* / Energieeffizienzklasse		
		IE1	IE2	IE3
	0,75	72,1%	79,6%	82,5%
	1,5	77,2%	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- Convertitori di frequenza in CA

Un convertitore elettronico che converte la corrente continua (CC) in corrente alternata (CA) è chiamato inverter. I controller elettronici di velocità per motori CA generalmente convertono la corrente CA in corrente CC utilizzando un rettificatore, dopodiché la riconvertono in corrente CA a frequenza e tensione variabili utilizzando un inverter bridge. Il collegamento tra il rettificatore e l'inverter è chiamato DC-link. Qui sotto è raffigurato lo schema a blocchi di un controller di velocità (spesso chiamato inverter).

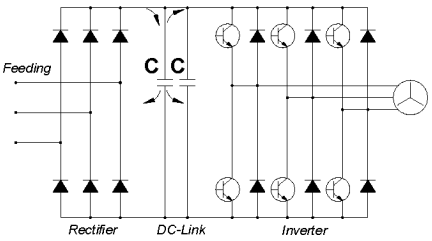


La corrente trifase arriva a un raddrizzatore a onda intera che, a sua volta, alimenta i condensatori del DC-link. I condensatori riducono l'ondulazione della tensione (soprattutto con alimentazioni singole) e forniscono energia da utilizzare in caso di brevi interruzioni di corrente. La tensione nei condensatori non è controllata e varia in funzione del picco della tensione di alimentazione in CA. La tensione in CC viene riconvertita in tensione in CA utilizzando la modulazione ad ampiezza di impulsi (Pulse Width Modulation, PWM). La forma d'onda desiderata si ottiene attivando e disattivando i transistor in uscita (Transistor bipolari a gate isolato; IGBTs, Insulated Gate Bipolar Transistors in inglese) con una frequenza fissa (frequenza di commutazione). Variando la frequenza di attivazione e disattivazione degli IGBT si riesce a generare la corrente desiderata. La tensione in uscita corrisponde a una serie di impulsi ad onda quadra e l'induttanza degli avvolgimenti del motore determina una corrente sinusoidale nel motore stesso. La figura qui sotto mostra la modulazione ad ampiezza di impulsi.

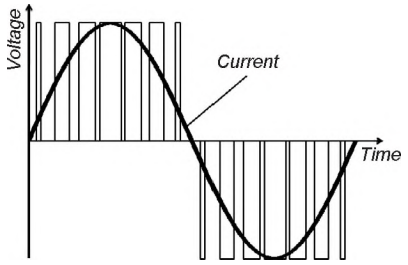


f- AC Frequency Inverters

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 converts it back to a variable frequency, variable voltage AC supply using an inverter bridge. The connection between the rectifier and inverter is called DC link. The block diagram of a speed controller (often called inverter) is shown below.

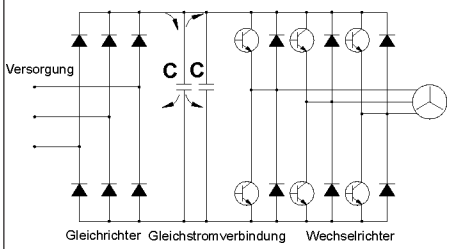


The three phase supply is fed into a full wave rectifier which supplies the DC link capacitors. The capacitors reduce the voltage ripple (especially on single supplies) and supply energy for short mains breaks. The voltage on the capacitors is uncontrolled and depends on the AC supply voltage peak. The 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 (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.

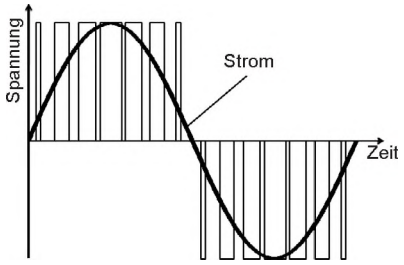


f- AC Frequenz Umrichter

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. Der Anschluss zwischen dem Gleichrichter und dem Wechselrichter nennt man Gleichstromverbindung. Das Blockschaltbild von diesem System wurde unten dargestellt:



Auch bei dreiphasiger Versorgung wird die gleichrichtete 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



MOTORI CC

a- Caratteristiche generali dei motori CC

A seguito dello sviluppo del settore dei componenti elettronici, i sistemi di azionamento a CC hanno trovato nuove possibili applicazioni. Ciò che un tempo era estremamente costoso e in alcuni casi economicamente non fattibile, oggi viene realizzato grazie alla tecnologia dei convertitori di potenza miniaturizzati. Ulteriori funzioni quali l'avviamento guidato dopo un tempo prestabilito, il monitoraggio delle coppie e della corrente con dispositivi elettronici di protezione contro i sovraccarichi e molte applicazioni tutt'altro che costose hanno fatto crescere l'interesse per i sistemi di azionamento in CC.

b- Principi di funzionamento dei motori CC

Il motore CC ha bisogno di un convertitore con uscita in CC. Il motore include degli avvolgimenti come per esempio quelli di indotto, di campo, di commutazione e di compensazione, che sono posizionati sia nello statore che sul rotore. Il rotore viene alimentato in tensione e corrente tramite le spazzole al carbonio e il commutatore. Le spazzole al carbonio sono componenti soggetti a usura, pertanto un motore CC necessita di interventi di manutenzione a intervalli stabiliti. Per via delle sue buone caratteristiche di controllo, il motore CC è un elemento essenziale della tecnologia dell'automazione.

c- Tipi di motori CC

A seconda del cablaggio dell'avvolgimento di eccitazione o dell'avvolgimento di campo si distinguono due varianti sostanzialmente diverse sotto il profilo delle caratteristiche di coppia e velocità di rotazione.

d- Controllo della velocità di rotazione dei motori CC

Nei motori CC la velocità di rotazione viene regolata modificando la tensione CC. I motori CC eccitati in derivazione funzionano in maniera simile ai motori trifase a induzione in servizio senza carico e con carico massimo. La velocità di rotazione diminuisce man mano che aumenta il carico sul motore. Questa differenza è maggiore nei motori di piccole dimensioni, ed è minore nei motori di dimensioni più grandi. La differenza di velocità di rotazione può essere compensata nel convertitore CC regolando (I x R). Laddove è necessaria una grande precisione di controllo, si può utilizzare un controller di velocità con misurazione dei valori effettivi da parte di una dinamo tachimetrica. Potenza di un motore CC:

$$P_g = U \times I = \frac{P_c}{\eta}$$

P_g : **Potenza in entrata W**
P_c : **Potenza in uscita W**
U : **Tensione di armatura V**
I : **Corrente di armatura A**
η : **Rendimento motore**

DC MOTORS

a- General Specifications of DC Motors

DC drive systems have found new possible applications with the development of the electronic components sector. What was previously extremely expensive and in some cases not economically feasible is nowadays realized by the miniaturized power converter technology. Additional functions such as guided startup after a predetermined time, torque and current monitoring with electronic protection against overloading, and many inexpensive special applications have made DC drive systems more attractive.

b- Operating principles of DC Motors

The DC motor requires a converter with DC output. The motor includes windings, such as armature, field, commutation and compensation windings, which are arranged in the stator as well as on the rotor. Voltage and current are supplied to the rotor via the carbon brushes and the commutator. The carbon brushes are wearing parts therefore a DC motor requires maintenance at service intervals. Due to its good control properties, the DC motor is an essential item in automation technology.

c- Types of DC Motors

Depending on the wiring of the exciting winding or field winding, two basically different variants regarding torque speed characteristics may be distinguished.

d- DC motors Speed Control

In DC motors the speed is adjusted by altering the DC voltage. DC shunt wound motors operate similarly to three phase induction motors in no load and maximum load operation. The speed drops with increased loading on the motor. This difference is greater in small motors and smaller in larger motors. The speed difference can be compensated in the DC converter device by adjusting (I x R). If great control accuracy is required, a speed control with measurement of the actual values by a tachogenerator can be used. The power of DC motor;

$$P_g = U \times I = \frac{P_c}{\eta}$$

P_g : *Input Power W*
P_c : *Output Power W*
U : *Armature Voltage V*
I : *Armature Current A*
η : *Motor efficiency*

DC MOTOREN

a- Eigenschaften von DC Motoren

Mit den Entwicklungen bei elektronischen Komponenten haben DC Motoren neue Anwendungsbereiche gefunden. Regelungssysteme, die früher sehr teuer und im manchen Anwendungsfällen ungünstig waren, sind jetzt kompakt und günstig. Bei den DC Motoren ist kontrolliertes Anlauf, Moment- und Stromüberwachung mit Überlastschutz möglich. Es gibt viele günstige Sonderanwendungen für diese Motoren. Wegen oben genannten Eigenschaften werden die DC Motoren immer mehr bei unterschiedlichen Anwendungen benutzt.

b- Funktionsprinzip der DC Motoren

Bei DC Motoren ist eine Kommutatorwicklung im Rotor angeordnet, während der magnetische Fluss vom Stator erzeugt wird. Dies kann wiederum mittels einer Erregerwicklung oder durch Permanentmagnete geschehen. Wie bei der Synchronmaschine wird durch das Erregerfeld in der Ankerwicklung eine Wechselspannung, die bei der Gleichstrommaschine jedoch durch den mechanischen Kommutator und die darauf schleifenden Bürsten in eine Gleichspannung umgeformt wird, induziert.

c- Arten von DC Motoren

Es gibt zwei verschiedene Wicklungen, nämlich Shunt- und Serial-Wicklung. Das Drehmoment-Drehzahl-Verhältnis ist für beide Wicklungen unterschiedlich.

d- Drehzahl Kontrolle für DC Motoren

Drehzahl von DC Motoren kann man mit Steuerung der DC Spannung ändern. DC Motoren mit Shunt Wicklungen ist ähnlich zu drei phasen AC Motoren zwischen maximalen Last und ohne Last. Drehzahl wird mit der Last reduziert. Mit kleineren Motoren wird dieser Differenz höher mit großeren Motoren kleiner. Der Drehzahlunterschied kann geregelt werden mit (IxR) Veränderung. Wenn eine genaue Kontrolle gebraucht, soll ein Tachogenerator benutzt werden. Leistung des DC Motors;

$$P_g = U \times I = \frac{P_c}{\eta}$$

P_g : Eingangsleistung W
P_c : Ausgangsleistung W
U : Ankerspannung V
I : Ankerstrom A
η : Wirkungsgrad des Motors

Freni elettromagnetici

Questo tipo di freni ha due superfici di attrito. Se non viene applicata tensione, la coppia frenante viene generata da molle. Il freno è azionato elettromagneticamente. Eccitando l'unità elettromagnetica di corrente l'ancora viene attirata verso l'elettromagnete, caricando con spinta assiale la molla di pressione e consentendo al disco frizione, che può muoversi sulla chiavetta in direzione assiale, di ruotare liberamente. In caso di assenza di corrente, le molle pressurizzate azionano l'ancora spingendola verso il disco, frenando così l'albero motore.

Tipi di freni
a) Freni senza raffreddamento
Questo tipo di freno viene montato sulla calotta posteriore del motore elettrico. In questo caso il motore è privo di ventola. Questo tipo di freno viene generalmente scelto quando si hanno tempi di funzionamento brevi e cicli di lavoro corti.
b) Freni con ventola di raffreddamento
Questo tipo di freno viene montato sulla calotta posteriore del motore elettrico togliendo la ventola del motore elettrico. Al lato posteriore del freno viene fissata una ventola allungando l'albero del rotore del motore elettrico. Si preferisce utilizzare freni con ventola di raffreddamento quando si hanno lunghi tempi di funzionamento e il motore è installato in ambienti chiusi privi di ventilazione.
c) Freni con azionamento manuale
Questo freno può essere azionato a mano. Può essere montato su entrambe le tipologie di freni sopra descritte e utilizzato in casi particolari (mancanza di corrente elettrica, problemi meccanici, ecc.). Questi freni vengono generalmente scelti se c'è bisogno di poterli utilizzare (azionare) in assenza di corrente (porte a controllo automatico, cancelli, elevatori per operazioni di verniciatura dei muri di edifici, ecc.).

Tensioni di esercizio
I freni elettromagnetici possono essere ordinati nelle versioni con tensione di alimentazione da 230 V CA o 400 V CA. La bobina dei freni ha bisogno di tensione CC pertanto, a seconda del tipo di freno, è opportuno inserire un raddrizzatore a mezz'onda, un raddrizzatore a onda intera o un trasformatore tra la tensione di alimentazione e la tensione della bobina. In assenza di specifica richiesta, i freni vengono forniti come standard con una tensione di alimentazione a 230 V e un raddrizzatore a mezz'onda. Per applicazioni particolari si prega contattare Brevini Power Transmission S.p.A.
a) <u>Freni con tensione di alimentazione a 230 V</u>
La tensione di alimentazione in CA a 230 V proveniente dalla morsettiera del motore viene portata alla tensione idonea per la bobina da un raddrizzatore a mezz'onda o a onda intera, a seconda del tipo di freno. La tensione CC della bobina del freno è indicata sulla targhetta.
B) <u>Freni con tensione di alimentazione a 400 V</u>
La tensione di alimentazione in CA a 400 V proveniente dalla morsettiera del motore viene portata alla tensione idonea per la bobina da un raddrizzatore a mezz'onda. La tensione CC della bobina del freno è indicata sulla targhetta.
c) <u>Freni in CC a 24 V</u>
Le dimensioni del trasformatore sono scelte in base al valore della coppia frenante. La corrente viene presa dalla morsettiera del motore elettrico o dal quadro elettrico e viene trasformata in corrente CC a 29 V. Questa, a sua volta, viene trasformata in corrente CC a 24 V con un raddrizzatore a mezz'onda e va ad alimentare la bobina del freno.

Electromagnetic Brakes

This type of brake has two friction surfaces. The brake torque is generated by springs when no voltage is applied. The brake is electromagnetically released. On exciting the current electromagnet unit, 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. In case of current failure, the pressured springs drive the armature plate towards the disc, thus braking the motor shaft.

Brake Types
a) Brakes without cooling
This type of brake is 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 brakes
This type of brake is 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 release
This brake can be released by using an arm. It can be applied to both above mentioned brakes and used in special cases (electric current failure, mechanical problems etc.). These brakes are mostly preferred if operation (releasing) without 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 the 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 Brevini Power Transmission S.p.A..

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 transformer size is selected according to the brake torque value. 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 the 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, drücken die Feder die Ankerscheibe gegen die Bremsscheibe und halten die Motorwelle an.

Bremsearten:
a)Bremsen ohne Kühlung
Diese Bremsen sind für Kurzlaufzeiten geeignet. Die Lüfterhaube und Lüfter des Motors ist 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 Lüfter hinter dem 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 der speziellen Fälle, 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 Türe, Wandaufzüge).

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

a) <u>Bremsen mit 230V Versorgungsspannung</u>
230V AC Versorgungsspannung von Klemmenkasten wird auf die Wicklungsspannung abhängig von der Bremsentyp mit Halbwellen-oder Vollweggleichrichter reduziert. Wicklungsspannung 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 von den Klemmkasten des Motors oder Elektrikschrank entnommen. Diese Spannung wird zuerst mittels Transformator zu 24 V reduziert. Danach wird diese Spannung mit Hilfe von Gleichrichter zu Gleichstromspannung umgewandelt. Die Größe des Transformators ist abhängig von der Größe des Bremsmoments.

d) Trasformatore generante tensioni d'urto
I freni che hanno potenza e coppie elevate impiegano molto tempo per generare il campo elettromagnetico. I trasformatori generanti tensioni d'urto provvisti di relè temporizzato servono per vincere la pressione della molla che ritarda l'azionamento dei freni. Questi trasformatori, inoltre, aprono repentinamente il sistema applicando una tensione di alimentazione doppia (in CC a 48 V) per un breve lasso di tempo e impedendo le perdite di attrito che si verificano quando l'apertura è rallentata.

Tipi di connessione
a) Frenatura ritardata
Generalmente questo tipo di connessione viene utilizzato per sistemi in cui è richiesta una frenatura lenta e graduale. Tipo di connessione ritardata usata per prevenire carichi con urti in sistemi di azionamento di gru. In assenza di richieste diverse da parte del cliente, vengono montati freni con connessione ritardata

b) Immediata/Rapida
Questo tipo di connessione è generalmente adottata per sistemi in cui sono richiesti tempi di frenatura brevi. La coppia frenante si genera immediatamente nel momento in cui il sistema non riceve più corrente. Questi freni sono per lo più utilizzati per apparecchiature di sollevamento e ascensori.

d) Shock voltage supply transformer
Brakes which consist of high power and torques take long time to obtain the electromagnetic field. Shock voltage supply transformers with time relay aim to overcome spring pressure delaying for brakes. Also these transformers open the system suddenly by double power supply (48V DC) voltage in a short time and preventing frictional losses that occur in delayed opening.

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

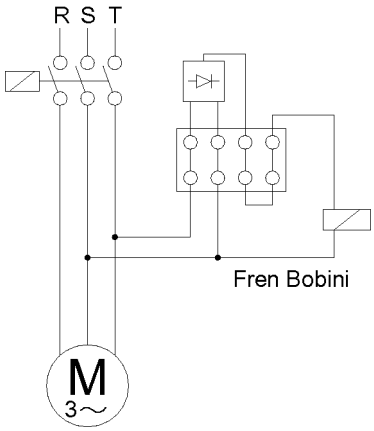
b) Immediate/Fast
This type of connection is mostly used in systems when short braking times are needed. The braking torque will be produced as soon as there is a current failure. These brakes are mostly used in hoisting operations of lifting units and elevators.

d) Trafos mit Schock-Spannung
Diese Transformatoren werden bei großen Bremsen mit hohen Momenten verwendet. Da die große Bremsen eine lange Zeit braucht, um die 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.

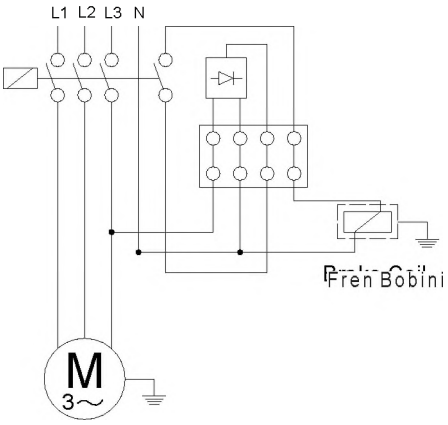
Schaltungsarten:
a) Verspätetes Bremsen
Diese Schaltung wird benutzt, wenn ein langsames und gleitendes Bremsen erforderlich ist. Am meisten wird es bei Fahrgetriebemotoren von Aufzügen verwendet. Wenn keine Angabe bei der Bestellung gegeben wird, werden die Bremsen mit verspäteter Schaltung geliefert.

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 Kräne und Motoren von Aufzüge verwendet.

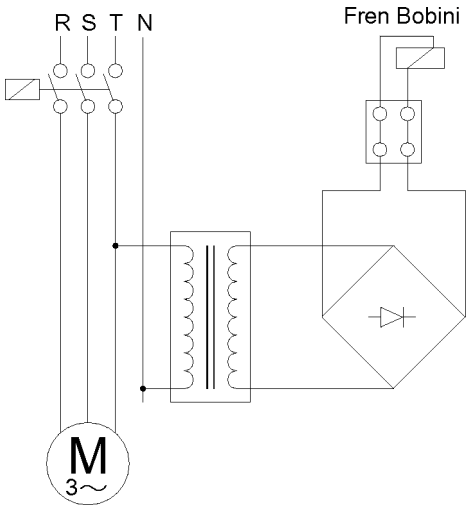
Frenata ad effetto ritardato / *Delayed Operation Brake* / Verspätete Bremsung
(230 V)



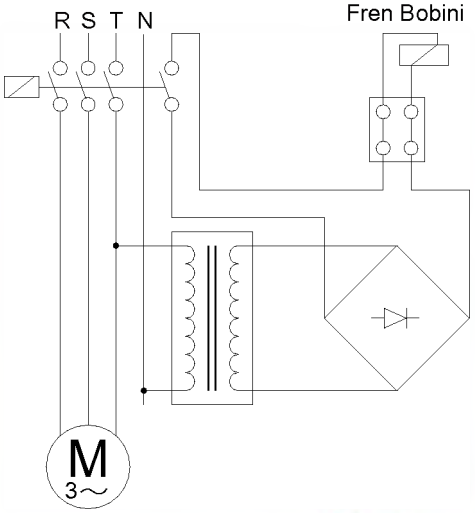
Frenata improvvisa / *Sudden Brake* / Plötzliche Bremsung
(230 V)



Frenata ad effetto ritardato / *Delayed Operation Brake* / Verspätete Bremsung
(24 V)



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





Informazioni generali
General Information
Einführung

Scelta dei freni:

Per scegliere correttamente i freni sono necessari i dati seguenti:

- I_{tot} [kg . m²] : **L'inerzia totale delle parti rotanti ridotta all'albero motore**
- n_0 [giri/min.]: **Velocità massima di rotazione del motore.**
- t_f [s] : **Il tempo massimo di frenata consentito.**
- c_t : **Coefficiente tempo di attivazione (valore medio 0,995).**
- M_L [Nm] : **Coppia statica richiesta per il sistema.**
- C_s : **Fattore di sicurezza ($C_s \geq 2$)**

La coppia frenante necessaria si calcola come segue:

a) La coppia di carico statica M_L, stesso senso di rotazione del motore (riduzione del carico o coppia resistente costante per favorire la rotazione del motore)

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

b) La coppia di carico statica M_L, opposta al senso di rotazione del motore (aumento del carico o coppia resistente costante per resistere alla rotazione del motore)

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

La coppia frenante necessaria si calcola con l'equazione seguente, utilizzando C_s ($C_s \geq 2$):

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

Scelta orientativa dei freni
Se si conoscono solo la potenza del motore e la sua velocità di rotazione massima:

W [Watt]: Potenza nominale motore

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

Brake Selection:

To correctly select a brake the following data is 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 braking time.*
- ***c_t*** *: Coefficient of switch on time (average 0.995).*
- ***M_L [Nm]*** *: Required static torque of the system.*
- ***C_s*** *: Safety coefficient ($C_s \geq 2$)*

The necessary braking torque is calculated below;

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

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

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

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

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
It is only the motor power and its maximum speed is known:

W [Watt]: Motor Nominal Power

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

Bremswahl:

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 desMotors
- 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;

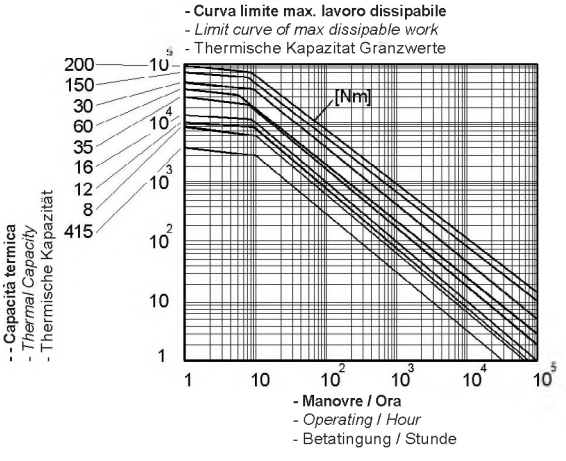
$$M_f = M_{fc} \times C_s$$

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

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

Freni Standard / *Standard Brakes* / Standart Bremsen

Coppia Frenante Statica [Nm] *Brake Static Torque [Nm]* Statische Bremskraft [Nm]	4,5	8	12	16	35	60	80	150	200
Coppia Frenante Dinamica [Nm] *Brake Dynamic Torque [Nm]* Dynamische Bremskraft [Nm]	3,6	6,4	9,6	12,8	28	48	64	120	160
Velocità di Rotazione Massima del Motore [giri/min.] *Maximum Motor Speed [rpm]* Maximale Motordrehzahl [U/min]	3000	3000	3000	3000	3000	3000	3000	1500	1500
Potenza in Entrata [W] *Input Power [W]* Antriebsleistung [W]	15	20	25	30	45	50	55	60	65



Capacità termica dei freni

Dopo aver effettuato i calcoli suddetti occorre verificare anche la capacità termica dei freni. L'energia di dissipazione del calore L (joule) la si può calcolare utilizzando l'equazione seguente, e va verificata se il risultato si situa al di sotto della curva limite illustrata nel diagramma "Curva limite max. lavoro dissipabile".

a) La coppia di carico statica M_L, favorisce la rotazione del motore (riduzione del carico)

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

b) La coppia di carico statica M_L, resiste alla rotazione del motore (aumento del carico)

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

c) La coppia di carico statica M_L, è costante e resiste o favorisce la rotazione del motore (eccetto aumento del carico)

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

Regolazione dell'air-gap:

Affinchè le prestazioni dei freni rimangano inalterate per tutta la loro durata di vita è necessario che l'air-gap venga regolato dopo un certo numero di ore di lavoro. Vi invitiamo a contattarci per maggiori dati sull'air-gap e sull'intervallo di tempo tra una regolazione e l'altra.

Esempio di selezione:
Tempo massimo di frenata consentito 0,5 s
Velocità di rotazione del motore: 1400 giri/min.
Inerzia totale ridotta all'albero motore: 0,08 kgm^2

Coppia di lavoro richiesta: 50 Nm
Natura del carico: la direzione di carico è uguale alla direzione di rotazione del motore (processo di scarico: tempo di avvio-arresto per ora: 30)

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

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

In base alla tabella di selezione dei freni, la scelta si porta su un freno standard da 160 Nm.
Capacità termica necessaria

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

=1302,0<18000 Joule (dalla curva dei 160 Nm)
Il freno selezionato, da 160 Nm, è adeguato.

Brake Thermal Capacity

The thermal capacity of the brake must also be checked after the above mentioned calculations. The 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 possible dissipable work".

a) The static load torque M_L, favors the motor rotation of the (load descent which favors the motor rotation)

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

b) The static load torque M_L, opposes the motor rotation (load lifting which opposes the motor rotation)

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

c) The static load torque M_L, is constant and opposes or favors the motor rotation (except load lifting)

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

Adjustment of the air-gap:

In order to obtain the same performance from the brake during its lifetime, the brake air-gap 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:
Maximum permitted braking time for 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)

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

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

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, werden mit den folgenden Formeln berechnet. Die gerechnete Kapazitätswerte sollen unter dem 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 der 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 das 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

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

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

Eine Bremse von 150 Nm kann man auswählen.

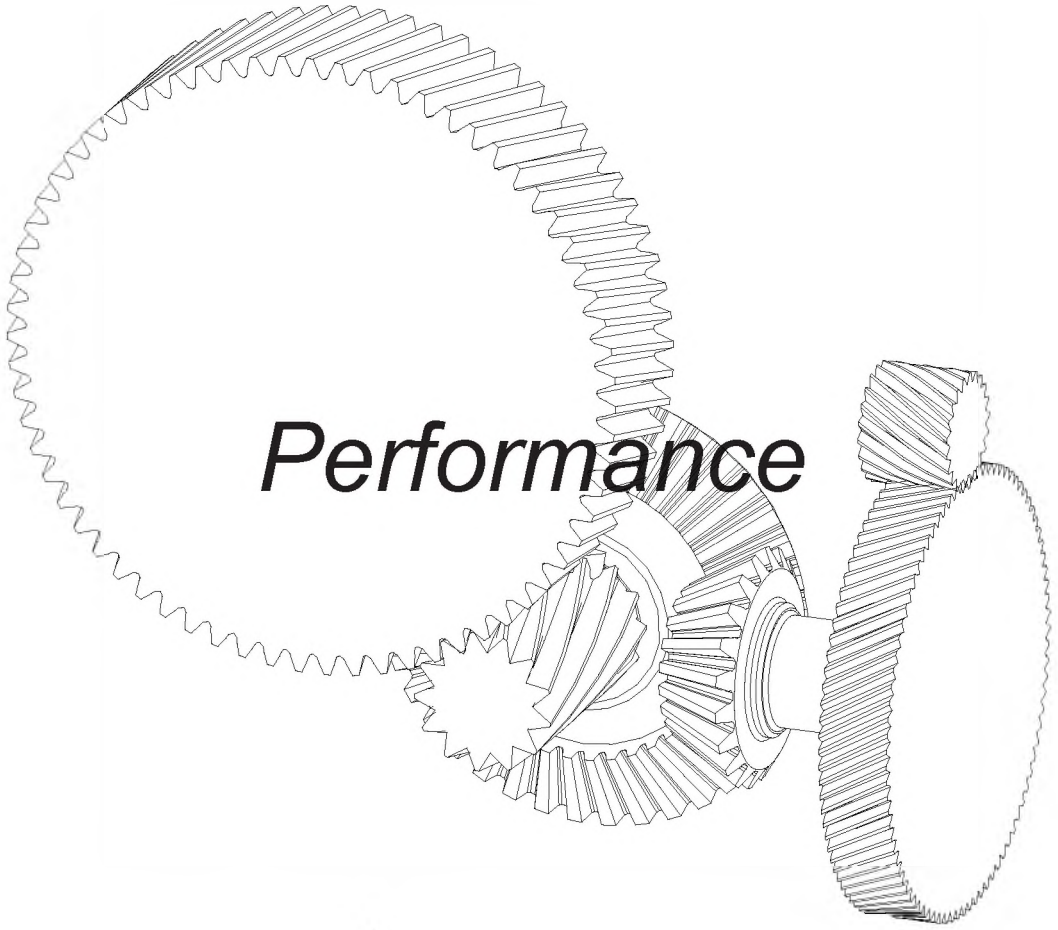
Die thermische Kapazität;

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

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

Note / *Notes* / Notizen

Prestazioni



Leistung und Drehzahlübersicht



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore *Motor Eff. Class* Motor Effizienz-klasse
0,12 0,18	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	138	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	138	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	126	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	126	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	114	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	114	IE1
	1,5 1,9	574 479	**881,79** **735,42**	11145 11863	0,8 0,9	**KR276-G63/4a**	0,41	30	102	IE1
	1,9 2,0 2,4 2,7 3,1 3,8 4,5 5,4 6,3 6,8 10	479 449 382 332 291 241 201 168 145 134 89	**719,79** **675,13** **573,99** **498,55** **436,24** **360,73** **300,85** **252,20** **215,91** **200,35** **131,68**	11862 12064 12488 12772 12990 13234 13412 13557 13646 13683 14145	0,9 1,0 1,2 1,4 1,5 1,9 2,2 2,7 3,1 3,4 4,0	**KR275-G63/4a**	0,41	29	102	IE1
	9,9 11	106 92	**138,53** **119,62**	10316 9906	2,6 3,0	**KR203-G63/4a**	0,41	16	94	IE1
	11	99	**129,27**	6729	1,4	**KR103-G63/4a**	0,41	12	90	IE1



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,12 0,18	12 13 15 18 20 22	89 81 68 59 52 48	**116,34** **105,26** **88,87** **76,13** **67,22** **62,79**	6883 7001 7157 7256 7315 7342	1,6 1,7 2,1 2,4 2,7 2,9	**KR103-G63/4a**	0,41	12	90	IE1
	11 14 15 17 20 24 28 30 39 46 53 57	93 75 69 62 52 44 38 35 27 23 20 18	**120,91** **98,44** **89,62** **80,66** **67,44** **57,16** **48,93** **45,41** **35,34** **29,95** **25,64** **23,79**	3531 4201 4408 4585 4810 4944 5038 5072 4972 4742 4532 4433	0,9 1,1 1,2 1,3 1,5 1,8 2,1 2,3 2,9 3,5 4,0 4,0	**KR003-G63/4a**	0,41	11	86	IE1
	69 84 93 103 123 145 170 183	15 13 11 10 8,6 7,3 6,3 5,8	**19,88** **16,18** **14,73** **13,26** **11,09** **9,40** **8,04** **7,46**	4199 3946 3834 3712 3512 3334 3175 3101	4,0 4,0 4,0 4,0 4,0 4,0 4,0 4,0	**KR002-G63/4a**	0,41	10	86	IE1
0,18 0,25	0,12 0,13 0,16 0,19 0,22 0,24 0,27 0,31 0,35 0,39 0,45	12027 10648 8974 7644 6560 5943 5193 4585 4081 3658 3175	**7938,12** **7017,76** **5902,70** **5018,35** **4299,81** **3891,23** **3396,71** **2996,39** **2665,68** **2387,89** **2074,42**	96372 101842 107759 111973 115121 116636 118622 120155 121374 123281 128178	1,2 1,4 1,7 2,0 2,3 2,5 2,9 3,3 3,7 4,0 4,0	**KR876-3E71M/6C** **KR876-2E71M/6B**	0,55 0,60	646 645	174	IE3 IE2
	0,37 0,49 0,58	3766 2890 2445	**3597,31** **2755,47** **2328,84**	- 20604 25068	0,7 0,9 1,1	**KR576-G63/4b**	0,60	156	138	IE1
	0,60 0,71 1,0 1,1 1,4 1,7	2393 2025 1467 1304 1002 848	**2236,28** **1890,04** **1368,95** **1216,74** **932,00** **787,70**	25513 28383 31902 32739 34264 34954	1,1 1,3 1,8 2,1 2,7 3,2	**KR575-G63/4b**	0,60	152	138	IE1
	0,76 0,91 1,0 1,1 1,2 1,4 1,5	1893 1583 1496 1309 1228 1045 971	**1767,90** **1476,60** **1395,04** **1218,61** **1142,99** **971,77** **901,03**	12768 16283 17091 18641 19241 20486 20944	0,8 1,0 1,0 1,2 1,3 1,5 1,6	**KR475-G63/4b**	0,60	110	126	IE1

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / Geared motor prices are different for IE2 and IE3 motors. / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
0,18 0,25	1,6	909	**844,06**	21342	1,7	**KR475-G63/4b**	0,60	110	126	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	122	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	114	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	110	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	110	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	102	IE1
	8,2 9,6 11	184 157 136	**113,65** **96,68** **83,48**	13475 13588 13672	2,4 2,9 3,3	**KR273-3E71M/6C** **KR273-2E71M/6B**	0,55 0,60	23 22	98	IE3 IE2
	12 14	127 109	**113,65** **96,68**	13715 13835	3,5 4,0	**KR273-G63/4b**	0,60	21	98	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	94	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	16	94	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	90	IE3 IE2
	10 12 13	152 137 124	**129,27** **116,34** **105,26**	5455 5902 6228	0,9 1,0 1,1	**KR103-G63/4b**	0,60	12	90	IE1

*: **I prezzi dei motoriduttori IE2 e IE3 sono differenti.** / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,18 0,25	15 18 20 21 25 30 35	105 90 80 74 63 53 45	**88,87** **76,13** **67,22** **62,79** **53,07** **44,32** **38,22**	6624 6873 7021 7086 6957 6622 6353	1,3 1,6 1,8 1,9 2,2 2,7 3,0	**KR103-G63/4b**	0,60	12	90	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	11	86	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	10	86	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	86	IE1
0,25 0,34	0,16 0,18 0,20 0,24 0,29 0,33 0,37 0,42 0,48 0,54 0,60	12585 11054 9787 8248 7025 6029 5462 4773 4214 3751 3362	**9052,24** **7938,12** **7017,76** **5902,70** **5018,35** **4299,81** **3891,23** **3396,71** **2996,39** **2665,68** **2387,89**	93983 100294 104980 109927 113658 116464 117976 119816 121167 122163 126388	1,2 1,4 1,5 1,8 2,1 2,5 2,7 3,1 3,6 4,0 4,0	**KR876-3E71M/4C** **KR876-2E71M/4B**	0,67 0,71	648 647	174	IE3 IE2
	0,20 0,22 0,26 0,32 0,36 0,41	9930 8858 7801 6287 5522 4889	**7156,22** **6380,72** **5610,63** **4516,30** **3960,44** **3501,26**	41071 49391 55893 63529 66795 69254	0,8 0,9 1,0 1,3 1,4 1,6	**KR776-3E71M/4C** **KR776-2E71M/4B**	0,67 0,71	392 391	162	IE3 IE2
	0,69 0,80	2961 2556	**2066,04** **1786,65**	75548 76703	2,7 3,1	**KR775-3E71M/4C** **KR775-2E71M/4B**	0,67 0,71	392 391	162	IE3 IE2
	0,37 0,42	5341 4729	**3844,04** **3398,35**	13985 23714	0,8 0,9	**KR676-3E71M/4C** **KR676-2E71M/4B**	0,67 0,71	318 317	150	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,25 0,34	0,50 0,59 0,69	3986 3395 2914	**2858,39** **2430,14** **2082,19**	31305 35760 38846	1,1 1,3 1,5	**KR676-3E71M/4C** **KR676-2E71M/4B**	0,67 0,71	318 317	150	IE3 IE2
	0,77 0,90 1,0 1,2 1,4 1,6	2679 2278 1961 1703 1490 1311	**1875,03** **1597,25** **1373,07** **1191,60** **1041,68** **915,75**	40199 42315 43773 44927 45867 46541	1,6 1,9 2,2 2,5 2,9 3,3	**KR675-3E71M/4C** **KR675-2E71M/4B**	0,67 0,71	316 315	150	IE3 IE2
	0,64 0,76 1,0 1,2 1,5 1,8	3169 2681 1942 1727 1327 1123	**2236,28** **1890,04** **1368,95** **1216,74** **932,00** **787,70**	16952 22886 28913 30365 32610 33654	0,9 1,0 1,4 1,6 2,0 2,4	**KR575-3E71M/4C** **KR575-2E71M/4B**	0,67 0,71	156 155	138	IE3 IE2
	2,0 2,3	1060 897	**469,74** **397,01**	33992 34694	2,5 3,0	**KR574-3E71M/6D** **KR574-2E71M/6C**	0,77 0,78	164 163	134	IE3 IE2
	1,0 1,2 1,3 1,5 1,6 1,7	1981 1733 1627 1384 1286 1204	**1395,04** **1218,61** **1142,99** **971,77** **901,03** **844,06**	11495 14733 15892 18047 18816 19393	0,8 0,9 1,0 1,1 1,2 1,3	**KR475-3E71M/4C** **KR475-2E71M/4B**	0,67 0,71	113 112	126	IE3 IE2
	2,0 2,2 2,5	1067 954 839	**472,63** **422,88** **371,35**	20346 21045 21708	1,5 1,6 1,8	**KR474-3E71M/6D** **KR474-2E71M/6C**	0,77 0,78	118 117	122	IE3 IE2
	3,0 3,4 3,9 4,6	691 618 544 455	**472,63** **422,88** **371,35** **310,16**	22459 22819 23170 23565	2,2 2,5 2,9 3,4	**KR474-3E71M/4C** **KR474-2E71M/4B**	0,67 0,71	98 97	122	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	114	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	110	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	110	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	106	IE3 IE2
	4,0 4,8 5,7	514 429 360	**360,73** **300,85** **252,20**	11610 12197 12602	0,9 1,0 1,3	**KR275-3E71M/4C** **KR275-2E71M/4B**	0,67 0,71	34 33	102	IE3 IE2

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,25	6,6	309	**215,91**	12885	1,5	**KR275-3E71M/4C**	0,67	34	102	IE3
0,34	7,2	287	**200,35**	12999	1,6	**KR275-2E71M/4B**	0,71	33		IE2
	8,2	262	**113,65**	13120	1,7	**KR273-3E71M/6D**	0,77	24	98	IE3
	9,6	223	**96,68**	13304	2,0	**KR273-2E71M/6C**	0,78	23		IE2
	11	193	**83,48**	13438	2,3					
	13	169	**113,65**	13539	2,7	**KR273-3E71M/4C**	0,67	25	98	IE3
	15	144	**96,68**	13640	3,1	**KR273-2E71M/4B**	0,71	24		IE2
	17	125	**83,48**	13715	3,6					
	20	109	**72,92**	13811	4,0					
	6,7	329	**138,53**	5687	0,9	**KR203-3E71M/6D**	0,77	20	94	IE3
	7,8	284	**119,62**	7369	1,0	**KR203-2E71M/6C**	0,78	19		IE2
	8,9	249	**104,49**	8343	1,1					
	9,5	233	**98,01**	8691	1,2					
	10	213	**138,53**	9100	1,3	**KR203-3E71M/4C**	0,67	19	94	IE3
	12	184	**119,62**	8885	1,5	**KR203-2E71M/4B**	0,71	18		IE2
	14	161	**104,49**	8634	1,7					
	15	151	**98,01**	8512	1,9					
	17	129	**83,32**	8200	2,2					
	20	112	**72,37**	7923	2,5					
	23	98	**63,33**	7660	2,9					
	27	81	**52,37**	7287	3,5					
	12	179	**116,34**	4438	0,8	**KR103-3E71M/4C**	0,67	15	90	IE3
	14	162	**105,26**	5147	0,9	**KR103-2E71M/4B**	0,71	14		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	14	90	IE3
	68	33	**21,25**	5638	3,5	**KR102-2E71M/4B**	0,71	13		IE2
	75	30	**19,13**	5434	3,7					
	21	104	**67,44**	2913	0,8	**KR003-3E71M/4C**	0,67	14	86	IE3
	25	88	**57,16**	3732	0,9	**KR003-2E71M/4B**	0,71	13		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	13	86	IE3
	89	25	**16,18**	3704	3,0	**KR002-2E71M/4B**	0,71	12		IE2
	97	23	**14,73**	3610	3,2					
	108	21	**13,26**	3507	3,6					
	129	17	**11,09**	3334	4,0					

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
0,25	153	15	**9,40**	3178	4,0	**KR002-3E71M/4C**	0,67	13	86	IE3
0,34	178	13	**8,04**	3036	4,0	**KR002-2E71M/4B**	0,71	12		IE2
	192	12	**7,46**	2970	4,0					
	193	12	**14,73**	2969	4,0	**KR002-G63/2b**	0,67	10	86	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	0,24	12585	**5902,70**	93986	1,2	**KR876-3E71M/4D**	0,97	648	174	IE3
0,50	0,29	10719	**5018,35**	101578	1,4	**KR876-2E71M/4C**	1,00	647		IE2
	0,33	9199	**4299,81**	107005	1,6					
	0,37	8334	**3891,23**	109836	1,8					
	0,42	7282	**3396,71**	112900	2,1					
	0,48	6429	**2996,39**	115362	2,3					
	0,54	5723	**2665,68**	117288	2,6					
	0,60	5130	**2387,89**	118834	2,9					
	0,69	4453	**2074,42**	120596	3,4					
	0,76	4136	**1891,08**	121282	3,6	**KR875-3E71M/4D**	0,97	646	174	IE3
	0,86	3661	**1671,18**	123252	4,0	**KR875-2E71M/4C**	1,00	645		IE2
	0,96	3276	**1495,27**	127227	4,0					
	0,32	9593	**4516,30**	43792	0,8	**KR776-3E71M/4D**	0,97	390	162	IE3
	0,36	8426	**3960,44**	52309	0,9	**KR776-2E71M/4C**	1,00	389		IE2
	0,41	7460	**3501,26**	57772	1,1					
	0,69	4518	**2066,04**	70492	1,8	**KR775-3E71M/4D**	0,97	388	162	IE3
	0,80	3900	**1786,65**	72622	2,1	**KR775-2E71M/4C**	1,00	387		IE2
	0,93	3380	**1547,01**	74285	2,4					
	1,1	2959	**1353,02**	75554	2,7					
	1,2	2611	**1192,77**	76552	3,1					
	0,59	5180	**2430,14**	17163	0,8	**KR676-3E71M/4D**	0,97	230	150	IE3
	0,69	4446	**2082,19**	26845	1,0	**KR676-2E71M/4C**	1,00	229		IE2
	0,77	4088	**1875,03**	30390	1,1	**KR675-3E71M/4D**	0,97	247	150	IE3
	0,90	3476	**1597,25**	35191	1,2	**KR675-2E71M/4C**	1,00	246		IE2
	1,0	2991	**1373,07**	38300	1,4					
	1,2	2598	**1191,60**	40646	1,7					
	1,4	2273	**1041,68**	42341	1,9					
	1,6	2000	**915,75**	43590	2,2					
	1,8	1770	**809,27**	44633	2,4					
	2,0	1584	**724,08**	45432	2,7					
	2,3	1394	**635,86**	46212	3,1					
	1,0	2963	**1368,95**	19659	0,9	**KR575-3E71M/4D**	0,97	156	138	IE3
	1,2	2635	**1216,74**	23352	1,0	**KR575-2E71M/4C**	1,00	155		IE2
	1,5	2025	**932,00**	28381	1,3					
	1,8	1713	**787,70**	30450	1,6					
	2,0	1618	**469,74**	31010	1,7	**KR574-3E80M/6B**	1,03	161	134	IE3
	2,3	1369	**397,01**	32395	2,0	**KR574-2E80M/6A**	1,08	160		IE2
	2,8	1136	**328,56**	33599	2,4					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,37 0,50	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	134	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	122	IE3 IE2
	3,0 3,4 3,9 4,6 4,9	1055 944 830 694 656	**472,63** **422,88** **371,35** **310,16** **293,03**	20423 21109 21728 22447 22637	1,5 1,6 1,9 2,2 2,4	**KR474-3E71M/4D** **KR474-2E71M/4C**	0,97 1,00	98 97	122	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	118	IE3 IE2
	3,1 3,6	1018 894	**295,76** **259,36**	9149 11098	0,8 0,9	**KR374-3E80M/6B** **KR374-2E80M/6A**	1,03 1,08	66 65	110	IE3 IE2
	3,9 4,9 5,5 6,3	819 660 579 513	**367,43** **295,76** **259,36** **229,29**	12058 13757 14509 15058	1,0 1,2 1,4 1,6	**KR374-3E71M/4D** **KR374-2E71M/4C**	0,97 1,00	64 63	110	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	106	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	106	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	102	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	37 36	98	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	26 25	98	IE3 IE2
	9,5	345	**98,01**	4860	0,8	**KR203-3E80M/6B** **KR203-2E80M/6A**	1,03 1,08	22 21	94	IE3 IE2
	10	316	**138,53**	6243	0,9	**KR203-3E71M/4D** **KR203-2E71M/4C**	0,97 1,00	20 19	94	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,37 0,50	12 14 15 17 20 23 27 33 38	273 239 224 191 166 145 120 100 88	**119,62** **104,49** **98,01** **83,32** **72,37** **63,33** **52,37** **43,67** **38,16**	7697 7890 7817 7616 7420 7223 6929 6640 6424	1,0 1,2 1,2 1,5 1,7 1,9 2,3 2,8 3,2	**KR203-3E71M/4D** **KR203-2E71M/4C**	0,97 1,00	20 19	94	IE3 IE2
	19 21 23 27 32 38 41 44 52	174 154 144 121 102 88 81 76 64	**76,13** **67,22** **62,79** **53,07** **44,32** **38,22** **35,22** **32,90** **27,81**	4642 5410 5721 6138 5925 5740 5636 5548 5328	0,8 0,9 1,0 1,2 1,4 1,5 1,7 1,7 2,0	**KR103-3E71M/4D** **KR103-2E71M/4C**	0,97 1,00	16 15	90	IE3 IE2
	56 68 75 83 98	59 49 44 40 34	**25,50** **21,25** **19,13** **17,30** **14,61**	6095 5709 5498 5306 4997	2,0 2,3 2,5 2,7 3,2	**KR102-3E71M/4D** **KR102-2E71M/4C**	0,97 1,00	15 14	90	IE3 IE2
	32 41 48 56 60	104 81 69 59 55	**45,41** **35,34** **29,95** **25,64** **23,79**	2897 4010 4004 3897 3842	0,8 1,0 1,2 1,4 1,5	**KR003-3E71M/4D** **KR003-2E71M/4C**	0,97 1,00	15 14	86	IE3 IE2
	72 89 97 108 129 153 178 192	46 38 34 31 26 22 19 17	**19,88** **16,18** **14,73** **13,26** **11,09** **9,40** **8,04** **7,46**	3696 3530 3453 3366 3217 3080 2952 2892	1,7 2,0 2,2 2,4 2,9 3,2 3,5 3,7	**KR002-3E71M/4D** **KR002-2E71M/4C**	0,97 1,00	14 13	86	IE3 IE2
	192 213 255 301 352 379	17 16 13 11 9,5 8,8	**14,73** **13,26** **11,09** **9,40** **8,04** **7,46**	2894 2810 2670 2544 2430 2376	3,5 3,9 4,0 4,0 4,0 4,0	**KR002-3E71M/2B** **KR002-2E71M/2A**	0,86 0,90	13 12	86	IE3 IE2
0,55 0,75	0,43 0,48 0,54 0,61 0,70	10713 9458 8419 7546 6550	**3396,71** **2996,39** **2665,68** **2387,89** **2074,42**	101600 106126 109566 112266 115149	1,4 1,6 1,8 2,0 2,3	**KR876-3E80M/4C** **KR876-2E80M/4B**	1,34 1,45	655 654	174	IE3 IE2
	0,77 0,87 0,97 1,1 1,3	6084 5385 4820 4240 3549	**1891,08** **1671,18** **1495,27** **1313,07** **1096,71**	116259 118129 119576 121000 124461	2,5 2,8 3,1 3,5 4,0	**KR875-3E80M/4C** **KR875-2E80M/4B**	1,34 1,45	651 650	174	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
0,55 0,75	1,5	3102	**957,34**	128847	4,0	**KR875-3E80M/4C** **KR875-2E80M/4B**	1,34 1,45	651 650	174	IE3 IE2
	0,70 0,81 0,94 1,1 1,2 1,4 1,5 1,7 1,9	6646 5737 4973 4353 3840 3409 3042 2693 2410	**2066,04** **1786,65** **1547,01** **1353,02** **1192,77** **1058,16** **943,49** **833,78** **746,01**	61869 65911 68941 71183 72906 74160 75280 76295 77083	1,2 1,4 1,6 1,8 2,1 2,3 2,6 3,0 3,3	**KR775-3E80M/4C** **KR775-2E80M/4B**	1,34 1,45	393 392	162	IE3 IE2
	0,91 1,1 1,2 1,4 1,6 1,8 2,0 2,3	5114 4401 3822 3344 2942 2604 2331 2051	**1597,25** **1373,07** **1191,60** **1041,68** **915,75** **809,27** **724,08** **635,86**	18299 27374 32584 36109 38680 40614 42051 43418	0,8 1,0 1,1 1,3 1,5 1,7 1,8 2,1	**KR675-3E80M/4C** **KR675-2E80M/4B**	1,34 1,45	320 319	150	IE3 IE2
	2,6 2,9 3,4 4,0	1867 1652 1406 1210	**363,81** **321,51** **273,88** **235,44**	44261 45193 46204 46959	2,3 2,6 3,1 3,6	**KR674-3E80M/6C** **KR674-2E80M/6B**	1,47 1,50	206 205	146	IE3 IE2
	1,6 1,8	2979 2521	**932,00** **787,70**	19523 24386	0,9 1,1	**KR575-3E80M/4C** **KR575-2E80M/4B**	1,34 1,45	154 153	138	IE3 IE2
	2,0 2,4 2,8	2392 2025 1680	**469,74** **397,01** **328,56**	25521 28384 30658	1,1 1,3 1,6	**KR574-3E80M/6C** **KR574-2E80M/6B**	1,47 1,50	158 157	134	IE3 IE2
	3,1 3,7 4,4 5,2 5,9	1543 1305 1083 927 814	**469,74** **397,01** **328,56** **281,00** **246,42**	31472 32773 33884 34563 35063	1,8 2,1 2,5 2,9 3,3	**KR574-3E80M/4C** **KR574-2E80M/4B**	1,34 1,45	155 154	134	IE3 IE2
	2,5	1893	**371,35**	12782	0,8	**KR474-3E80M/6C** **KR474-2E80M/6B**	1,47 1,45	102 101	122	IE3 IE2
	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	122	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	118	IE3 IE2
	9,4 11	517 458	**153,47** **135,98**	23280 23565	3,0 3,4	**KR473-3E80M/4C** **KR473-2E80M/4B**	1,34 1,45	94 93	118	IE3 IE2

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,55 0,75	13	373	**110,65**	24142	4,0	**KR473-3E80M/4C** **KR473-2E80M/4B**	1,34 1,45	94 93	118	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	110	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	106	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	106	IE3 IE2
	7,2	644	**200,35**	10534	0,7	**KR275-3E80M/4C** **KR275-2E80M/4B**	1,34 1,45	38 37	102	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	28 27	98	IE3 IE2
	15 17 20 21 25 29 33 40 48	325 281 246 231 196 171 149 124 103	**96,68** **83,48** **72,92** **68,40** **58,15** **50,51** **44,20** **36,55** **30,48**	12809 13023 13197 13268 13423 13532 13618 13718 13923	1,4 1,6 1,8 1,9 2,3 2,6 3,0 3,6 4,0	**KR273-3E80M/4C** **KR273-2E80M/4B**	1,34 1,45	30 29	98	IE3 IE2
	14 15 17 20 23 28 33 38 46 55	352 330 281 244 214 177 148 129 107 89	**104,49** **98,01** **83,32** **72,37** **63,33** **52,37** **43,67** **38,16** **31,55** **26,31**	4449 5626 6693 6625 6533 6363 6170 6014 5779 5545	0,8 0,8 1,0 1,1 1,3 1,6 1,9 2,2 2,6 3,0	**KR203-3E80M/4C** **KR203-2E80M/4B**	1,34 1,45	23 22	94	IE3 IE2
	61	82	**23,79**	6415	3,4	**KR202-3E80M/4C** **KR202-2E80M/4B**	1,34 1,45	22 21	94	IE3 IE2
	27 33 38 41 44 52	179 150 129 119 111 94	**53,07** **44,32** **38,22** **35,22** **32,90** **27,81**	4428 5348 5246 5182 5125 4972	0,8 0,9 1,0 1,1 1,2 1,3	**KR103-3E80M/4C** **KR103-2E80M/4B**	1,34 1,45	19 18	90	IE3 IE2
	57 68	87 73	**25,50** **21,25**	6186 5786	1,4 1,6	**KR102-3E80M/4C** **KR102-2E80M/4B**	1,34 1,45	18 17	90	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,55	76	66	**19,13**	5567	1,7	**KR102-3E80M/4C**	1,34	18	90	IE3
0,75	84	59	**17,30**	5368	1,9	**KR102-2E80M/4B**	1,45	17		IE2
	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	18	86	IE3
	57	87	**25,64**	3454	0,9	**KR003-2E80M/4B**	1,45	17		IE2
	61	80	**23,79**	3433	1,0					
	73	68	**19,88**	3355	1,2	**KR002-3E80M/4C**	1,34	17	86	IE3
	90	55	**16,18**	3255	1,4	**KR002-2E80M/4B**	1,45	16		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	14	86	IE3
	213	23	**13,26**	2703	2,6	**KR002-2E71M/2B**	1,25	13		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	0,48	12897	**2996,39**	92600	1,2	**KR876-3E80M/4D**	1,77	653	174	IE3
1,0	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	174	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	162	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	158	IE3
	2,7	2462	**354,32**	76974	3,2	**KR774-2E90S/6A**	2,00	405		IE2
	3,0	2166	**311,14**	77769	3,7					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,75	1,2	5212	**1191,60**	16574	0,8	**KR675-3E80M/4D**	1,77	321	150	IE3
1,0	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	146	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	146	IE3
	4,5	1453	**321,51**	45975	3,0	**KR674-2E80M/4C**	1,89	294		IE2
	5,3	1236	**273,88**	46829	3,5					
	2,0	3228	**469,74**	15989	0,8	**KR574-3E90S/6B**	1,96	159	134	IE3
	2,4	2732	**397,01**	22409	1,0	**KR574-2E90S/6A**	2,00	157		IE2
	2,9	2266	**328,56**	26563	1,2					
	3,1	2104	**469,74**	27812	1,3	**KR574-3E80M/4D**	1,77	156	134	IE3
	3,7	1780	**397,01**	30031	1,5	**KR574-2E80M/4C**	1,89	154		IE2
	4,4	1477	**328,56**	31845	1,8					
	5,2	1264	**281,00**	32943	2,1					
	5,9	1110	**246,42**	33716	2,4					
	6,1	1071	**237,97**	33906	2,5					
	6,9	953	**211,51**	34460	2,8					
	3,4	1893	**422,88**	12714	0,8	**KR474-3E80M/4D**	1,77	103	122	IE3
	3,9	1664	**371,35**	15500	0,9	**KR474-2E80M/4C**	1,89	101		IE2
	4,7	1392	**310,16**	17982	1,1					
	4,9	1316	**293,03**	18590	1,2					
	6,2	1079	**153,47**	20234	1,4	**KR473-3E90S/6B**	1,96	99	118	IE3
	6,9	956	**135,98**	21039	1,6	**KR473-2E90S/6A**	2,00	97		IE2
	8,5	779	**110,65**	22009	2,0					
	9,4	706	**153,47**	22412	2,2	**KR473-3E80M/4D**	1,77	95	118	IE3
	11	625	**135,98**	22807	2,5	**KR473-2E80M/4C**	1,89	93		IE2
	13	510	**110,65**	23324	3,0					
	15	451	**97,79**	23564	3,4					
	6,3	1028	**229,29**	8932	0,8	**KR374-3E80M/4D**	1,77	68	110	IE3
						KR374-2E80M/4C	1,89	66		IE2
	8,5	778	**110,61**	12550	1,1	**KR373-3E90S/6B**	1,96	68	106	IE3
	9,7	684	**97,26**	16200	1,2	**KR373-2E90S/6A**	2,00	66		IE2
	11	584	**127,30**	14463	1,4	**KR373-3E80M/4D**	1,77	64	106	IE3
	13	509	**110,61**	15090	1,6	**KR373-2E80M/4C**	1,89	62		IE2
	15	448	**97,26**	15527	1,8					
	19	361	**78,29**	16133	2,3					
	21	317	**68,65**	16415	2,6					
	24	280	**60,69**	16637	2,9					
	11	587	**83,48**	11033	0,8	**KR273-3E90S/6B**	1,96	31	98	IE3
	13	513	**72,92**	11614	0,9	**KR273-2E90S/6A**	2,00	29		IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
0,75	15	444	**96,68**	12098	1,0	**KR273-3E80M/4D**	1,77	31	98	IE3
1,0	17	384	**83,48**	12459	1,2	**KR273-2E80M/4C**	1,89	29		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	24	94	IE3
	23	292	**63,33**	5739	1,0	**KR203-2E80M/4C**	1,89	22		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	23	94	IE3
	72	95	**20,23**	6133	3,0	**KR202-2E80M/4C**	1,89	21		IE2
	83	82	**17,47**	5815	3,3					
	41	163	**35,22**	4667	0,8	**KR103-3E80M/4D**	1,77	19	90	IE3
	44	152	**32,90**	4646	0,9	**KR103-2E80M/4C**	1,89	17		IE2
	52	128	**27,81**	4574	1,0					
	57	119	**25,50**	6298	1,0	**KR102-3E80M/4D**	1,77	18	90	IE3
	68	99	**21,25**	5884	1,2	**KR102-2E80M/4C**	1,89	16		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	16	90	IE3
	279	24	**10,32**	3530	3,3	**KR102-2E80M/2A**	1,67	15		IE2
	73	93	**19,88**	2961	0,9	**KR002-3E80M/4D**	1,77	17	86	IE3
	90	76	**16,18**	2941	1,0	**KR002-2E80M/4C**	1,89	15		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					
	217	31	**13,26**	2573	1,9	**KR002-3E80M/2B**	1,59	15	86	IE3
	260	26	**11,09**	2471	2,3	**KR002-2E80M/2A**	1,67	14		IE2
	307	22	**9,40**	2375	2,5					
	358	19	**8,04**	2284	2,9					
	386	18	**7,46**	2240	3,1					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
1,1 1,5	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	174	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	162	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	158	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	158	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	150	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	146	IE3 IE2
	4,0 4,5 5,3 6,2 7,1	2407 2131 1813 1561 1357	**363,81** **321,51** **273,88** **235,44** **204,32**	41618 42965 44444 45531 46361	1,8 2,0 2,4 2,8 3,2	**KR674-3E90S/4C** **KR674-2E90S/4B**	2,46 2,60	270 268	146	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	134	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	118	IE3 IE2
	9,4	1036	**153,47**	20546	1,5	**KR473-3E90S/4C** **KR473-2E90S/4B**	2,46 2,60	101 99	118	IE3 IE2

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
1,1	11	918	**135,98**	21262	1,7	**KR473-3E90S/4C**	2,46	101	118	IE3
1,5	13	748	**110,65**	22168	2,1	**KR473-2E90S/4B**	2,60	99		IE2
	15	662	**97,79**	22607	2,3					
	17	592	**87,49**	22944	2,6					
	19	521	**76,83**	23291	3,0					
	23	436	**64,17**	23647	3,6					
	8,5	1148	**110,61**	6284	0,7	**KR373-3E90L/6C**	2,75	70	106	IE3
	9,7	1011	**97,26**	9290	0,8	**KR373-2E90L/6B**	2,90	67		IE2
	12	814	**78,29**	12120	1,0					
	13	746	**110,61**	12896	1,1	**KR373-3E90S/4C**	2,46	70	106	IE3
	15	657	**97,26**	13804	1,2	**KR373-2E90S/4B**	2,60	68		IE2
	19	529	**78,29**	14925	1,5					
	21	465	**68,65**	15401	1,8					
	24	411	**60,69**	15789	2,0					
	28	346	**51,05**	16226	2,4					
	33	295	**43,40**	16549	2,8					
	39	253	**37,19**	16797	3,2					
	17	564	**83,48**	11227	0,8	**KR273-3E90S/4C**	2,46	36	98	IE3
	20	493	**72,92**	11753	0,9	**KR273-2E90S/4B**	2,60	34		IE2
	21	463	**68,40**	11975	1,0					
	25	393	**58,15**	12402	1,1					
	29	342	**50,51**	12703	1,3					
	33	300	**44,20**	12933	1,5					
	40	248	**36,55**	13190	1,8					
	48	207	**30,48**	13378	2,2					
	57	174	**25,55**	13602	2,5					
	63	158	**23,08**	13741	2,6					
	76	131	**19,08**	13910	3,0					
	91	109	**15,92**	14034	3,4					
	109	92	**13,34**	14147	3,8					
	121	82	**12,00**	14158	3,1					
	146	68	**9,92**	13462	3,5					
	175	57	**8,28**	12819	4,0					
	209	48	**6,94**	12216	4,0					
	28	355	**52,37**	4248	0,8	**KR203-3E90S/4C**	2,46	29	94	IE3
	33	297	**43,67**	4663	0,9	**KR203-2E90S/4B**	2,60	27		IE2
	38	259	**38,16**	4718	1,1					
	46	215	**31,55**	4726	1,3					
	55	179	**26,31**	4680	1,5					
	61	163	**23,79**	6646	1,7	**KR202-3E90S/4C**	2,46	28	94	IE3
	72	139	**20,23**	6258	2,0	**KR202-2E90S/4B**	2,60	26		IE2
	83	120	**17,47**	5927	2,2					
	95	105	**15,26**	5639	2,5					
	101	99	**14,32**	5508	2,6					
	119	84	**12,17**	5189	2,9					
	137	73	**10,57**	4930	3,2					
	64	155	**14,61**	5374	0,8	**KR102-3E90L/6C**	2,75	24	90	IE3
	75	133	**12,51**	5814	0,9	**KR102-2E90L/6B**	2,90	21		IE2
	84	119	**17,30**	5580	0,9	**KR102-3E90S/4C**	2,46	23	90	IE3
	99	101	**14,61**	5236	1,1	**KR102-2E90S/4B**	2,60	21		IE2
	116	86	**12,51**	4942	1,2					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
1,1	131	76	**11,05**	4719	1,3	**KR102-3E90S/4C**	2,46	23	90	IE3
1,5	140	71	**10,32**	4601	1,4	**KR102-2E90S/4B**	2,60	21		IE2
	166	60	**8,72**	4324	1,6					
	199	50	**7,29**	4047	1,8					
	231	43	**6,28**	3834	2,1					
	261	38	**11,05**	3668	2,2	**KR102-3E80M/2C**	2,26	18	90	IE3
	279	36	**10,32**	3579	2,2	**KR102-2E80M/2B**	2,36	16		IE2
	330	30	**8,72**	3369	2,6					
	395	25	**7,29**	3159	3,0					
	458	22	**6,28**	2997	3,2					
	109	91	**13,26**	2421	0,8	**KR002-3E90S/4C**	2,46	22	86	IE3
	131	76	**11,09**	2439	1,0	**KR002-2E90S/4B**	2,60	20		IE2
	154	65	**9,40**	2428	1,1					
	180	56	**8,04**	2400	1,2					
	194	52	**7,46**	2382	1,3					
	217	46	**13,26**	2353	1,3	**KR002-3E80M/2C**	2,26	17	86	IE3
	260	38	**11,09**	2290	1,6	**KR002-2E80M/2B**	2,36	15		IE2
	307	33	**9,40**	2223	1,7					
	358	28	**8,04**	2155	2,0					
	386	26	**7,46**	2121	2,1					
1,5	0,97	13144	**1495,27**	91475	1,1	**KR875-3E90L/4C**	3,30	659	174	IE3
2,0	1,1	11563	**1313,07**	98281	1,3	**KR875-2E90L/4B**	3,40	658		IE2
	1,3	9680	**1096,71**	100689	1,5					
	1,5	8460	**957,34**	104678	1,8					
	1,7	7470	**844,51**	107455	2,0					
	1,9	6652	**751,30**	109747	2,3					
	2,2	6023	**438,70**	111593	2,5	**KR874-3E100L/6B**	3,50	895	170	IE3
	2,5	5282	**383,99**	113316	2,8	**KR874-2E100L/6A**	3,72	892		IE2
	2,8	4681	**339,70**	114765	3,2					
	1,4	9298	**1058,16**	46159	0,9	**KR775-3E90L/4C**	3,30	428	162	IE3
	1,5	8295	**943,49**	52976	1,0	**KR775-2E90L/4B**	3,40	427		IE2
	1,7	7344	**833,78**	58389	1,1					
	1,9	6573	**746,01**	62215	1,2					
	2,2	5783	**655,11**	65720	1,4					
	2,4	5445	**396,00**	66988	1,5	**KR774-3E100L/6B**	3,50	414	158	IE3
	2,7	4873	**354,32**	69216	1,6	**KR774-2E100L/6A**	3,72	411		IE2
	3,1	4287	**311,14**	71333	1,9					
	3,4	3839	**278,35**	72930	2,1					
	3,7	3586	**396,00**	73641	2,2	**KR774-3E90L/4C**	3,30	410	158	IE3
	4,1	3210	**354,32**	74809	2,5	**KR774-2E90L/4B**	3,40	409		IE2
	4,7	2823	**311,14**	75948	2,8					
	5,2	2529	**278,35**	76780	3,2					
	6,0	2184	**240,71**	77712	3,7					
	2,6	4984	**363,81**	20305	0,9	**KR674-3E100L/6B**	3,50	308	146	IE3
	3,0	4412	**321,51**	27178	1,0	**KR674-2E100L/6A**	3,72	305		IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
1,5	3,5	3754	**273,88**	33125	1,1	**KR674-3E100L/6B**	3,50	308	146	IE3
2,0						**KR674-2E100L/6A**	3,72	305		IE2
	4,0	3283	**363,81**	36521	1,3	**KR674-3E90L/4C**	3,30	303	146	IE3
	4,5	2906	**321,51**	38894	1,5	**KR674-2E90L/4B**	3,40	302		IE2
	5,3	2472	**273,88**	41257	1,7					
	6,2	2129	**235,44**	42977	2,0					
	7,1	1850	**204,32**	44279	2,3					
	8,1	1619	**178,62**	45286	2,7					
	9,2	1425	**157,02**	46088	3,0					
	4,4	2954	**328,56**	19787	0,9	**KR574-3E90L/4C**	3,30	163	134	IE3
	5,2	2528	**281,00**	24321	1,1	**KR574-2E90L/4B**	3,40	162		IE2
	5,9	2221	**246,42**	26922	1,2					
	6,1	2142	**237,97**	27526	1,3					
	6,9	1906	**211,51**	29208	1,4					
	7,6	1751	**125,51**	30219	1,5	**KR573-3E100L/6B**	3,50	155	130	IE3
	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	118	IE3
						KR473-2E100L/6A	3,72	106		IE2
	9,4	1414	**153,47**	17802	1,1	**KR473-3E90L/4C**	3,30	103	118	IE3
	11	1252	**135,98**	19067	1,2	**KR473-2E90L/4B**	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/4C**	3,30	72	106	IE3
	15	897	**97,26**	11080	0,9	**KR373-2E90L/4B**	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					
	25	537	**58,15**	11437	0,8	**KR273-3E90L/4C**	3,30	38	98	IE3
	29	467	**50,51**	11945	1,0	**KR273-2E90L/4B**	3,40	37		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					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
1,5 2,0	38 46 55	354 293 245	**38,16** **31,55** **26,31**	3679 3892 4001	0,8 1,0 1,1	**KR203-3E90L/4C** **KR203-2E90L/4B**	3,30 3,40	31 30	94	IE3 IE2
	61 72 83 95 101 119 137 157 190 227	223 190 164 144 135 115 100 87 72 60	**23,79** **20,23** **17,47** **15,26** **14,32** **12,17** **10,57** **9,25** **7,65** **6,38**	6772 6376 6036 5739 5604 5276 5007 4767 4446 4162	1,3 1,5 1,6 1,8 1,9 2,1 2,4 2,6 3,0 3,4	**KR202-3E90L/4C** **KR202-2E90L/4B**	3,30 3,40	30 29	94	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/4C** **KR102-2E90L/4B**	3,30 3,40	26 25	90	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	24 22	90	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/4C** **KR002-2E90L/4B**	3,30 3,40	25 24	86	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/2B**	2,97 3,19	23 21	86	IE3 IE2
2,2 3,0	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	174	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	170	IE3 IE2
	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	170	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	162	IE3 IE2
	2,4 2,7	7903 7073	**396,00** **354,32**	55312 59782	1,0 1,1	**KR774-3E112M/6B** **KR774-2E112M/6A**	4,95 5,32	387 3843	158	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
2,2	3,1	6222	**311,14**	63818	1,3	**KR774-3E112M/6B**	4,95	387	158	IE3
3,0	3,5	5573	**278,35**	66590	1,4	**KR774-2E112M/6A**	5,32	384		IE2
	3,7	5260	**396,00**	67765	1,5	**KR774-3E100L/4C**	4,65	383	158	IE3
	4,1	4707	**354,32**	69865	1,7	**KR774-2E100L/4B**	4,85	381		IE2
	4,7	4141	**311,14**	71861	1,9					
	5,2	3709	**278,35**	73290	2,2					
	6,0	3203	**240,71**	74861	2,5					
	7,0	2778	**208,42**	76105	2,9					
	8,0	2433	**182,29**	77065	3,3					
	4,0	4815	**363,81**	22700	0,9	**KR674-3E100L/4C**	4,65	280	146	IE3
	4,5	4262	**321,51**	28741	1,0	**KR674-2E100L/4B**	4,85	278		IE2
	5,3	3626	**273,88**	34100	1,2					
	6,2	3122	**235,44**	37497	1,4					
	7,1	2713	**204,32**	39957	1,6					
	7,5	2612	**128,24**	40492	1,6	**KR673-3E112M/6B**	4,95	228	142	IE3
	9,6	2057	**100,90**	43338	2,1	**KR673-2E112M/6A**	5,32	225		IE2
	11	1841	**90,21**	44333	2,3					
	11	1744	**128,24**	44776	2,5	**KR673-3E100L/4C**	4,65	323	142	IE3
	14	1373	**100,90**	46314	3,1	**KR673-2E100L/4B**	4,85	321		IE2
	16	1229	**90,21**	46873	3,5					
	5,9	3257	**246,42**	15565	0,8	**KR574-3E100L/4C**	4,65	171	134	IE3
	6,1	3142	**237,97**	17405	0,9	**KR574-2E100L/4B**	4,85	169		IE2
	6,9	2795	**211,51**	21659	1,0					
	8,0	2392	**180,90**	25521	1,1					
	8,8	2230	**109,86**	26853	1,2	**KR573-3E112M/6B**	4,95	159	130	IE3
	9,9	1975	**97,19**	28736	1,4	**KR573-2E112M/6A**	5,32	156		IE2
	12	1698	**125,51**	30509	1,6	**KR573-3E100L/4C**	4,65	156	130	IE3
	13	1488	**109,86**	31752	1,8	**KR573-2E100L/4B**	4,85	154		IE2
	15	1318	**97,19**	32683	2,0					
	18	1116	**82,14**	33708	2,4					
	22	916	**67,37**	34643	2,9					
	24	809	**59,49**	35108	3,3					
	13	1498	**110,65**	17069	1,0	**KR473-3E100L/4C**	4,65	111	118	IE3
	15	1326	**97,79**	18493	1,2	**KR473-2E100L/4B**	4,85	109		IE2
	17	1186	**87,49**	19515	1,3					
	19	1043	**76,83**	20477	1,5					
	23	872	**64,17**	21504	1,8					
	24	825	**60,63**	21771	1,9					
	24	804	**59,19**	21883	1,9					
	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	106	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					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
2,2 3,0	33 39 43 50 59 66 78	591 507 459 393 337 301 256	**43,40** **37,19** **33,65** **28,85** **24,72** **21,90** **18,62**	14412 15090 15456 15923 16292 16519 16777	1,4 1,6 1,8 2,1 2,4 2,7 3,2	**KR373-3E100L/4C** **KR373-2E100L/4B**	4,65 4,85	82 80	106	IE3 IE2
	33 40 48 57 63 76 91 109 121 146 175 209	600 497 415 348 316 262 218 183 164 136 114 95	**44,20** **36,55** **30,48** **25,55** **23,08** **19,08** **15,92** **13,34** **12,00** **9,92** **8,28** **6,94**	10904 11733 12275 12785 13060 13409 13658 13861 13403 12838 12299 11780	0,7 0,9 1,1 1,2 1,3 1,5 1,7 1,9 1,5 1,8 2,0 2,3	**KR273-3E100L/4C** **KR273-2E100L/4B**	4,65 4,85	46 44	98	IE3 IE2
	217 242 292 350 418	92 82 68 57 48	**13,34** **12,00** **9,92** **8,28** **6,94**	13947 13403 12838 12299 11780	3,3 2,7 3,1 3,5 4,0	**KR273-3E90L/2C** **KR273-2E90L/2B**	4,25 4,48	39 37	98	IE3 IE2
	95 101 119 137 157 190 227	211 198 168 146 128 106 89	**15,26** **14,32** **12,17** **10,57** **9,25** **7,65** **6,38**	5873 5735 5398 5121 4872 4539 4243	1,2 1,3 1,5 1,6 1,8 2,0 2,3	**KR202-3E100L/4C** **KR202-2E100L/4B**	4,65 4,85	36 34	94	IE3 IE2
	314 379 455	64 53 44	**9,25** **7,65** **6,38**	3768 3516 3292	2,9 3,3 3,7	**KR202-3E90L/2C** **KR202-2E90L/2B**	4,25 4,48	29 27	94	IE3 IE2
3,0 4,0	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	174	IE3 IE2
	2,9	9217	**339,70**	102283	1,6	**KR874-3E132S/6B** **KR874-2E132S/6A**	6,55 6,85	699 694	170	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	170	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	158	IE3 IE2
	3,7 4,1	7172 6419	**396,00** **354,32**	59150 62825	1,1 1,2	**KR774-3E100L/4D** **KR774-2E100L/4C**	6,26 6,42	386 383	158	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
3,0	4,7	5647	**311,14**	66285	1,4	**KR774-3E100L/4D**	6,26	386	158	IE3
4,0	5,2	5057	**278,35**	68627	1,6	**KR774-2E100L/4C**	6,42	383		IE2
	6,0	4368	**240,71**	71078	1,8					
	7,0	3789	**208,42**	73032	2,1					
	8,0	3318	**182,29**	74513	2,4					
	8,7	3092	**111,63**	75258	2,6	**KR773-3E132S/6B**	6,55	396	154	IE3
	9,8	2745	**99,00**	76225	2,9	**KR773-2E132S/6A**	6,85	391		IE2
	11	2459	**88,57**	77020	3,3					
	13	2124	**76,59**	77906	3,8					
	5,3	4945	**273,88**	20850	0,9	**KR674-3E100L/4D**	6,26	281	146	IE3
	6,2	4257	**235,44**	28787	1,0	**KR674-2E100L/4C**	6,42	278		IE2
	7,1	3700	**204,32**	33544	1,2					
	7,6	3541	**128,24**	34722	1,2	**KR673-3E132S/6B**	6,55	246	142	IE3
	9,6	2788	**100,90**	39578	1,5	**KR673-2E132S/6A**	6,85	241		IE2
	11	2495	**90,21**	41195	1,7					
	11	2379	**128,24**	41835	1,8	**KR673-3E100L/4D**	6,26	223	142	IE3
	14	1874	**100,90**	44201	2,3	**KR673-2E100L/4C**	6,42	220		IE2
	16	1677	**90,21**	45064	2,6					
	18	1496	**80,38**	45821	2,9					
	8,0	3262	**180,90**	15479	0,8	**KR574-3E100L/4D**	6,26	172	134	IE3
						KR574-2E100L/4C	6,42	169		IE2
	10	2677	**97,19**	22912	1,0	**KR573-3E132S/6B**	6,55	192	134	IE3
						KR573-2E132S/6A	6,85	187		IE2
	12	2317	**125,51**	26087	1,2	**KR573-3E100L/4D**	6,26	157	130	IE3
	13	2031	**109,86**	28341	1,3	**KR573-2E100L/4C**	6,42	154		IE2
	15	1799	**97,19**	29906	1,5					
	18	1522	**82,14**	31557	1,8					
	22	1249	**67,37**	33041	2,2					
	24	1105	**59,49**	33763	2,4					
	27	983	**52,88**	34338	2,7					
	30	895	**97,19**	34748	3,0	**KR573-3E100L/2C**	5,58	155	130	IE3
	35	757	**82,14**	35668	3,4	**KR573-2E100L/2B**	5,80	152		IE2
	15	1809	**97,79**	13841	0,9	**KR473-3E100L/4D**	6,26	113	118	IE3
	17	1618	**87,49**	15934	1,0	**KR473-2E100L/4C**	6,42	110		IE2
	19	1423	**76,83**	17682	1,1					
	23	1190	**64,17**	19514	1,3					
	24	1125	**60,63**	19936	1,4					
	24	1097	**59,19**	20157	1,4					
	28	951	**51,22**	21047	1,6					
	32	830	**44,64**	21743	1,9					
	37	728	**39,11**	22295	2,1					
	48	563	**30,11**	23068	2,8					
	58	471	**25,15**	23327	3,3					
	28	947	**51,05**	10331	0,9	**KR373-3E100L/4D**	6,26	83	106	IE3
	33	806	**43,40**	12220	1,0	**KR373-2E100L/4C**	6,42	80		IE2
	39	691	**37,19**	13443	1,2					
	43	626	**33,65**	14092	1,3					
	50	537	**28,85**	14875	1,5					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
3,0	59	460	**24,72**	15446	1,8	**KR373-3E100L/4D**	6,26	83	106	IE3
4,0	66	411	**21,90**	15803	2,0	**KR373-2E100L/4C**	6,42	80		IE2
	78	350	**18,62**	16219	2,3					
	91	300	**15,96**	16528	2,7					
	100	272	**14,44**	16687	3,0					
	48	566	**30,48**	11203	0,8	**KR273-3E100L/4D**	6,26	48	98	IE3
	57	475	**25,55**	12026	0,9	**KR273-2E100L/4C**	6,42	45		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	44	98	IE3
	243	112	**12,00**	12855	2,0	**KR273-2E100L/2B**	5,80	41		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	38	94	IE3
	101	270	**14,32**	5822	0,9	**KR202-2E100L/4C**	6,42	35		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	35	94	IE3
	381	72	**7,65**	3565	2,4	**KR202-2E100L/2B**	5,80	32		IE2
	457	60	**6,38**	3334	2,7					
4,0	2,8	12068	**514,05**	92017	1,2	**KR875-3E112M/4D**	8,05	677	174	IE3
5,5	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	170	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					
	7,0	5024	**207,95**	113926	3,0					
	3,7	9497	**396,00**	44605	0,8	**KR774-3E112M/4D**	8,05	394	158	IE3
	4,1	8500	**354,32**	51831	0,9	**KR774-2E112M/4C**	8,20	392		IE2
	4,7	7478	**311,14**	57677	1,1					
	5,2	6697	**278,35**	61629	1,2					
	6,1	5785	**240,71**	65713	1,4					
	7,0	5017	**208,42**	68775	1,6					
	8,0	4394	**182,29**	70935	1,8					
	8,7	4127	**111,63**	71956	1,9	**KR773-3E132M/6C**	8,52	408	154	IE3
	9,8	3664	**99,00**	73471	2,2	**KR773-2E132M/6B**	8,80	403		IE2
	11	3281	**88,57**	74615	2,4					
	13	2835	**76,59**	75970	2,8					
	15	2459	**66,32**	76931	3,3					
	17	2153	**58,00**	77814	3,7					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
4,0	7,6	4726	**128,24**	23751	0,9	**KR673-3E132M/6C**	8,52	239	142	IE3
5,5	9,6	3721	**100,90**	33383	1,2	**KR673-2E132M/6B**	8,80	234		IE2
	11	3330	**90,21**	36197	1,3					
	11	3152	**128,24**	37375	1,4	**KR673-3E112M/4D**	8,05	234	142	IE3
	14	2482	**100,90**	41219	1,7	**KR673-2E112M/4C**	8,20	232		IE2
	16	2222	**90,21**	42596	1,9					
	18	1982	**80,38**	43675	2,2					
	13	2690	**109,86**	22797	1,0	**KR573-3E112M/4D**	8,05	165	130	IE3
	15	2383	**97,19**	25605	1,1	**KR573-2E112M/4C**	8,20	163		IE2
	18	2017	**82,14**	28440	1,3					
	22	1655	**67,37**	30808	1,6					
	25	1463	**59,49**	31921	1,8					
	28	1302	**52,88**	32744	2,1					
	33	1103	**44,73**	34132	2,4					
	38	942	**38,16**	35377	2,7					
	43	830	**67,37**	36050	3,0	**KR573-3E112M/2C**	7,28	161	130	IE3
	49	734	**59,49**	36784	3,2	**KR573-2E112M/2A**	7,50	157		IE2
	23	1577	**64,17**	16339	1,0	**KR473-3E112M/4D**	8,05	121	118	IE3
	24	1491	**60,63**	17138	1,0	**KR473-2E112M/4C**	8,20	119		IE2
	25	1454	**59,19**	17463	1,1					
	29	1260	**51,22**	19013	1,2					
	33	1099	**44,64**	20136	1,4					
	37	964	**39,11**	20986	1,6					
	48	746	**30,11**	22200	2,1					
	58	625	**25,15**	22635	2,5					
	61	590	**23,76**	22358	2,6					
	63	576	**23,19**	22241	2,7					
	73	499	**20,07**	21532	3,0					
	83	436	**17,49**	20857	3,3					
	34	1068	**43,40**	8204	0,8	**KR373-3E112M/4D**	8,05	90	106	IE3
	39	916	**37,19**	10802	0,9	**KR373-2E112M/4C**	8,20	88		IE2
	43	830	**33,65**	11934	1,0					
	51	711	**28,85**	13270	1,2					
	59	610	**24,72**	14241	1,3					
	67	544	**21,90**	14785	1,5					
	78	463	**18,62**	15412	1,8					
	92	398	**15,96**	15882	2,1					
	101	360	**14,44**	16150	2,3					
	118	309	**12,38**	16476	2,7					
	138	265	**10,60**	16163	3,0					
	63	571	**23,08**	11483	0,7	**KR273-3E112M/4D**	8,05	56	98	IE3
	77	473	**19,08**	12297	0,8	**KR273-2E112M/4C**	8,20	54		IE2
	92	395	**15,92**	12863	0,9					
	109	332	**13,34**	12762	1,1					
	122	297	**12,00**	12168	0,8					
	147	246	**9,92**	11817	1,0					
	176	206	**8,28**	11447	1,1					
	210	173	**6,94**	11066	1,3					
	218	166	**13,34**	12762	1,8	**KR273-3E112M/2C**	7,28	51	98	IE3
	243	149	**12,00**	12168	1,5	**KR273-2E112M/2A**	7,50	47		IE2
	294	124	**9,92**	11817	1,7					

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
4,0	352	103	**8,28**	11447	1,9	**KR273-3E112M/2C**	7,28	51	98	IE3
5,5	420	87	**6,94**	11066	2,2	**KR273-2E112M/2A**	7,50	47		IE2
	138	265	**10,57**	5261	0,9	**KR202-3E112M/4D**	8,05	45	94	IE3
	158	232	**9,25**	5021	1,0	**KR202-2E112M/4C**	8,20	43		IE2
	191	192	**7,65**	4688	1,1					
	229	160	**6,38**	4385	1,3					
	315	116	**9,25**	3892	1,6	**KR202-3E112M/2C**	7,28	41	94	IE3
	381	96	**7,65**	3625	1,8	**KR202-2E112M/2A**	7,50	36		IE2
	457	80	**6,38**	3388	2,1					
5.5	4,3	11227	**339,70**	95138	1,3	**KR874-3E132S/4C**	10,65	660	170	IE3
7.5	5,1	9511	**287,10**	101336	1,6	**KR874-2E132S/4B**	11,05	654		IE2
	6,2	7809	**235,47**	106545	1,9					
	7,0	6909	**207,95**	109108	2,2					
	8,4	5905	**115,87**	111829	2,5	**KR873-3E132M/6D**	11,55	652	166	IE3
	9,4	5267	**103,24**	113495	2,8	**KR873-2E132M/6C**	12,00	647		IE2
	10	4740	**92,80**	114627	3,2					
	12	4137	**81,06**	116023	3,6					
	5,2	9208	**278,35**	46845	0,9	**KR774-3E132S/4C**	10,65	429	158	IE3
	6,1	7954	**240,71**	55019	1,0	**KR774-2E132S/4B**	11,05	423		IE2
	7,0	6898	**208,42**	60535	1,2					
	8,0	6042	**182,29**	64522	1,3					
	8,7	5678	**111,63**	66155	1,4	**KR773-3E132M/6D**	11,55	407	154	IE3
	9,8	5042	**99,00**	68574	1,6	**KR773-2E132M/6C**	12,00	402		IE2
	11	4515	**88,57**	70527	1,8					
	13	3902	**76,59**	72638	2,1					
	13	3786	**111,63**	73041	2,1	**KR773-3E132S/4C**	10,65	399	154	IE3
	15	3362	**99,00**	74380	2,4	**KR773-2E132S/4B**	11,05	393		IE2
	16	3011	**88,57**	75433	2,7					
	19	2602	**76,59**	76614	3,1					
	22	2256	**66,32**	77554	3,5					
	11	4582	**90,21**	25491	0,9	**KR673-3E132M/6D** **KR673-2E132M/6C**	11,55 12,00	239 234	142	IE3 IE2
	11	4334	**128,24**	28038	1,0	**KR673-3E132S/4C**	10,65	249	142	IE3
	14	3413	**100,90**	35551	1,3	**KR673-2E132S/4B**	11,05	243		IE2
	16	3055	**90,21**	37921	1,4					
	18	2725	**80,38**	39887	1,6					
	21	2320	**68,47**	42076	1,9					
	25	1998	**58,86**	43633	2,2					
	29	1736	**51,08**	44809	2,5					
	33	1520	**44,65**	45724	2,8					
	15	3276	**97,19**	15243	0,8	**KR573-3E132S/4C**	10,65	180	130	IE3
	18	2773	**82,14**	21892	1,0	**KR573-2E132S/4B**	11,05	174		IE2
	22	2276	**67,37**	26421	1,2					
	25	2012	**59,49**	28423	1,3					
	28	1790	**52,88**	29925	1,5					
	33	1517	**44,73**	32067	1,7					
	38	1296	**38,16**	33803	1,9					
	41	1199	**35,34**	34580	2,0					
	48	1028	**30,25**	35853	2,2					
	57	882	**25,78**	36406	2,6					
	64	780	**22,77**	37145	2,8					

*: **I prezzi dei motoriduttori IE2 e IE3 sono differenti.** / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
5.5	29	1732	**51,22**	14734	0,9	**KR473-3E132S/4C**	10,65	138	118	IE3
7.5	33	1512	**44,64**	16950	1,0	**KR473-2E132S/4B**	11,05	132		IE2
	37	1326	**39,11**	18473	1,2					
	48	1026	**30,11**	20584	1,5					
	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	106	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					
7.5	5,1	12925	**287,10**	88255	1,2	**KR874-3E132M/4C**	14,40	694	170	IE3
10	6,2	10613	**235,47**	97408	1,4	**KR874-2E132M/4B**	15,00	689		IE2
	7,0	9389	**207,95**	101630	1,6					
	7,9	8358	**184,83**	104835	1,8					
	9,1	7308	**161,34**	107991	2,1					
	10	6457	**142,32**	110333	2,3					
	8,4	8054	**115,87**	105903	1,9	**KR873-3E160M/6**	15,00	750	166	IE3
	9,4	7184	**103,24**	108410	2,1	**KR873-2E160M/6**	15,00	750		IE2
	10	6465	**92,80**	110370	2,3					
	12	5643	**81,06**	112482	2,7					
	14	4933	**70,76**	114174	3,0					
	16	4358	**62,42**	115539	3,4					
	13	5352	**115,87**	113168	2,8	**KR873-3E132M/4C**	14,40	678	166	IE3
	14	4775	**103,24**	114564	3,1	**KR873-2E132M/4B**	15,00	673		IE2
	16	4297	**92,80**	115676	3,5					
	18	3751	**81,06**	116901	4,0					
	8,7	7745	**111,63**	56304	1,0	**KR773-3E160M/6**	15,00	485	154	IE3
	9,8	6877	**99,00**	60758	1,2	**KR773-2E160M/6**	15,00	485		IE2
	11	6159	**88,57**	64101	1,3					
	13	5322	**76,59**	67596	1,5					
	13	5147	**111,63**	68279	1,6	**KR773-3E132M/4C**	14,40	413	154	IE3
	15	4570	**99,00**	70363	1,8	**KR773-2E132M/4B**	15,00	408		IE2
	17	4093	**88,57**	72024	2,0					
	19	3537	**76,59**	73873	2,3					
	22	3068	**66,32**	75293	2,6					
	25	2687	**58,00**	76366	3,0					
	29	2372	**51,13**	77246	3,4					
	15	4640	**100,90**	24872	0,9	**KR673-3E132M/4C**	14,40	262	142	IE3
	16	4153	**90,21**	29758	1,0	**KR673-2E132M/4B**	15,00	257		IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
7.5	18	3705	**80,38**	33503	1,2	**KR673-3E132M/4C**	14,40	262	142	IE3
10	21	3154	**68,47**	37291	1,4	**KR673-2E132M/4B**	15,00	257		IE2
	25	2716	**58,86**	39941	1,6					
	29	2360	**51,08**	41901	1,8					
	33	2066	**44,65**	43357	2,1					
	45	1519	**32,68**	45726	2,8					
	52	1308	**28,10**	46568	3,3					
	22	3094	**67,37**	18091	0,9	**KR573-3E132M/4C**	14,40	193	130	IE3
	25	2735	**59,49**	22291	1,0	**KR573-2E132M/4B**	15,00	188		IE2
	28	2434	**52,88**	25162	1,1					
	33	2062	**44,73**	28634	1,3					
	38	1761	**38,16**	31327	1,4					
	41	1630	**35,34**	32457	1,5					
	48	1397	**30,25**	34261	1,6					
	57	1199	**25,78**	35160	1,9					
	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/4C**	14,40	151	118	IE3
	49	1395	**30,11**	17939	1,1	**KR473-2E132M/4B**	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	118	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/4C**	14,40	118	106	IE3
	79	866	**18,62**	11470	0,9	**KR373-2E132M/4B**	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	106	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					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
11	8,0	12217	**184,83**	91409	1,2	**KR874-3E160M/4C**	21,00	762	170	IE3
15	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/6**	21,50	766	166	IE3
	9,4	10543	**103,24**	97791	1,4	**KR873-2E160L/6**	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	166	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/6**	21,50	450	154	IE3
	13	7810	**76,59**	55843	1,0	**KR773-2E160L/6**	22,00	450		IE2
	13	7525	**111,63**	57419	1,1	**KR773-3E160M/4C**	21,00	476	154	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					
	21	4612	**68,47**	25154	0,9	**KR673-3E160M/4C**	21,00	322	142	IE3
	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	130	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					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
11	63	1574	**23,19**	16370	1,0	**KR473-3E160M/4C**	21,00	214	118	IE3
15	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	9,4	14306	**103,24**	82207	1,0	**KR873-3E180L/6**	29,00	809	166	IE3
20	11	12874	**92,80**	88673	1,2	**KR873-2E180L/6**	29,00	789		IE2
	12	11237	**81,06**	95249	1,3					
	13	10673	**115,87**	97450	1,4	**KR873-3E160L/4D**	29,00	766	166	IE3
	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	154	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	142	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	130	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					

*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.



Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
15	155	883	**9,48**	29526	1,6	**KR573-3E160L/4D**	29,00	281	130	IE3
20	182	753	**8,07**	28605	1,7	**KR573-2E160L/4C**	29,30	278		IE2
	213	646	**6,91**	27688	1,9					
	84	1624	**17,49**	15562	0,9	**KR473-3E160L/4D**	29,00	240	118	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					
18.5	13	12640	**113,42**	89656	1,2	**KR874-3E180M/4C**	34,50	821	170	IE3
25	15	10983	**98,53**	96189	1,4	**KR874-2E180M/4B**	34,50	821		IE2
	12	13858	**81,06**	84247	1,1	**KR873-3E200L/6**	36,50	807	166	IE3
	14	12115	**70,76**	91801	1,2	**KR873-2E200L/6**	36,50	807		IE2
	14	11704	**103,24**	93451	1,3	**KR873-3E180M/4C**	34,50	804	166	IE3
	16	10533	**92,80**	97821	1,4	**KR873-2E180M/4B**	34,50	804		IE2
	18	9195	**81,06**	102364	1,6					
	21	8040	**70,76**	105817	1,9					
	24	7102	**62,42**	108630	2,1					
	27	6327	**55,53**	110730	2,4					
	30	5674	**49,75**	112387	2,6					
	34	4930	**43,22**	114806	3,0					
	39	4341	**38,00**	112515	3,3					
	19	8671	**76,59**	50588	0,9	**KR773-3E180M/4C**	34,50	537	154	IE3
	22	7520	**66,32**	57472	1,1	**KR773-2E180M/4B**	34,50	537		IE2
	25	6586	**58,00**	62026	1,2					
	29	5814	**51,13**	65570	1,4					
	33	5164	**45,36**	65841	1,5					
	36	4610	**40,44**	65000	1,7					
	38	4441	**39,00**	64707	1,8					
	44	3853	**33,78**	63444	2,1					
	50	3358	**29,40**	62085	2,4					
	56	3034	**26,52**	61007	2,6					
	63	2695	**23,52**	59698	3,0					
	70	2406	**20,97**	58398	3,3					
	73	2318	**20,23**	57978	3,4					
	33	5065	**44,65**	19115	0,8	**KR673-3E180M/4C**	34,50	399	142	IE3
	38	4458	**39,26**	26817	1,0	**KR673-2E180M/4B**	34,50	399		IE2
	45	3724	**32,68**	33355	1,2					
	52	3207	**28,10**	37015	1,3					
	60	2788	**24,38**	39559	1,5					
	69	2441	**21,32**	41471	1,8					
	79	2149	**18,74**	42949	2,0					
	89	1899	**16,54**	44104	2,3					
	102	1656	**14,49**	50128	1,8					
	118	1427	**12,46**	48913	2,0					
	136	1240	**10,81**	47488	2,2					
	156	1086	**9,45**	46117	2,4					
	178	956	**8,31**	44795	2,6					
	65	2598	**22,77**	27790	0,8	**KR573-3E180M/4C**	34,50	321	130	IE3
						KR573-2E180M/4B	34,50	321		IE2

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore* *Motor Eff. Class* Motor Effizienz-klasse
18.5	73	2313	**20,24**	30454	0,9	**KR573-3E180M/4C**	34,50	321	130	IE3
25	78	2145	**18,80**	31689	1,0	**KR573-2E180M/4B**	34,50	321		IE2
	93	1816	**15,88**	31210	1,1					
	109	1549	**13,53**	30618	1,2					
	127	1328	**11,58**	29948	1,3					
	131	1282	**11,22**	29173	1,1					
	156	1085	**9,48**	28449	1,3					
	183	926	**8,07**	27687	1,4					
	213	794	**6,91**	26903	1,5					
	163	1038	**9,06**	12807	0,9	**KR473-3E180M/4C**	34,50	279	118	IE3
	197	859	**7,48**	12790	1,0	**KR473-2E180M/4B**	34,50	279		IE2
	237	714	**6,21**	12658	1,2					
22	12	16483	**81,06**	70303	0,9	**KR873-3G200L/6b**	43,00	827	166	IE3
30	14	14410	**70,76**	81609	1,0	**KR873-2G200L/6b**	43,00	827		IE2
	14	13920	**103,24**	83967	1,1	**KR873-3E180L/4D**	42,50	844	166	IE3
	16	12527	**92,80**	90131	1,2	**KR873-2E180L/4C**	42,50	844		IE2
	18	10936	**81,06**	96365	1,4					
	21	9561	**70,76**	101165	1,6					
	24	8447	**62,42**	104716	1,8					
	27	7524	**55,53**	107357	2,0					
	30	6748	**49,75**	109595	2,2					
	34	5864	**43,22**	112553	2,5					
	39	5163	**38,00**	110238	2,8					
	43	4664	**34,28**	107854	3,0					
	22	8943	**66,32**	48734	0,9	**KR773-3E180L/4D**	42,50	578	154	IE3
	25	7833	**58,00**	55713	1,0	**KR773-2E180L/4C**	42,50	578		IE2
	29	6915	**51,13**	60547	1,2					
	33	6142	**45,36**	62321	1,3					
	36	5482	**40,44**	61862	1,5					
	38	5282	**39,00**	61681	1,5					
	44	4582	**33,78**	60823	1,7					
	50	3993	**29,40**	59804	2,0					
	56	3609	**26,52**	58950	2,2					
	63	3206	**23,52**	57873	2,5					
	70	2862	**20,97**	56770	2,8					
	73	2757	**20,23**	56409	2,9					
	84	2392	**17,52**	54934	3,2					
	97	2085	**15,25**	53450	3,5					
	45	4429	**32,68**	27119	1,0	**KR673-3E180L/4D**	42,50	439	142	IE3
	52	3815	**28,10**	32647	1,1	**KR673-2E180L/4C**	42,50	439		IE2
	60	3316	**24,38**	36295	1,3					
	69	2903	**21,32**	38906	1,5					
	79	2556	**18,74**	40876	1,7					
	89	2259	**16,54**	42403	1,9					
	102	1970	**14,49**	48904	1,5					
	118	1697	**12,46**	47633	1,7					
	136	1475	**10,81**	46378	1,8					
	156	1291	**9,45**	45147	2,0					
	178	1137	**8,31**	43941	2,2					
	93	2160	**15,88**	29574	0,9	**KR573-3E180L/4D**	42,50	361	130	IE3
	109	1842	**13,53**	29225	1,0	**KR573-2E180L/4C**	42,50	361		IE2
	127	1580	**11,58**	28755	1,1					
	131	1525	**11,22**	27898	1,0					
	156	1291	**9,48**	27371	1,1					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
22	183	1101	**8,07**	26769	1,2	**KR573-3E180L/4D**	42,50	361	130	IE3
30	213	944	**6,91**	26117	1,3	**KR573-2E180L/4C**	42,50	361		IE2
	197	1021	**7,48**	11869	0,8	**KR473-3E180L/4D**	42,50	319	118	IE3
	237	849	**6,21**	11893	1,0	**KR473-2E180L/4C**	42,50	319		IE2
30	18	14913	**81,06**	79086	1,0	**KR873-3G200L/4**	55,00	868	166	IE3
40	21	13039	**70,76**	87943	1,2	**KR873-2G200L/4**	55,00	855		IE2
	24	11519	**62,42**	94173	1,3					
	27	10261	**55,53**	98787	1,5					
	30	9203	**49,75**	102239	1,6					
	34	7997	**43,22**	106655	1,8					
	39	7041	**38,00**	105031	2,0					
	43	6361	**34,28**	103156	2,2					
	49	5550	**29,88**	100537	2,4					
	61	4516	**24,28**	96417	3,1					
	33	8376	**45,36**	52467	1,0	**KR773-3G200L/4**	55,00	601	154	IE3
	36	7477	**40,44**	54688	1,1	**KR773-2G200L/4**	55,00	588		IE2
	38	7204	**39,00**	54764	1,1					
	44	6249	**33,78**	54831	1,3					
	50	5446	**29,40**	54590	1,5					
	56	4922	**26,52**	54247	1,6					
	63	4372	**23,52**	53701	1,8					
	70	3903	**20,97**	53050	2,0					
	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	**KR673-3G200L/4**	55,00	460	142	IE3
	69	3959	**21,32**	31466	1,1	**KR673-2G200L/4**	55,00	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	27	12656	**55,53**	89463	1,2	**KR873-3G225S/4**	67,00	970	166	IE3
50	30	11351	**49,75**	94671	1,3	**KR873-2G225S/4**	67,00	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					

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Tabelle prestazionali dei motoriduttori serie K

K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
37 50	38 44 50 56 63 70 73 84 97 114 129 145 150 173 199	8885 7708 6717 6071 5393 4814 4638 4024 3507 2958 2628 2346 2260 1961 1709	**39,00** **33,78** **29,40** **26,52** **23,52** **20,97** **20,23** **17,52** **15,25** **12,89** **11,44** **10,20** **9,83** **8,52** **7,41**	48711 49588 50027 50131 50050 49795 49683 49108 48380 45420 44785 44095 43862 42884 41866	0,9 1,0 1,2 1,3 1,5 1,7 1,7 1,9 2,1 1,5 1,7 1,8 1,9 2,1 2,3	**KR773-3G225S/4** **KR773-2G225S/4**	67,00 67,00	693 677	154	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	**KR673-3G225S/4** **KR673-2G225S/4**	67,00 67,00	552 536	142	IE3 IE2
45 60	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	**KR873-3G225M/4** **KR873-2G225M/4**	80,00 80,00	1002 1002	166	IE3 IE2
	50 56 63 70 73 84 97 114 129 145 150 173 199	8170 7384 6559 5855 5642 4894 4265 3598 3196 2853 2749 2385 2079	**29,40** **26,52** **23,52** **20,97** **20,23** **17,52** **15,25** **12,89** **11,44** **10,20** **9,83** **8,52** **7,41**	44812 45428 45877 46075 46095 46000 45676 42722 42392 41961 41805 41102 40315	1,0 1,1 1,2 1,4 1,4 1,5 1,7 1,3 1,4 1,5 1,5 1,7 1,9	**KR773-3G225M/4** **KR773-2G225M/4**	80,00 80,00	728 728	154	IE3 IE2
	156 178	2643 2327	**9,45** **8,31**	38766 38332	1,0 1,1	**KR673-3G225M/4** **KR673-2G225M/4**	80,00 80,00	587 587	142	IE3 IE2
55 75	34 39 43 50 61 69 77	14614 12867 11624 10143 8252 7266 6564	**43,22** **38,00** **34,28** **29,88** **24,28** **21,34** **19,26**	81836 88743 88461 87734 86018 84657 83440	1,0 1,1 1,2 1,3 1,7 1,9 2,0	**KR873-3G250M/4** **KR873-2G250M/4**	96,00 96,00	1093 1093	166	IE3 IE2

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Tabelle prestazionali dei motoriduttori serie K

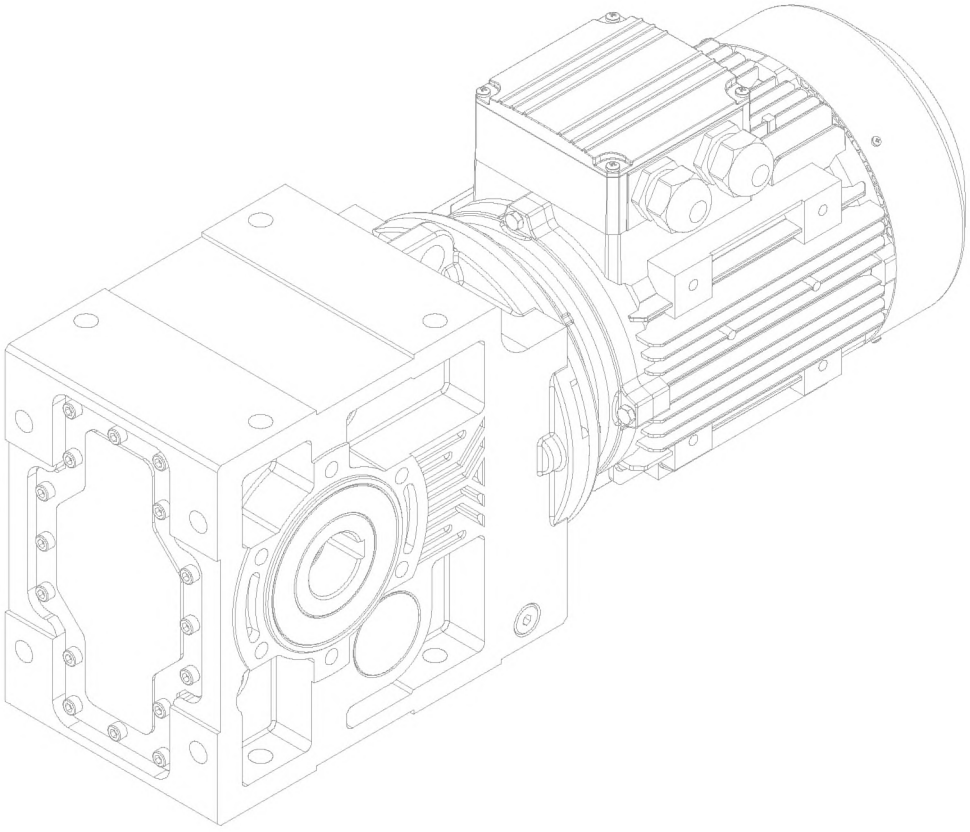
K Series Geared Motors Performance Tables

K Serien Getriebemotoren Leistung und Drehzahlübersicht

Potenza *Power* Leistung) P_g [kW] P_g [HP]	IE3 Velocità di rotazione in uscita *Output Speeds* Abtriebswelle Drehzahlen n_2 [r.p.m]	IE3 Coppia trasmessa *Output Torque* Abtriebswelle Drehmomente M_2 [Nm]	Rapporto *Ratio* Übersetzung i	IE3 Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) F_{qam} [N]	IE3 Fattori di servizio *Service Factors* Betriebsfaktor f_s	Tipo *Type* Typ	Corrente nominale *Rated Current* Nennstrom [A]	Peso *Weight* Gewicht ~ [kg]	Tabella dim. *Dim. Page* Maße Seite	Classe eff. del motore * *Motor Eff. Class* Motor Effizienz-klasse
55	88	5728	**16,78**	81666	2,2	**KR873-3G250M/4**	96,00	1093	166	IE3
75	106	4745	**13,93**	77275	1,8	**KR873-2G250M/4**	96,00	1093		IE2
	121	4178	**12,25**	75584	2,0					
	134	3775	**11,05**	74170	2,1					
	154	3294	**9,63**	72213	2,4					
	63	7990	**23,52**	40661	1,0	**KR773-3G250M/4**	96,00	818	154	IE3
	71	7133	**20,97**	41424	1,1	**KR773-2G250M/4**	96,00	818		IE2
	73	6872	**20,23**	41611	1,1					
	84	5962	**17,52**	42116	1,3					
	97	5196	**15,25**	42296	1,4					
	115	4383	**12,89**	39350	1,0					
	129	3894	**11,44**	39400	1,1					
	145	3476	**10,20**	39294	1,2					
	151	3349	**9,83**	39232	1,3					
	174	2906	**8,52**	38874	1,4					
	200	2532	**7,41**	38376	1,5					
75	50	13786	**29,88**	77481	1,0	**KR873-3G280S/4**	133,00	1280	166	IE3
97	61	11216	**24,28**	77690	1,3	**KR873-2G280S/4**	133,00	1280		IE2
	70	9876	**21,34**	77337	1,4					
	77	8922	**19,26**	76837	1,5					
	88	7785	**16,78**	75912	1,6					
	107	6450	**13,93**	71851	1,3					
	121	5679	**12,25**	70816	1,5					
	134	5130	**11,05**	69869	1,6					
	154	4477	**9,63**	68466	1,8					
90	61	13460	**24,28**	71440	1,0	**KR873-3G280M/4**	158,00	1350	166	IE3
117	70	11852	**21,34**	71843	1,1	**KR873-2G280M/4**	158,00	1350		IE2
	77	10707	**19,26**	71881	1,2					
	88	9343	**16,78**	71594	1,3					
	107	7740	**13,93**	67780	1,1					
	121	6815	**12,25**	67238	1,2					
	134	6157	**11,05**	66642	1,3					
	154	5373	**9,63**	65653	1,5					

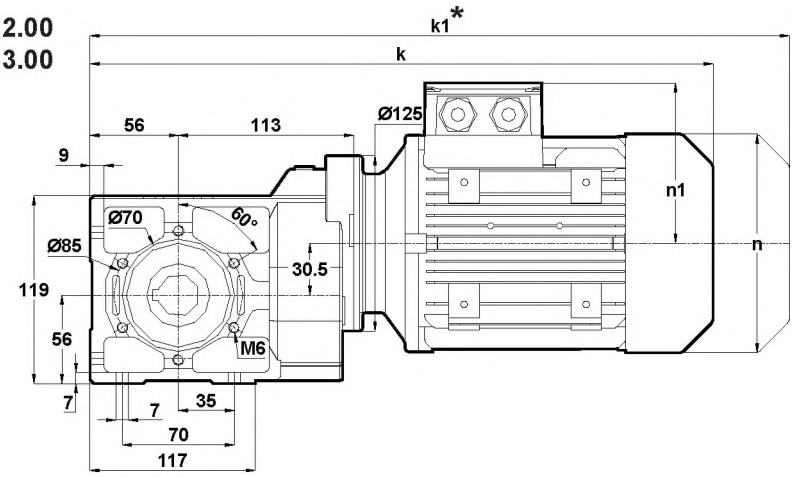
*: I prezzi dei motoriduttori IE2 e IE3 sono differenti. / *Geared motor prices are different for IE2 and IE3 motors.* / Preise von Getrieben mit IE2 und IE3 Motoren sind unterschiedlich.

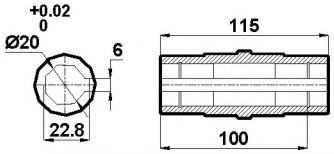
Note / *Notes* / Notizen

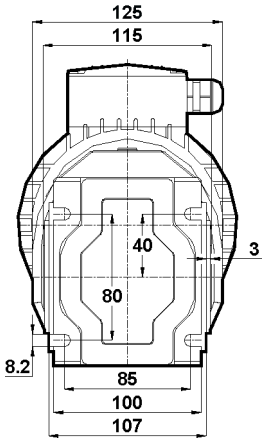


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR002.00
KR003.00

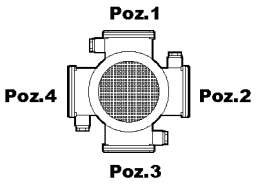






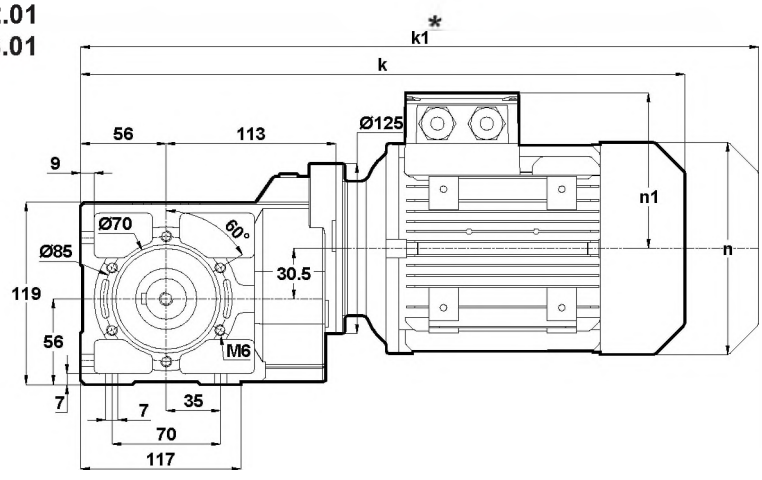
	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

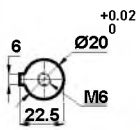
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

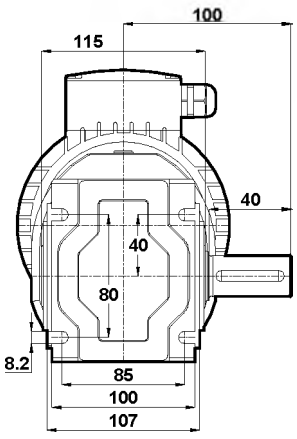


63-71-80-90
Tip / *Type* / Typ

KR002.01
KR003.01







	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

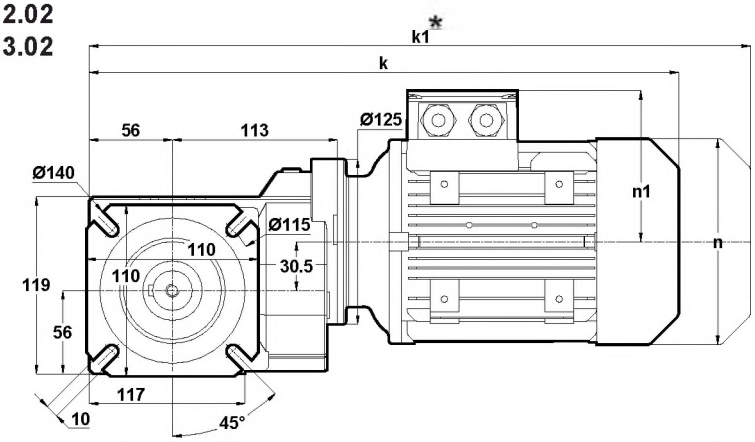
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

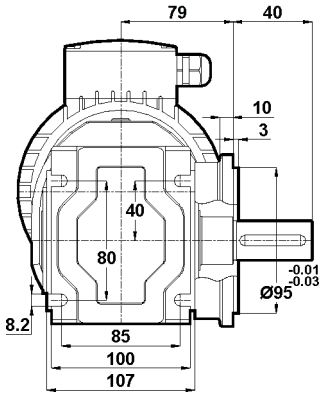


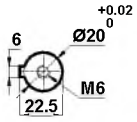
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

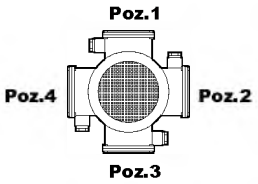
KR002.02
KR003.02







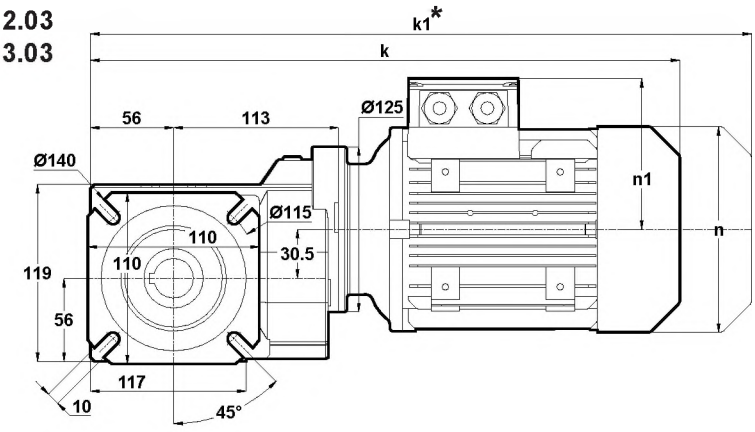
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

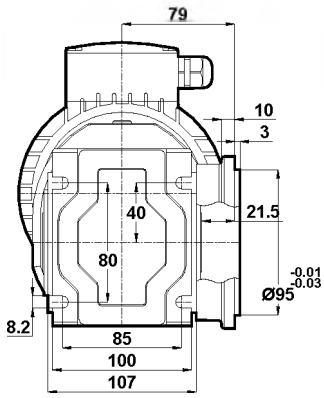


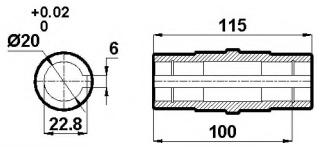
63-71-80-90
Tip / *Type* / Typ

	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

KR002.03
KR003.03







	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

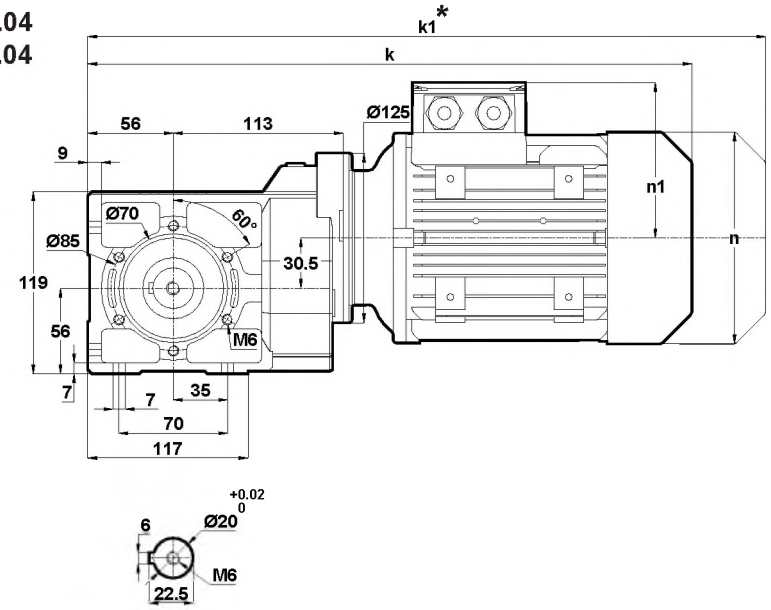
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Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

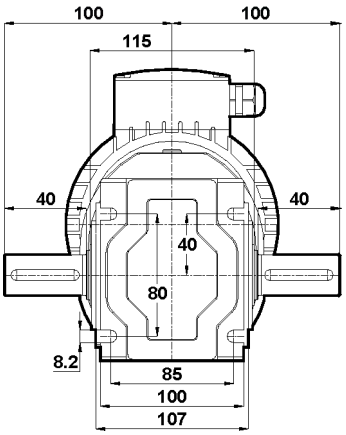


Tabelle dimensionali
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

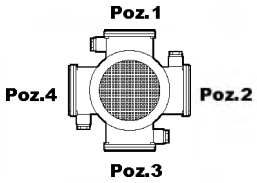
KR002.04
KR003.04





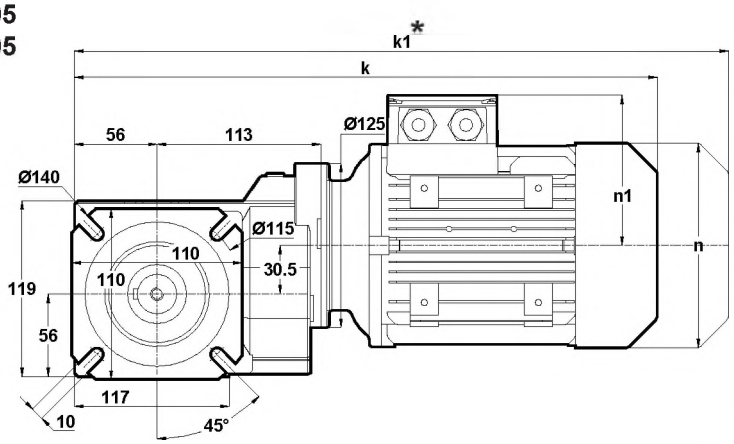
	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

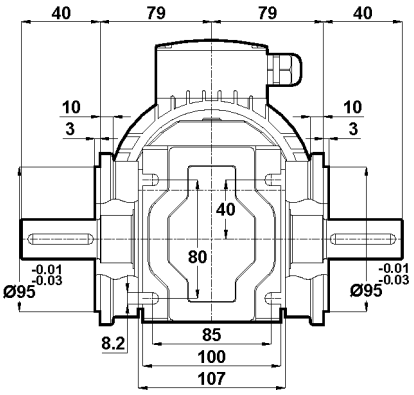
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

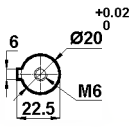


63-71-80-90
Tip / *Type* / Typ

KR002.05
KR003.05







	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

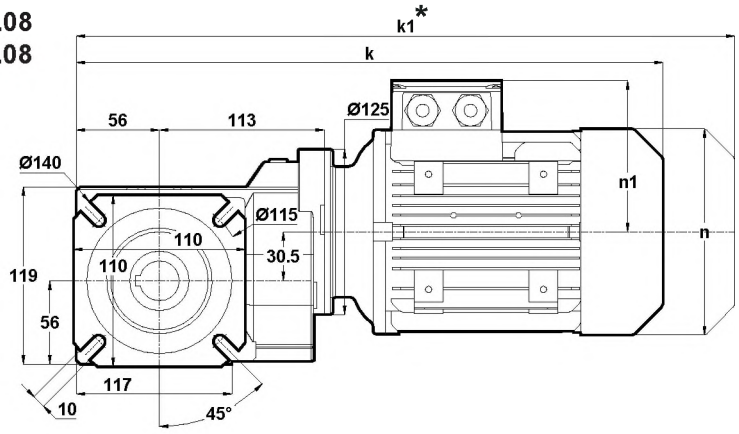
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

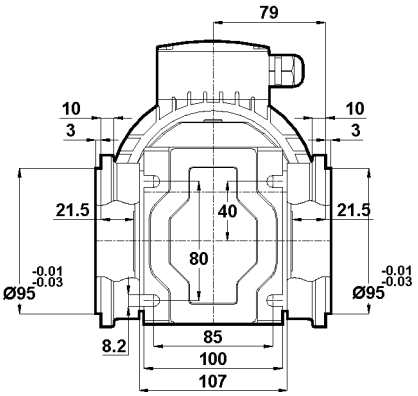


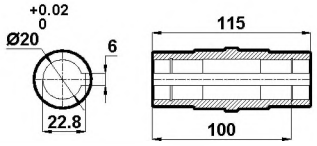
Tabelle dimensionali
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Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR002.08
KR003.08

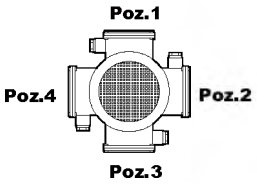






	63	71	80	90S	90L
k	366	395	429	468	468
k1	427	486	522	572.5	572.5
n	121	137	155	176	176
n1	97	112	121	132	132

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80-90
Tip / *Type* / Typ

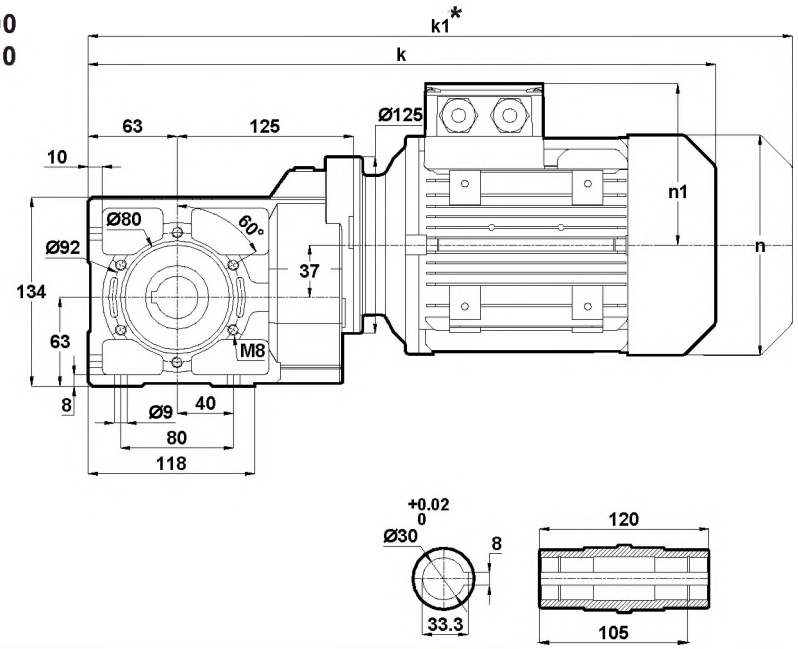
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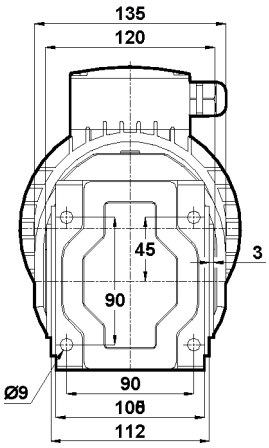


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

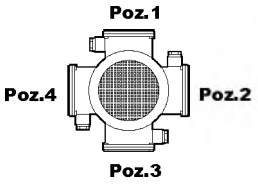
KR102.00
KR103.00





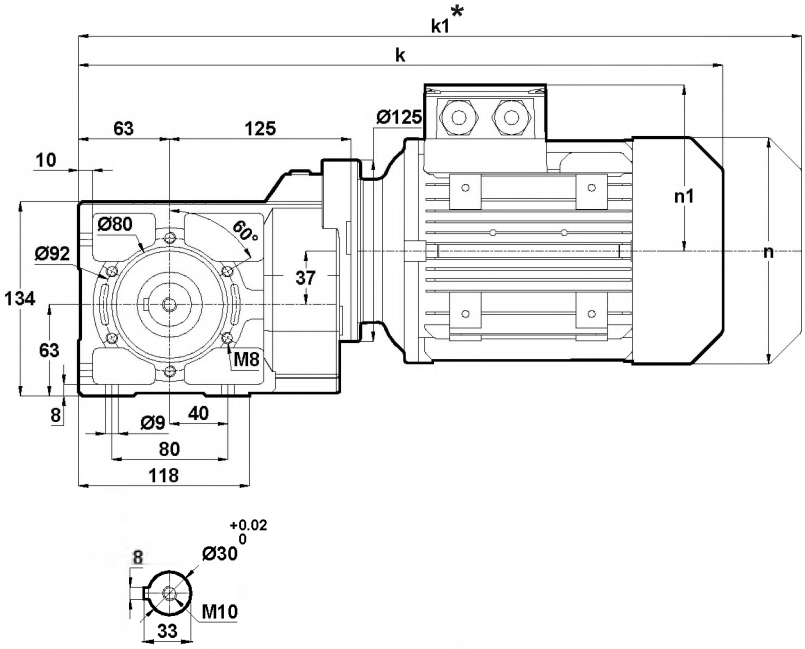
	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

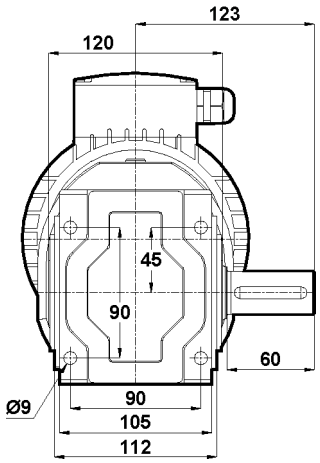
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80-90
Tip / *Type* / Typ

KR102.01
KR103.01





	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

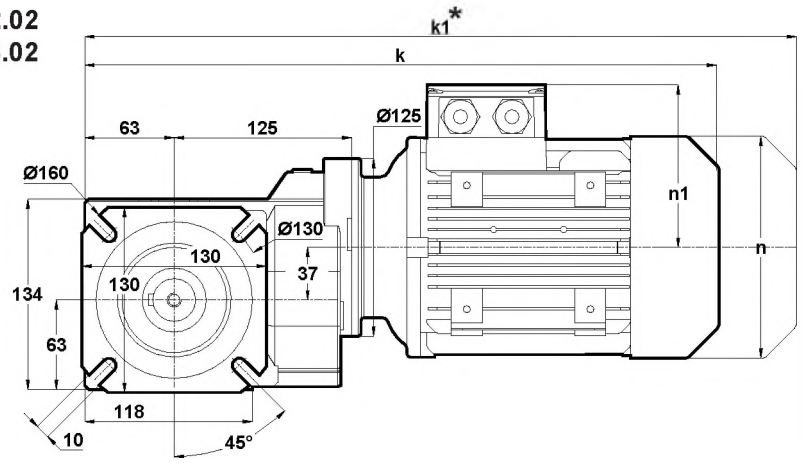
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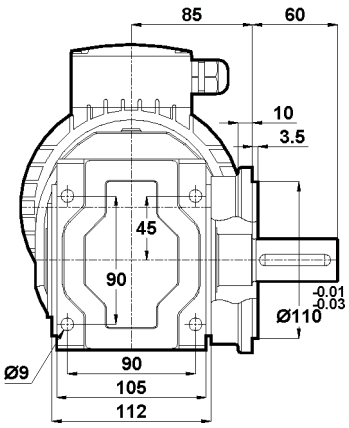


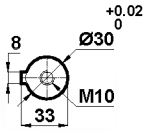
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR102.02
KR103.02

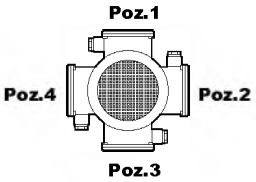






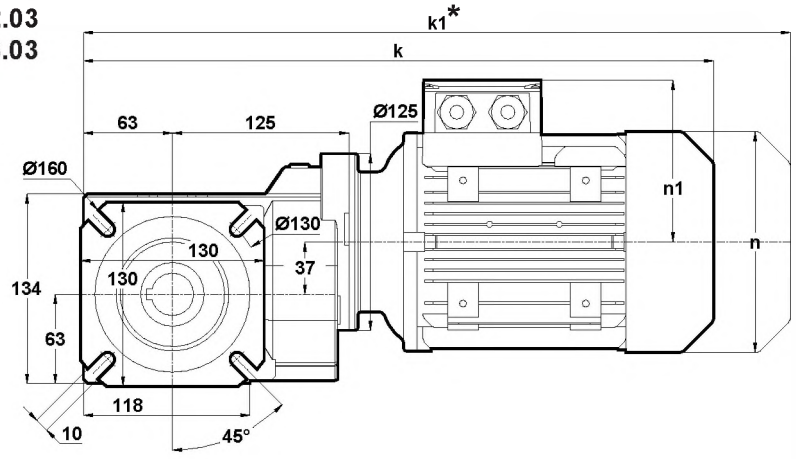
	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

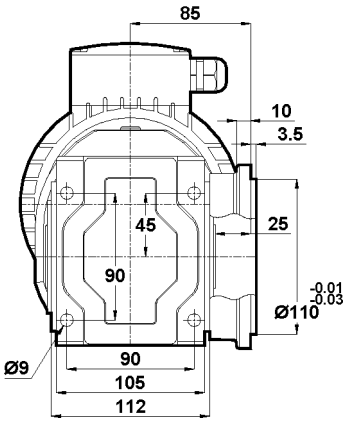
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

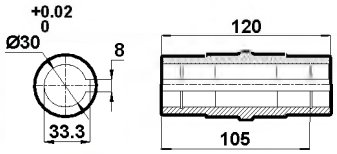


63-71-80-90
Tip / *Type* / Typ

KR102.03
KR103.03







	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

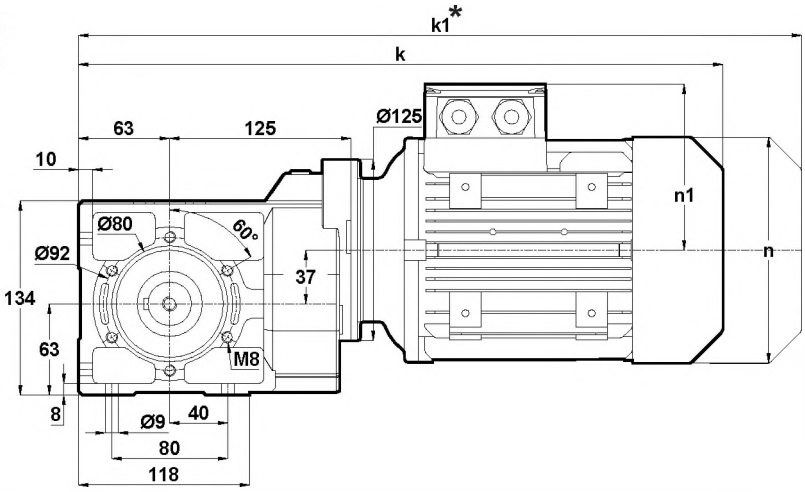
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

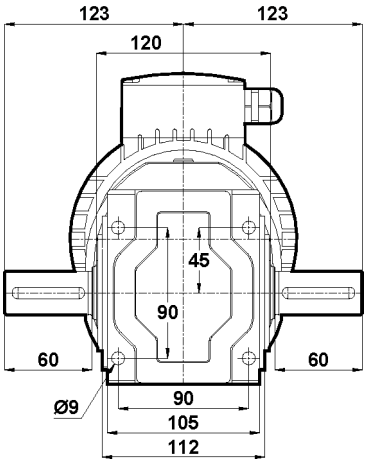


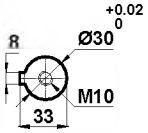
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR102.04
KR103.04

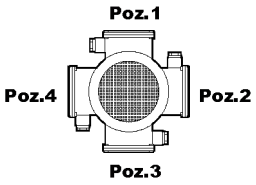






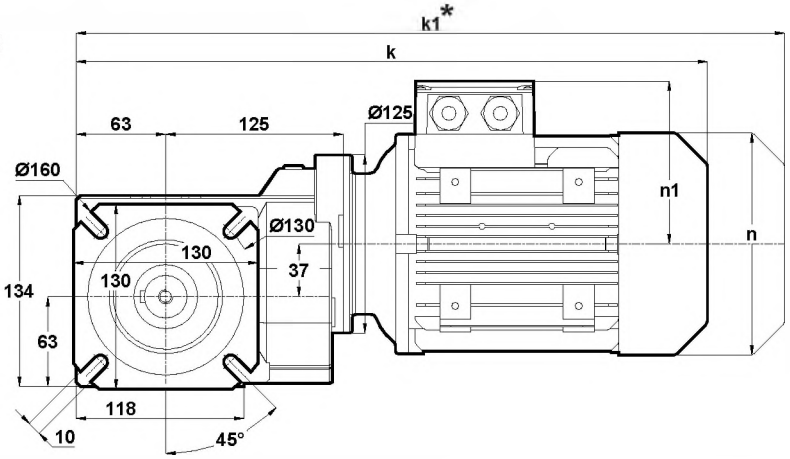
	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

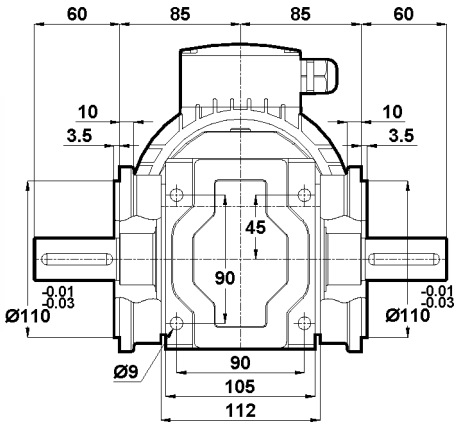
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

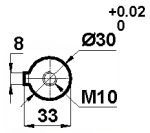


63-71-80-90
Tip / *Type* / Typ

KR102.05
KR103.05







	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

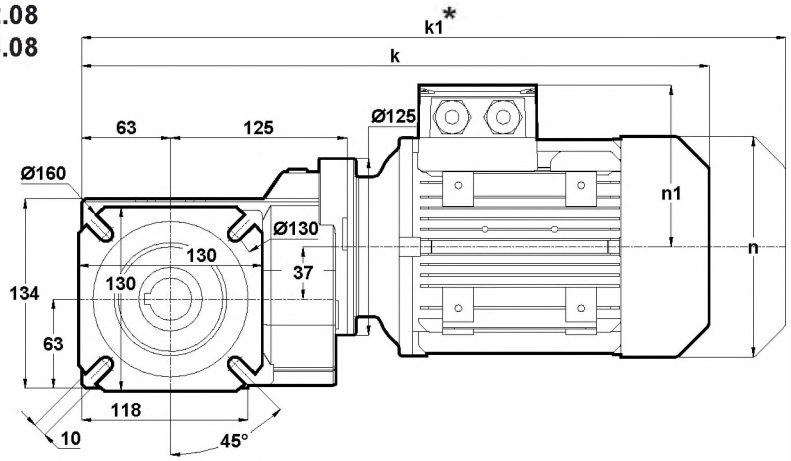
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

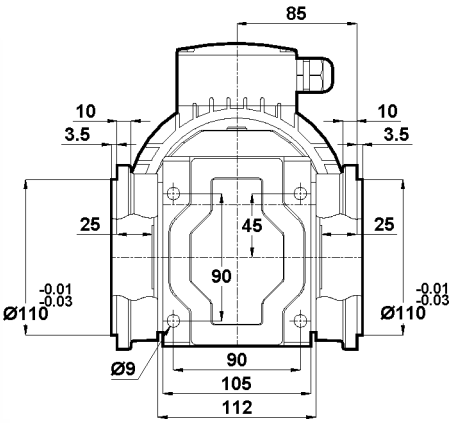


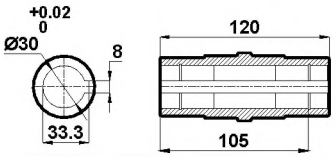
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR102.08
KR103.08

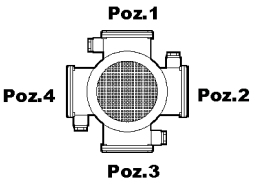






	63	71	80	90S	90L
k	385	414	448	487	487
k1	446	505	541	591.5	591.5
n	121	137	155	176	176
n1	97	112	121	132	132

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80-90
Tip / *Type* / Typ

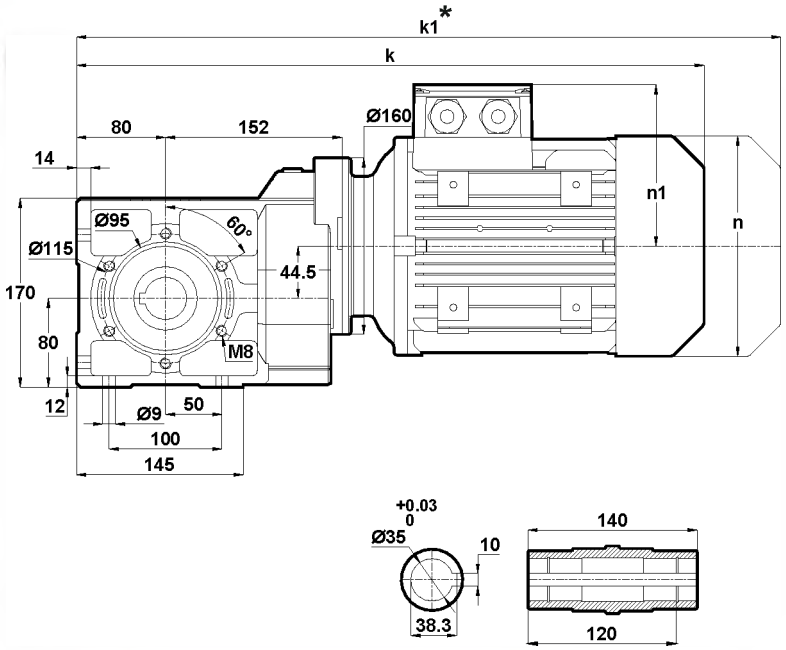
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

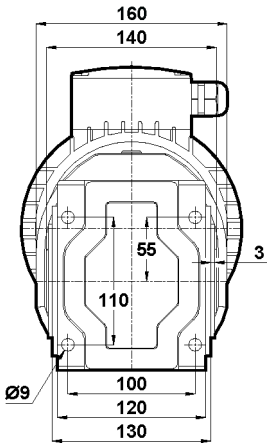


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

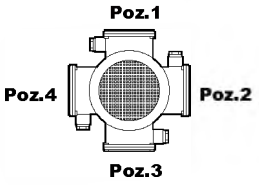
KR202.00
KR203.00





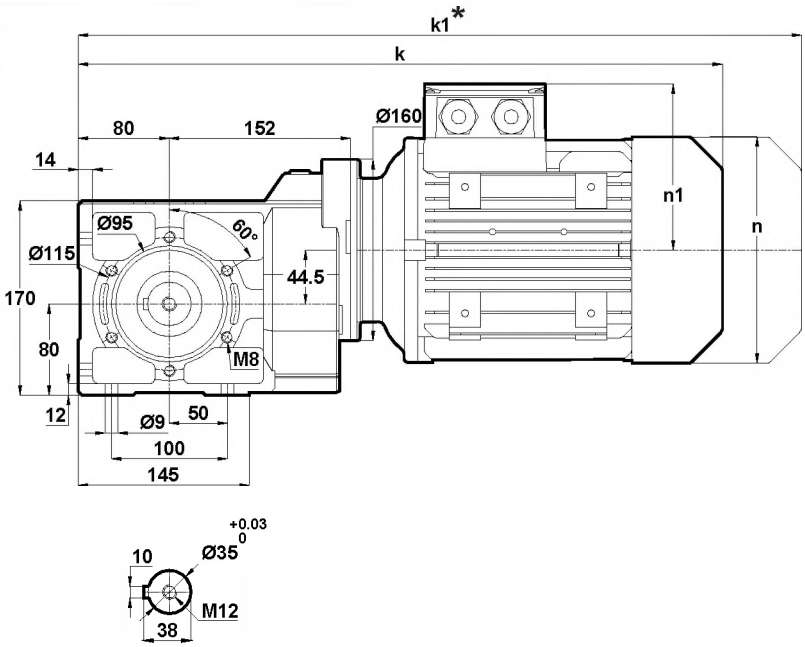
	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

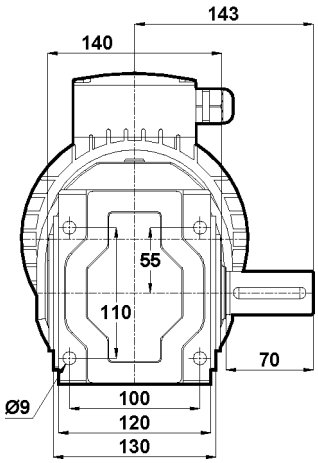
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR202.01
KR203.01





	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

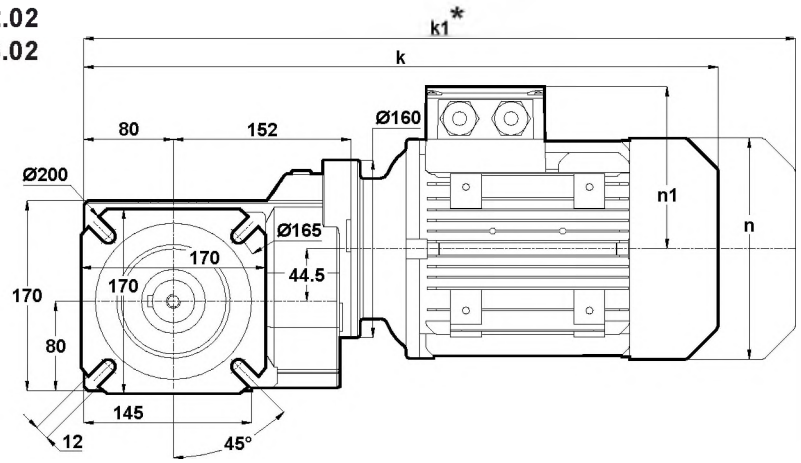
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

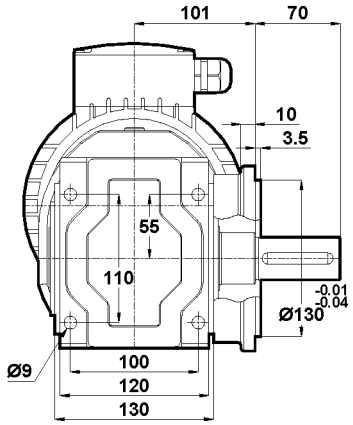


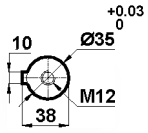
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

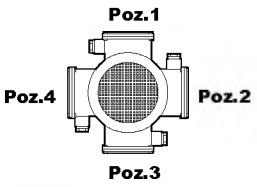
KR202.02
KR203.02







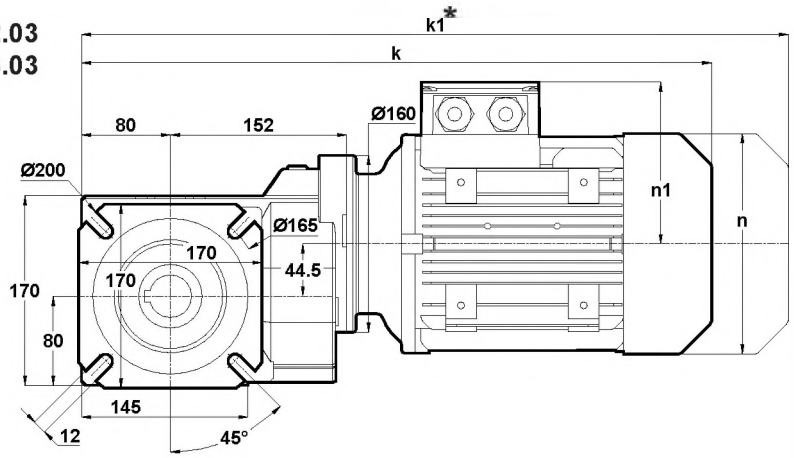
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

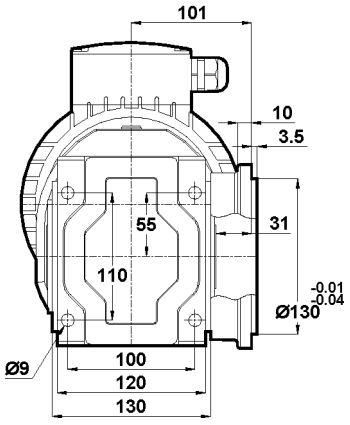


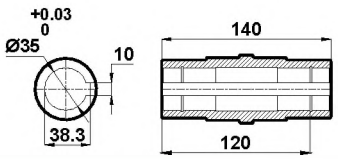
63-71-80-90-100-112
Tip / *Type* / Typ

	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

KR202.03
KR203.03







	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

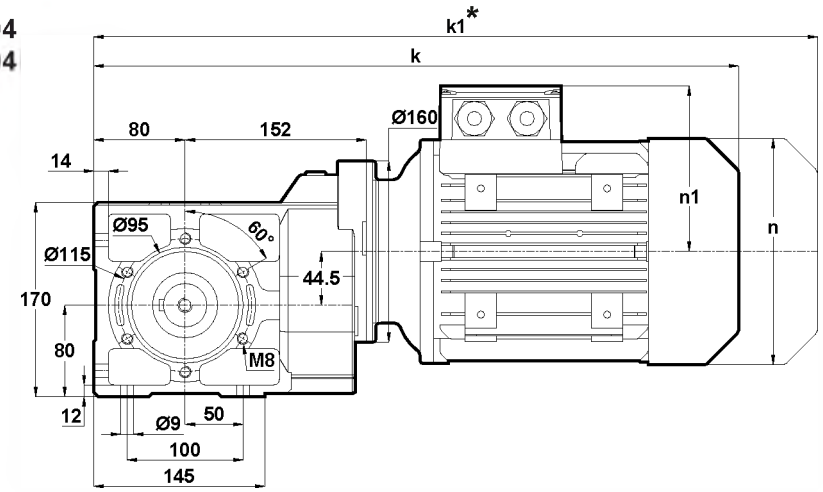
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

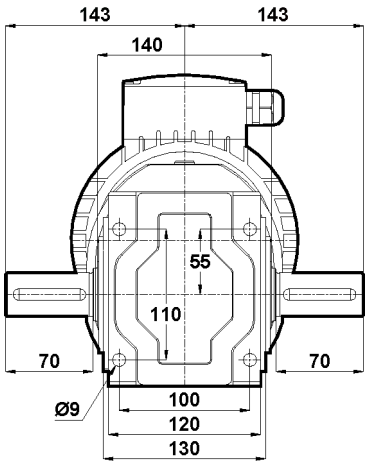


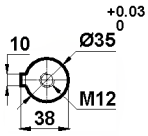
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR202.04
KR203.04

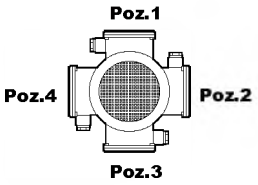






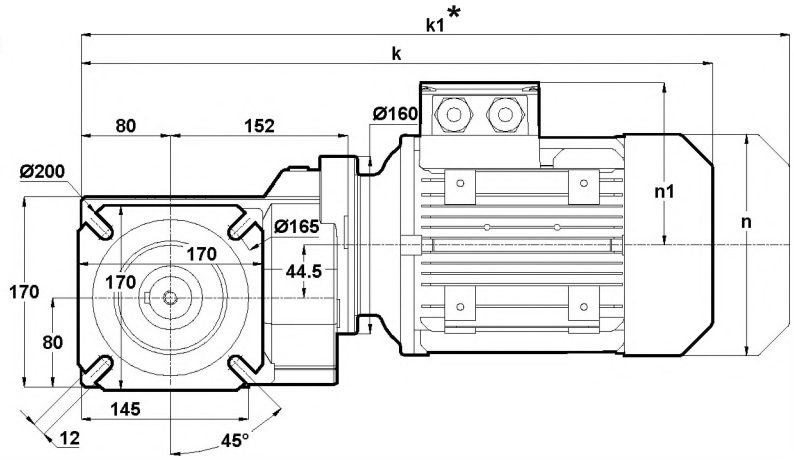
	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

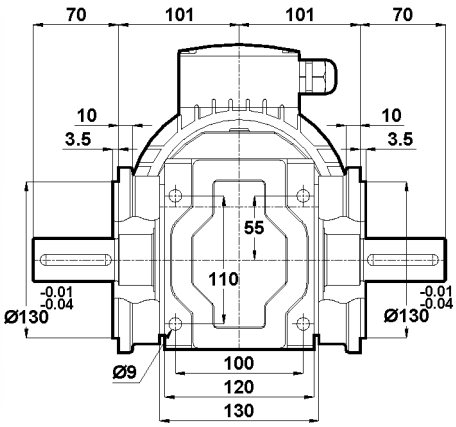
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

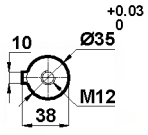


63-71-80-90-100-112
Tip / *Type* / Typ

KR202.05
KR203.05





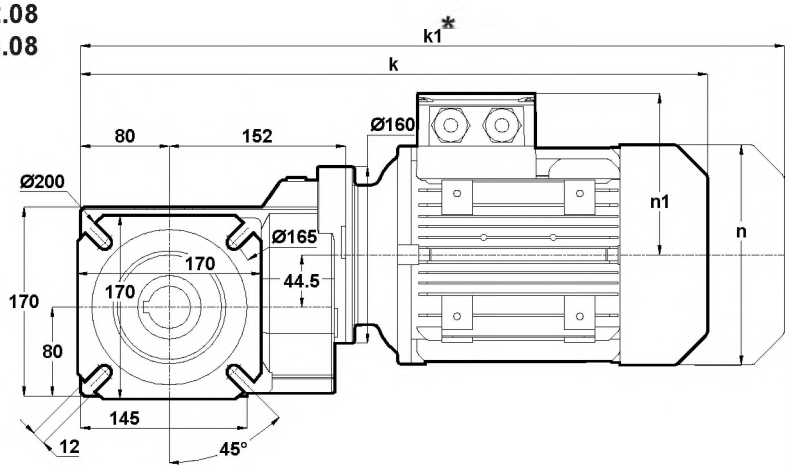


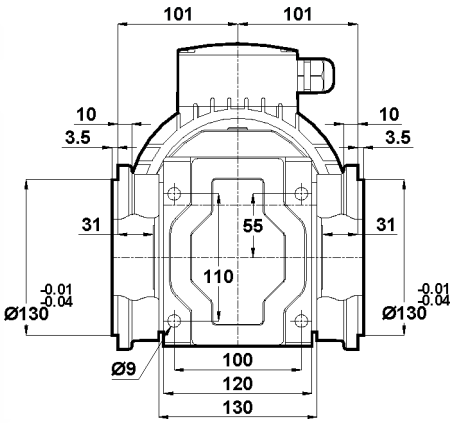
	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

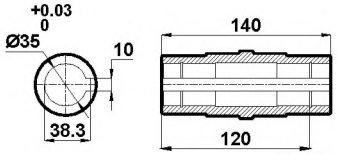
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR202.08
KR203.08

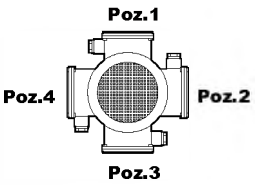






	63	71	80	90S	90L	100L	112M
k	425	453	487	526	526	574	598
k1	486	544	580	630.5	630.5	639.5	702.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

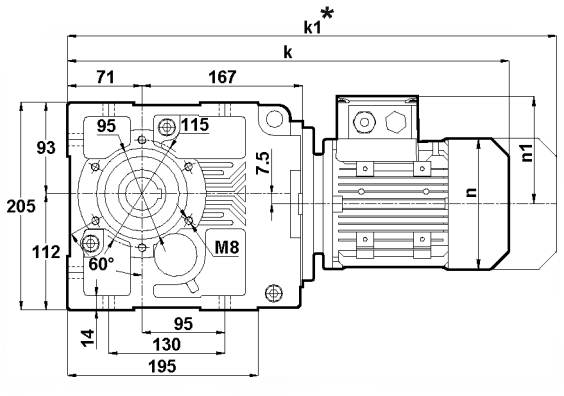


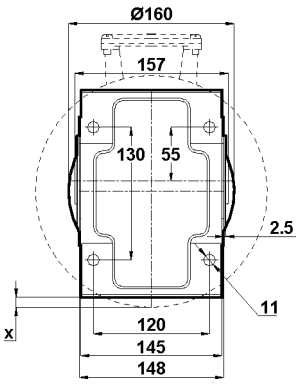
63-71-80-90-100-112
Tip / *Type* / Typ

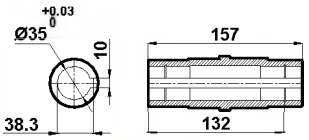
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR273.00



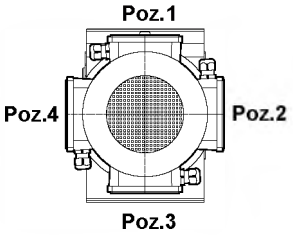




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

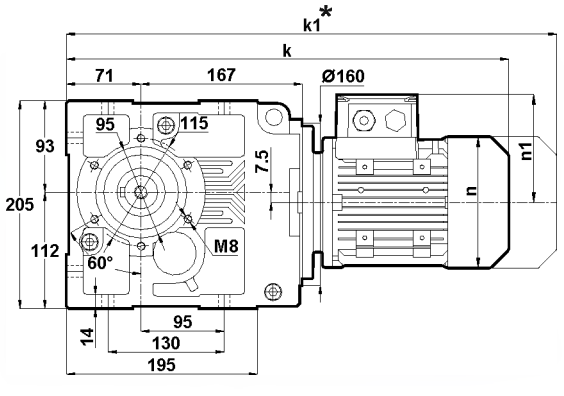
	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

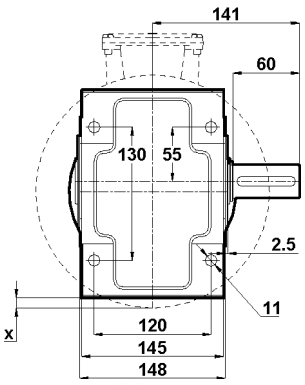
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

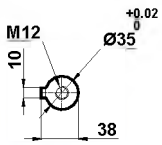


63-71- 80-90-100-112
Tip / *Type* / Typ

KR273.01







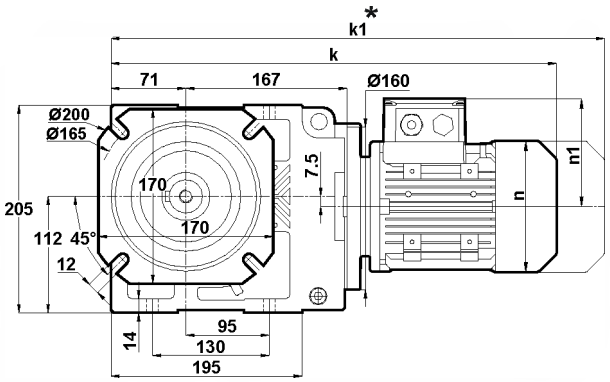
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

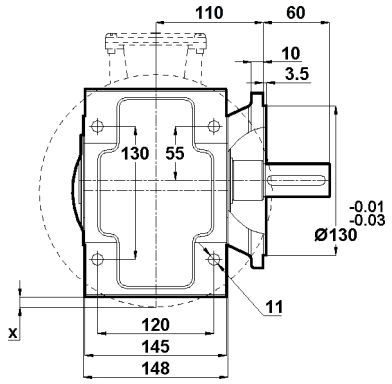
	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

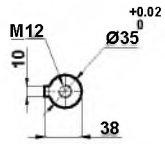
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR273.02



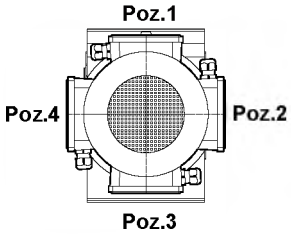


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



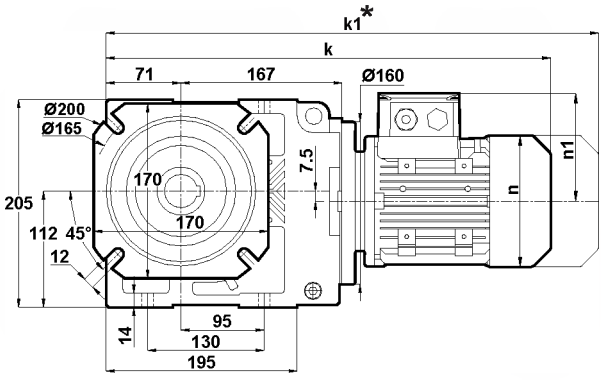
	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

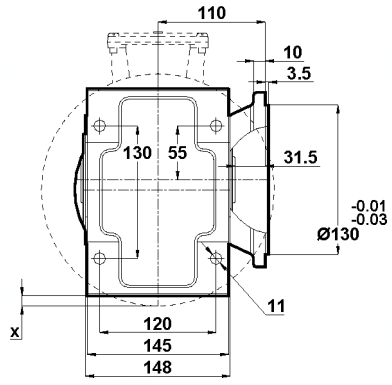
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



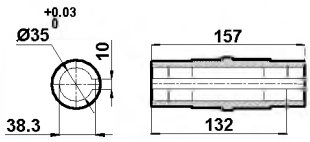
63-71-80-90-100-112
Tip / *Type* / Typ

KR273.03





x: se il motore è inferiore al piano di montaggio del piede
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	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

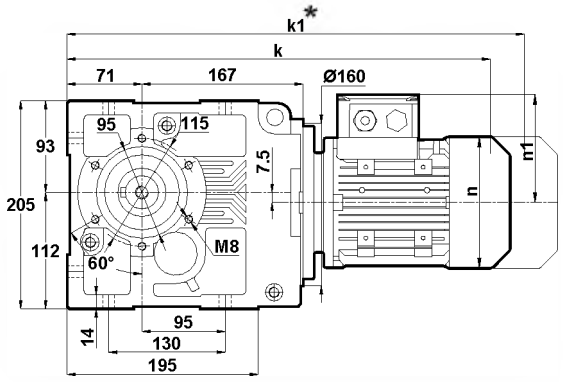
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

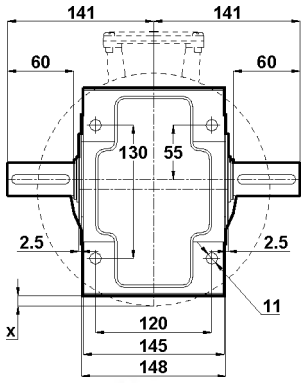


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

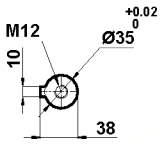
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR273.04



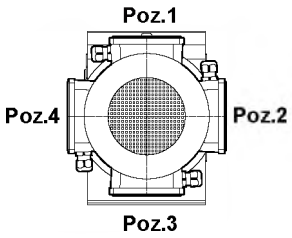


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



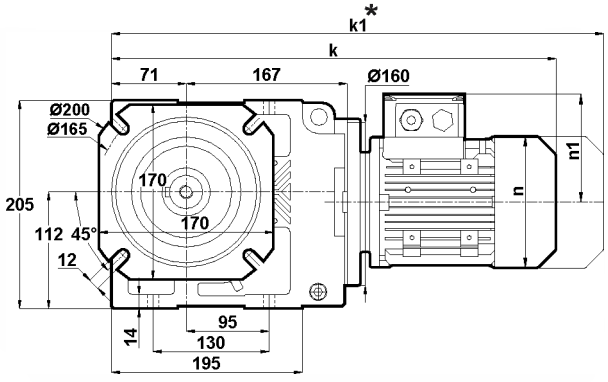
	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

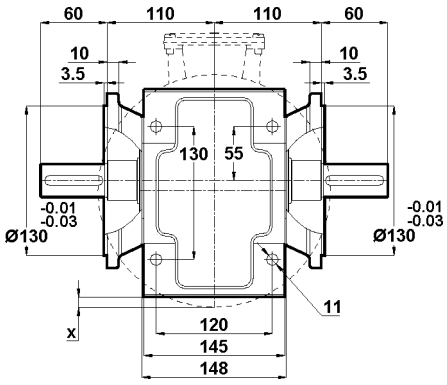
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



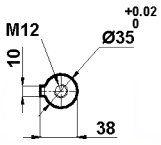
63-71- 80-90-100-112
Tip / *Type* / Typ

KR273.05





x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

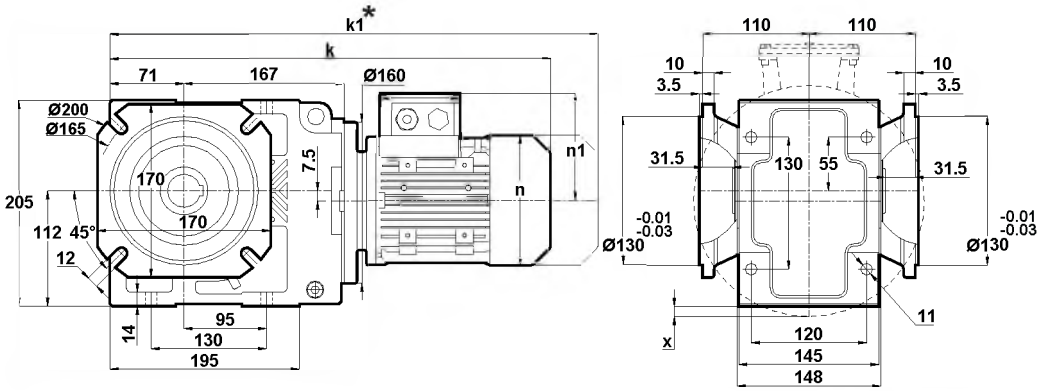


	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

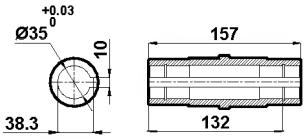
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR273.08

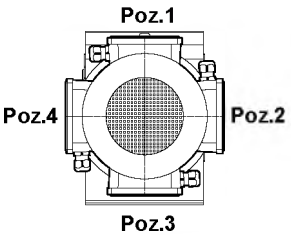


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



	63	71	80	90S	90L	100L	112M
k	431	459	493	532	532	580	604
k1	492	550	586	636.5	636.5	699.5	708.5
n	121	137	155	176	176	193	215
n1	97	112	121	132	132	147	158
x	-	-	-	-	-	-	3

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

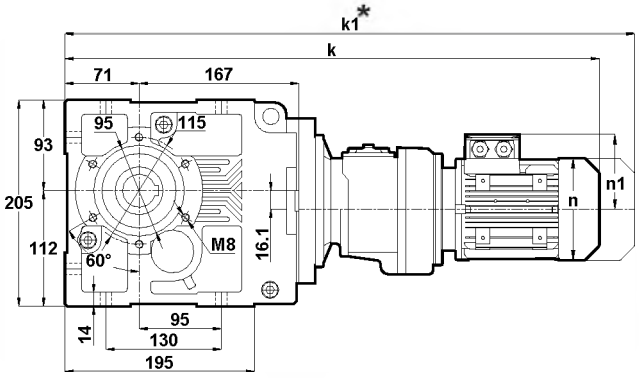


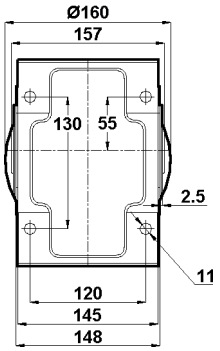
63-71- 80-90-100-112
Tip / *Type* / Typ

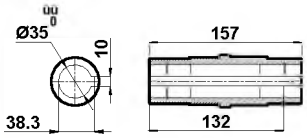
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR275.00
KR276.00

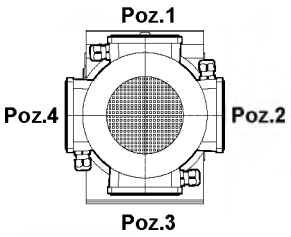






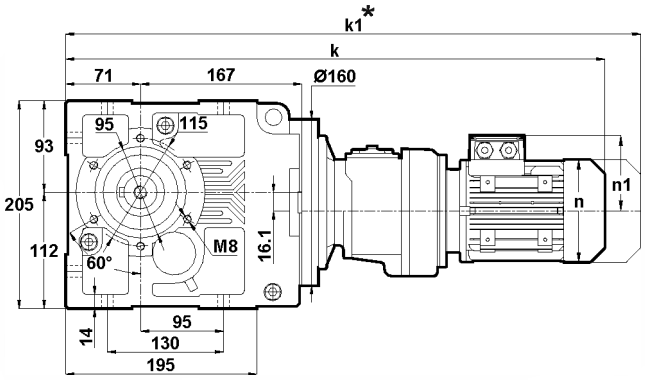
	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

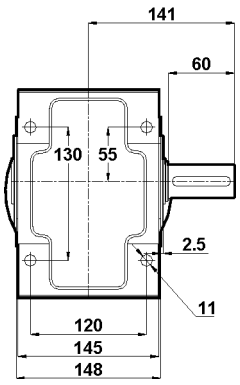
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

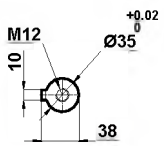


63-71-80
Tip / *Type* / Typ

KR275.01
KR276.01







	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

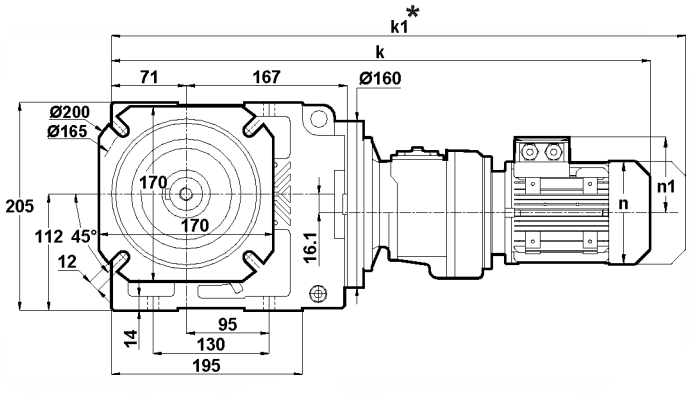
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

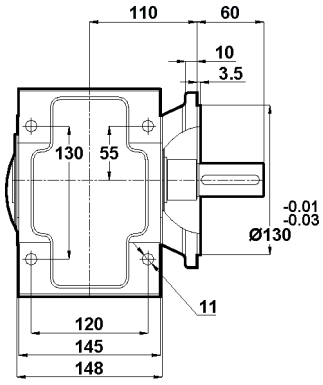


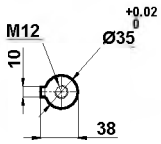
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

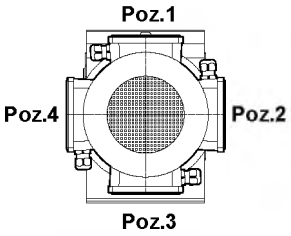
KR275.02
KR276.02







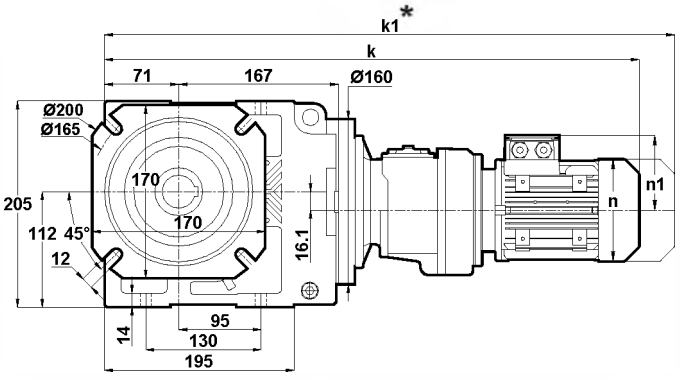
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

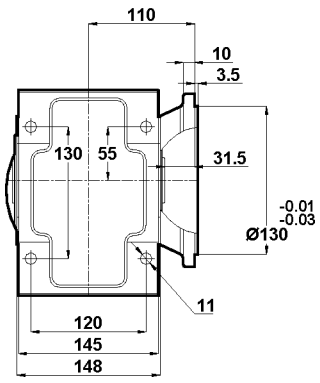


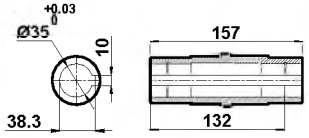
63-71-80
Tip / *Type* / Typ

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k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

KR275.03
KR276.03





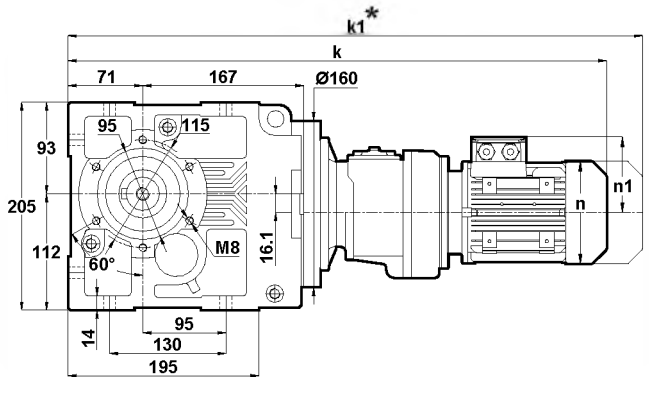


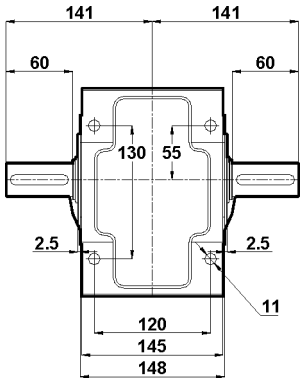
	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

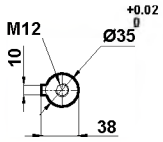
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR275.04
KR276.04

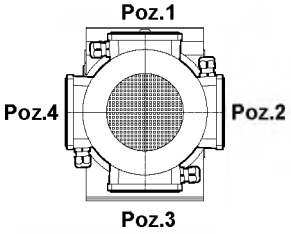






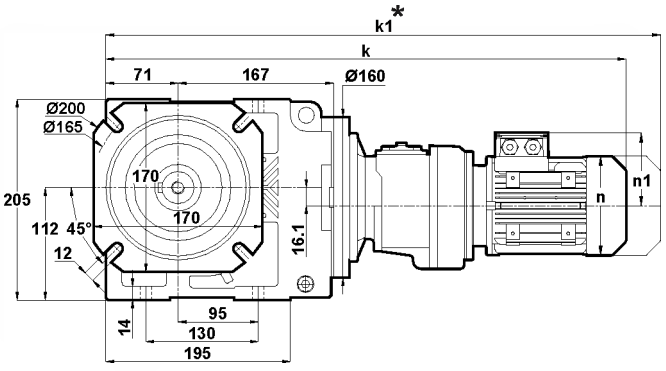
	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

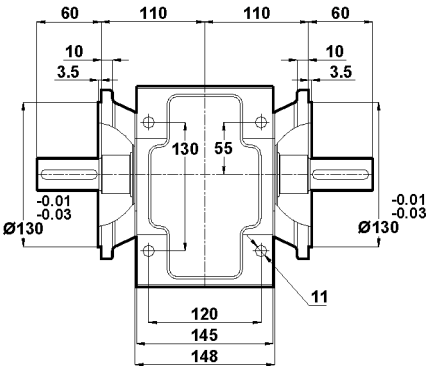
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

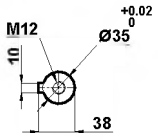


63-71-80
Tip / *Type* / Typ

KR275.05
KR276.05





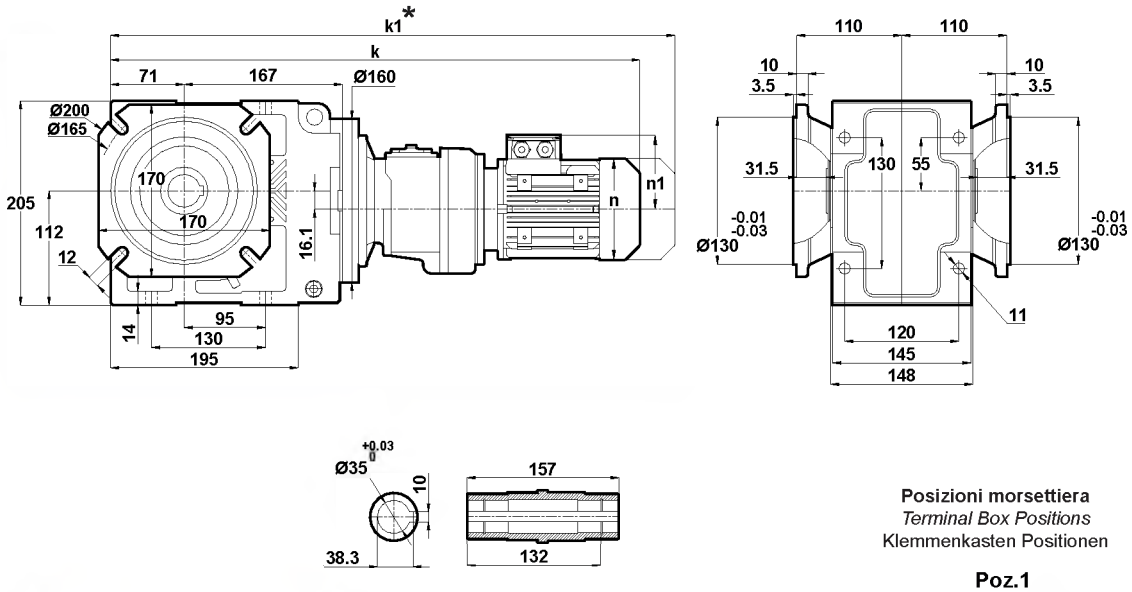


	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

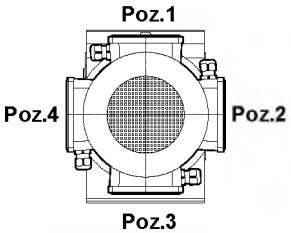
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR275.08
KR276.08



	63	71	80
k	581	610	644
k1	642	701	737
n	121	137	155
n1	97	112	121

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tip / *Type* / Typ

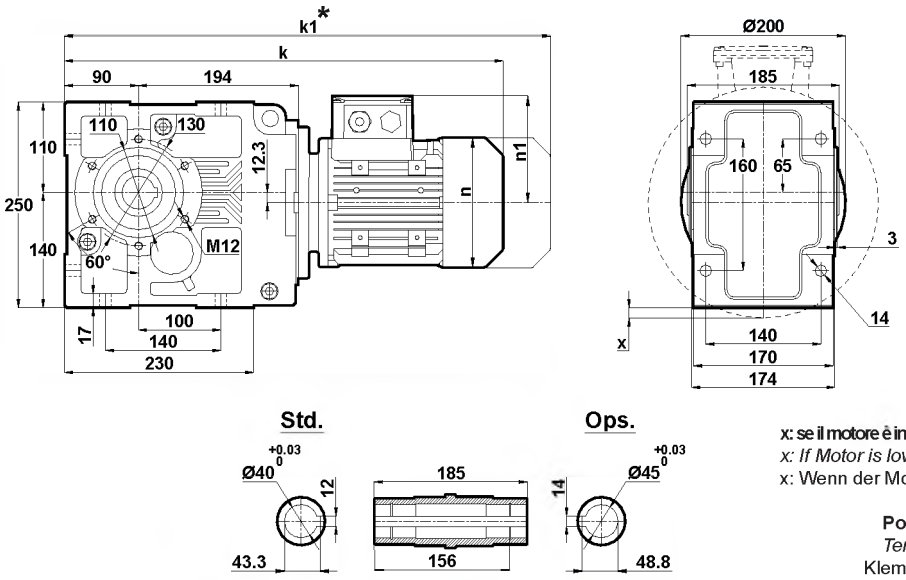
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

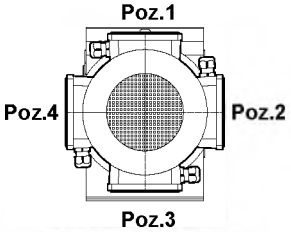
KR373.00



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

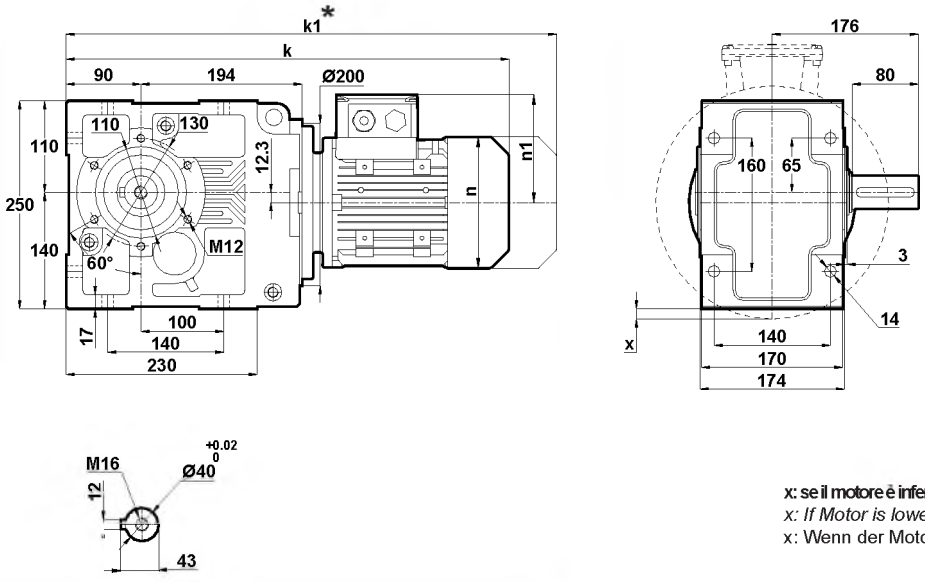
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR373.01



x: se il motore è inferiore al piano di montaggio del piede
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	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

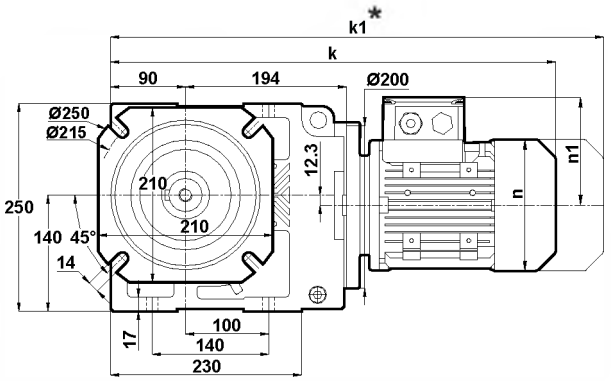
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

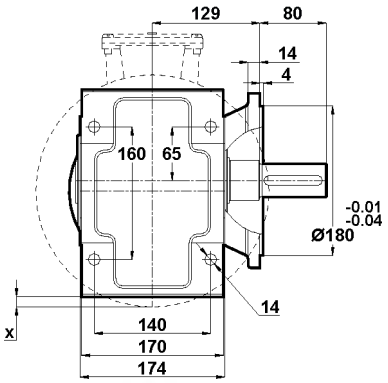


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

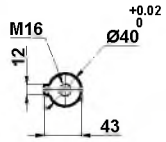
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR373.02

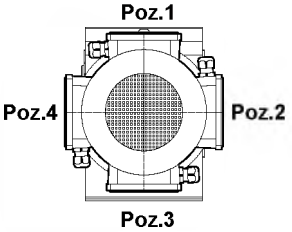




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



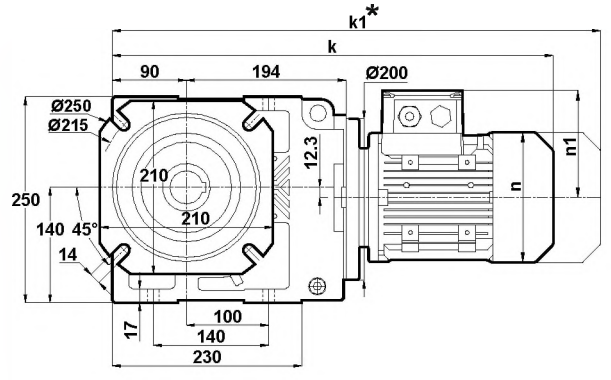
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

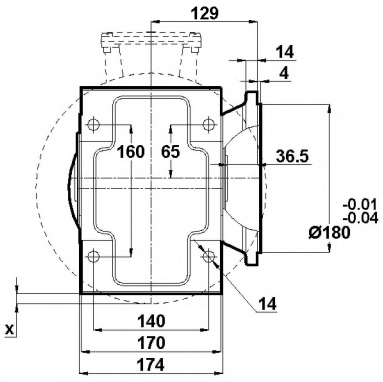


71-80-90-100-112-132
Tip / *Type* / Typ

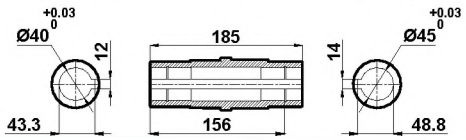
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

KR373.03





Std. **Ops.**



x: se il motore è inferiore al piano di montaggio del piede
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	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

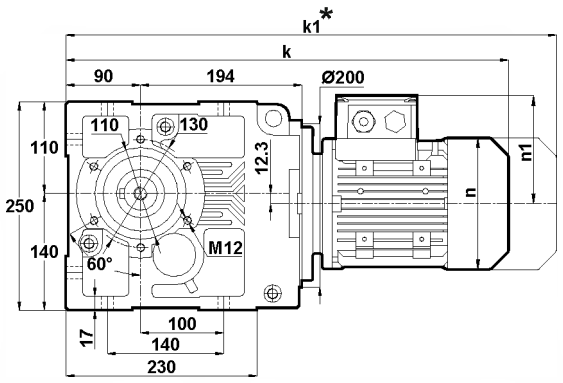
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

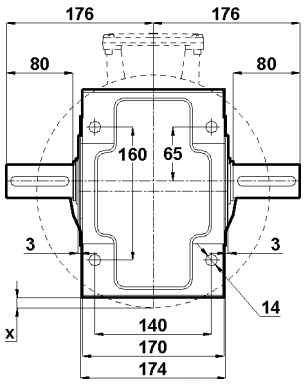


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

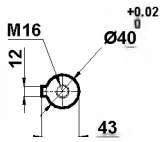
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR373.04

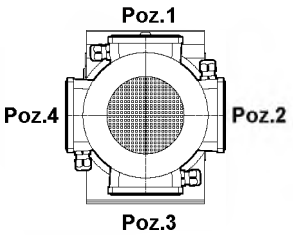




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



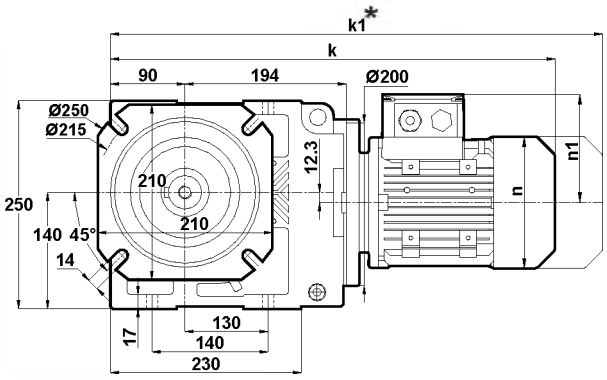
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

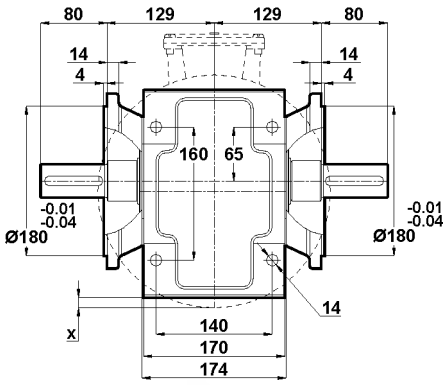


71-80-90-100-112-132
Tip / *Type* / Typ

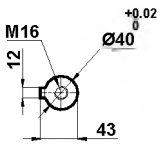
	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

KR373.05





x: se il motore è inferiore al piano di montaggio del piede
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	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
n1	112	121	132	132	147	158	179	179
x	-	-	-	-	-	-	0.8	0.8

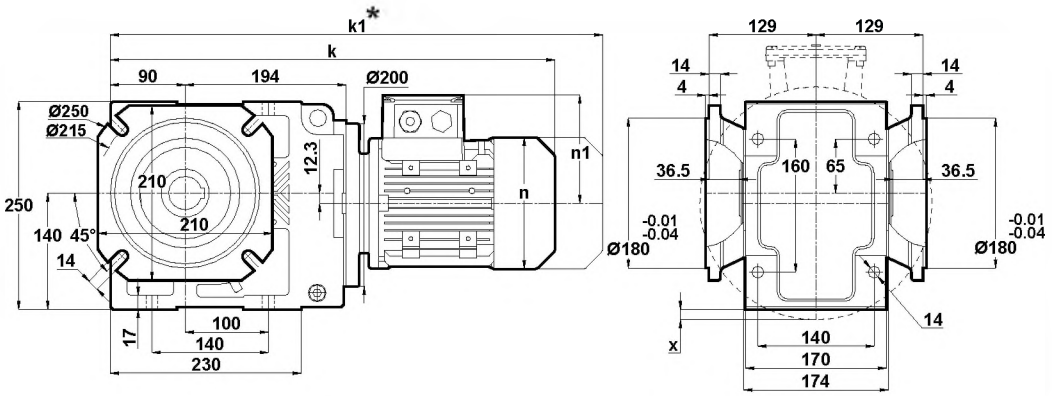
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

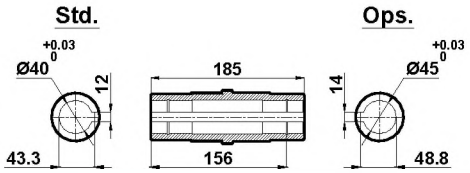


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

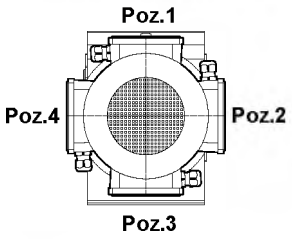
KR373.08





x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



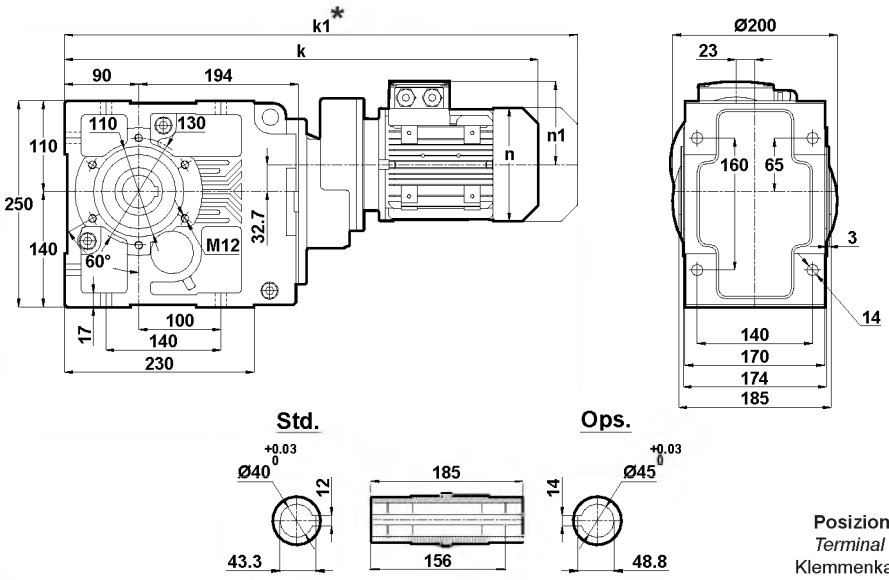
71-80-90-100-112-132
Tip / *Type* / Typ

	71	80	90S	90L	100L	112M	132S	132M
k	496	530	569	569	617	641	728	728
k1	587	755	673.5	673.5	736.5	745.5	858	858
n	137	155	176	176	193	215	257	257
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x	-	-	-	-	-	-	0.8	0.8

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
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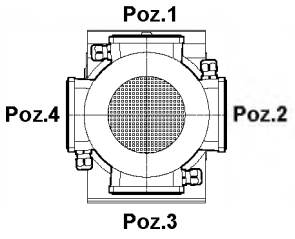
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR374.00



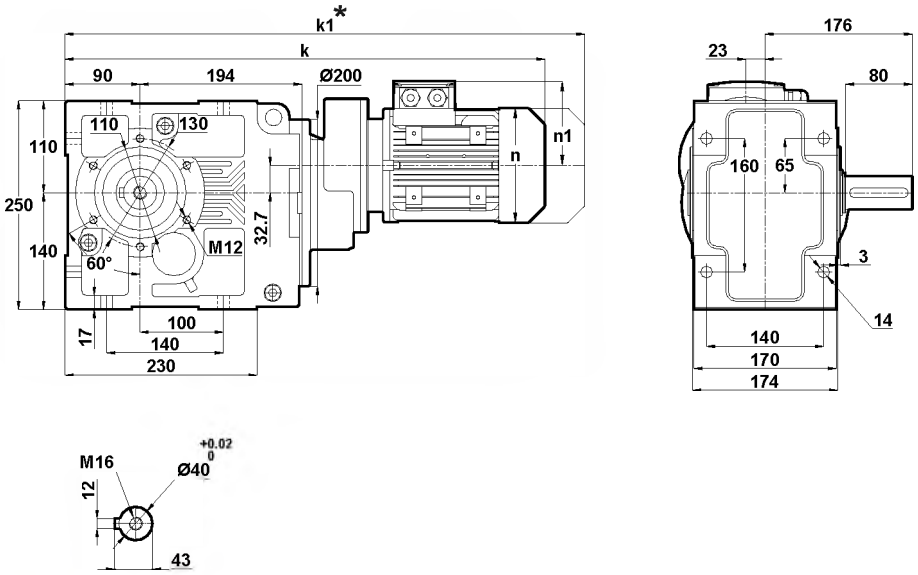
	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tip / *Type* / Typ

KR374.01



	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

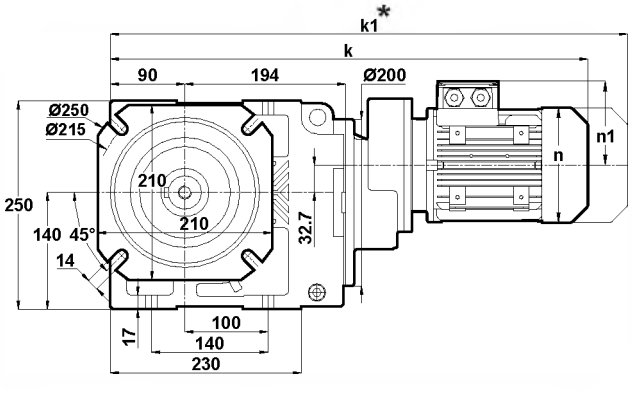
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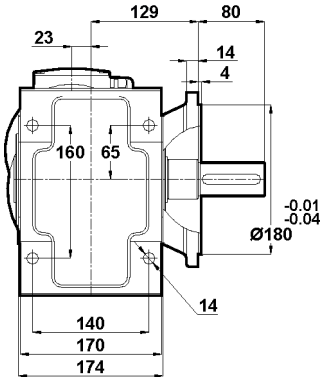


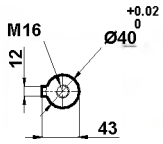
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR374.02

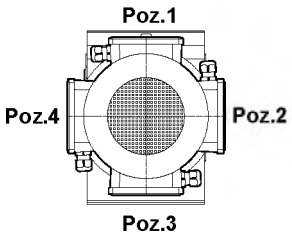






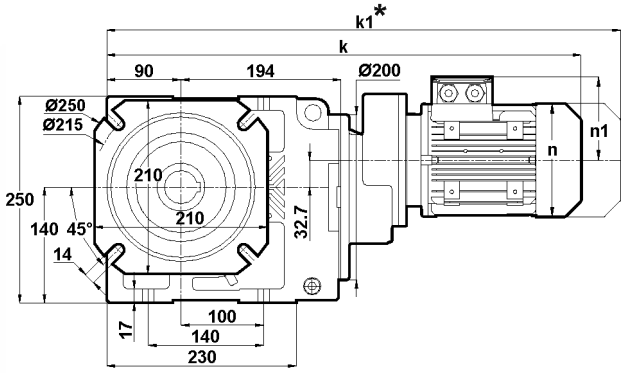
	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

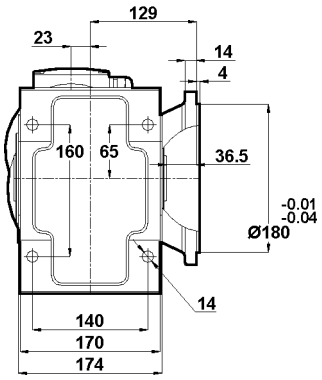
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

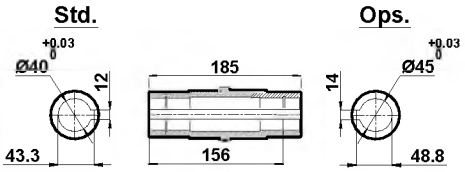


63-71-80
Tip / *Type* / Typ

KR374.03





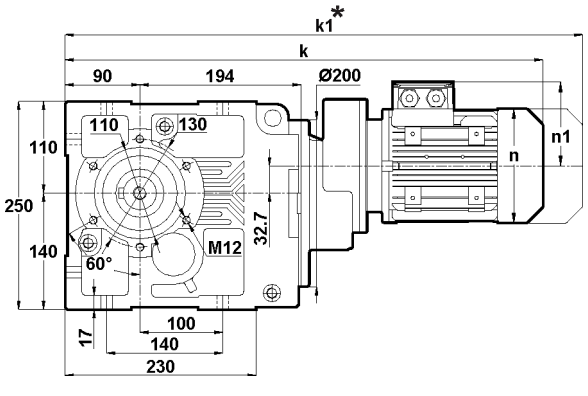


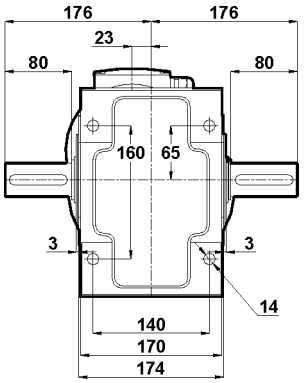
	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

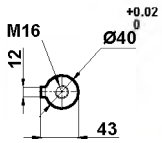
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR374.04

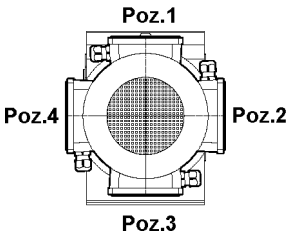






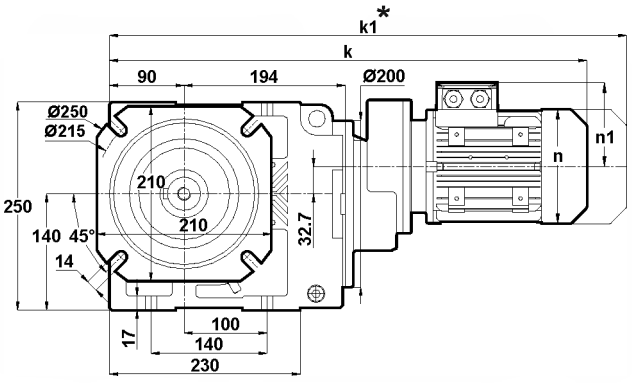
	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

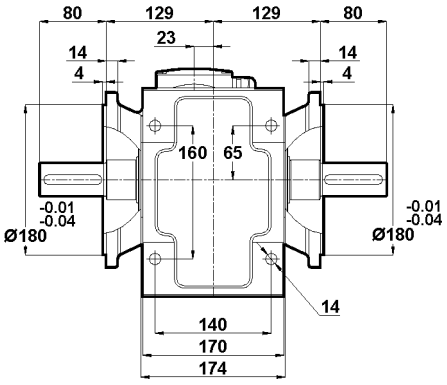
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

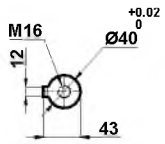


63-71-80
Tip / *Type* / Typ

KR374.05





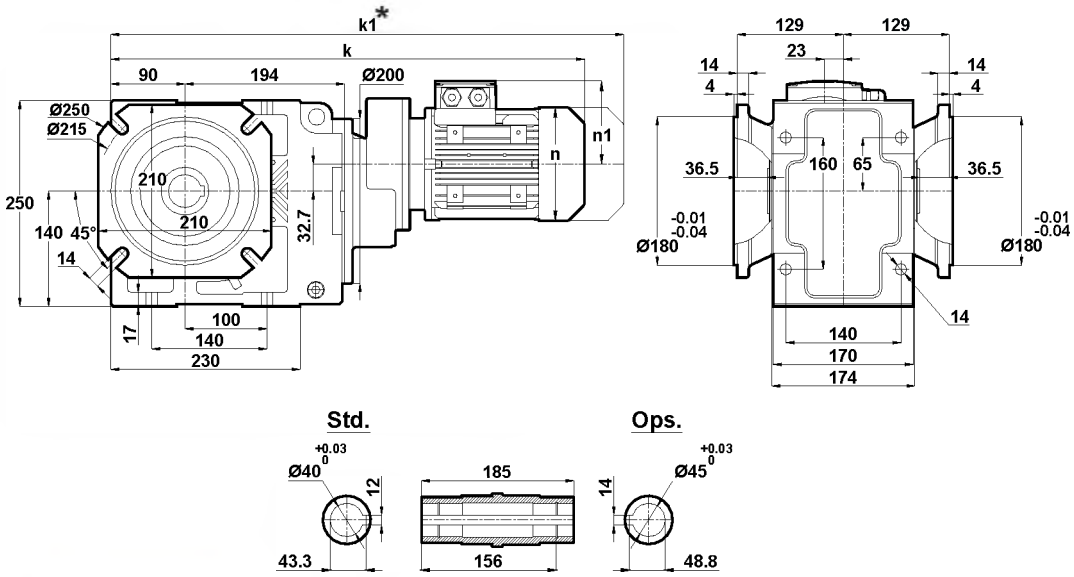


	63	71	80
k	547	566	595
k1	608	657	688
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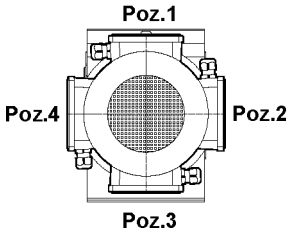
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR374.08



	63	71	80
k	547	566	595
k1	608	657	688
n	121	137	155
n1	97	112	121

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

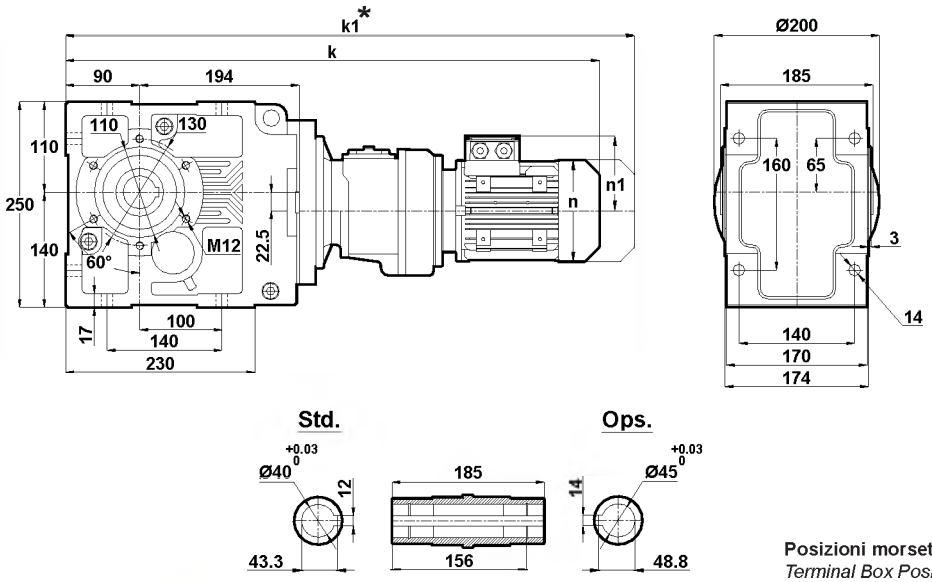


63-71-80
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

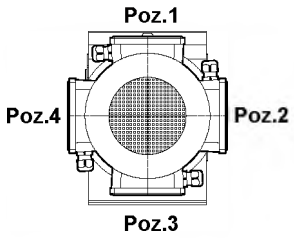
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR375.00
KR376.00



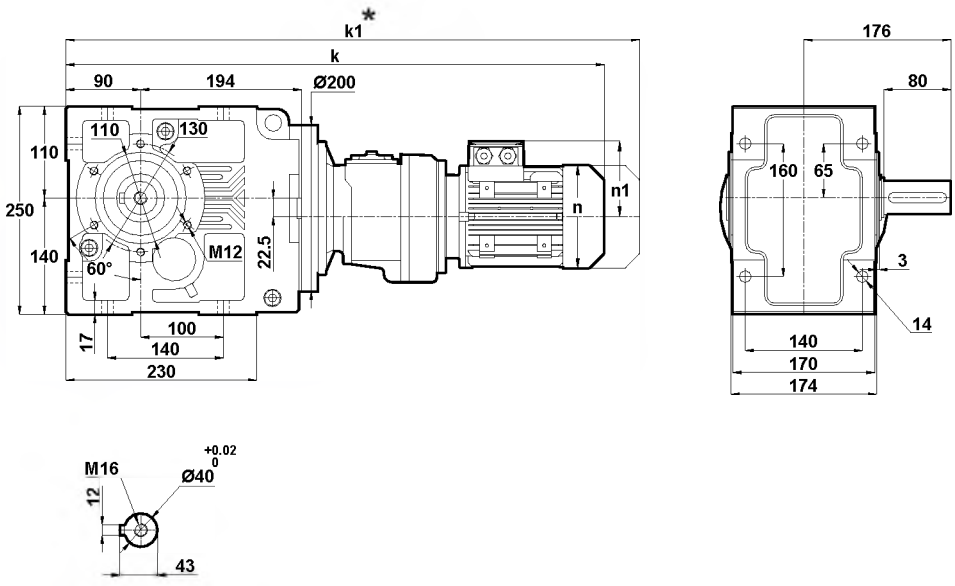
	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71
Tip / *Type* / Typ

KR375.01
KR376.01



	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

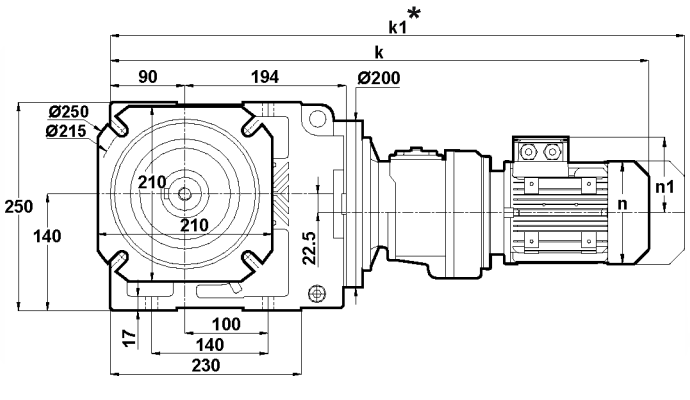
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

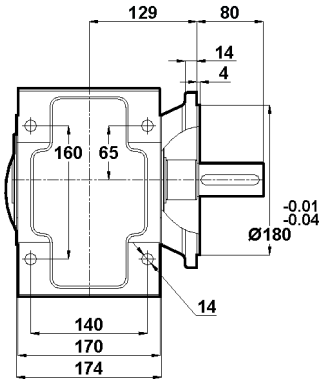


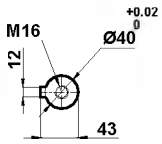
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR375.02
KR376.02

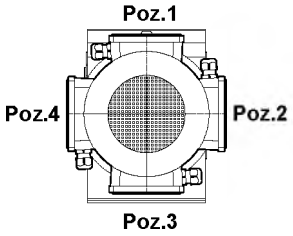






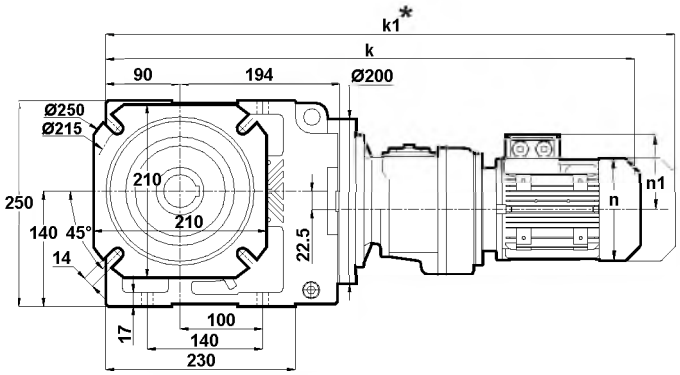
	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

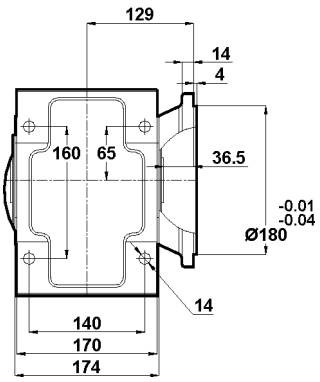
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



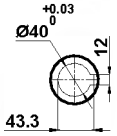
63-71
Tip / *Type* / Typ

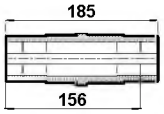
KR375.03
KR376.03



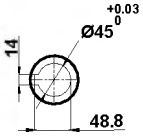


Std.





Ops.

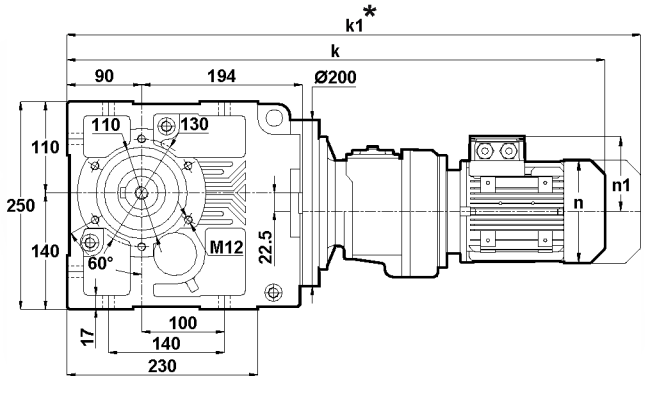


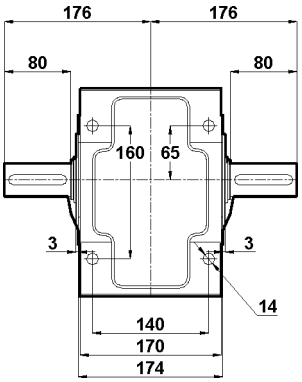
	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

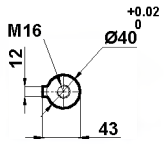
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR375.04
KR376.04

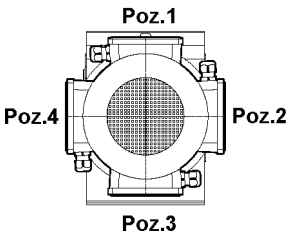






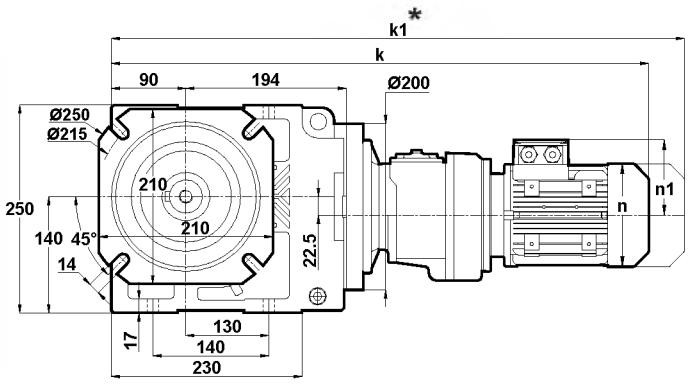
	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

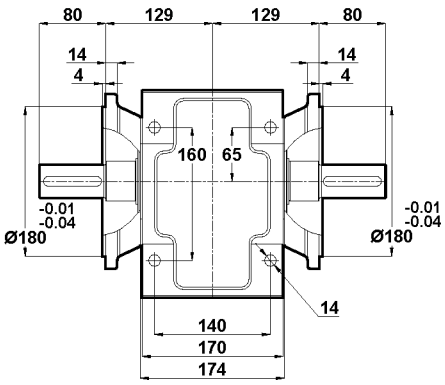
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

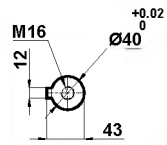


63-71
Tip / *Type* / Typ

KR375.05
KR376.05





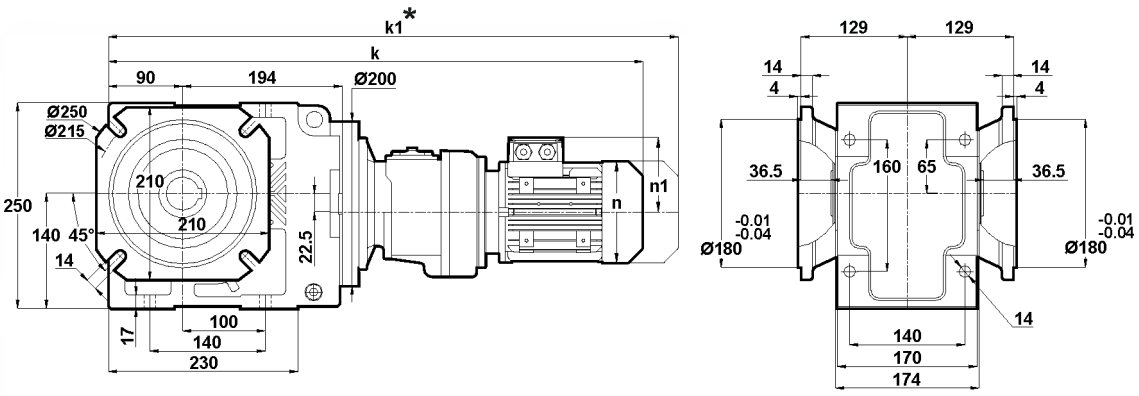


	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

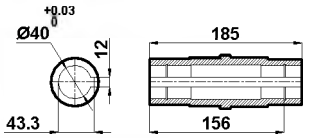
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

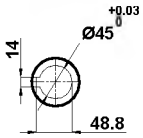
KR375.08
KR376.08



Std.

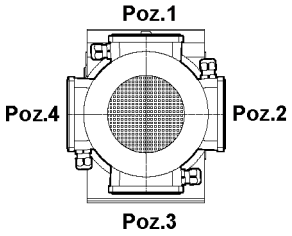


Ops.



	63	71
k	647	676
k1	708	767
n	121	137
n1	97	112

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

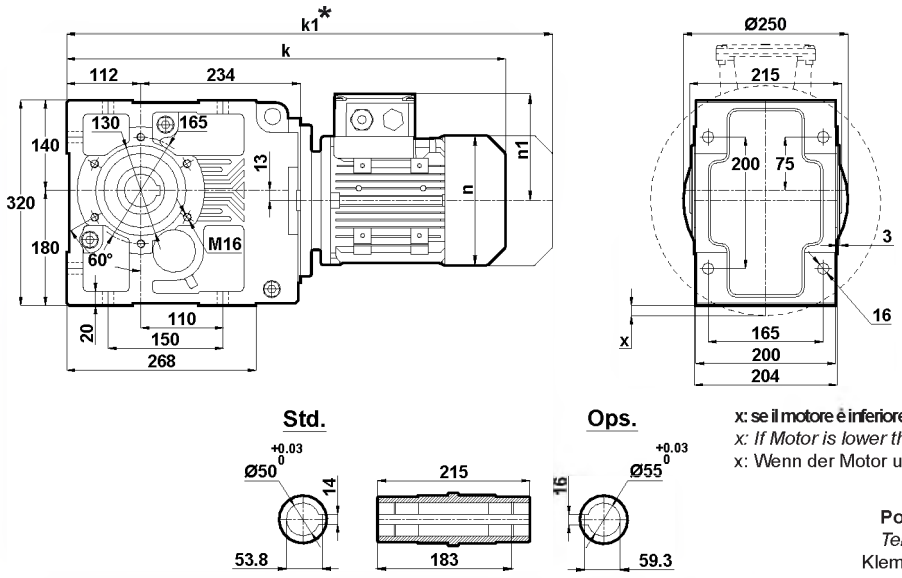


63-71
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

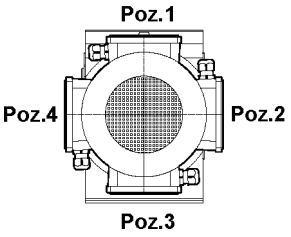
KR473.00



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

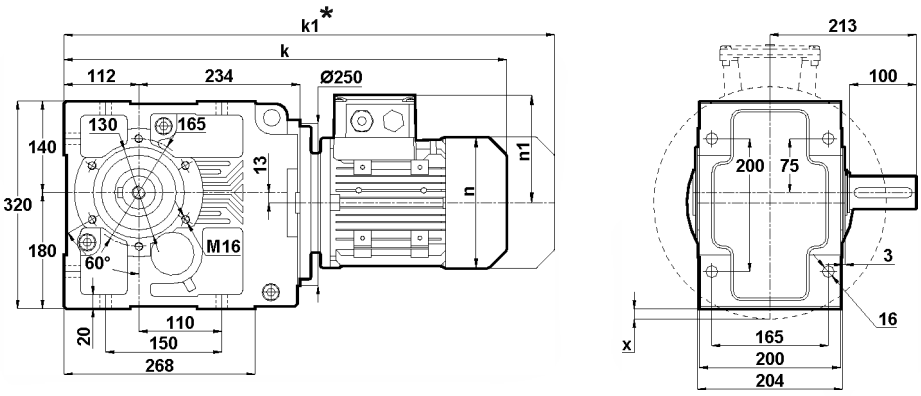
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

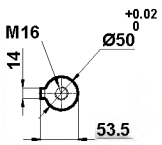
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR473.01





x: se il motore è inferiore al piano di montaggio del piede
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	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

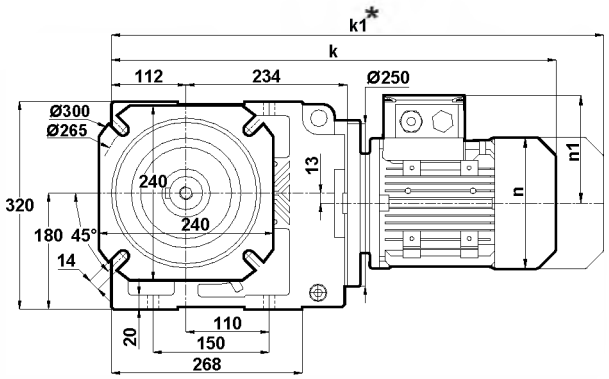
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

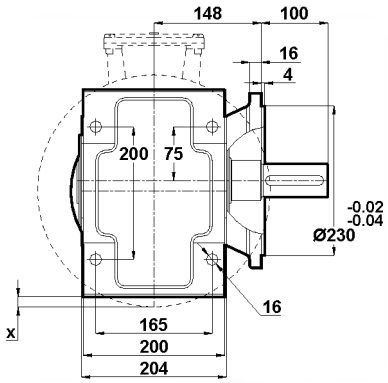


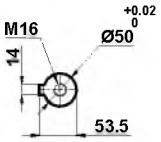
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR473.02



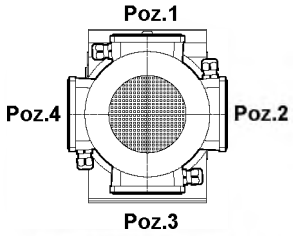




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

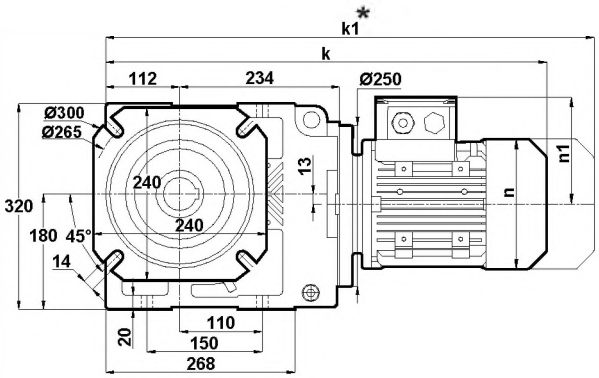
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

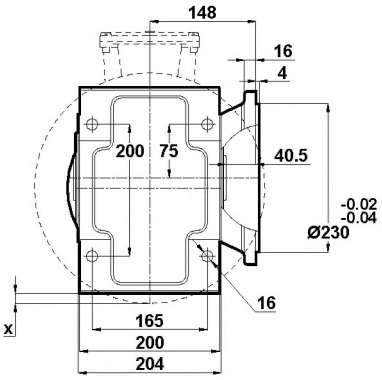
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

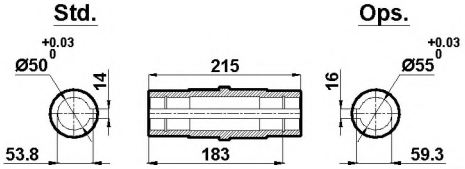


80-90-100-112-132-160-180
Tip / *Type* / Typ

KR473.03







x: se il motore è inferiore al piano di montaggio del piede
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	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

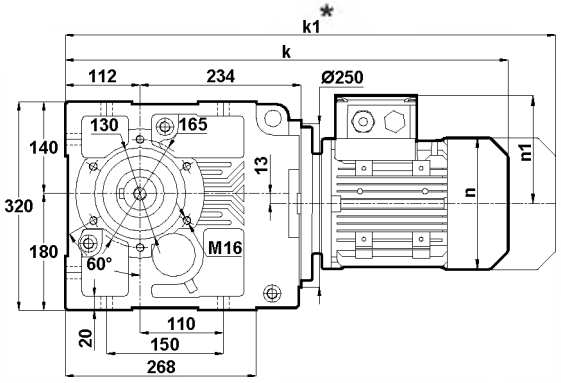
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

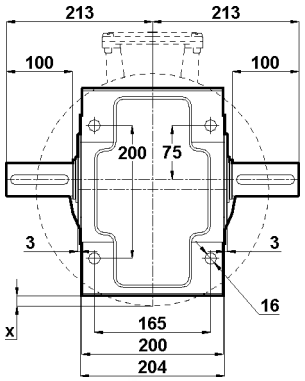


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

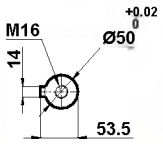
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR473.04

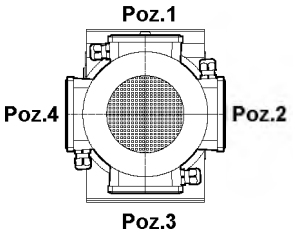




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



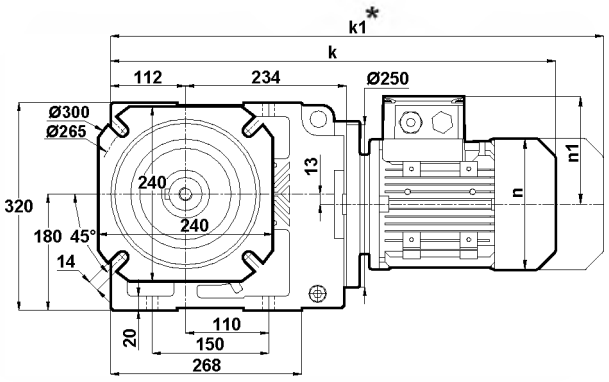
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

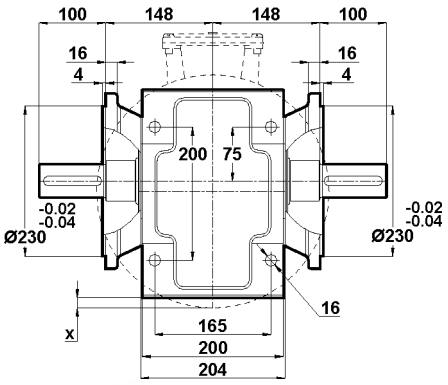


80-90-100-112-132-160-180
Tip / *Type* / Typ

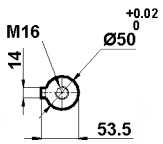
	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

KR473.05





x: se il motore è inferiore al piano di montaggio del piede
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	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

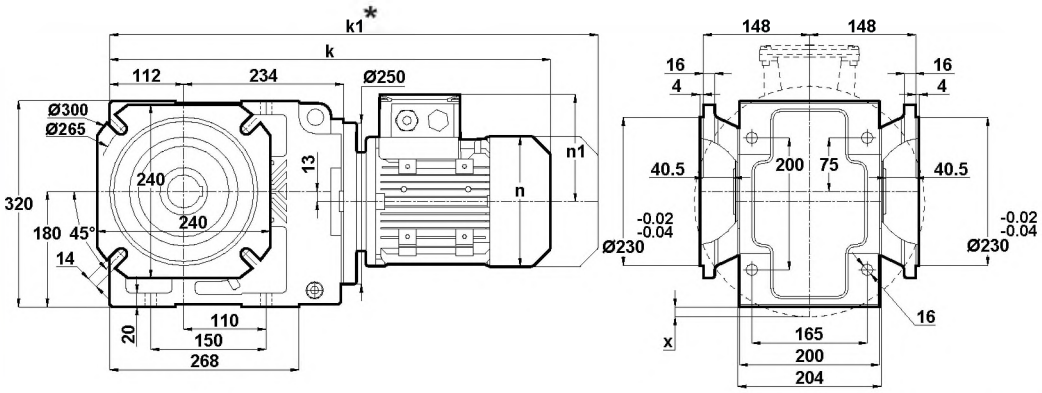
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

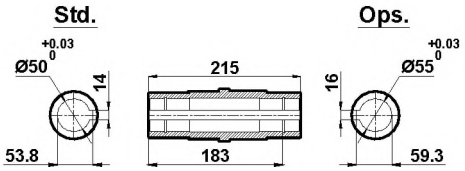


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR473.08

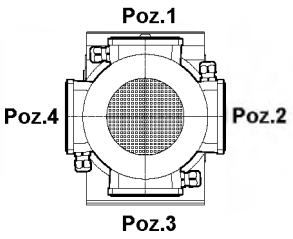




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	80	90S	90L	100L	112M	132S	132M	160M	160L	180M	180L
k	587	626	626	670	695	780	780	876	876	947	947
k1	680	730.5	730.5	789.5	799.5	910	910	1056	1056	1117.5	1117.5
n	155	176	176	193	215	257	257	315	315	347	347
n1	121	132	132	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-	-	6.5	6.5

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

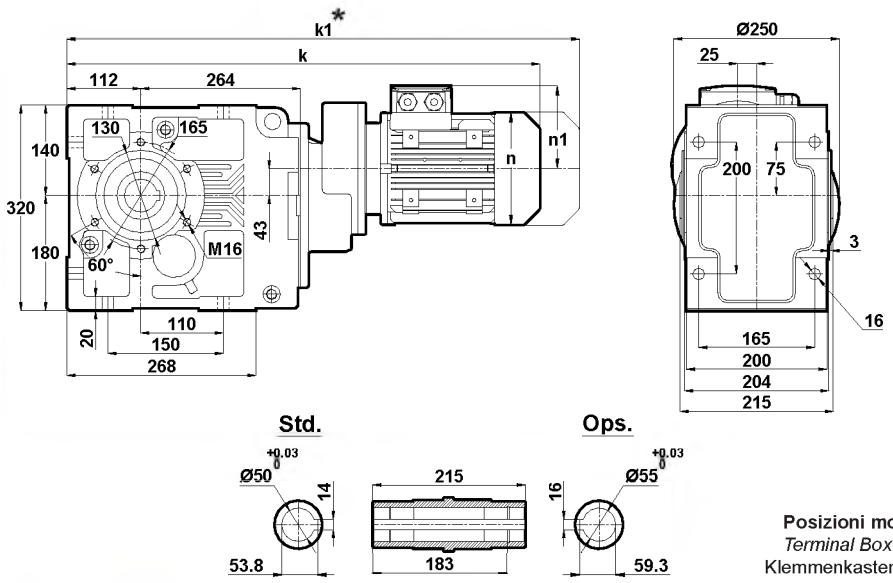


80-90-100-112-132-160-180
Tip / *Type* / Typ

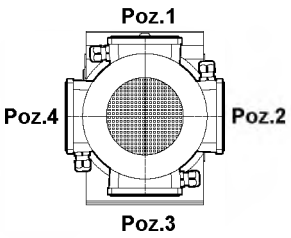
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR474.00



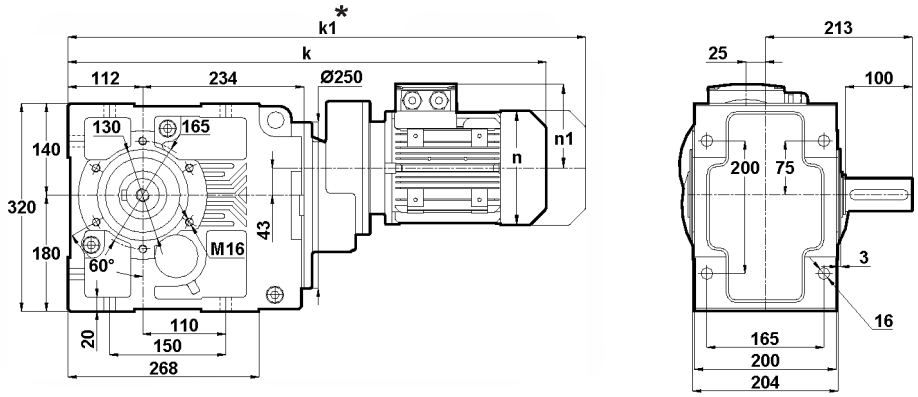
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

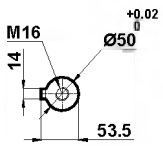


71-80
Tip / *Type* / Typ

	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

KR474.01



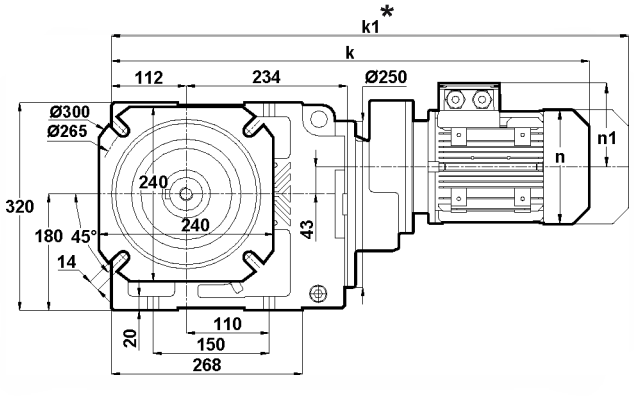


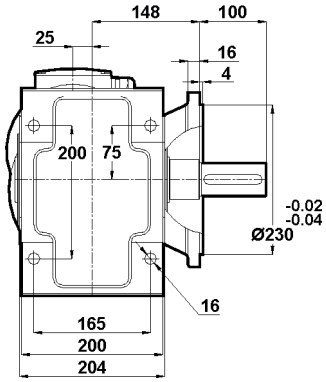
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

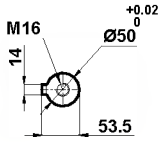
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR474.02

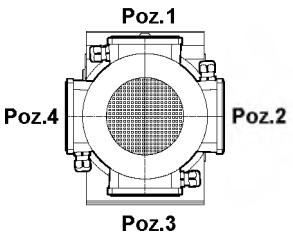






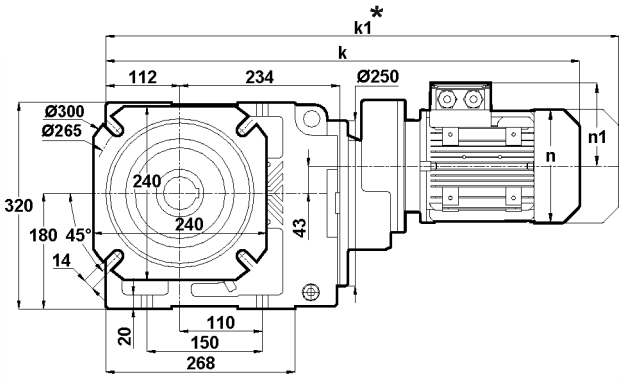
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

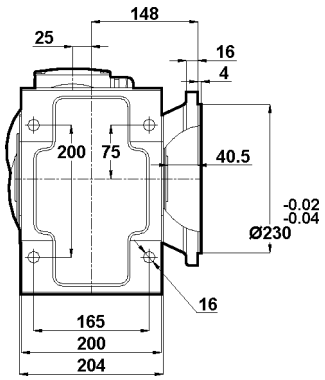
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



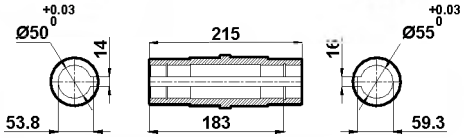
71-80
Tip / *Type* / Typ

KR474.03





Std. **Ops.**

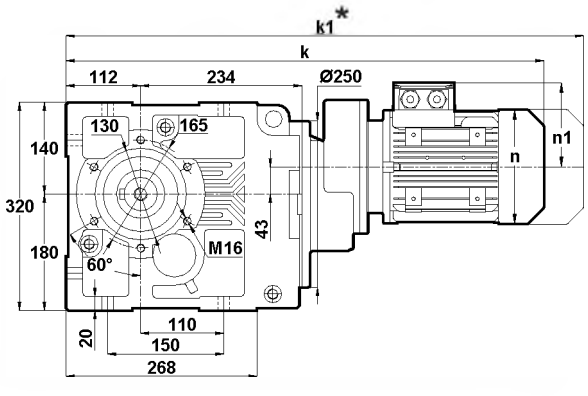


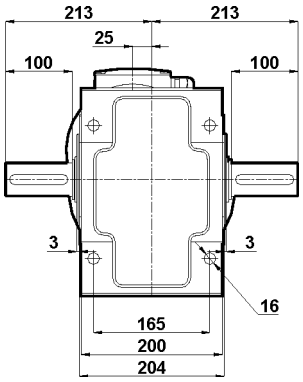
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

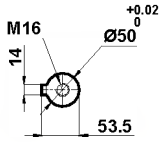
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR474.04

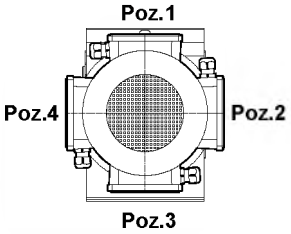






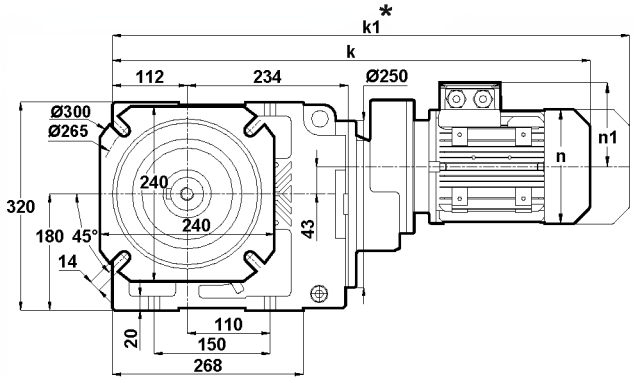
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

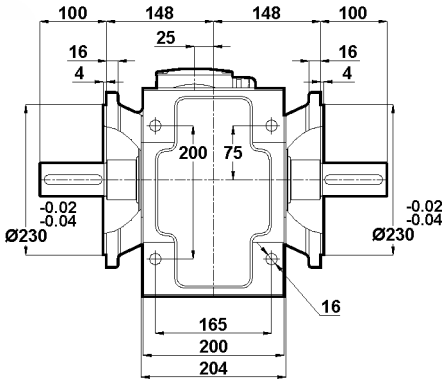
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

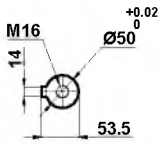


71-80
Tip / *Type* / Typ

KR474.05





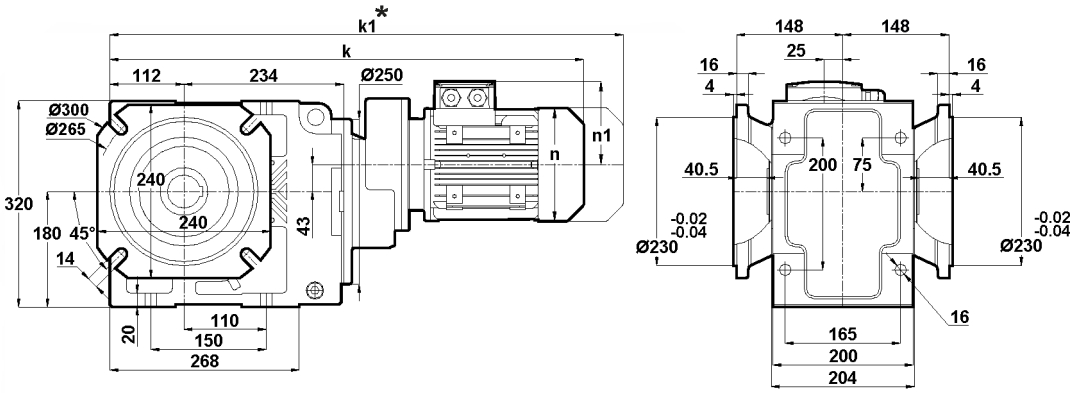


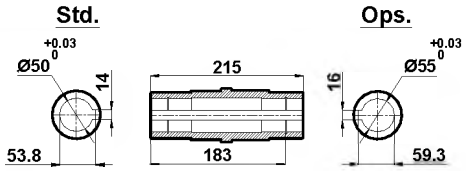
	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

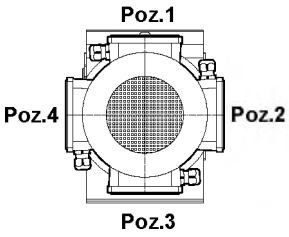
KR474.08





	71	80
k	646	680
k1	737	773
n	137	155
n1	112	121

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

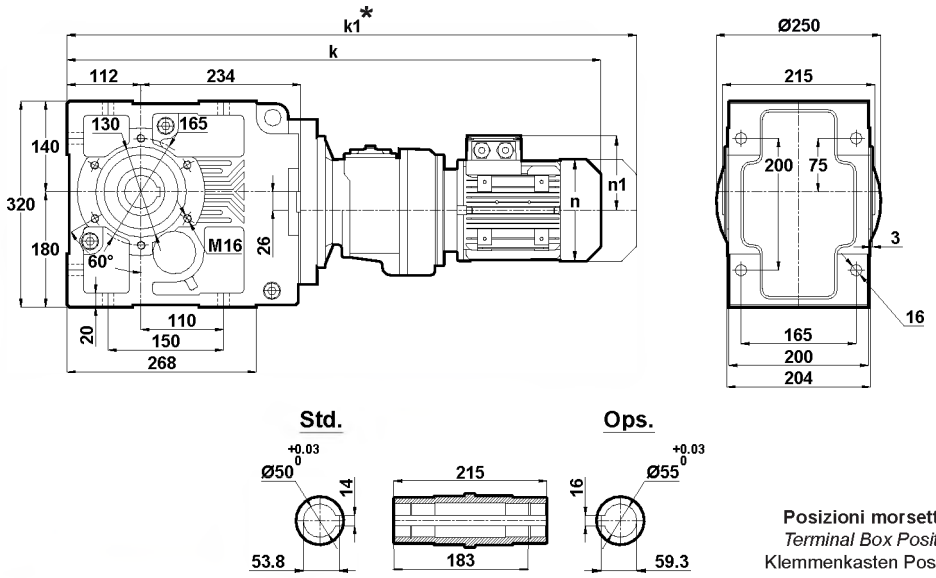


71-80
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

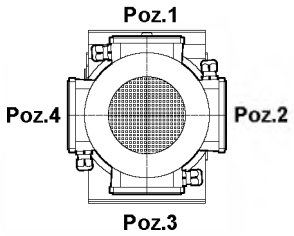
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR475.00
KR476.00



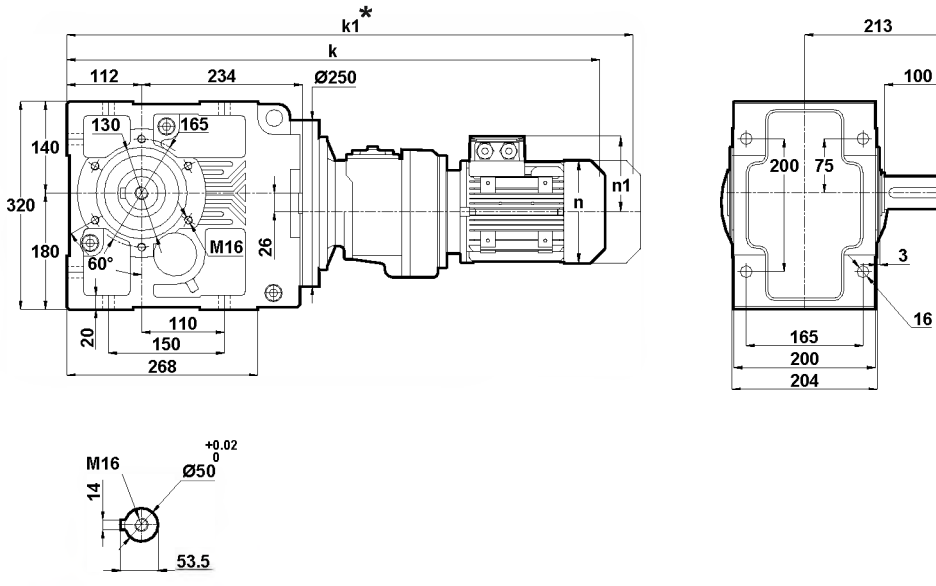
	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71
Tip / *Type* / Typ

KR475.01
KR476.01

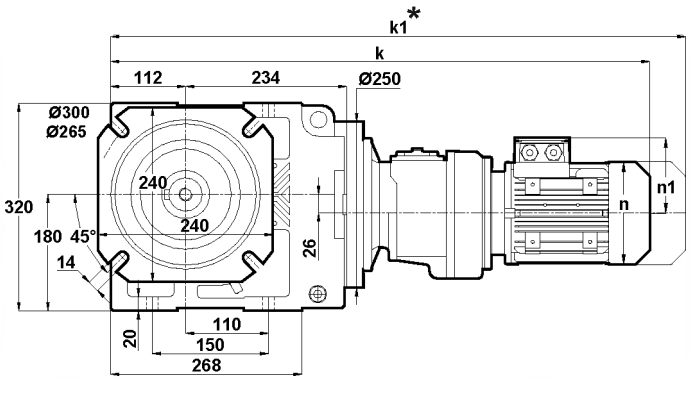


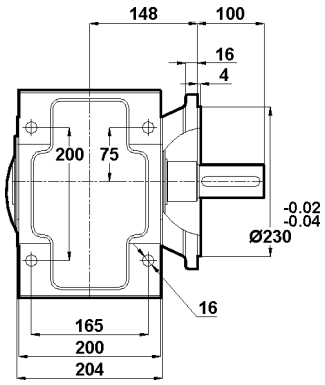
	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

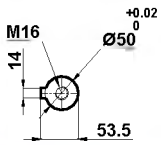
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR475.02
KR476.02

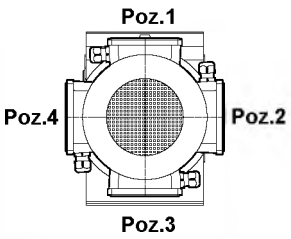






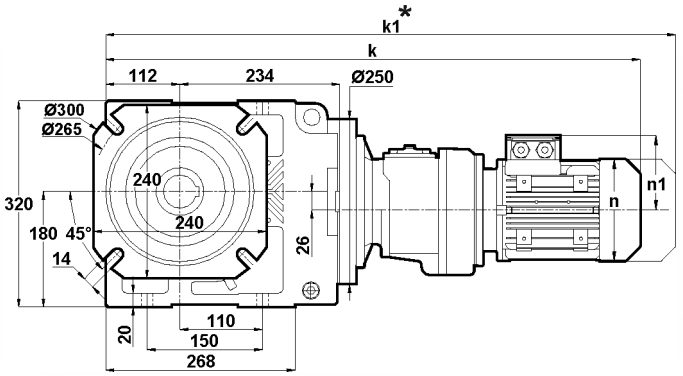
	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

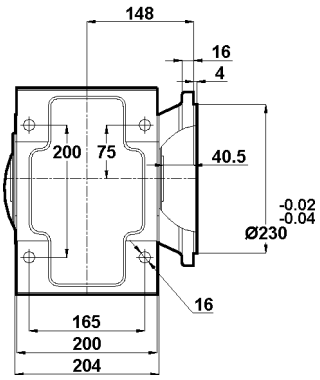
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



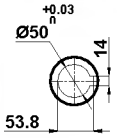
63-71
Tip / *Type* / Typ

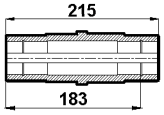
KR475.03
KR476.03



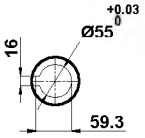


Std.





Ops.

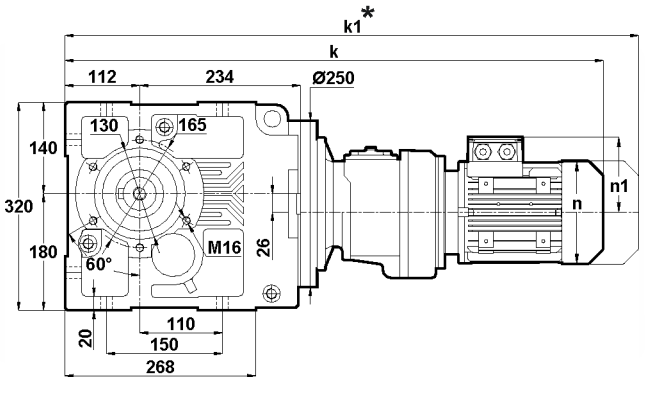


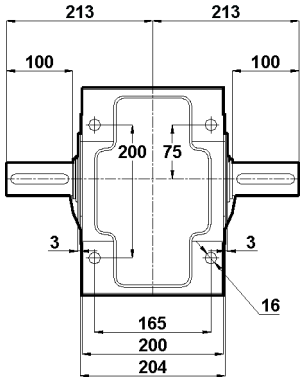
	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

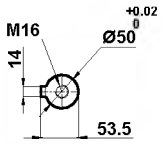
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR475.04
KR476.04

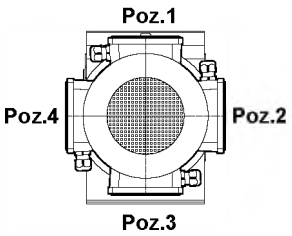






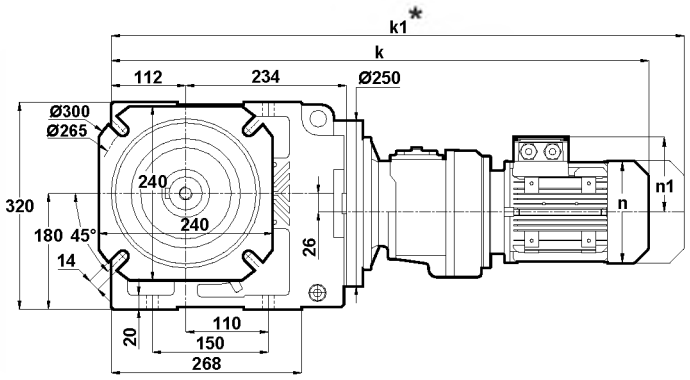
	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

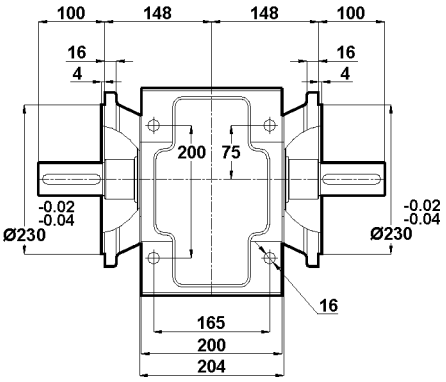
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

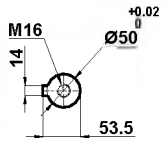


63-71
Tip / *Type* / Typ

KR475.05
KR476.05







	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

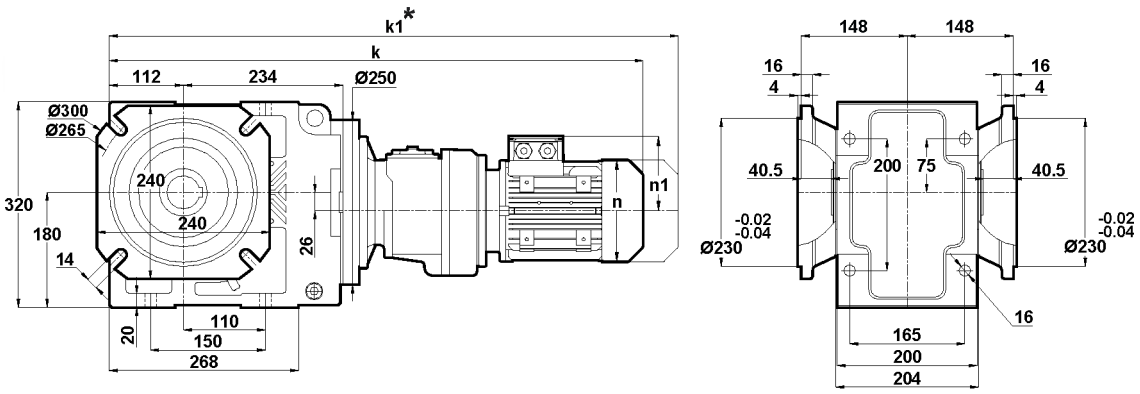
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

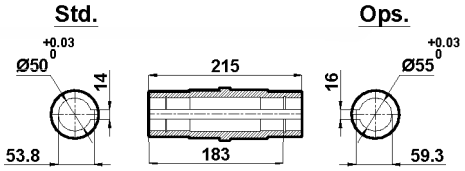


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

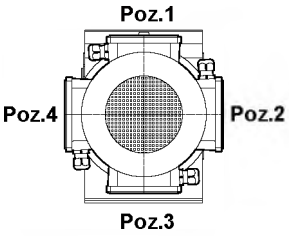
KR475.08
KR476.08





	63	71
k	748	776
k1	809	867
n	121	137
n1	97	112

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

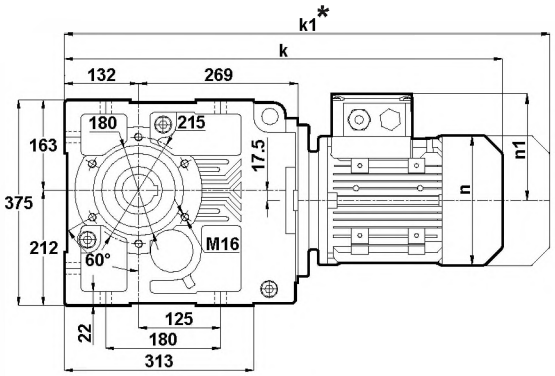


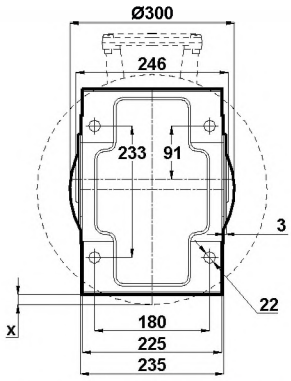
63-71
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

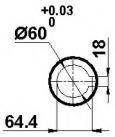
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

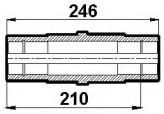
KR573.00



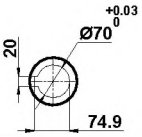


Std.





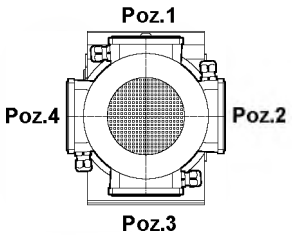
Ops.



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

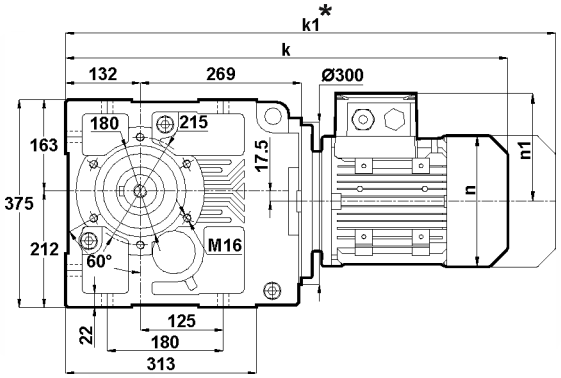
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

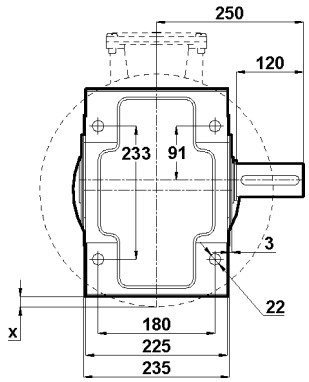
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

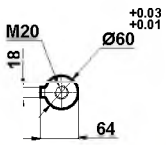


100-112-132-160-180
Tip / *Type* / Typ

KR573.01







x: se il motore è inferiore al piano di montaggio del piede
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	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

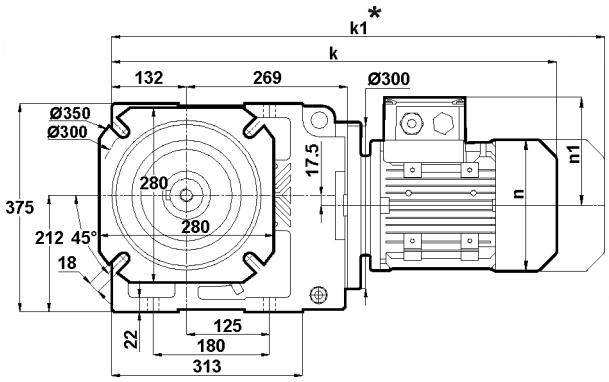
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

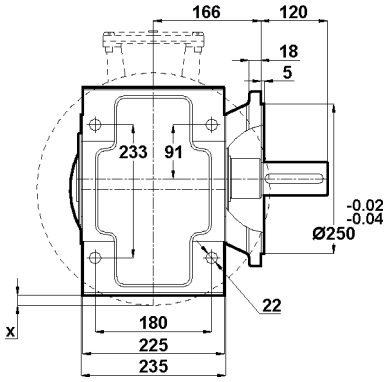


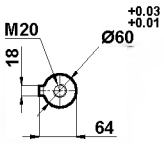
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR573.02

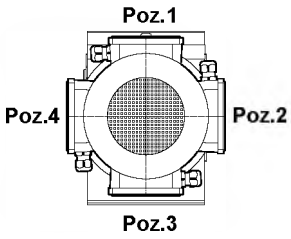






x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

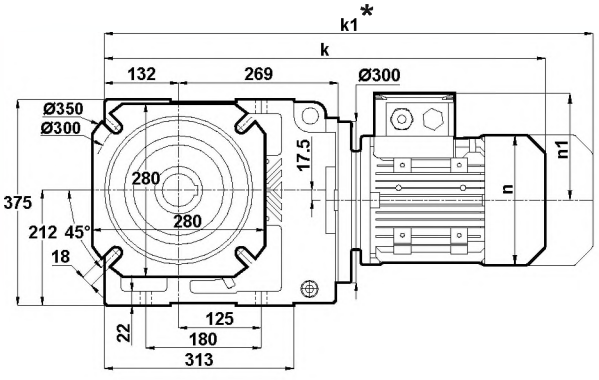
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

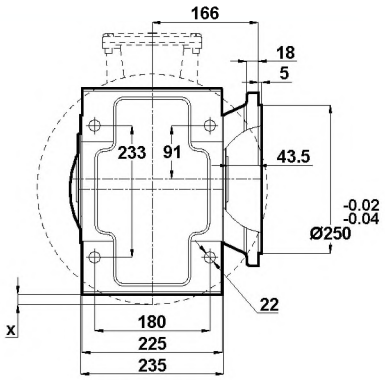


100-112-132-160-180
Tip / *Type* / Typ

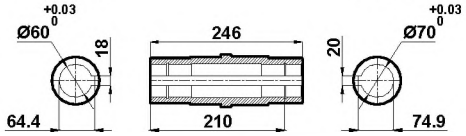
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

KR573.03





Std. **Ops.**



x: se il motore è inferiore al piano di montaggio del piede
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	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

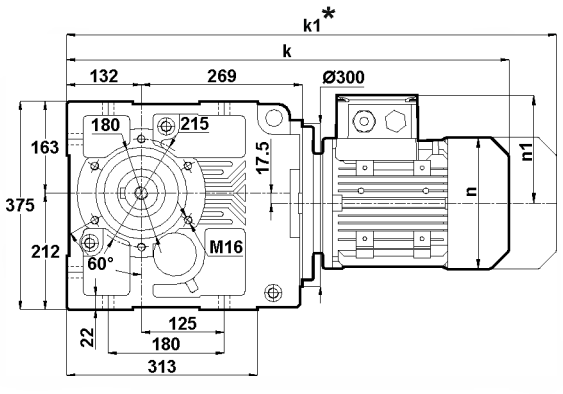
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

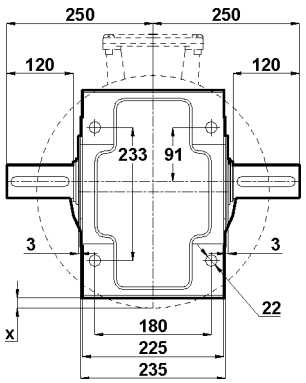


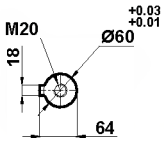
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR573.04



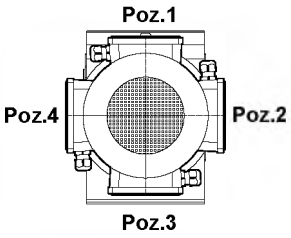




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

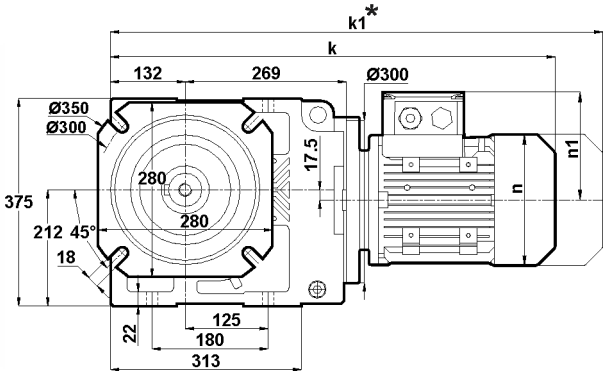
	100L	112M	132S	132M	160M	160L	180M	180L
k	719	743	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

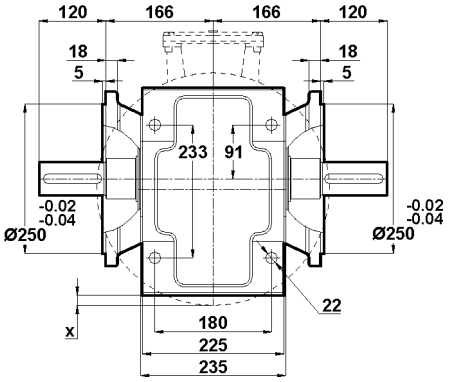
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

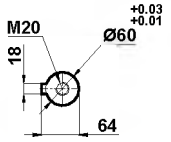


100-112-132-160-180
Tip / *Type* / Typ

KR573.05







x: se il motore è inferiore al piano di montaggio del piede
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	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

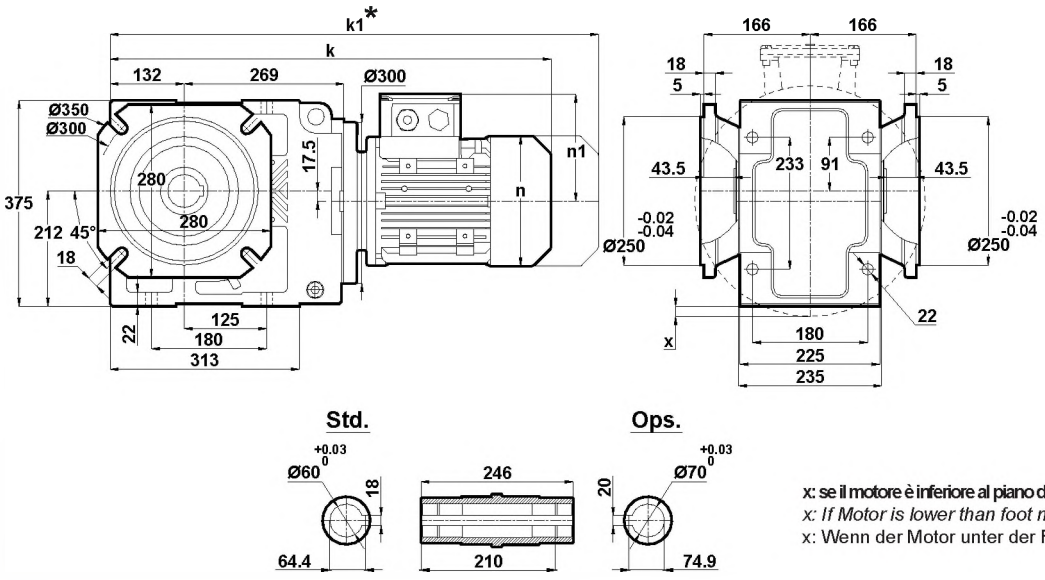
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

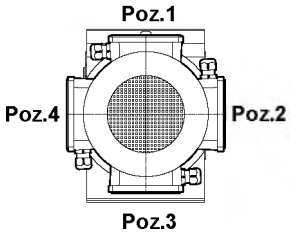
KR573.08



x: se il motore è inferiore al piano di montaggio del piede
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	830	830	926	926	997	997
k1	838.5	847.5	960	960	1106	1106	1167.5	1167.5
n	193	215	257	257	315	315	347	347
n1	147	158	179	179	219	219	234	234
x	-	-	-	-	-	-	-	-

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

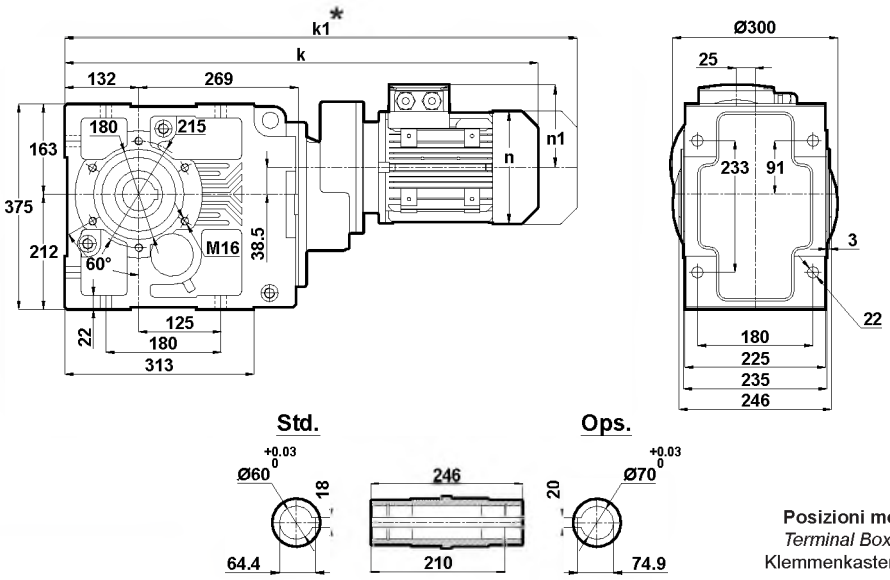


100-112-132-160-180
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

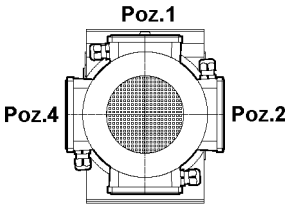
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR574.00



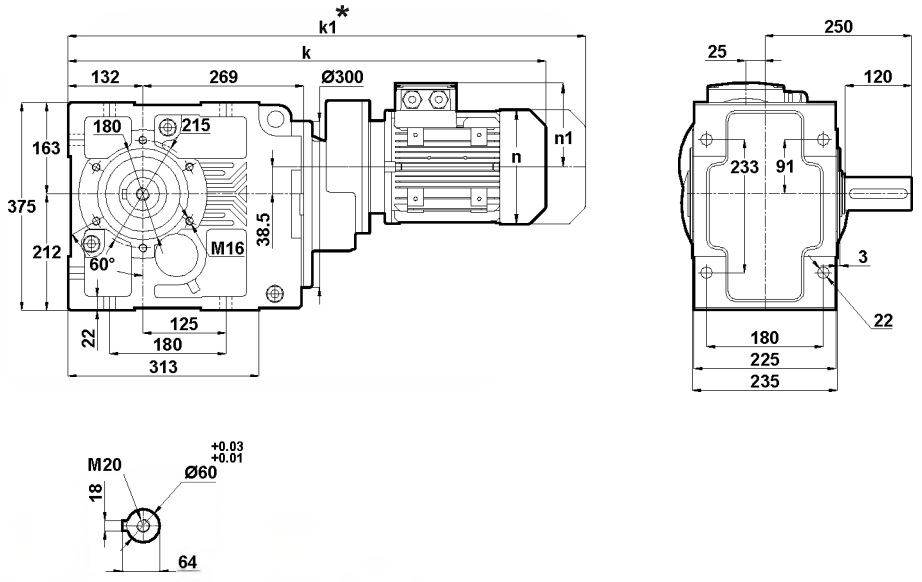
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90-100
Tip / *Type* / Typ

KR574.01

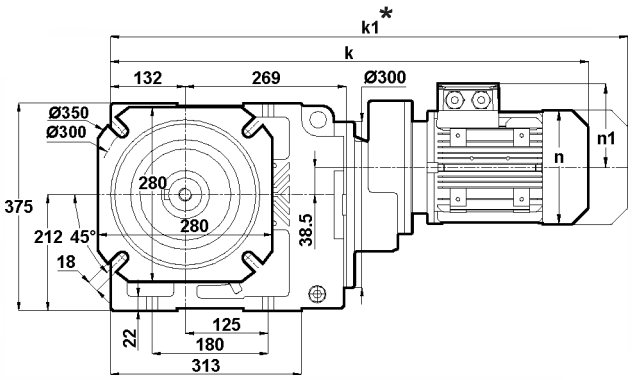


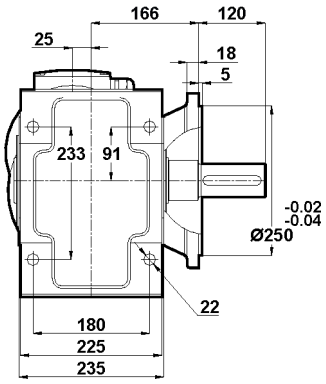
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

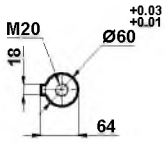
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR574.02

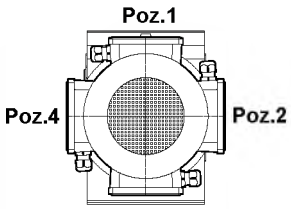






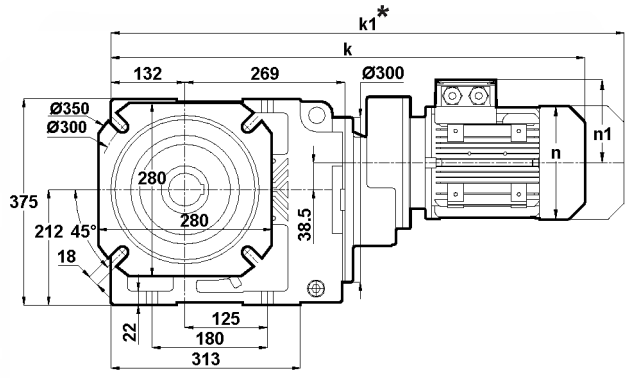
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

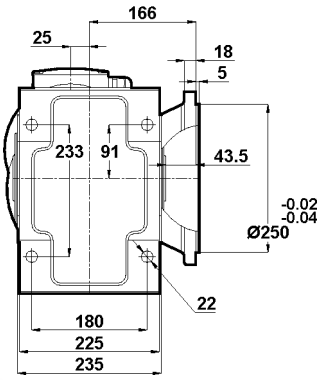
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



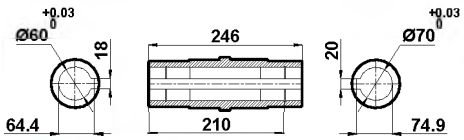
71-80-90-100
Tip / *Type* / Typ

KR574.03





Std. **Ops.**

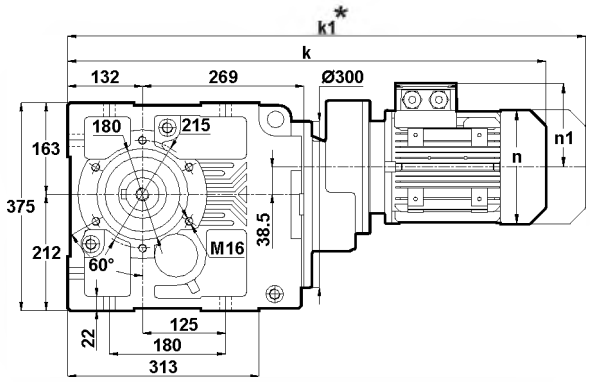


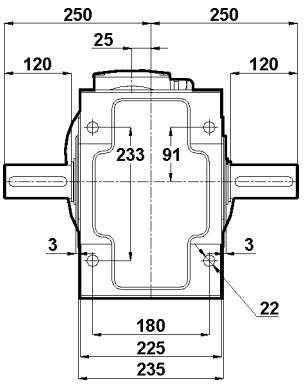
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

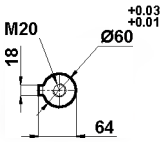
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR574.04

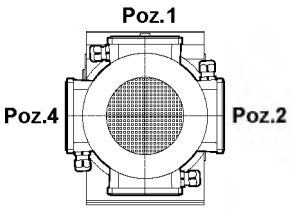






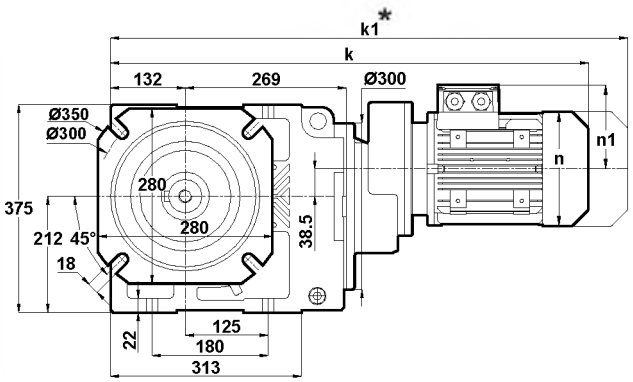
	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

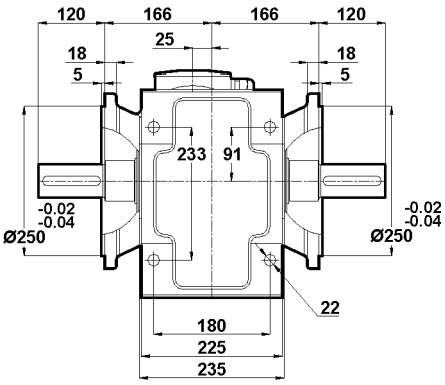
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

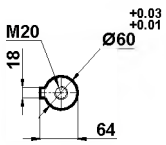


71-80-90-100
Tip / *Type* / Typ

KR574.05





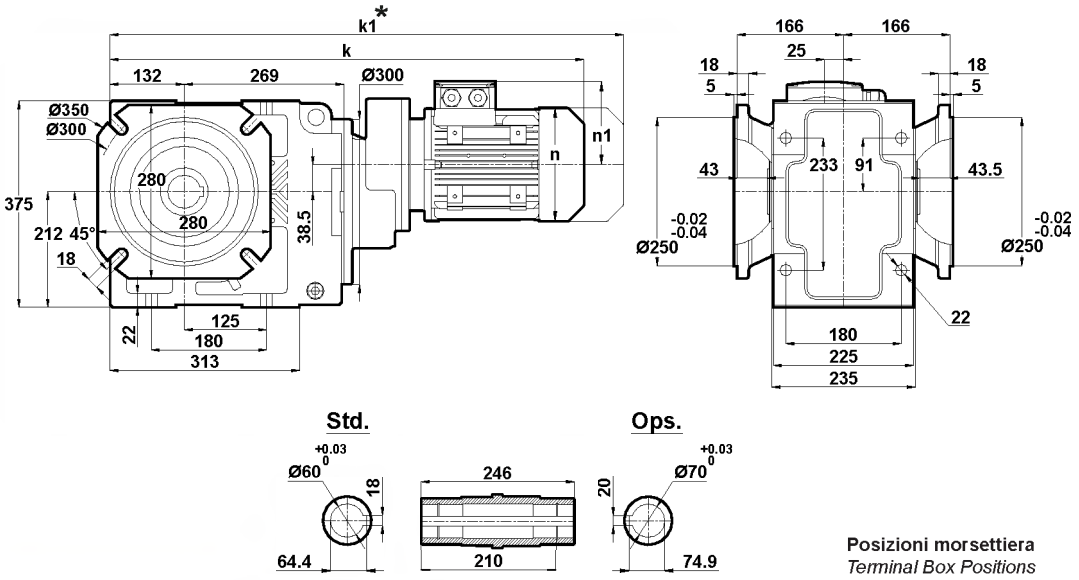


	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

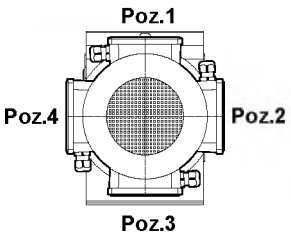
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR574.08



	71	80	90S	90L	100L
k	699	733	772	772	820
k1	790	826	876.5	876.5	939.5
n	137	155	176	176	193
n1	112	121	132	132	147

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

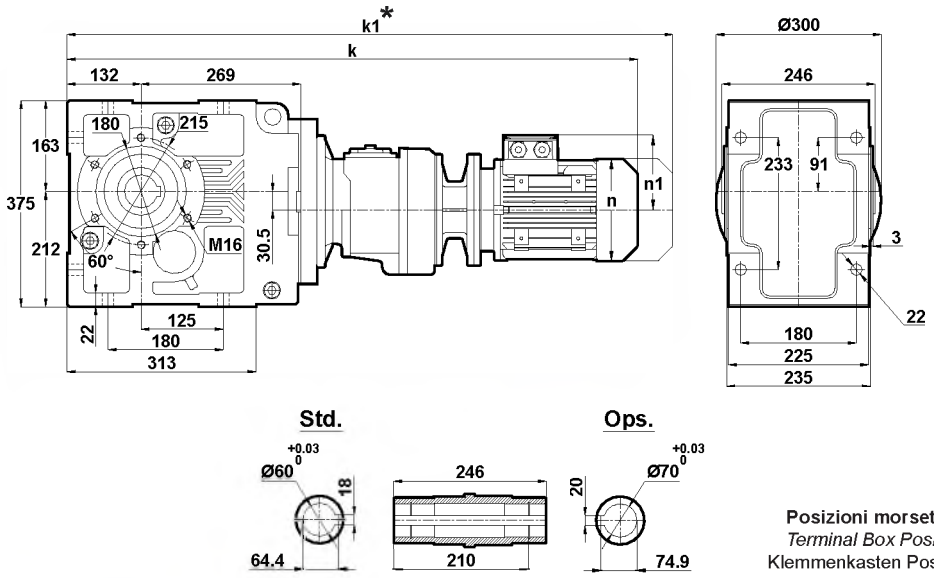


71-80-90-100
Tip / *Type* / Typ

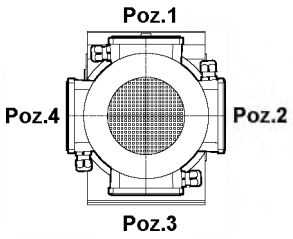
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR575.00
KR576.00



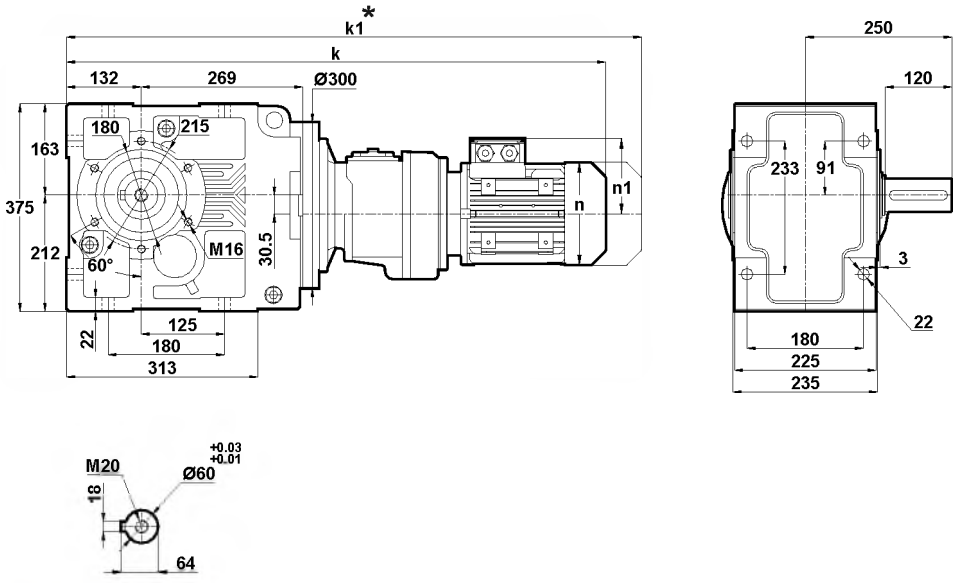
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tip / *Type* / Typ

	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

KR575.01
KR576.01

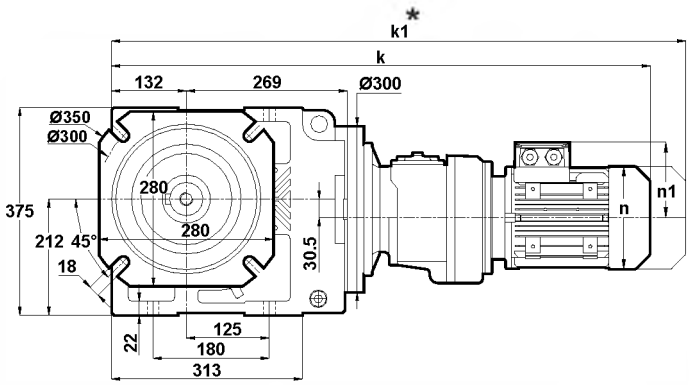


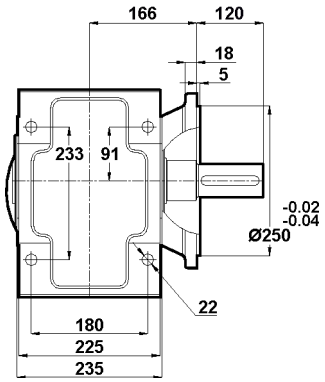
	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

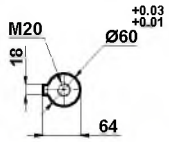
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR575.02
KR576.02

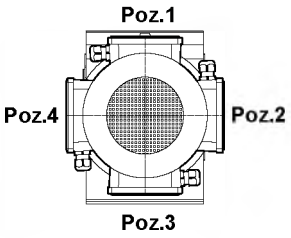






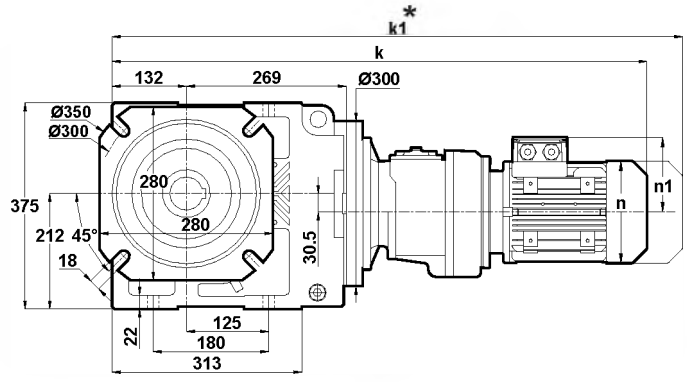
	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

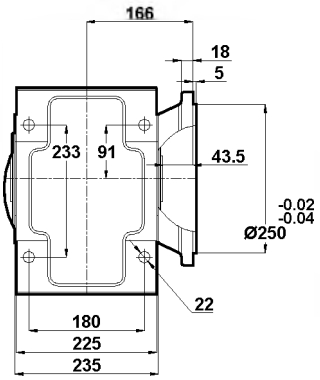
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



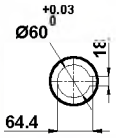
63-71-80
Tip / *Type* / Typ

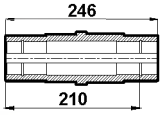
KR575.03
KR576.03



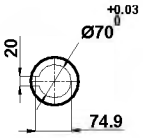


Std.





Ops.

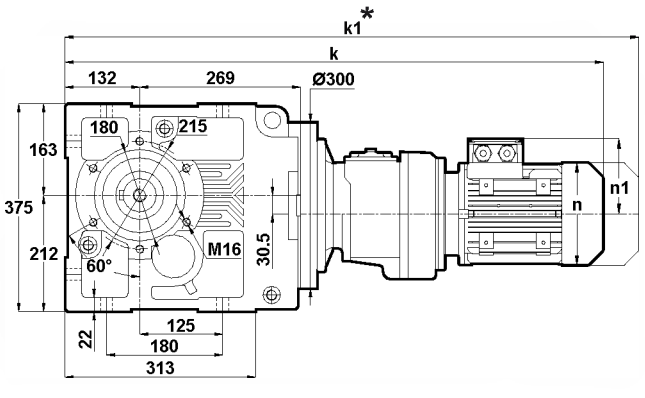


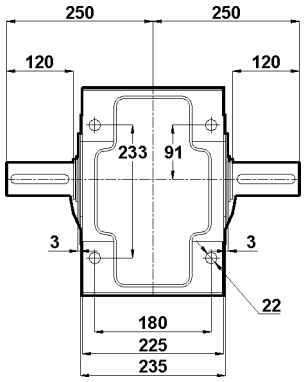
	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

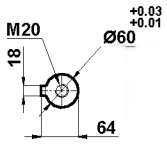
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR575.04
KR576.04

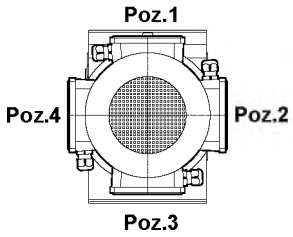






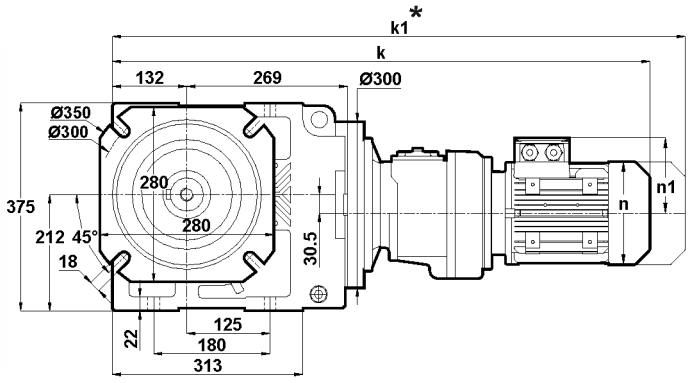
	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

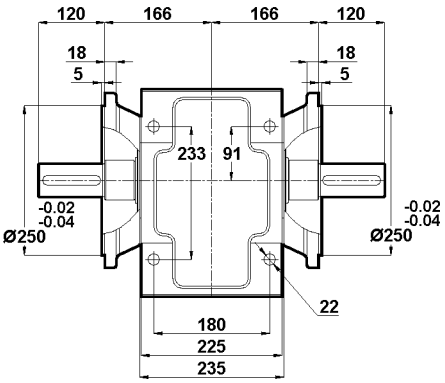
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

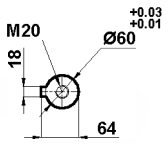


63-71-80
Tip / *Type* / Typ

KR575.05
KR576.05







	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

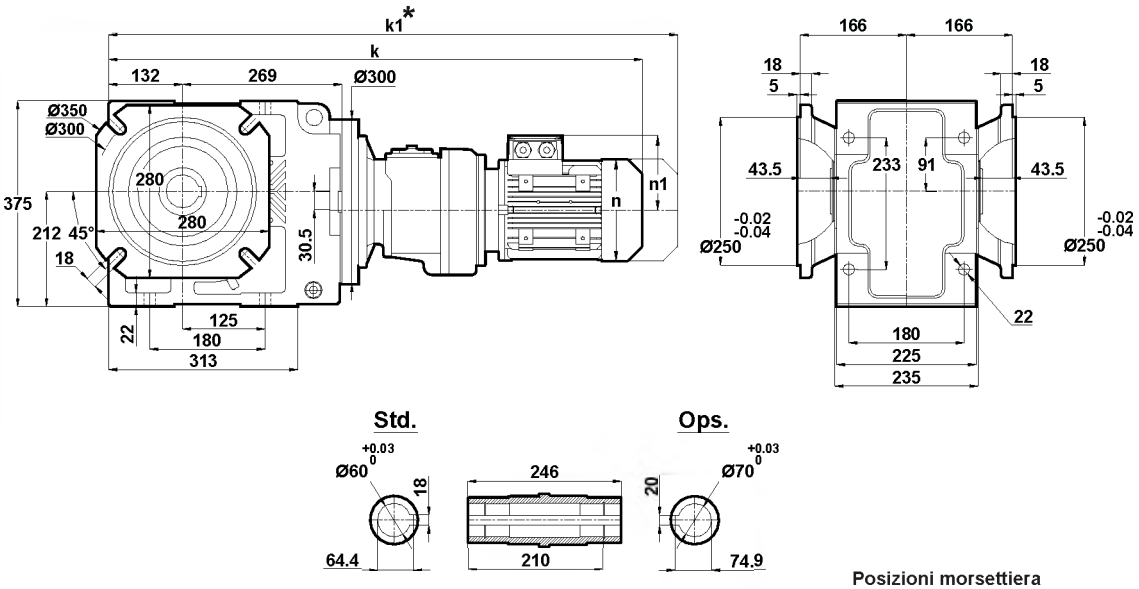
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

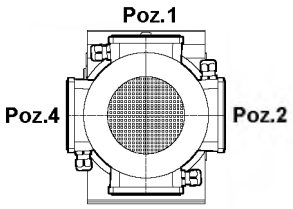
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR575.08
KR576.08



	63	71	80
k	803	831	865
k1	864	922	958
n	121	137	155
n1	97	112	121

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

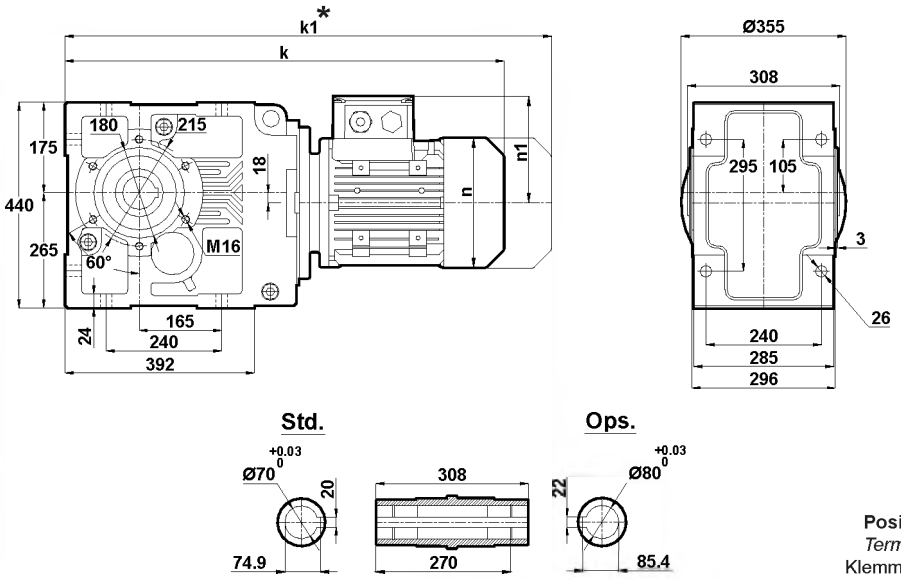


63-71-80
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

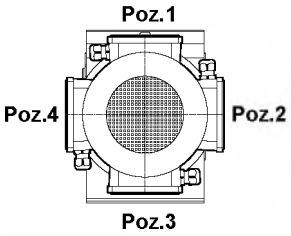
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR673.00



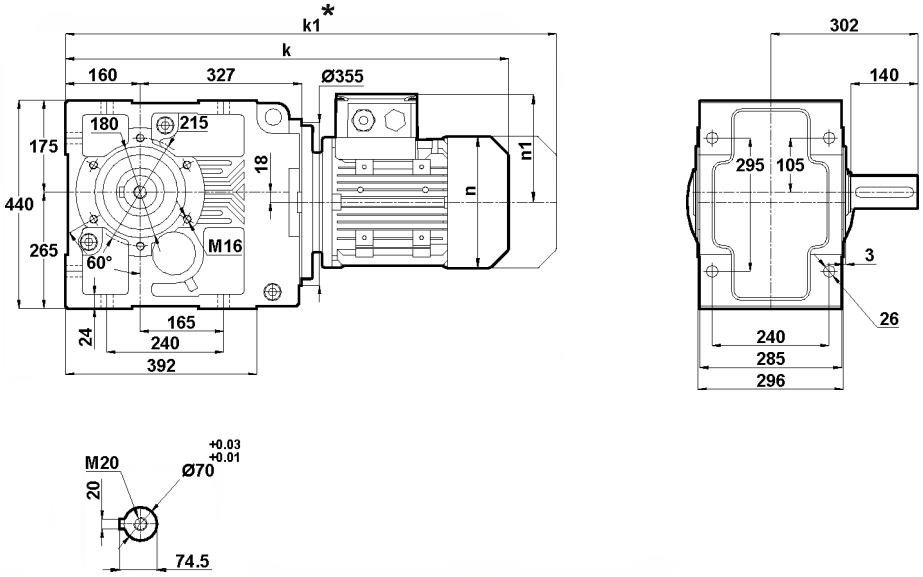
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



100-112-132-160-180-200-225
Tip / *Type* / Typ

KR673.01



	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

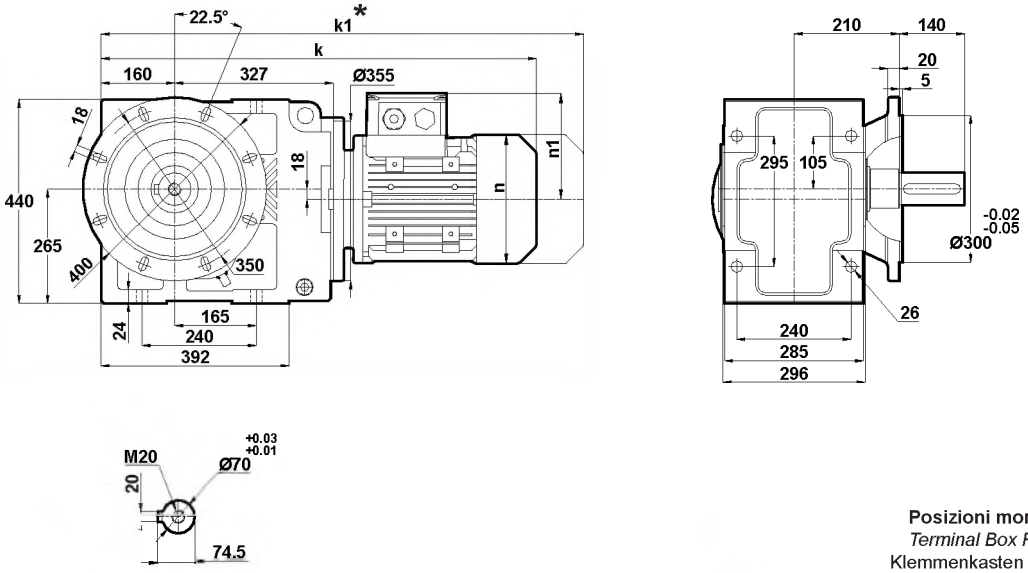
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

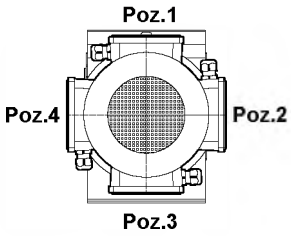
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR673.02



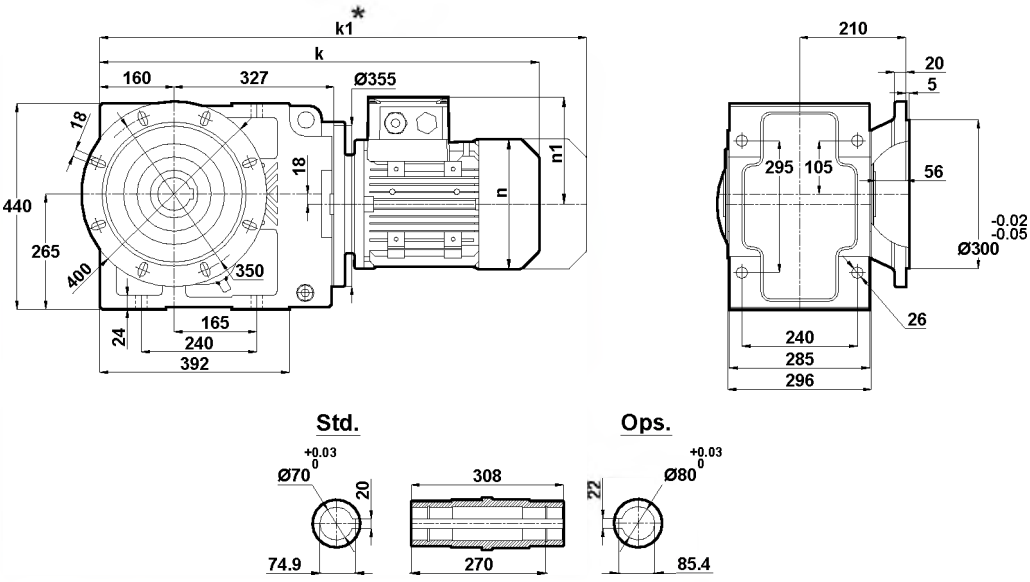
	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



100-112-132-160-180-200-225
Tip / *Type* / Typ

KR673.03

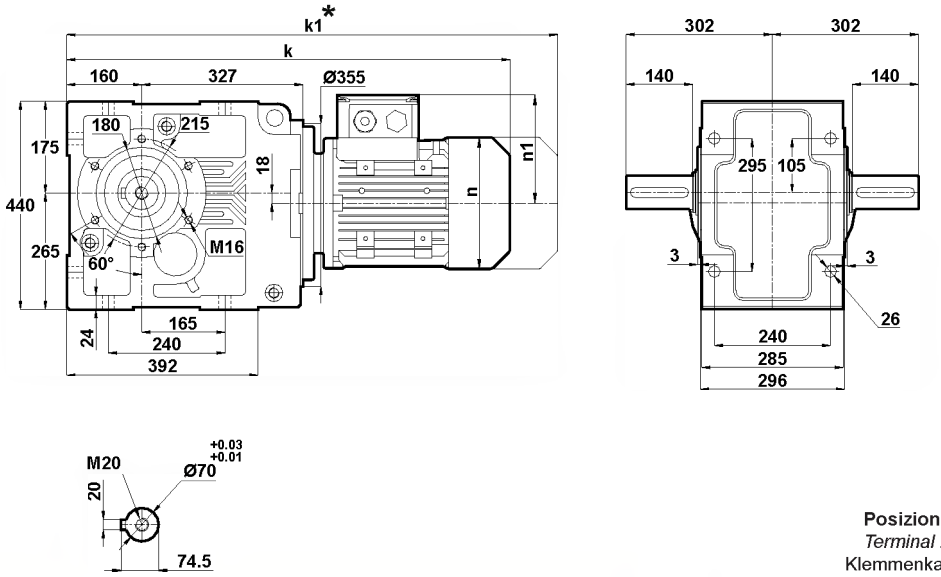


	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

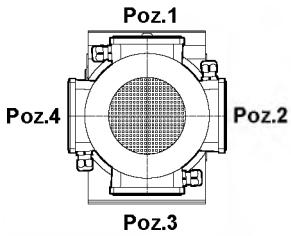
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR673.04



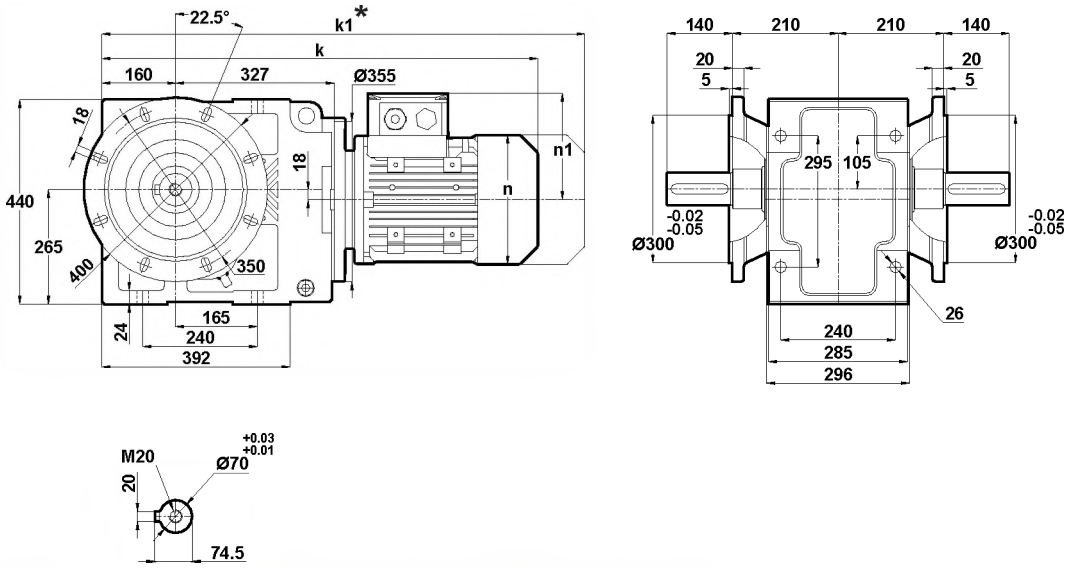
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



100-112-132-160-180-200-225
Tip / *Type* / Typ

	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

KR673.05

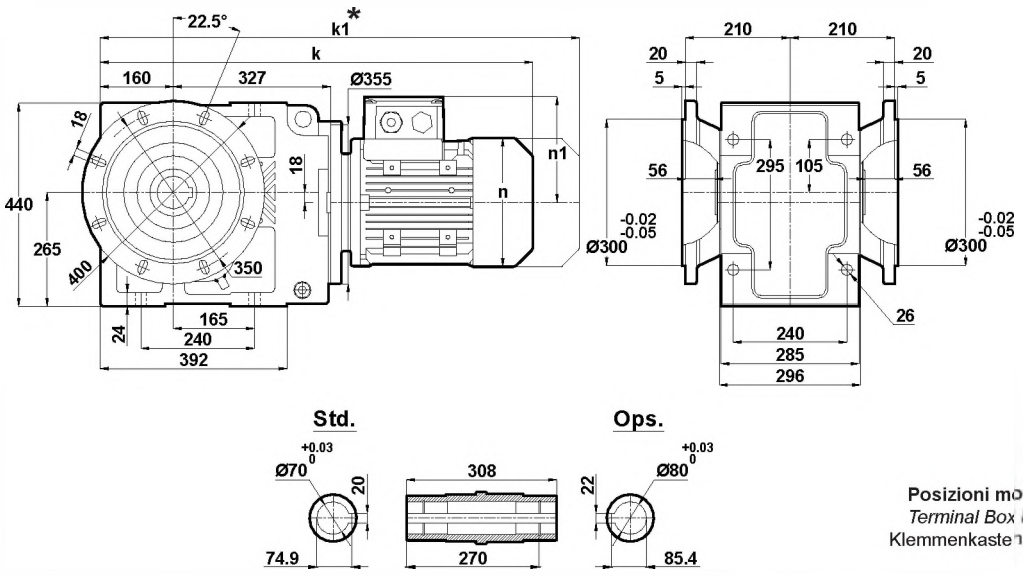


	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

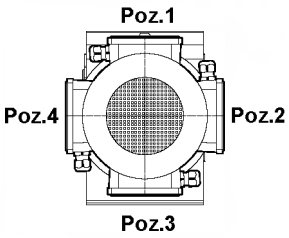
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR673.08



	100L	112M	132S	132M	160M	160L	180M	180L	200L	225S	225M
k	797	821	908	908	1004	1004	1075	1075	1117	1143	1168
k1	916.5	925.5	1038	1038	1184	1184	1245.5	1245.5	1303.5	1308	1333
n	193	215	257	257	315	315	347	347	390	434	434
n1	147	158	179	179	219	219	234	234	275	285	285

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

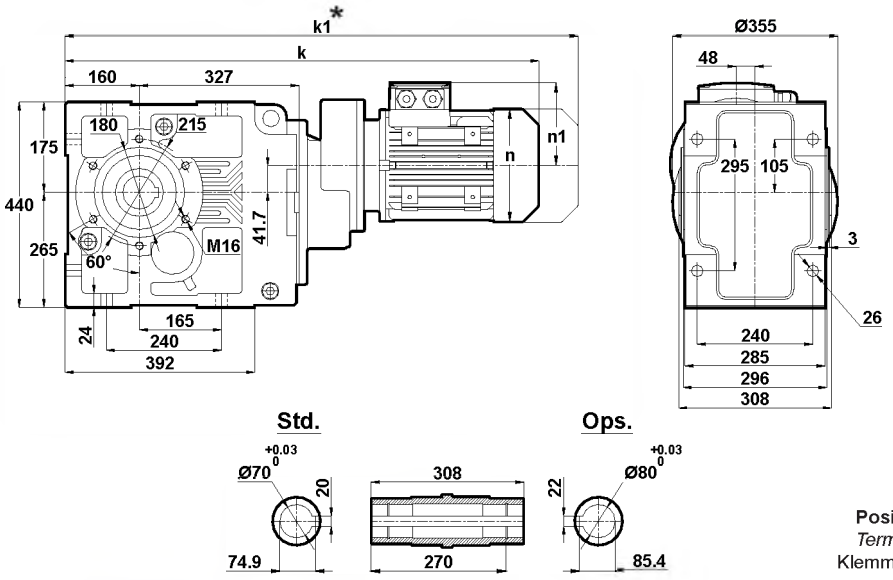


100-112-132-160-180-200-225
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist fur Bremsenmotoren.

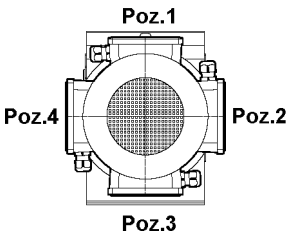
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR674.00



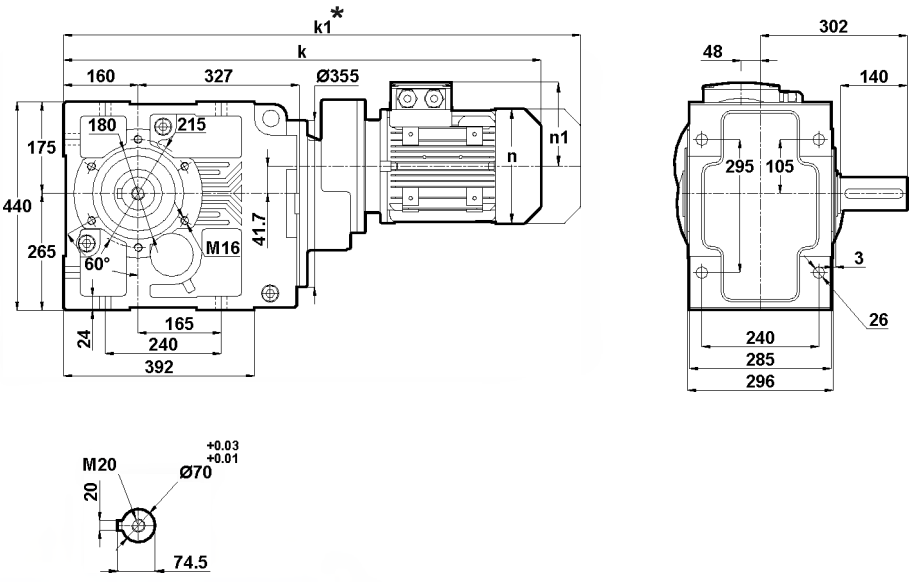
	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



80-90-100
Tip / *Type* / Typ

KR674.01



	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

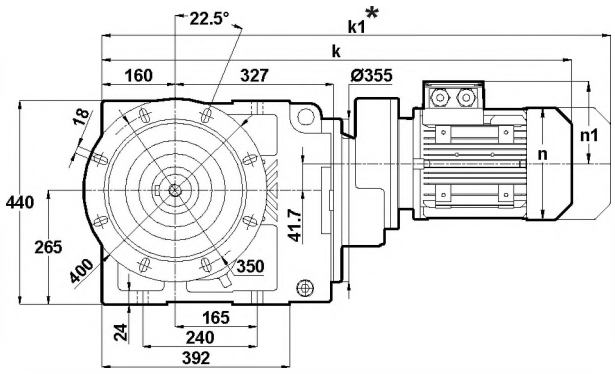
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

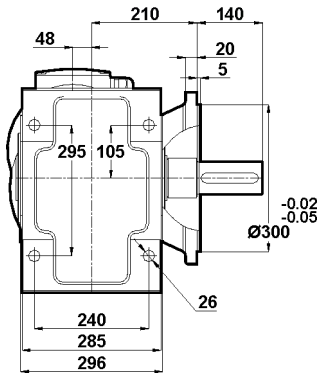


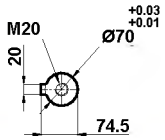
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR674.02

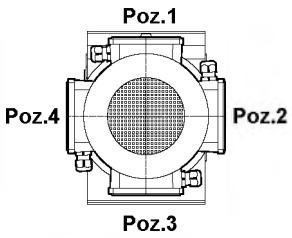






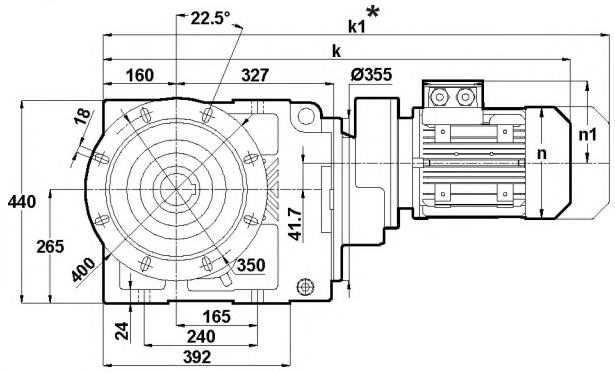
	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

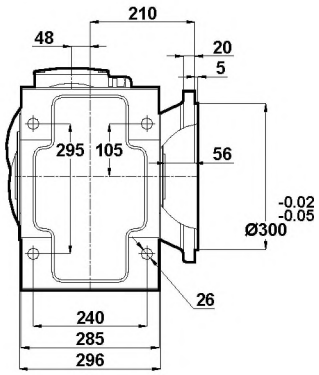
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

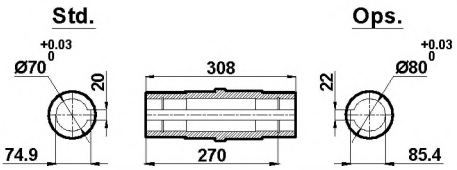


80-90-100
Tip / *Type* / Typ

KR674.03





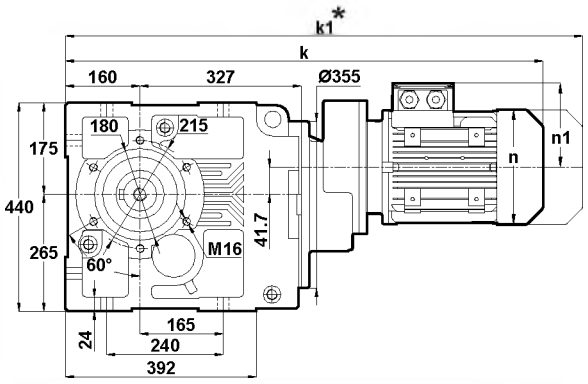


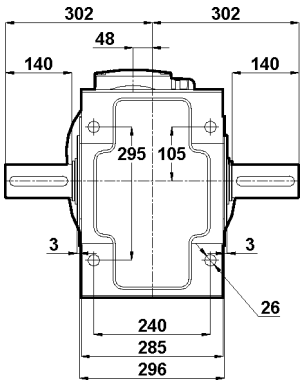
	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

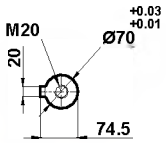
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR674.04

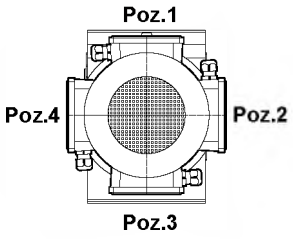






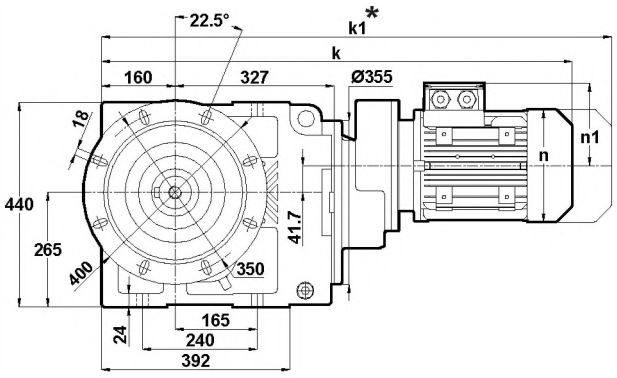
	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

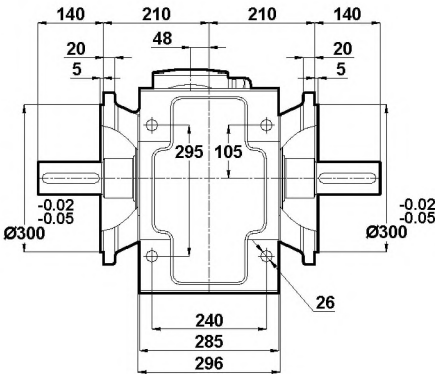
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

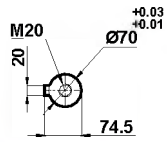


80-90-100
Tip / *Type* / Typ

KR674.05





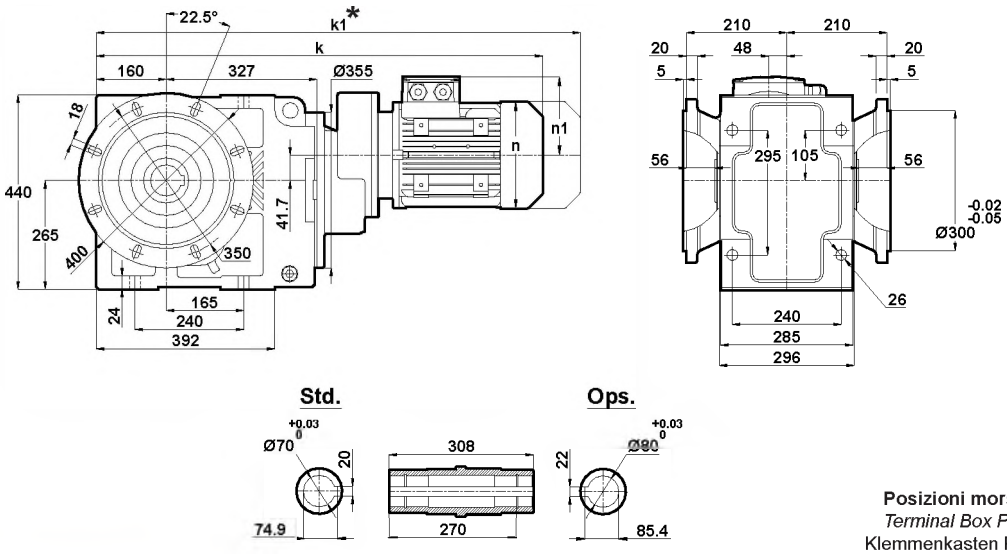


	80	90S	90L	100L
k	830	869	869	913
k1	923	973.5	973.5	1032.5
n	155	176	176	193
n1	121	132	132	147

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

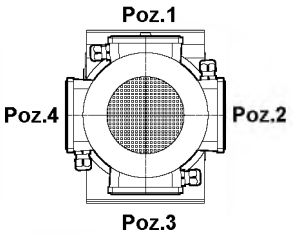
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR674.08



	80	90S	90L	100L
k	830	869	869	913
k1	923	1010	1010	1071
n	155	176	176	193
n1	121	132	132	147

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

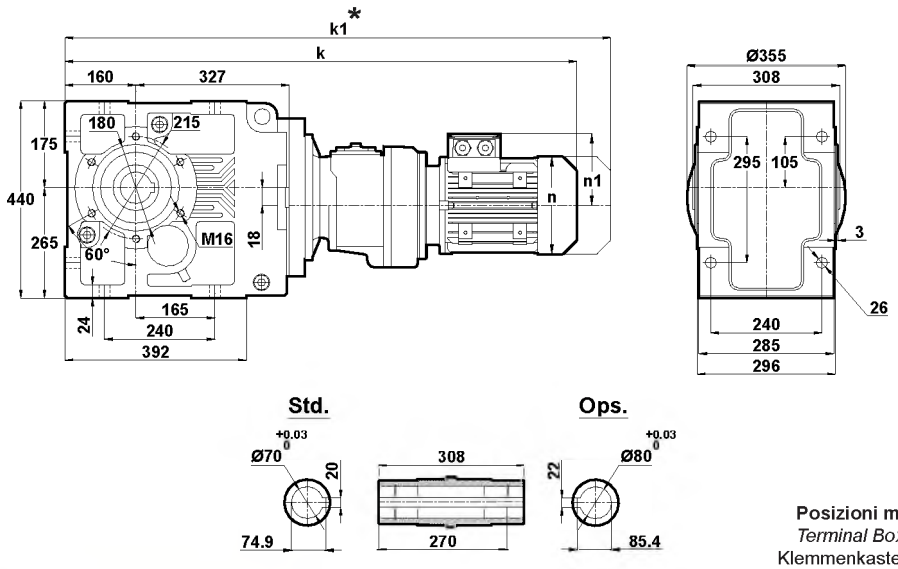


80-90-100
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

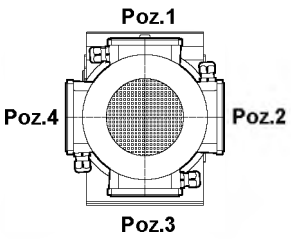
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR675.00
KR676.00



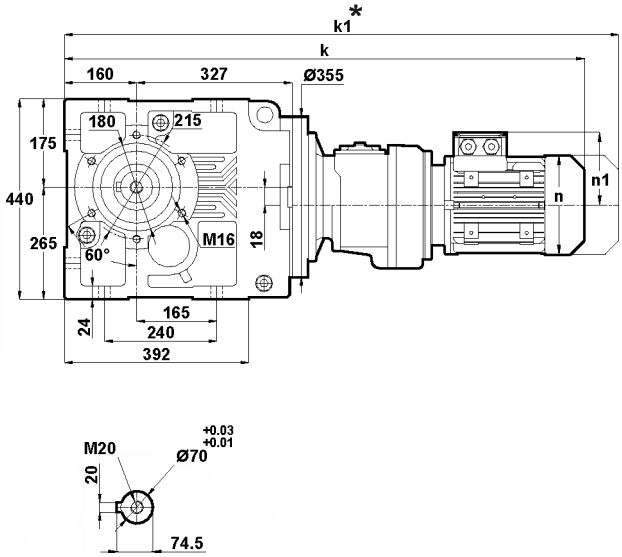
	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90
Tip / *Type* / Typ

KR675.01
KR676.01



	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

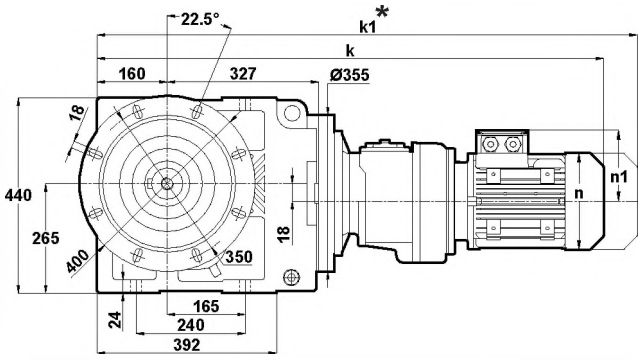
***La misura "k1" è per motori dotati di freno.**
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

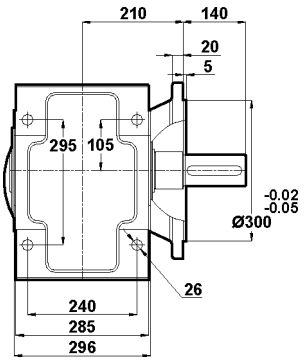


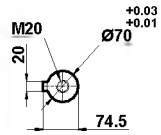
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR675.02
KR676.02

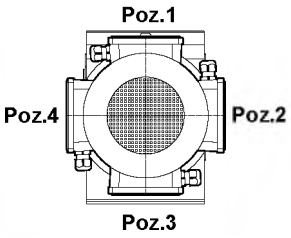






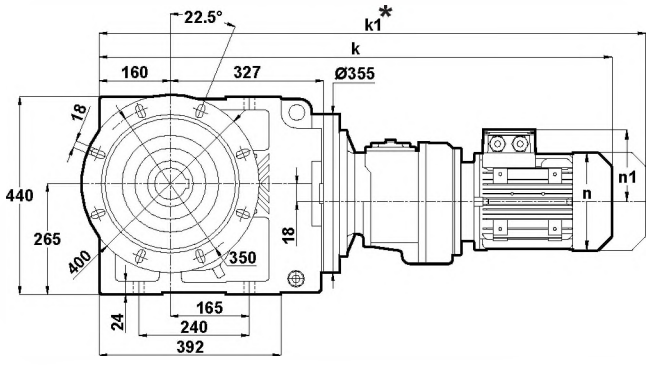
	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

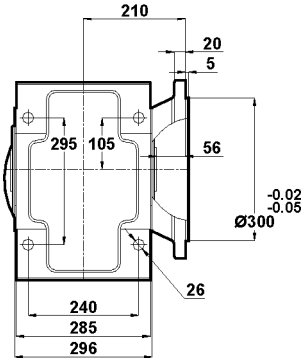
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



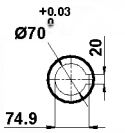
71-80-90
Tip / *Type* / Typ

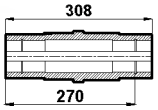
KR675.03
KR676.03



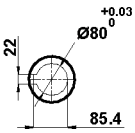


Std.





Ops.

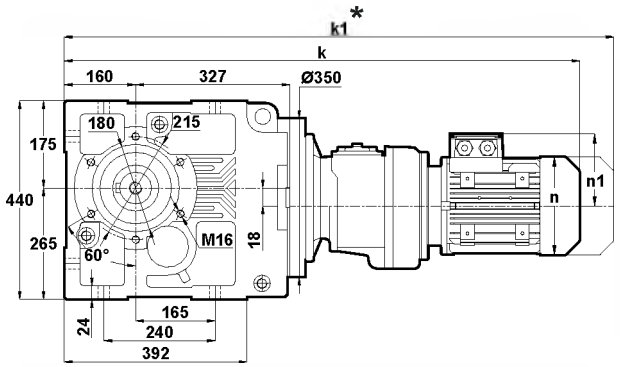


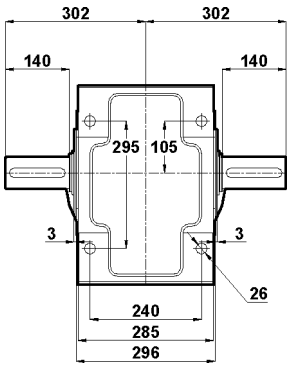
	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

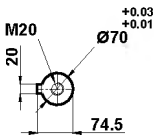
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR675.04
KR676.04

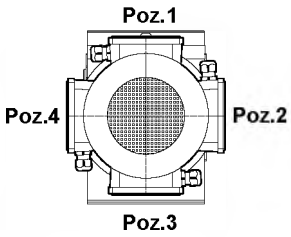






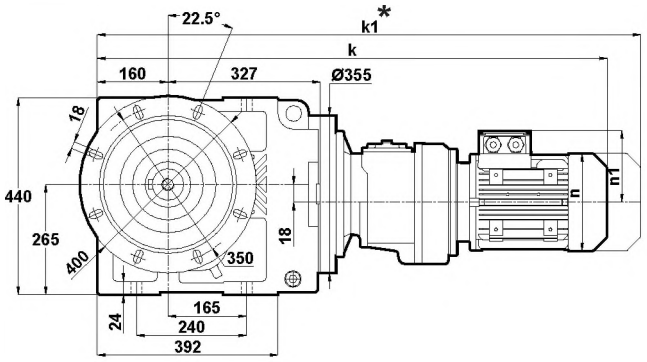
	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

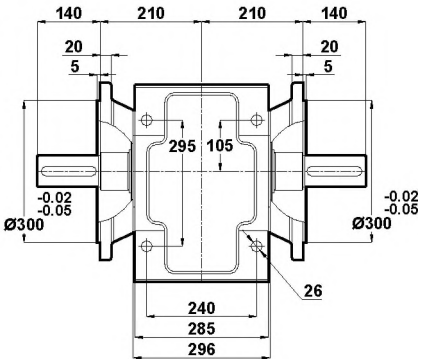
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

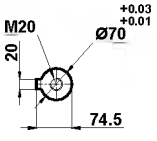


71-80-90
Tip / *Type* / Typ

KR675.05
KR676.05







	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

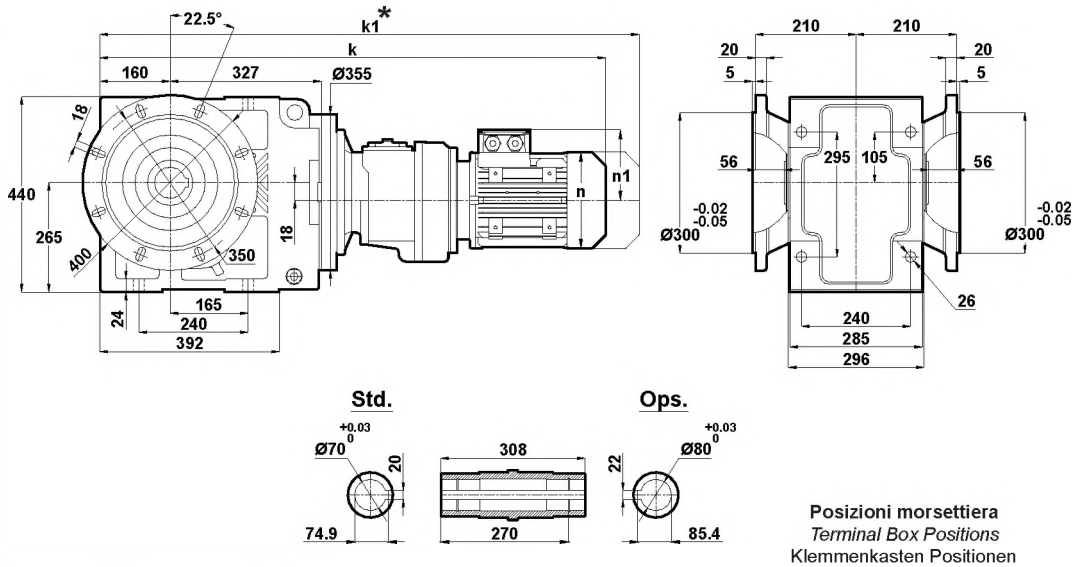
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

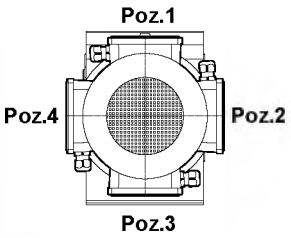
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR675.08
KR676.08



	71	80	90S
k	942	976	1015
k1	1033	1069	1119.5
n	137	155	176
n1	112	121	132

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

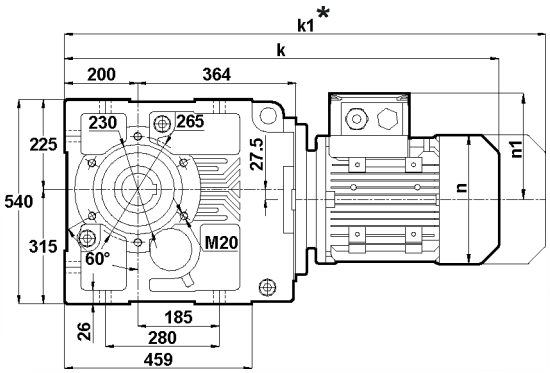


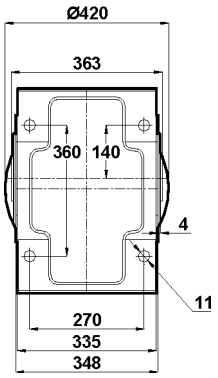
71-80-90
Tip / *Type* / Typ

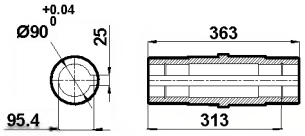
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR773.00

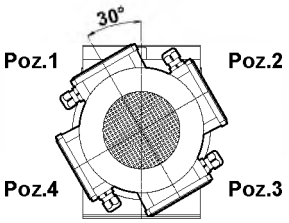






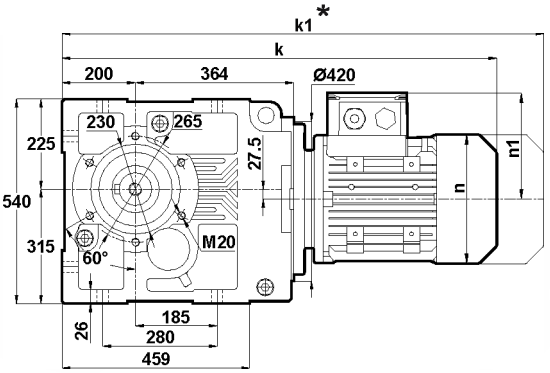
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

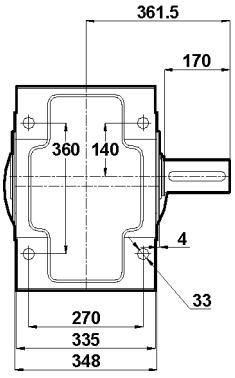
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

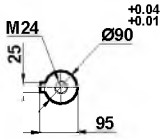


132-160-180-200-225-250
Tip / *Type* / Typ

KR773.01







	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

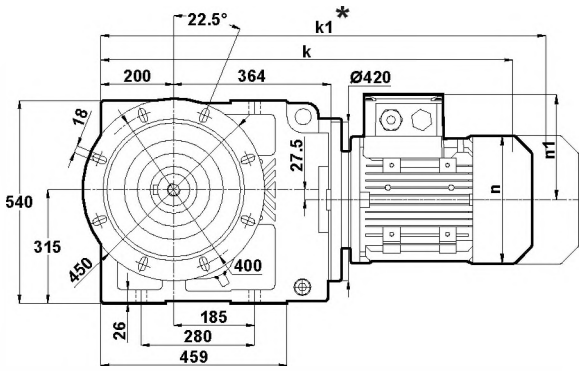
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

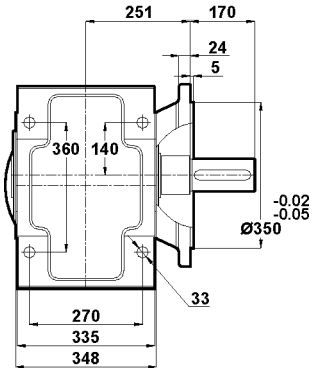


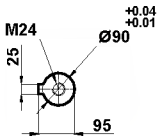
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

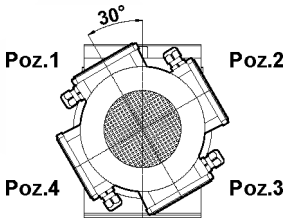
KR773.02







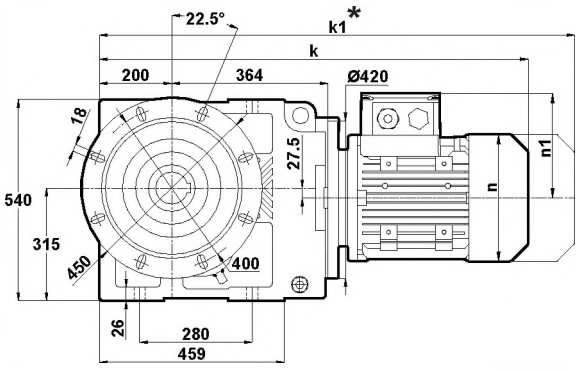
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

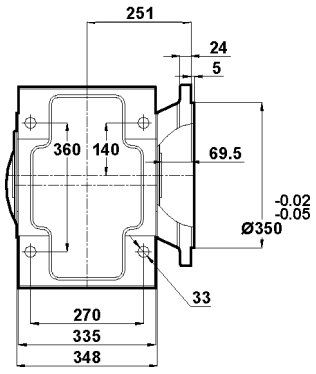


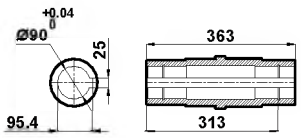
132-160-180-200-225-250
Tip / *Type* / Typ

	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

KR773.03





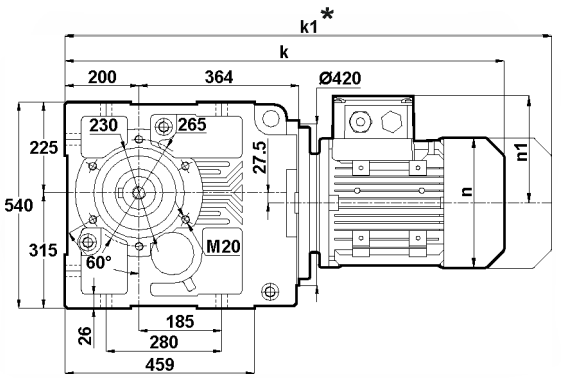


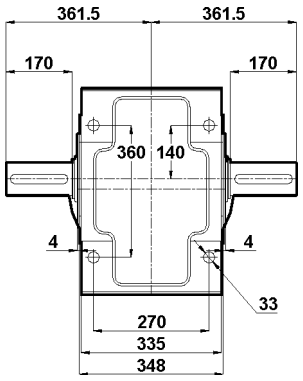
	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

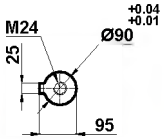
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

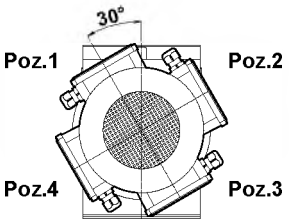
KR773.04







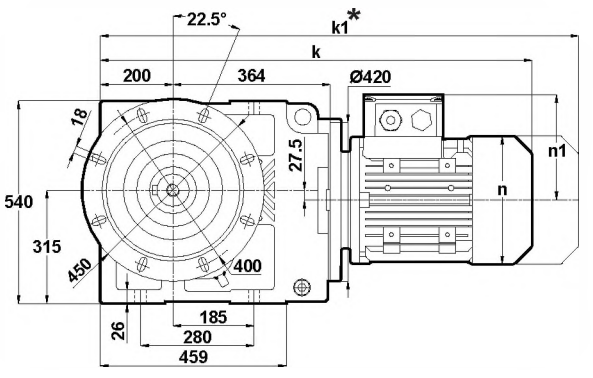
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

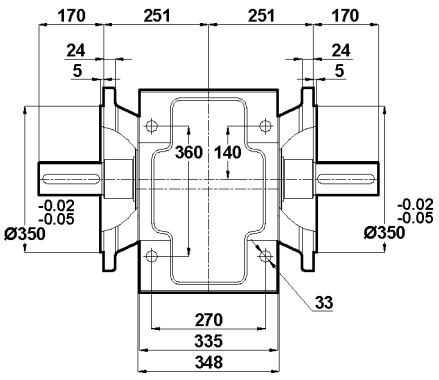


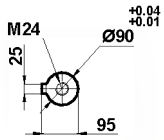
132-160-180-200-225-250
Tip / *Type* / Typ

	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

KR773.05







	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

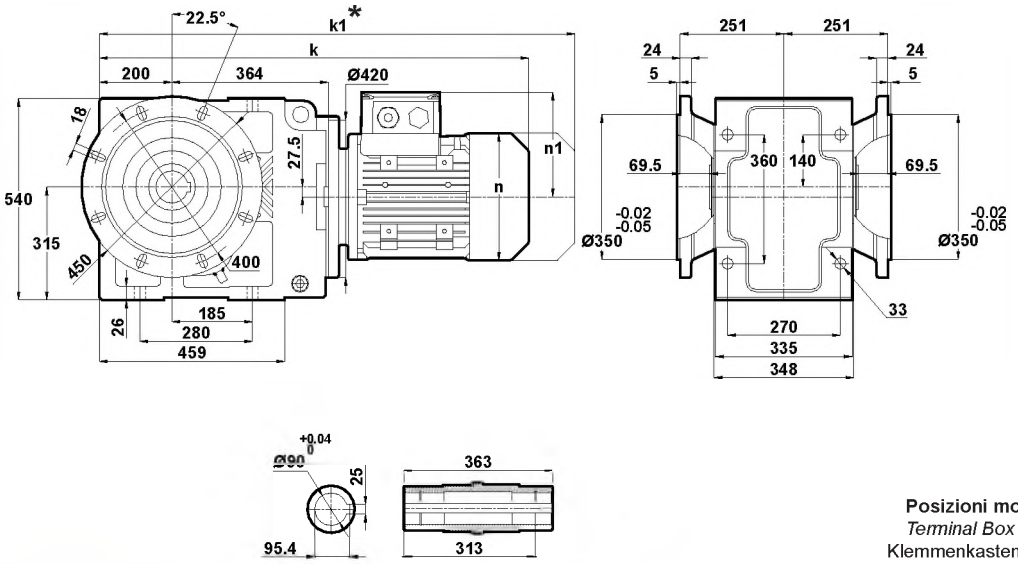
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

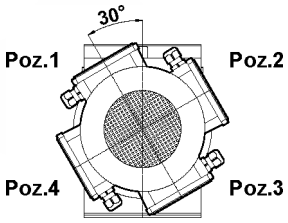
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR773.08



	132S	132M	160M	160L	180M	180L	200L	225S	225M	250M
k	981	981	1077	1077	1148	1148	1190	1217	1242	1346
k1	1111	1111	1257	1257	1318.5	1318.5	1376.5	1382	1407	1516.5
n	257	257	315	315	347	347	390	434	434	480
n1	179	179	219	219	234	234	275	285	285	322

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

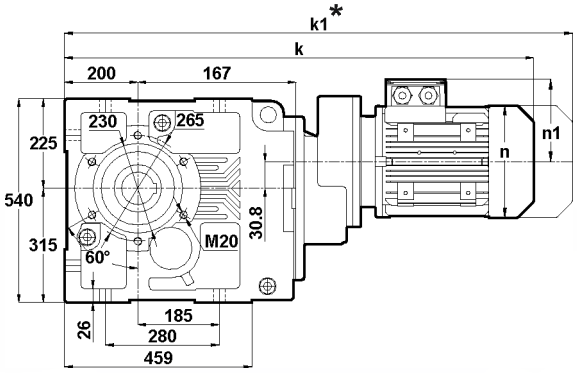


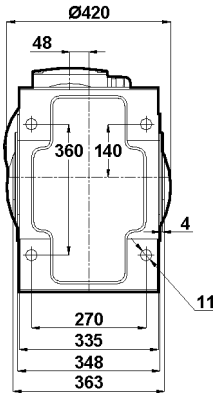
132-160-180-200-225-250
Tip / *Type* / Typ

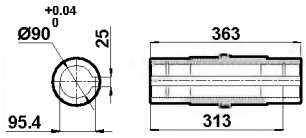
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR774.00

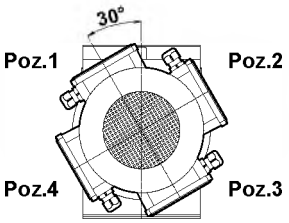






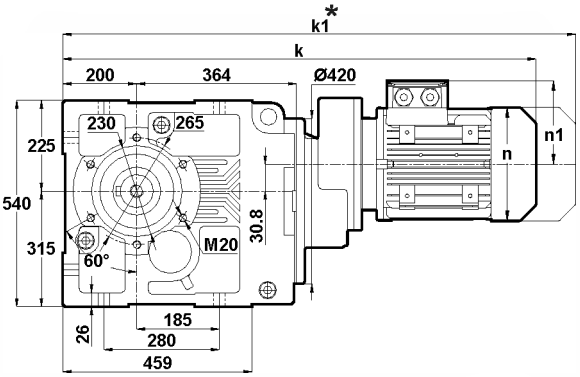
	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

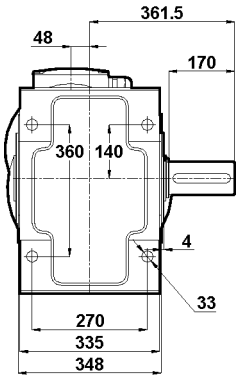
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

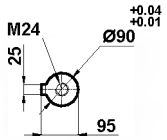


90-100-112-132
Tip / *Type* / Typ

KR774.01





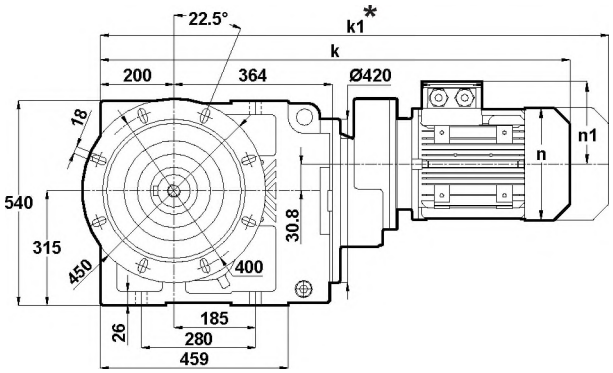


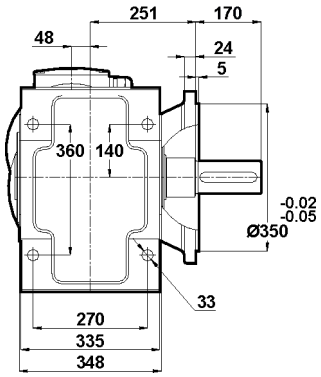
	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

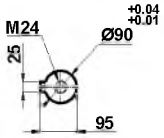
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR774.02

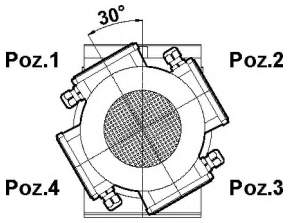






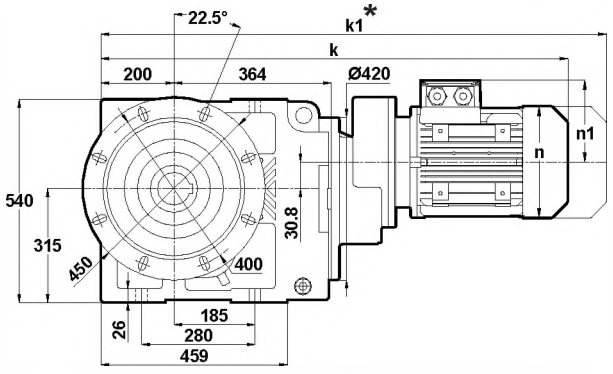
	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

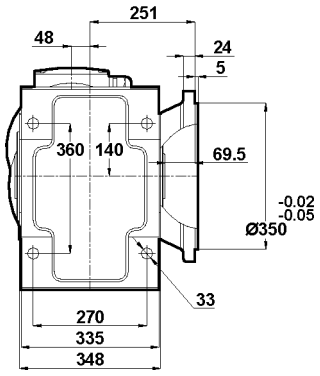
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

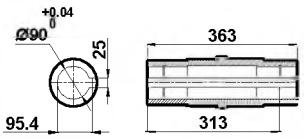


90-100-112-132
Tip / *Type* / Typ

KR774.03





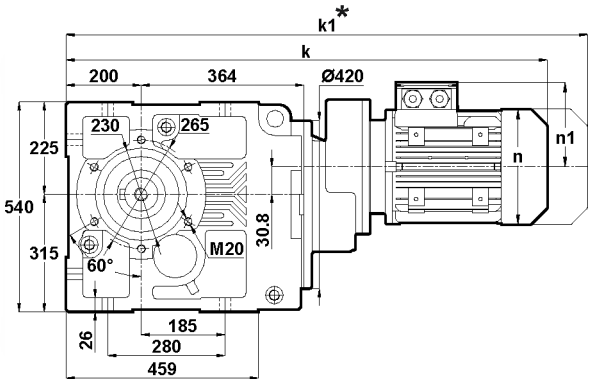


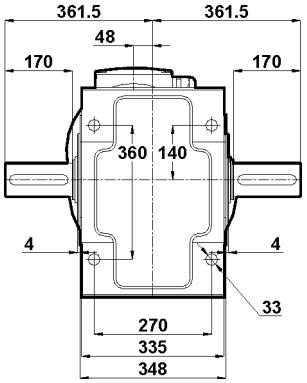
	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

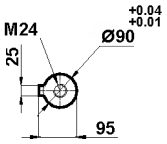
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR774.04

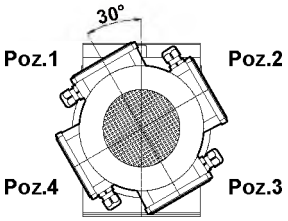






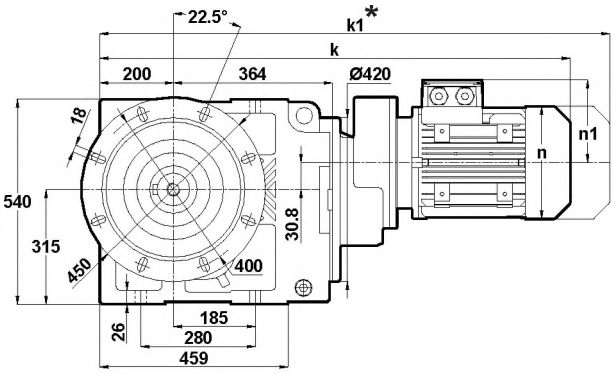
	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

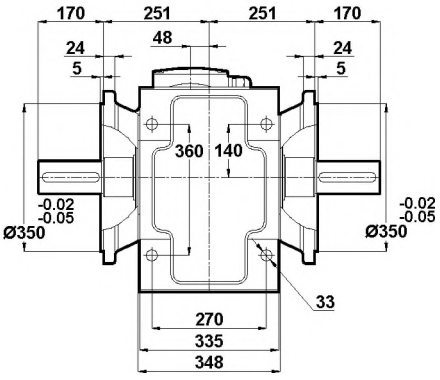
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

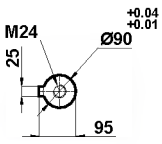


90-100-112-132
Tip / *Type* / Typ

KR774.05





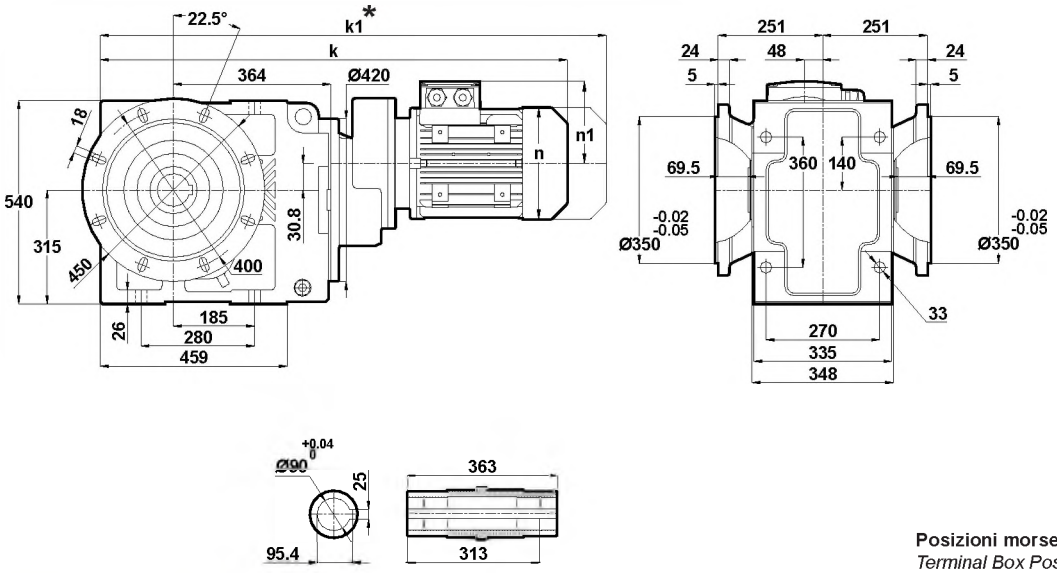


	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

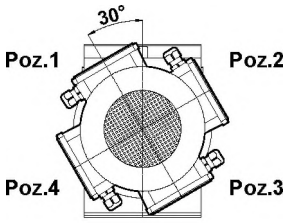
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR774.08



	90S	90L	100L	112M	132S	132M
k	946	946	990	1015	1100	1100
k1	1050.5	1050.5	1109.5	1119.5	1230	1230
n	176	176	193	215	257	257
n1	132	132	147	158	179	179

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

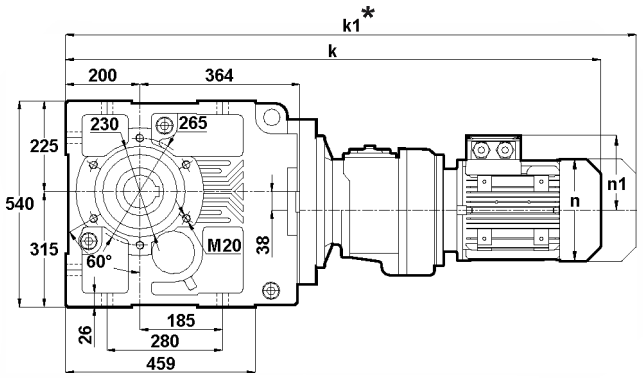


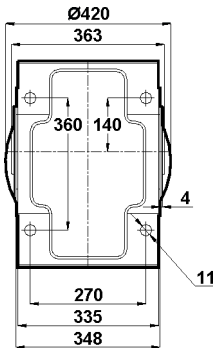
90-100-112-132
Tip / *Type* / Typ

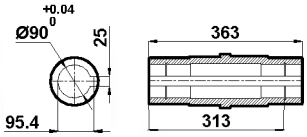
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR775.00
KR776.00

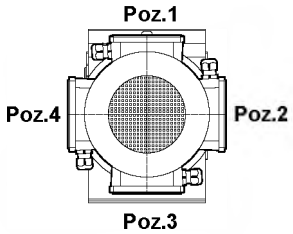






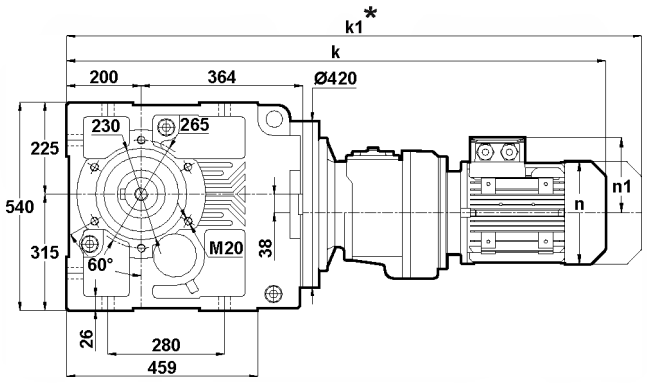
	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

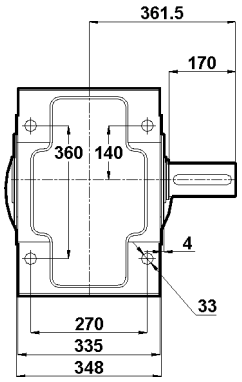
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

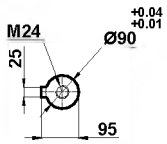


71-80-90-100
Tip / *Type* / Typ

KR775.01
KR776.01







	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

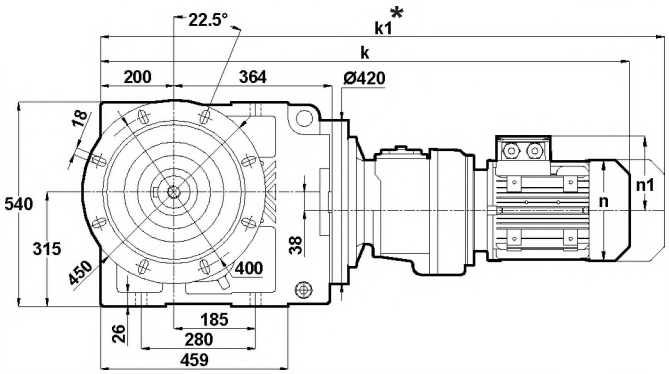
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

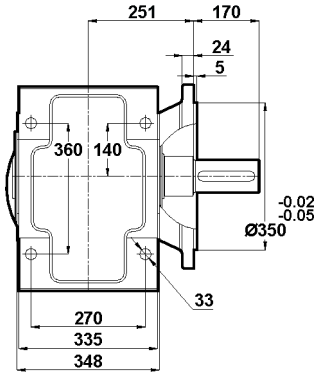


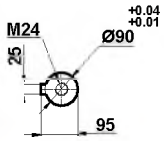
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR775.02
KR776.02

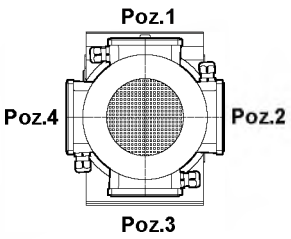






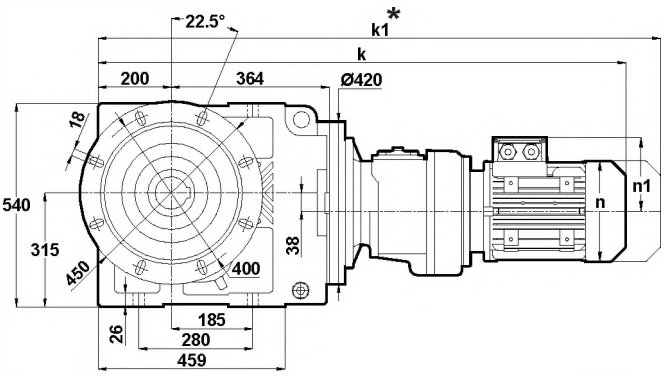
	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

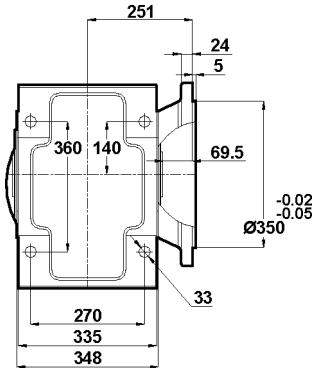
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

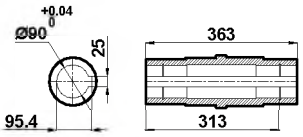


71-80-90-100
Tip / *Type* / Typ

KR775.03
KR776.03





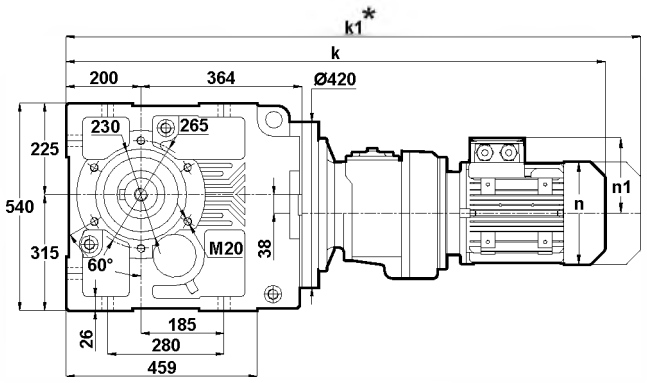


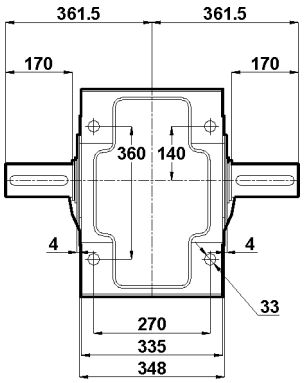
	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

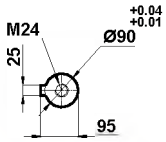
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR775.04
KR776.04

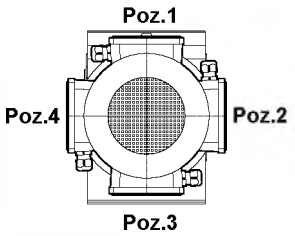






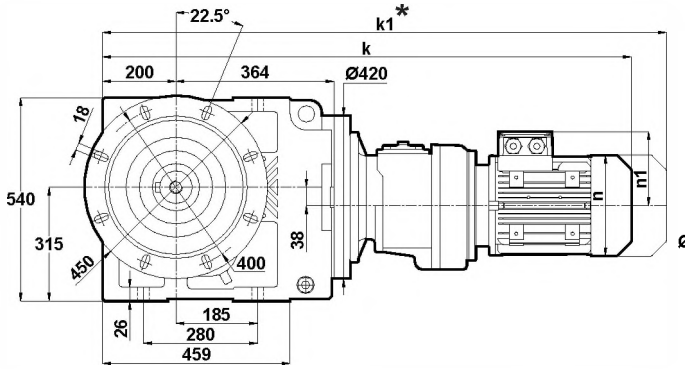
	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

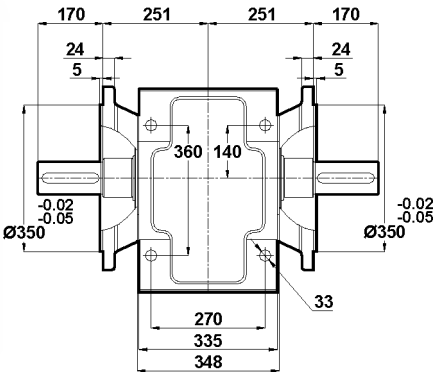
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

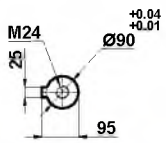


71-80-90-100
Tip / *Type* / Typ

KR775.05
KR776.05





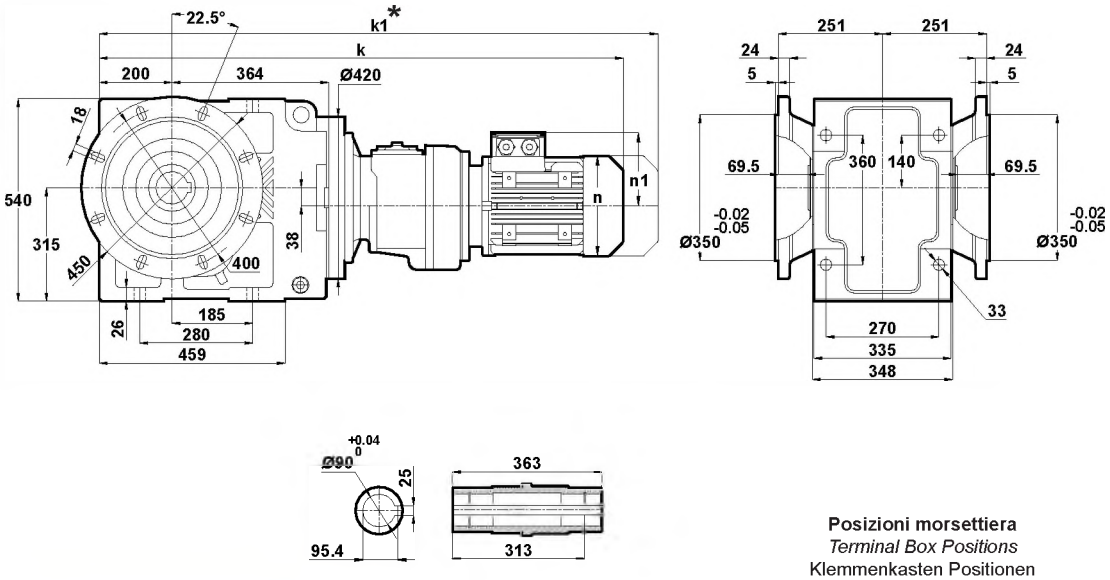


	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

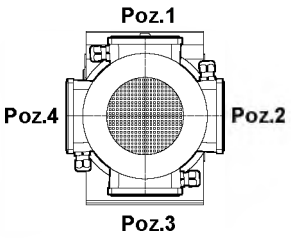
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR775.08
KR776.08



	71	80	90S	90L	100L
k	1019	1053	1092	1092	1140
k1	1110	1146	1196.5	1196.5	1259.5
n	137	155	176	176	193
n1	112	121	132	132	147

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

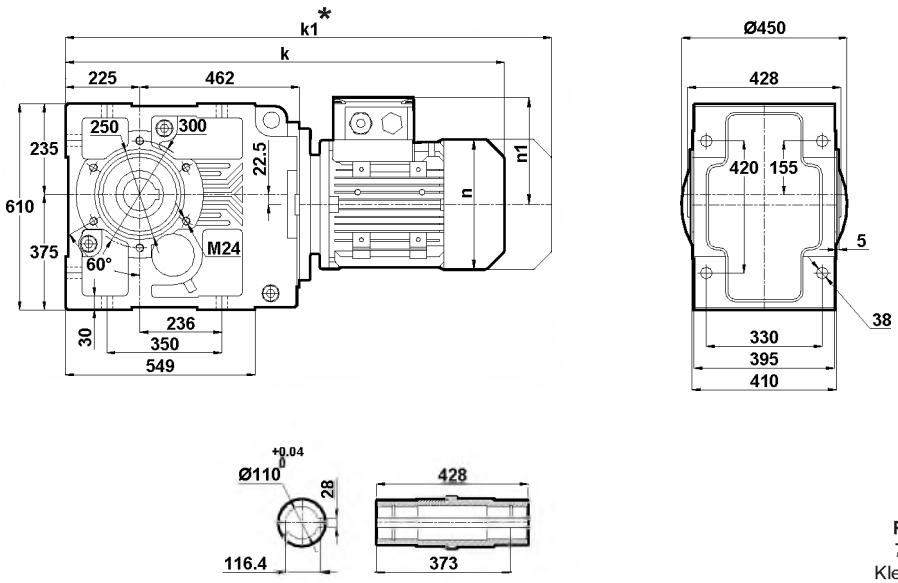


71-80-90-100
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

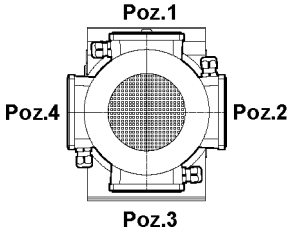
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR873.00



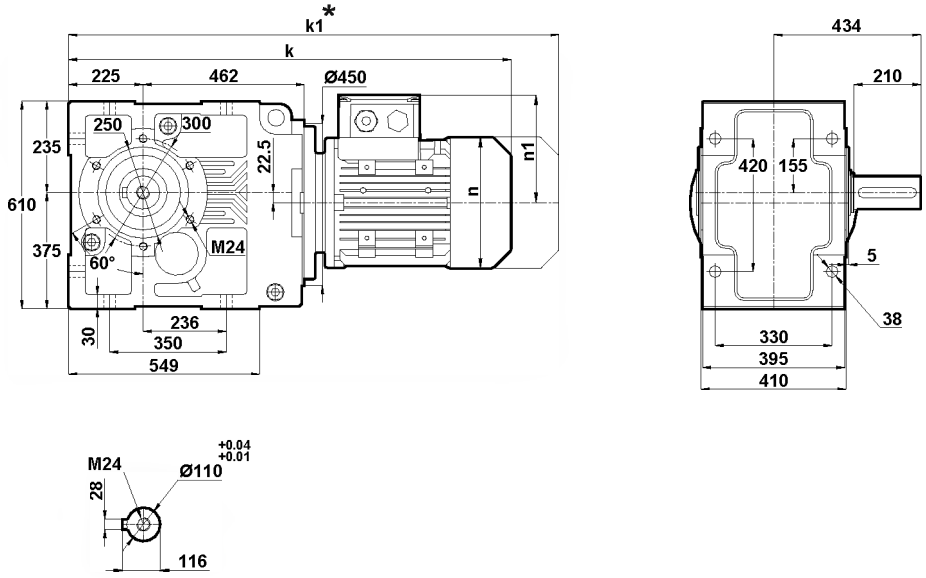
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



132-160-180-200-225-250-280
Tip / *Type* / Typ

KR873.01



	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

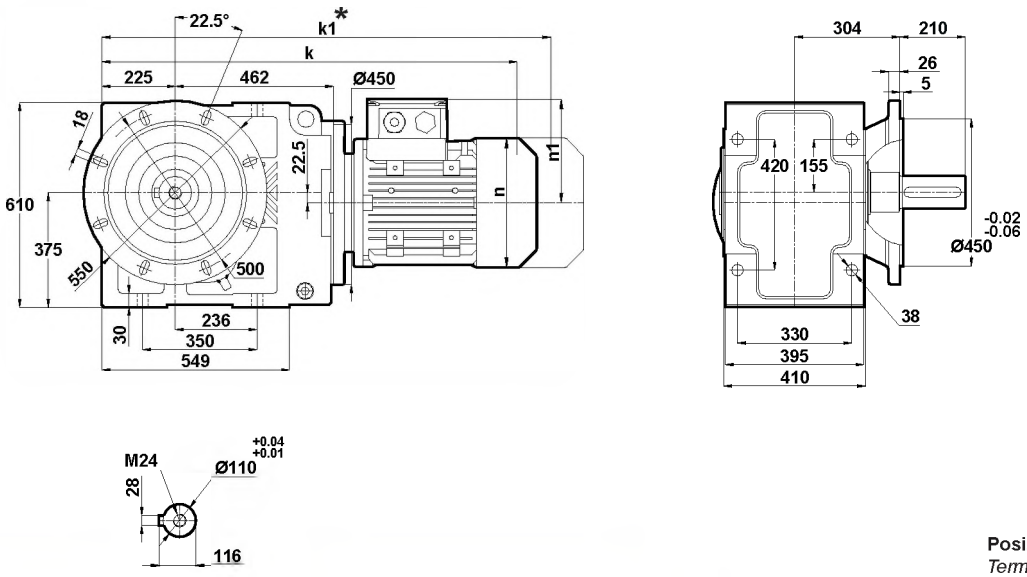
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

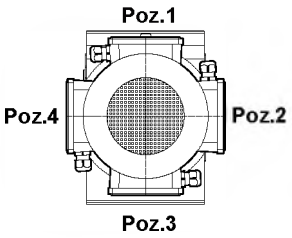
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR873.02



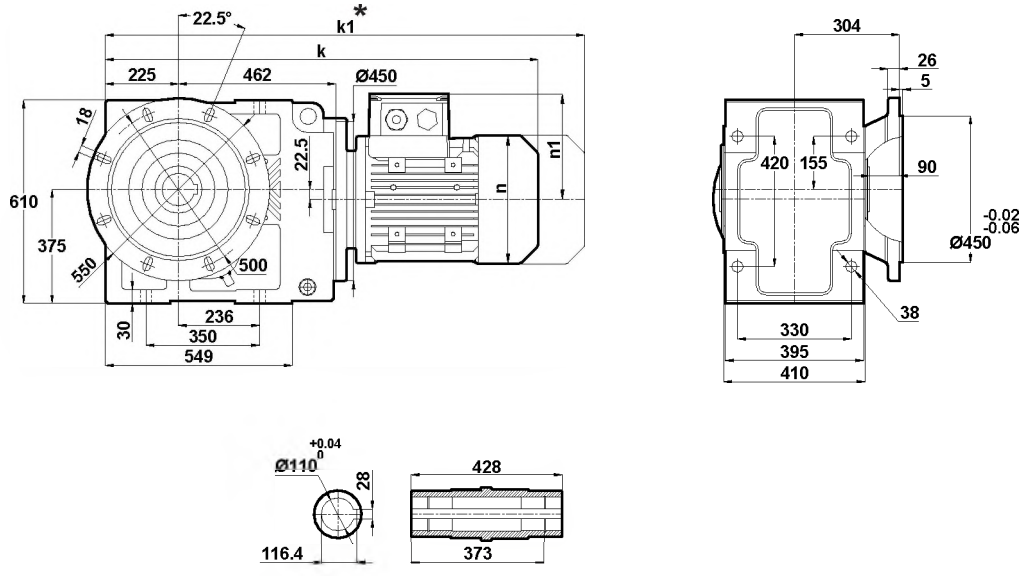
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



132-160-180-200-225-250-280
Tip / *Type* / Typ

KR873.03

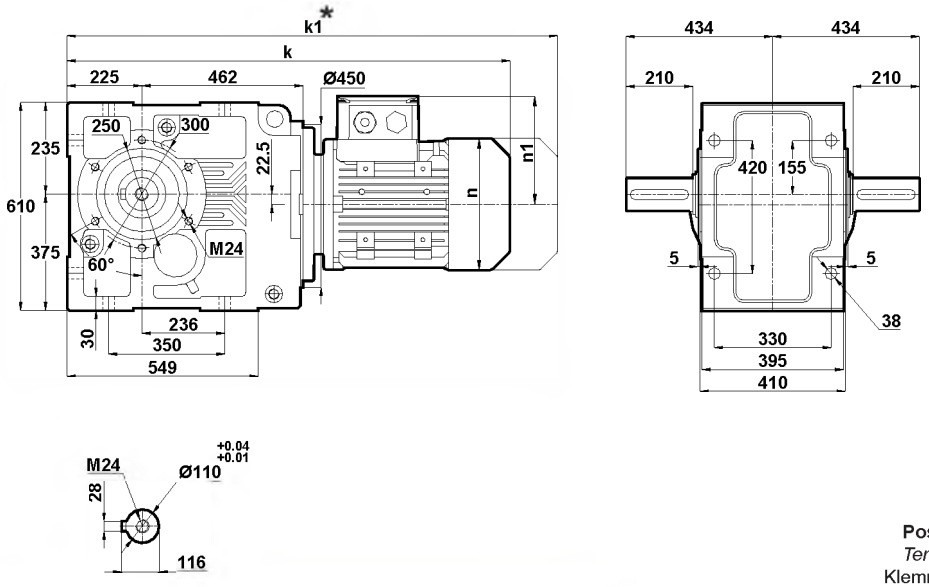


	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

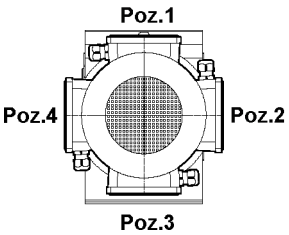
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR873.04



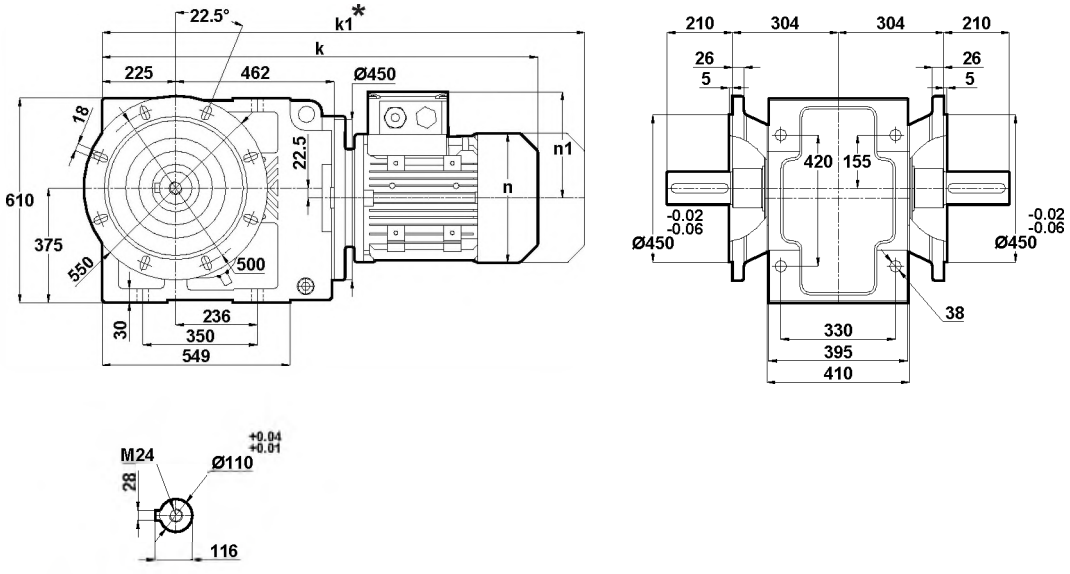
	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



132-160-180-200-225-250-280
Tip / *Type* / Typ

KR873.05



	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

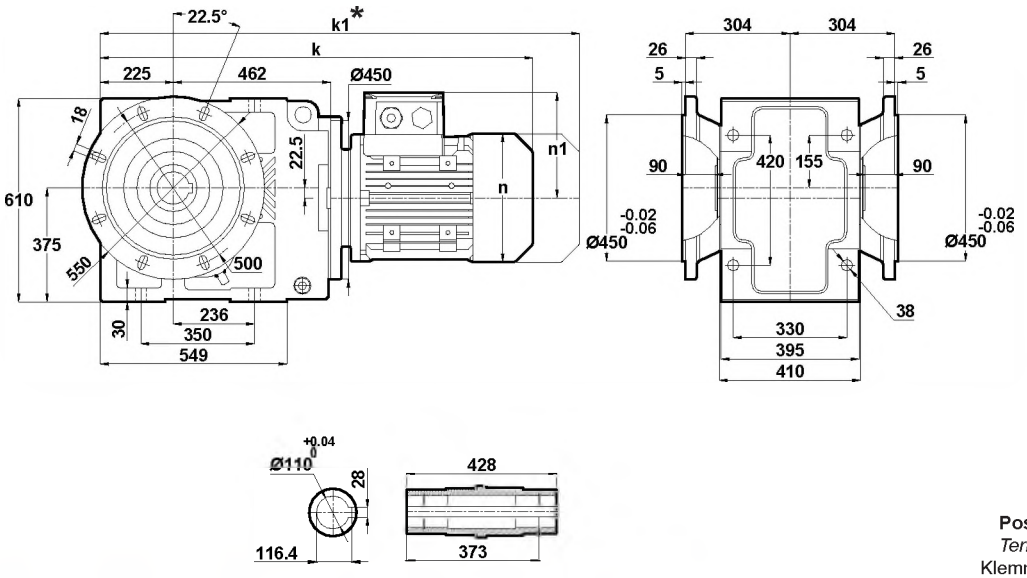
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

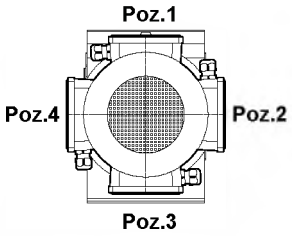
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR873.08



	160M	160L	180M	180L	200L	225S	225M	250M	280S	280M
k	1188	1188	1259	1259	1293	1309	1334	1437	1498	1498
k1	1368	1368	1429.5	1429.5	1479.5	1474	1499	1607.5	1671	1677
n	315	315	347	347	390	434	434	480	544	544
n1	219	219	234	234	275	285	285	322	350	350

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

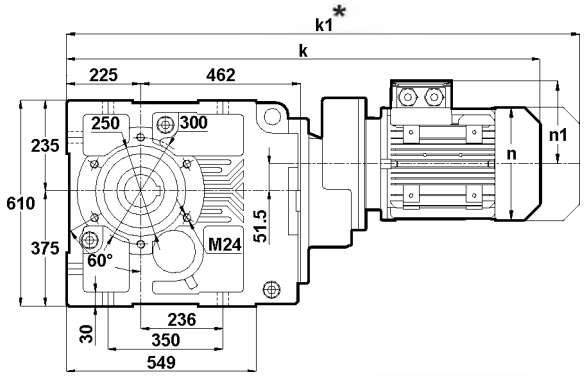


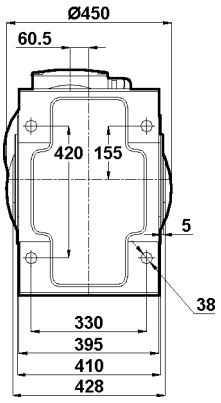
132-160-180-200-225-250-280
Tip / *Type* / Typ

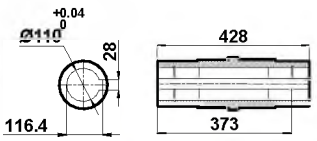
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR874.00

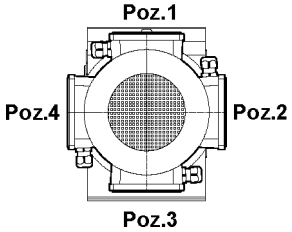






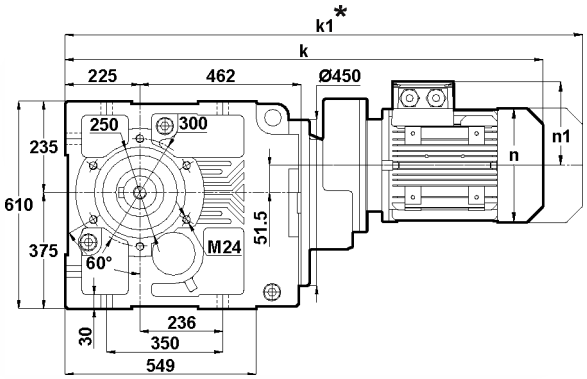
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

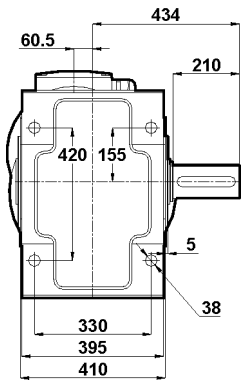
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

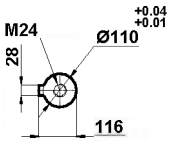


100-112-132-160-180
Tip / *Type* / Typ

KR874.01







	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

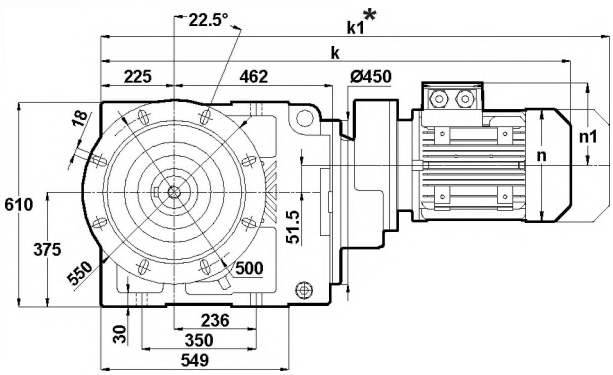
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

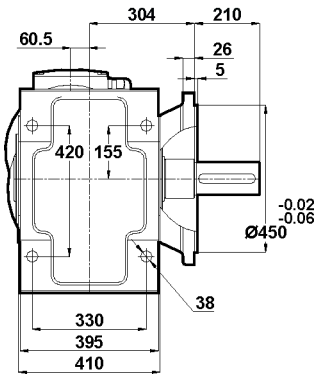


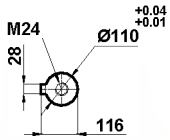
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR874.02

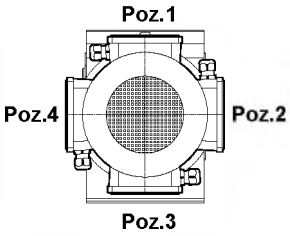






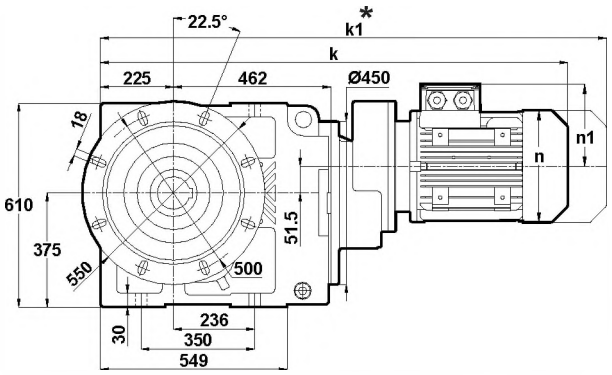
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

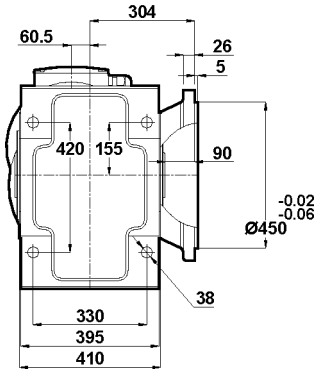
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

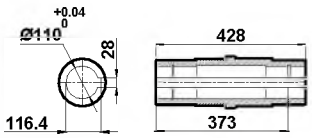


100-112-132-160-180
Tip / *Type* / Typ

KR874.03





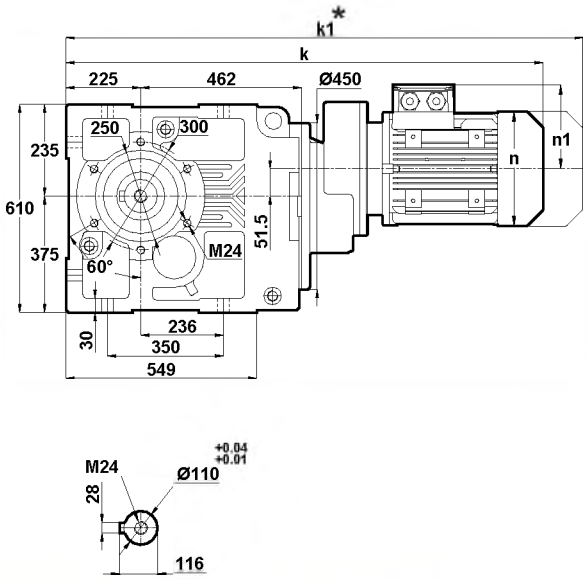


	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

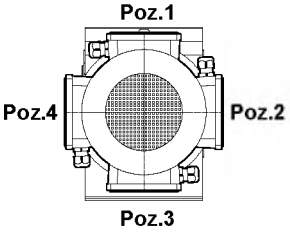
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR874.04



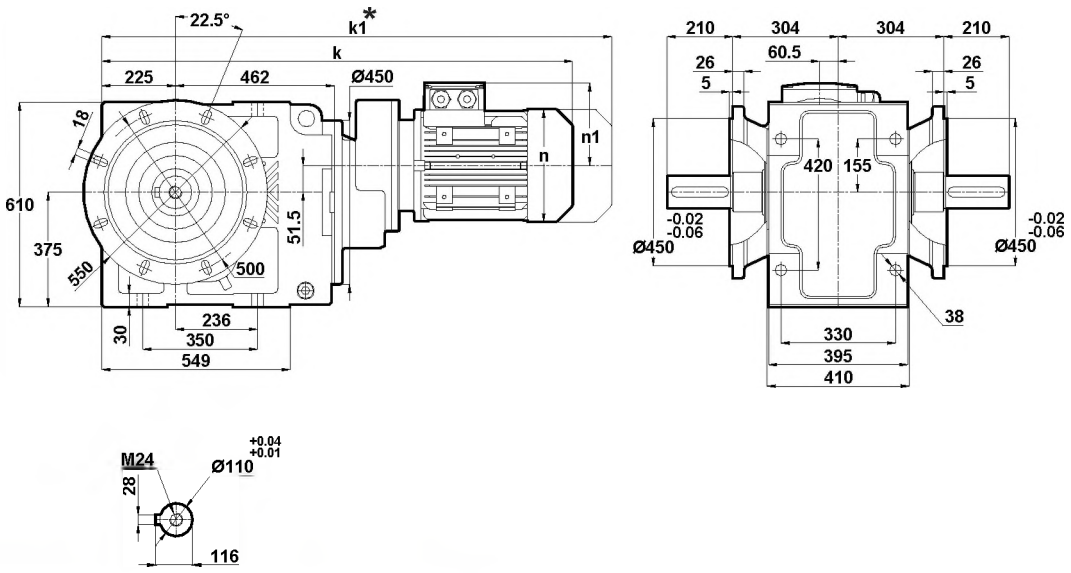
	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR874.05

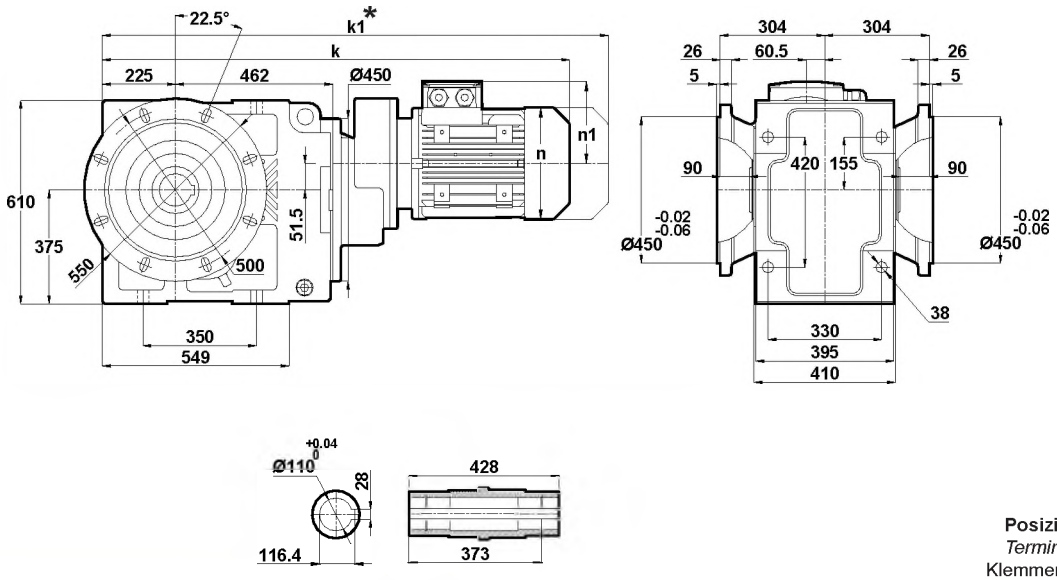


	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

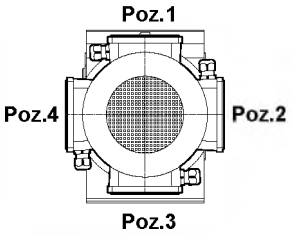
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR874.08



	100L	112M	132S	132M	160M	160L	180M
k	1123	1147	1234	1234	1330	1330	1401
k1	1242.5	1251.5	1364	1364	1510	1510	1571.5
n	193	215	257	257	315	315	347
n1	147	158	179	179	219	219	234

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

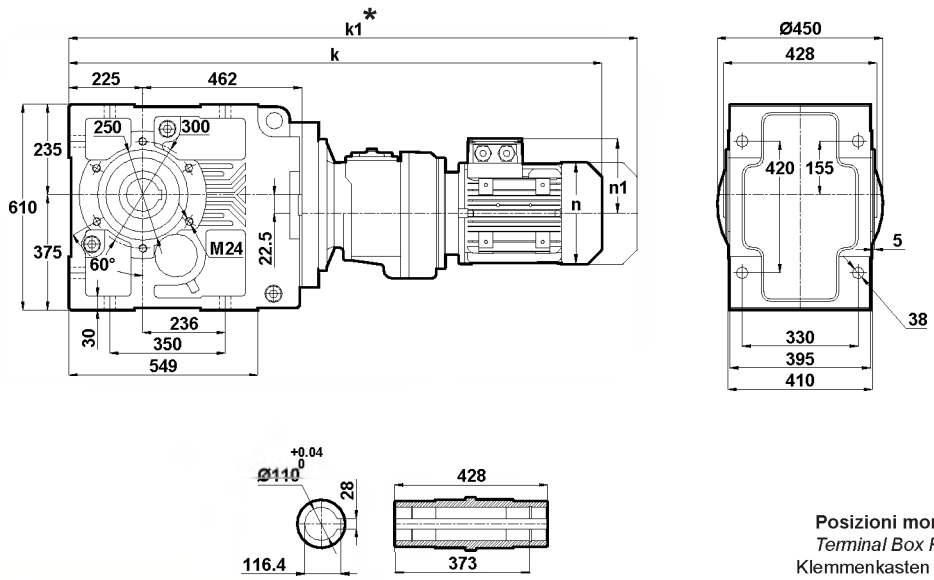


100-112-132-160-180
Tip / *Type* / Typ

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

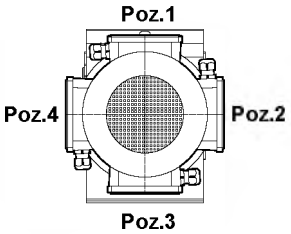
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR875.00
KR876.00



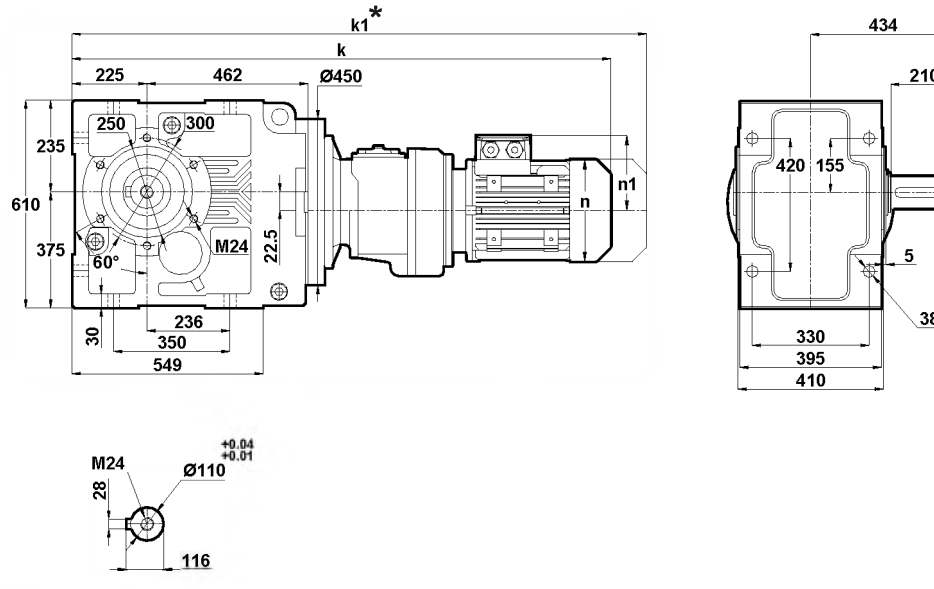
	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR875.01
KR876.01



	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

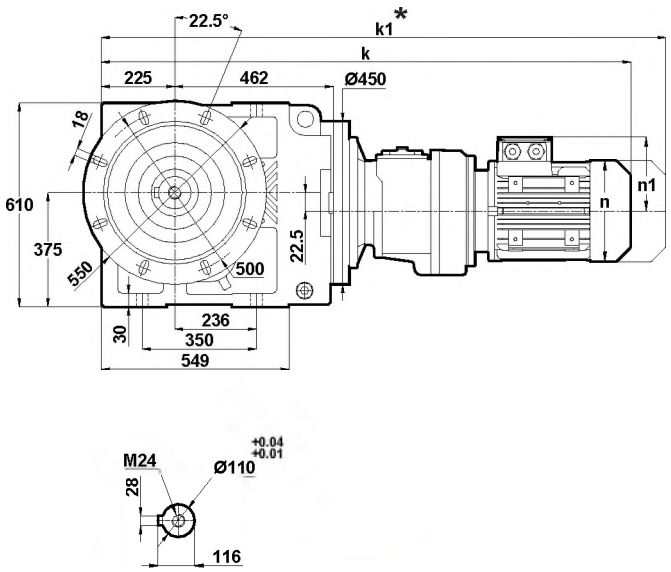
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

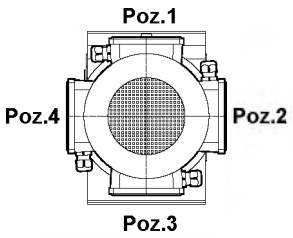
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR875.02
KR876.02



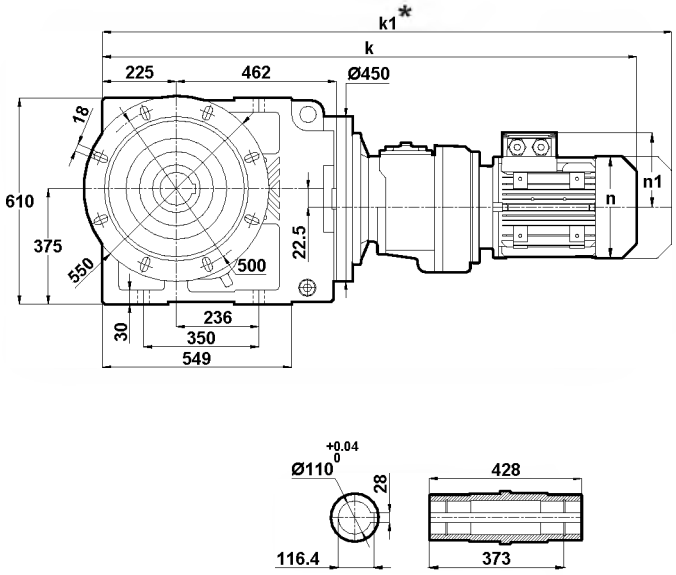
	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KR875.03
KR876.03

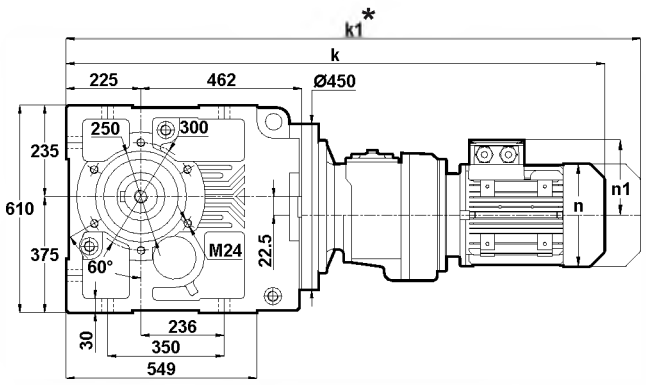


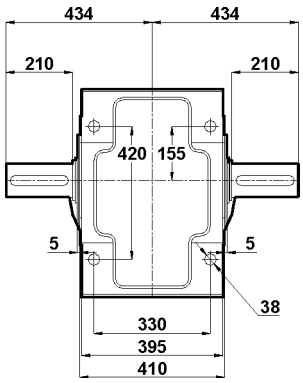
	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

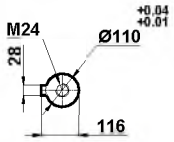
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR875.04
KR876.04

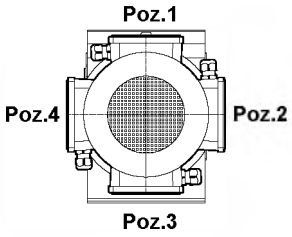






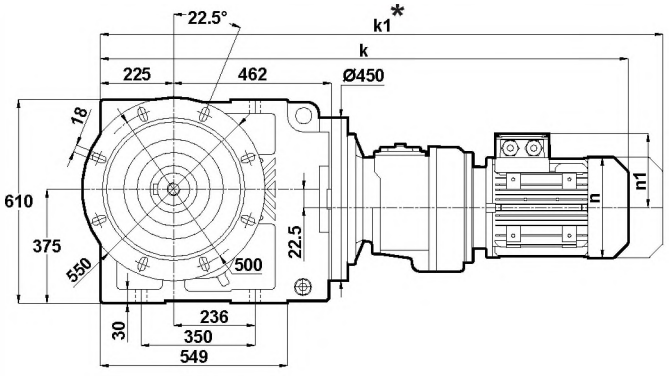
	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

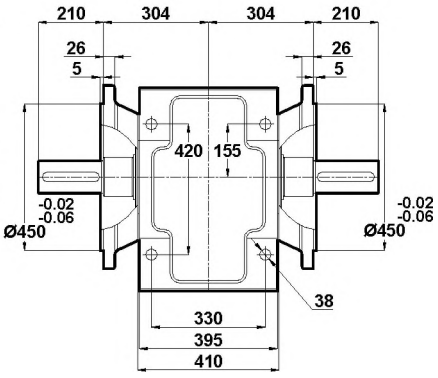
Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen

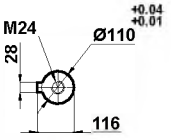


71-80-90-100-112-132
Tip / *Type* / Typ

KR875.05
KR876.05





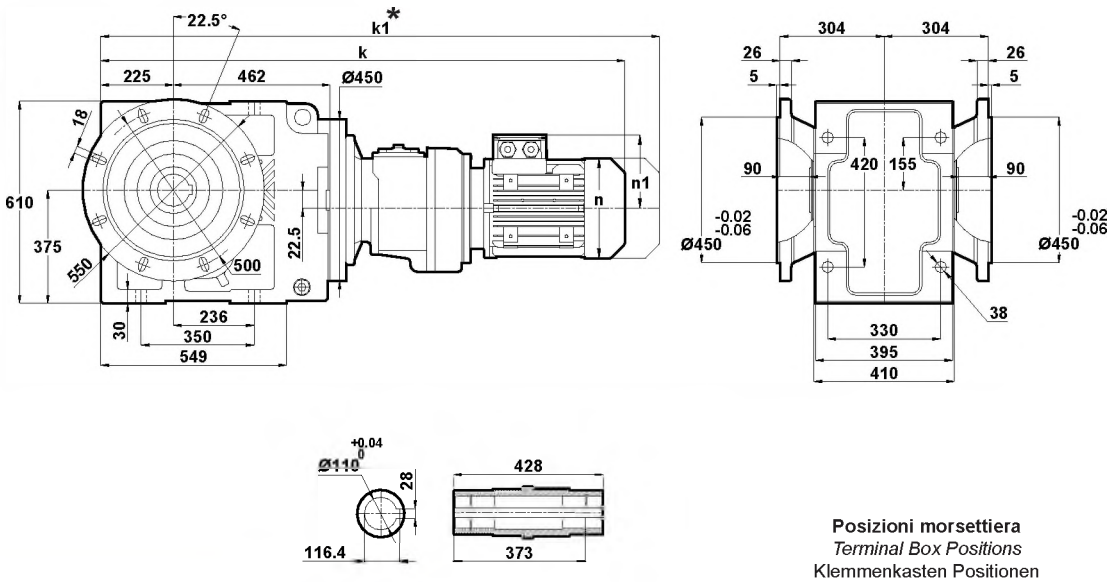


	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.

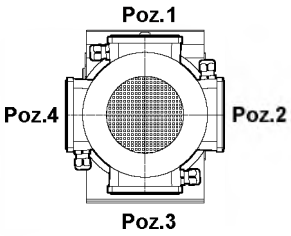
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KR875.08
KR876.08



	71	80	90S	90L	100L	112M
k	1142	1176	1215	1215	1263	1287
k1	1233	1269	1319.5	1319.5	1382.5	1391.5
n	137	155	176	176	193	215
n1	112	121	132	132	147	158

Posizioni morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

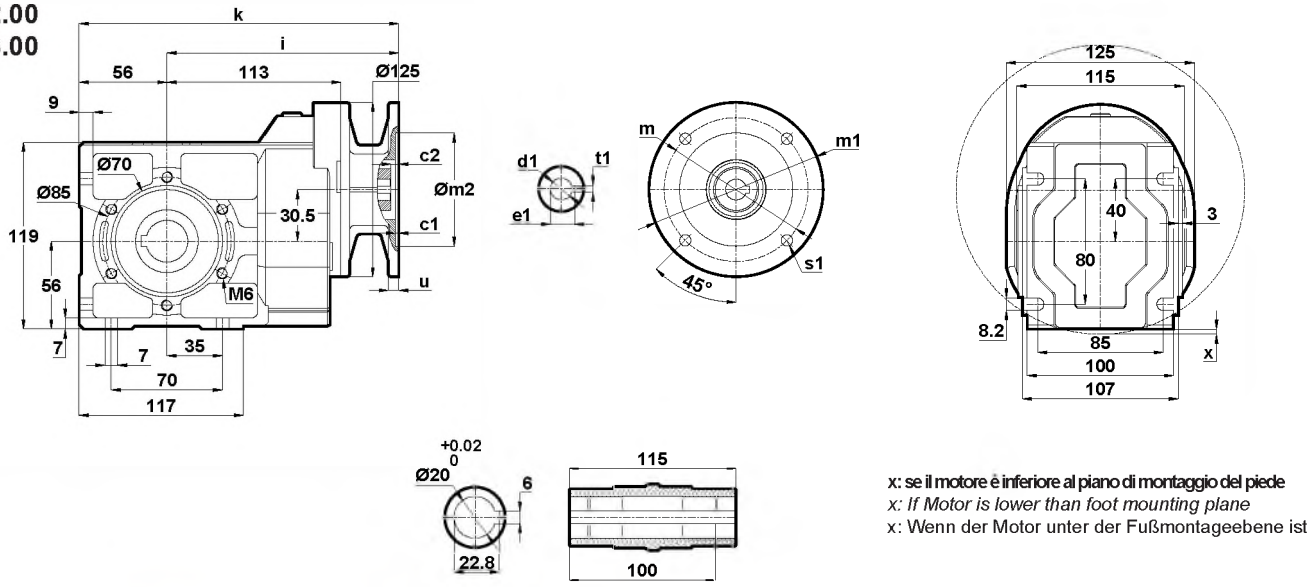
*La misura "k1" è per motori dotati di freno.
Dimension " k1" is for motors with brake.
Maße " k1 " ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

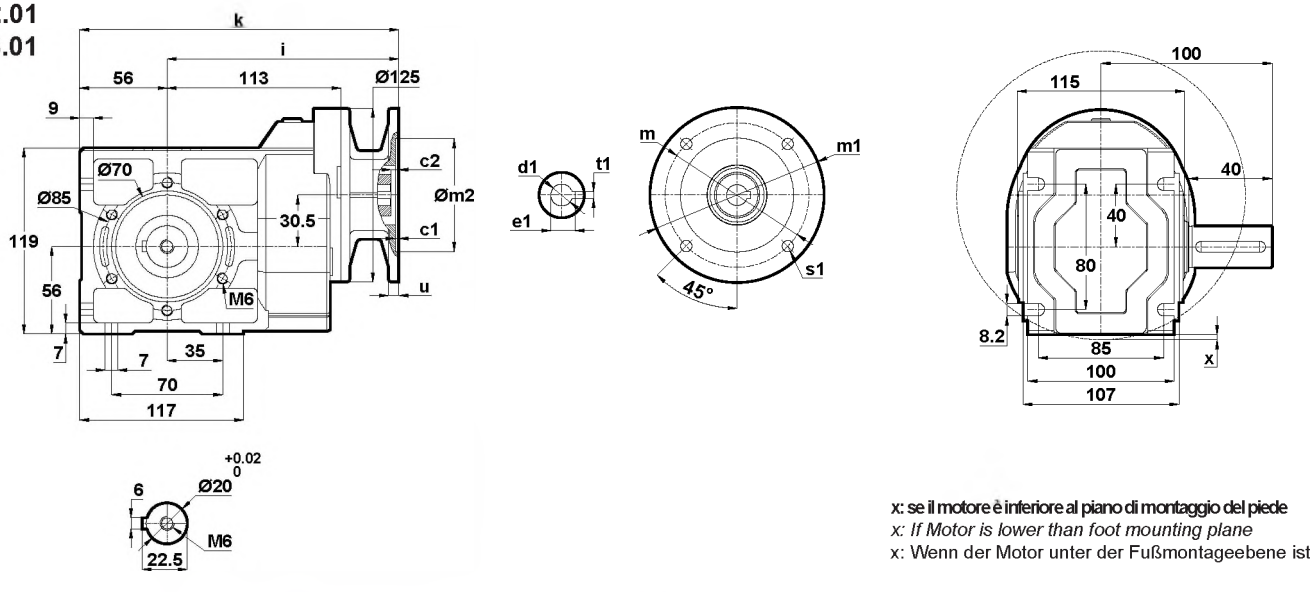
KN002.00
KN003.00



x: se il motore è inferiore al piano di montaggio del piede
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	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -

KN002.01
KN003.01



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

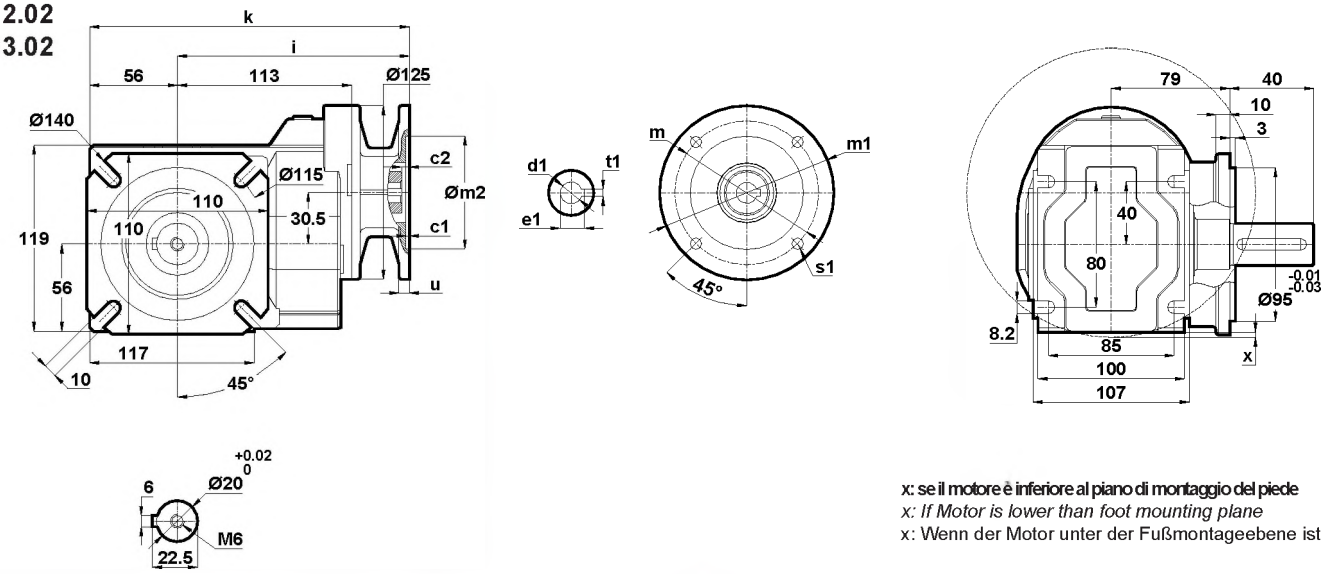
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

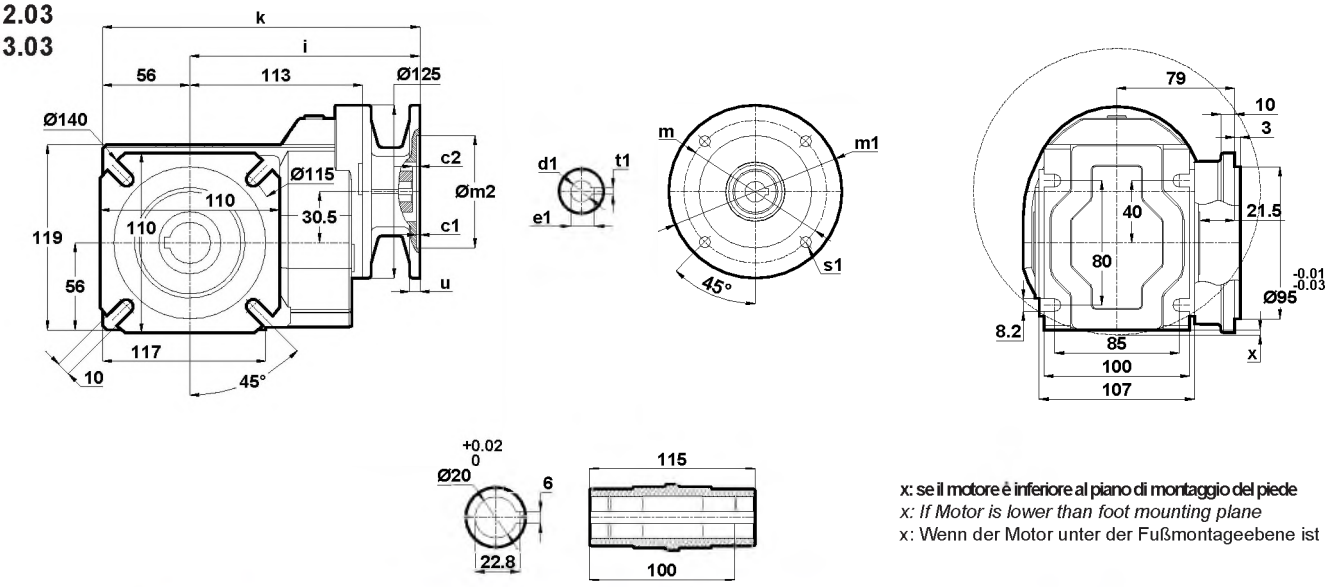
KN002.02
KN003.02



x: se il motore è inferiore al piano di montaggio del piede
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	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -

KN002.03
KN003.03



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

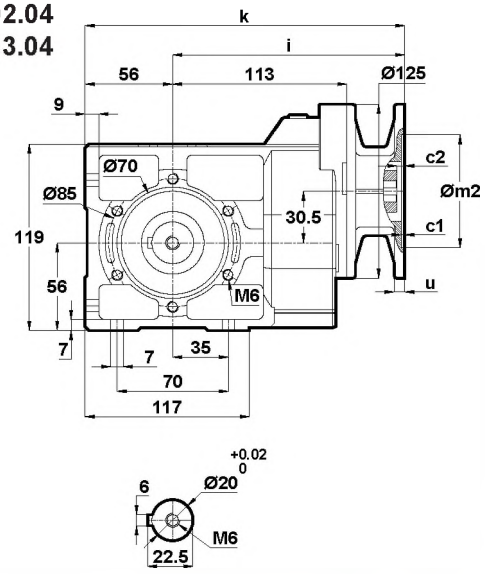
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

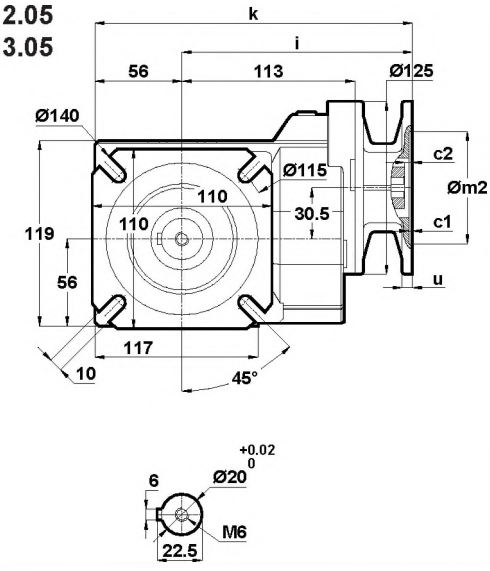
KN002.04
KN003.04



x: se il motore è inferiore al piano di montaggio del piede
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	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -

KN002.05
KN003.05



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

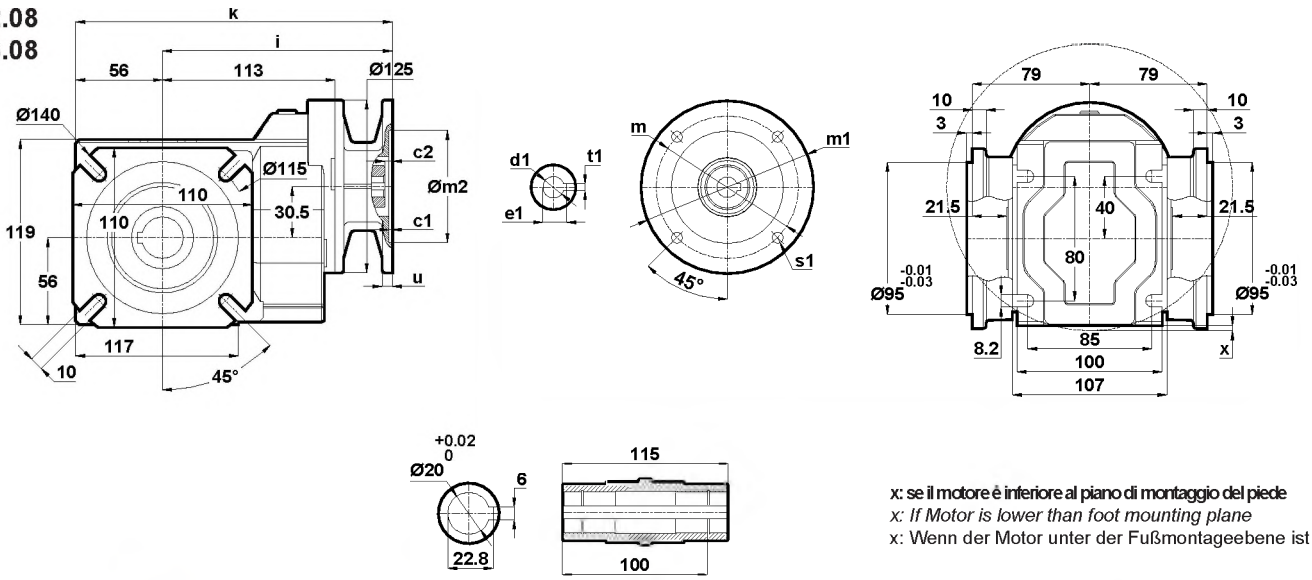
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	156	10	212	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	158	12 10	214	14	5	16.3	-
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -



Tabelle dimensionali
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Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN002.08
KN003.08

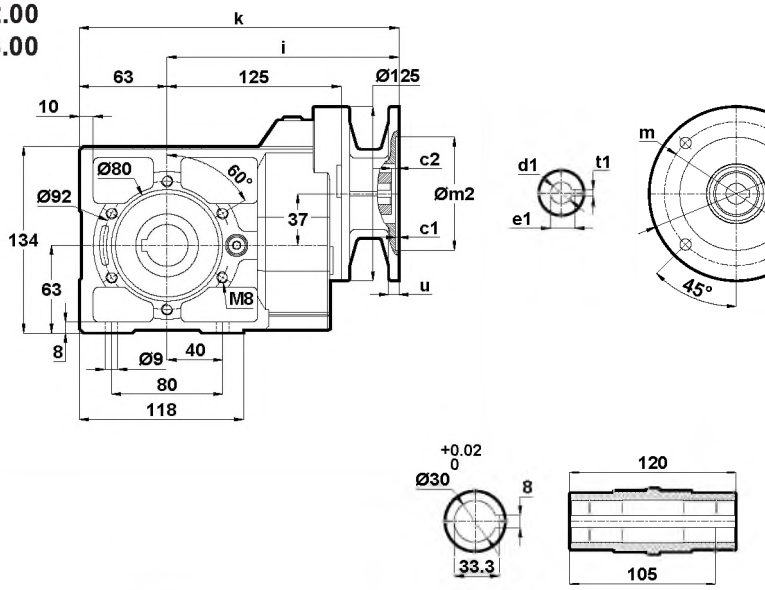


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	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	158	12 10	214	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	173	12	229	19	6	21.8	13.5 -
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	173	12	229	24	8	27.3	13.5 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

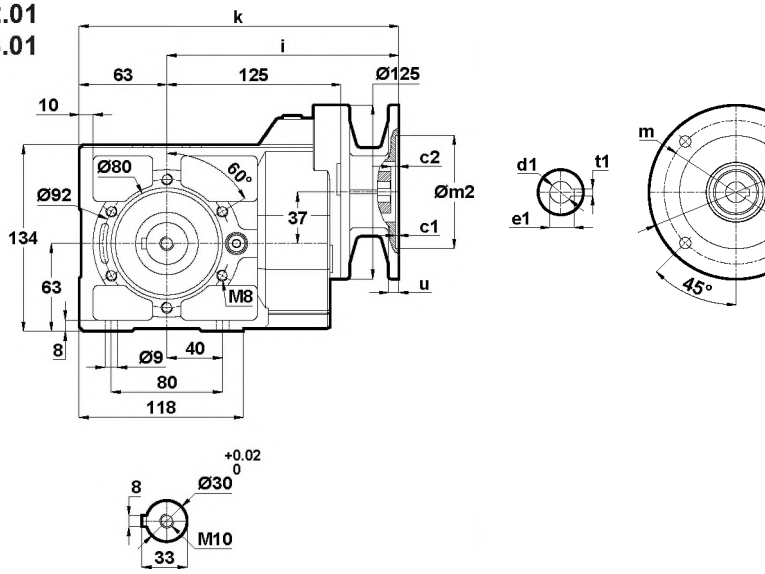
KN102.00
KN103.00



x: se il motore è inferiore al piano di montaggio del piede
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	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

KN102.01
KN103.01

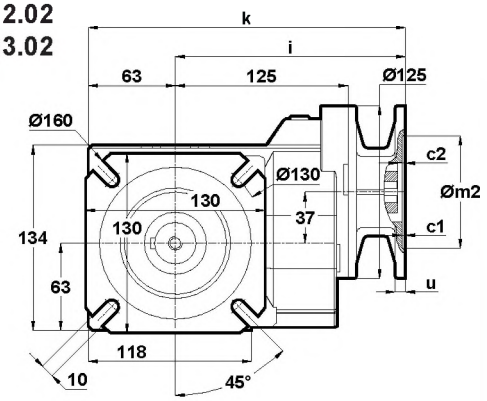


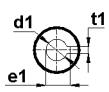
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

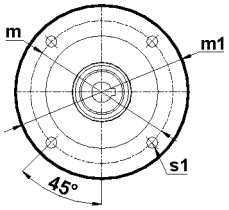
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

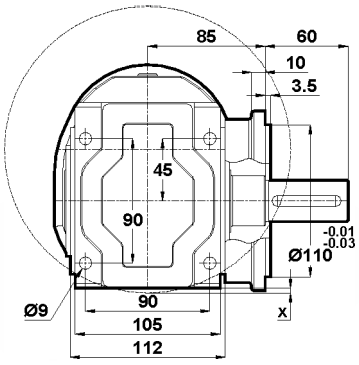
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

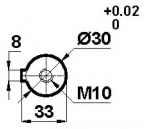
KN102.02
KN103.02







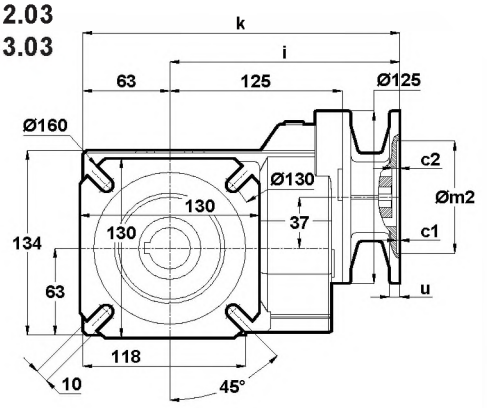


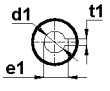


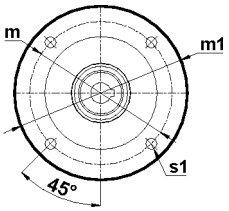
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

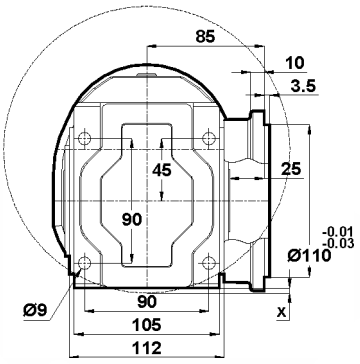
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

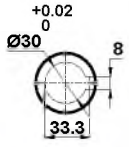
KN102.03
KN103.03

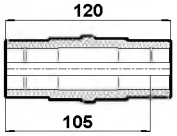










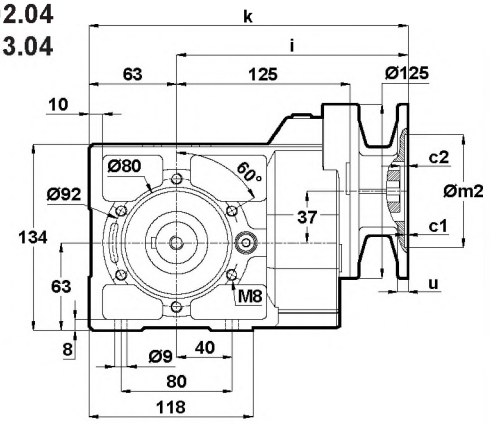


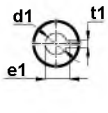
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

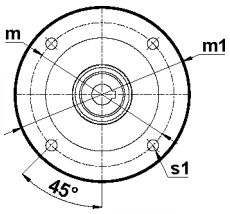
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

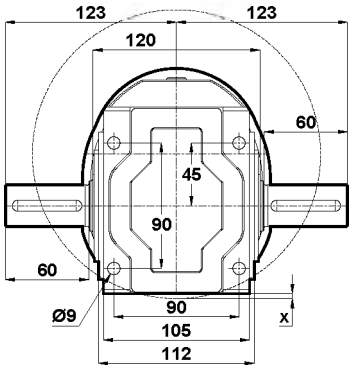
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

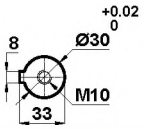
KN102.04
KN103.04







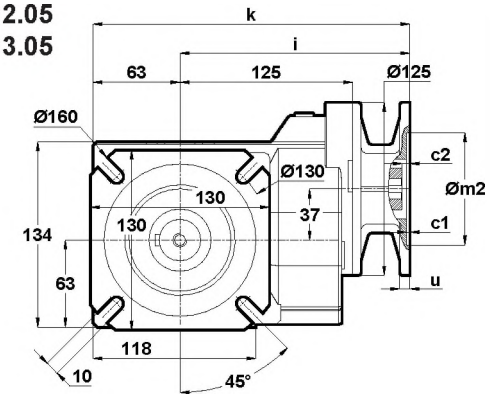


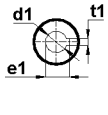


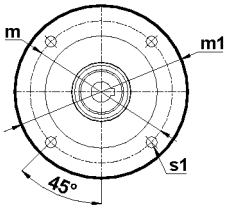
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

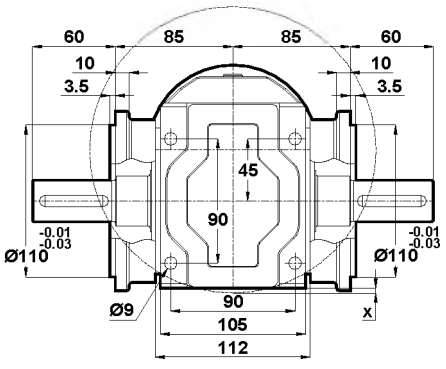
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	168	10	231	11	4	12.8	-
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

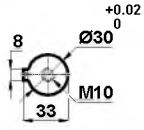
KN102.05
KN103.05









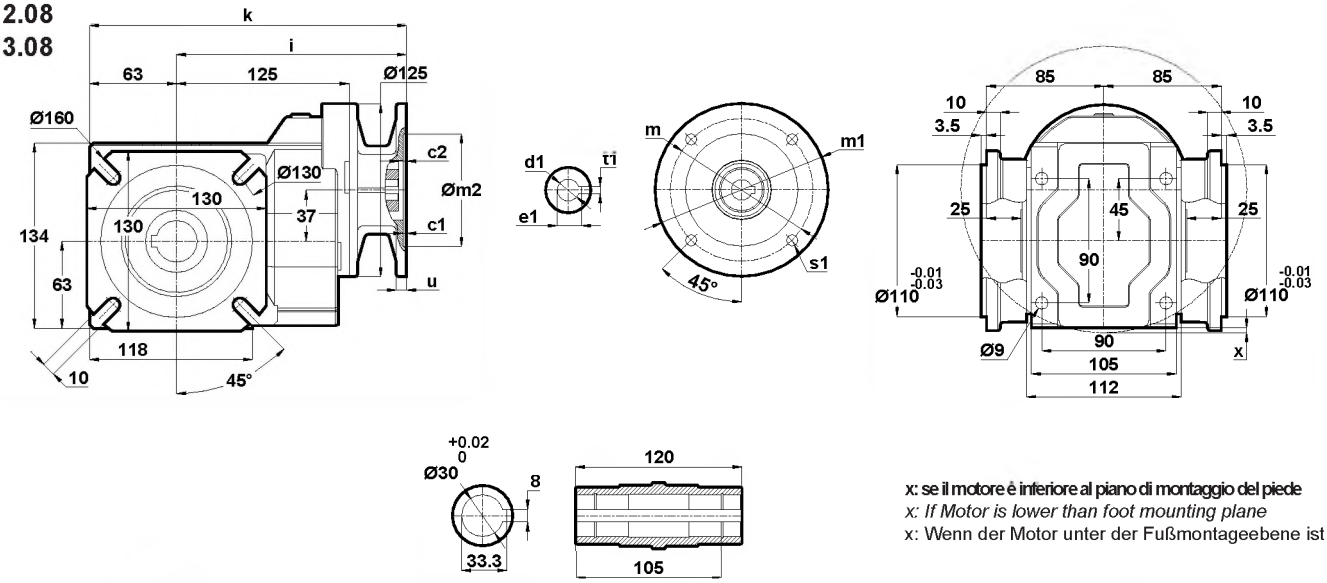


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	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	170	12 10	233	14	5	16.3	-
80/B5 80/B14	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 90/B14	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN102.08
KN103.08

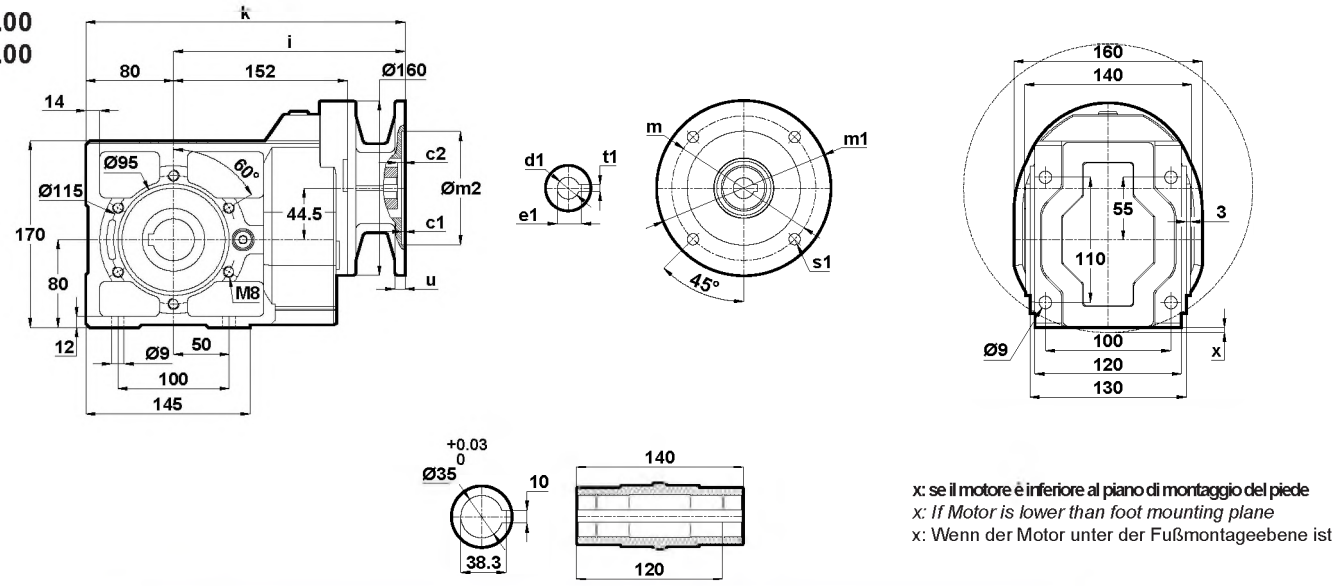


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	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	170	12 10	233	14	5	16.3	-
80/B5 **80/B14**	4	5 4.7	12 7	165 100	200 120	130 80	185	12	248	19	6	21.8	-
90/B5 **90/B14**	4	5 4.7	12 9	165 115	200 140	130 95	185	12	248	24	8	27.3	-

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

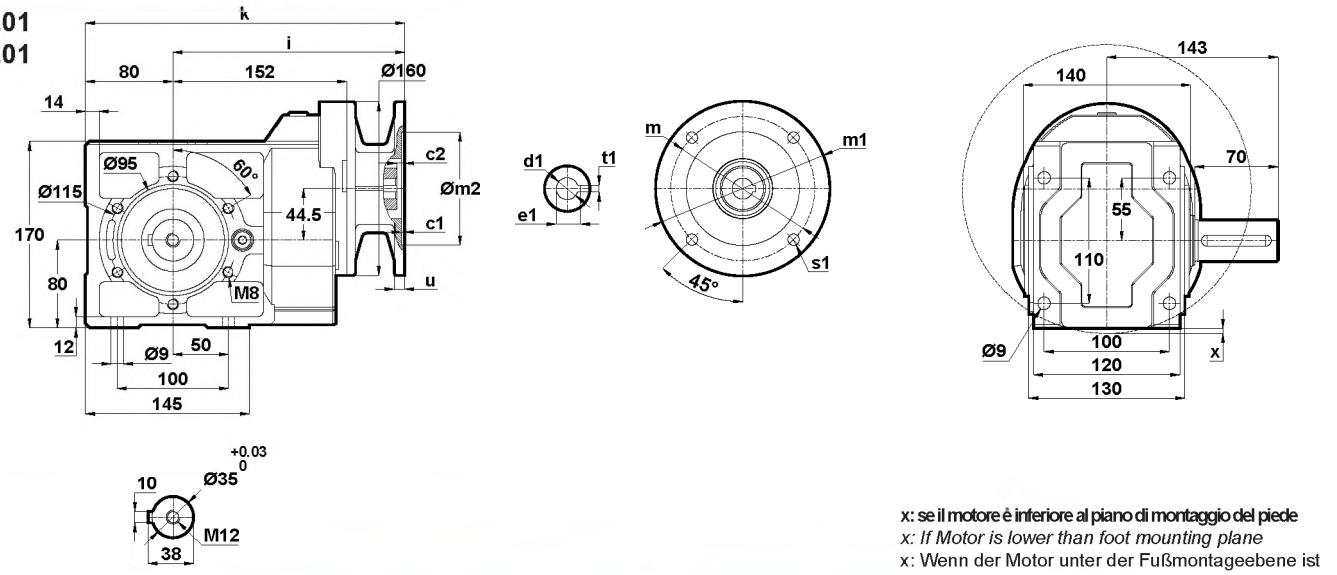
KN202.00
KN203.00



x: se il motore è inferiore al piano di montaggio del piede
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	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

KN202.01
KN203.01



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

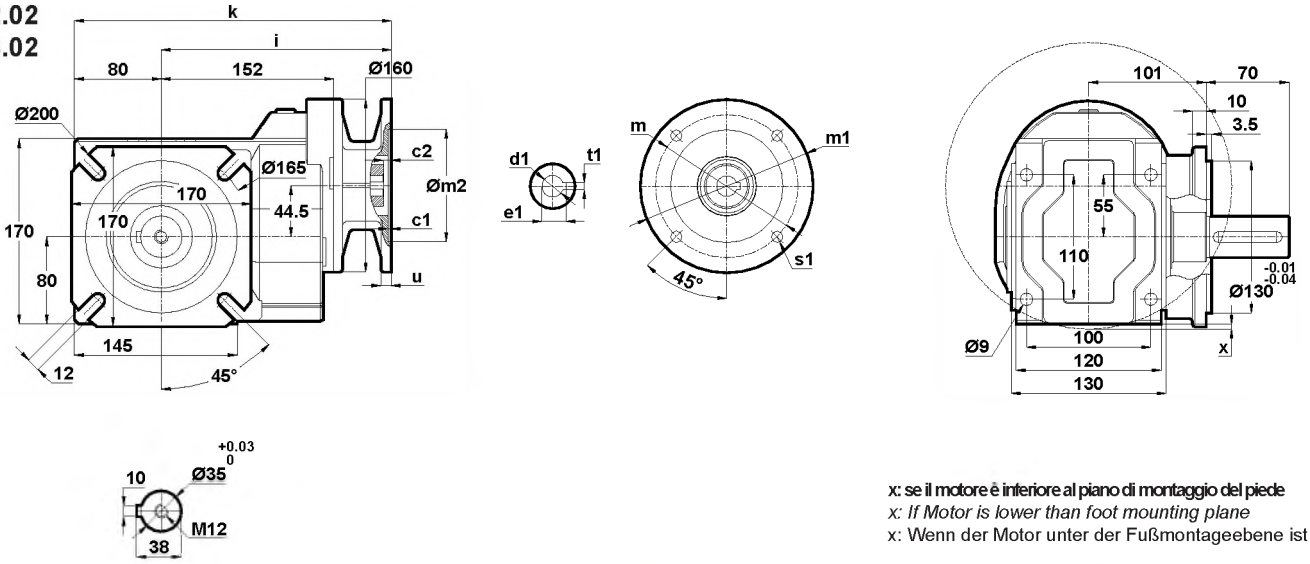
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

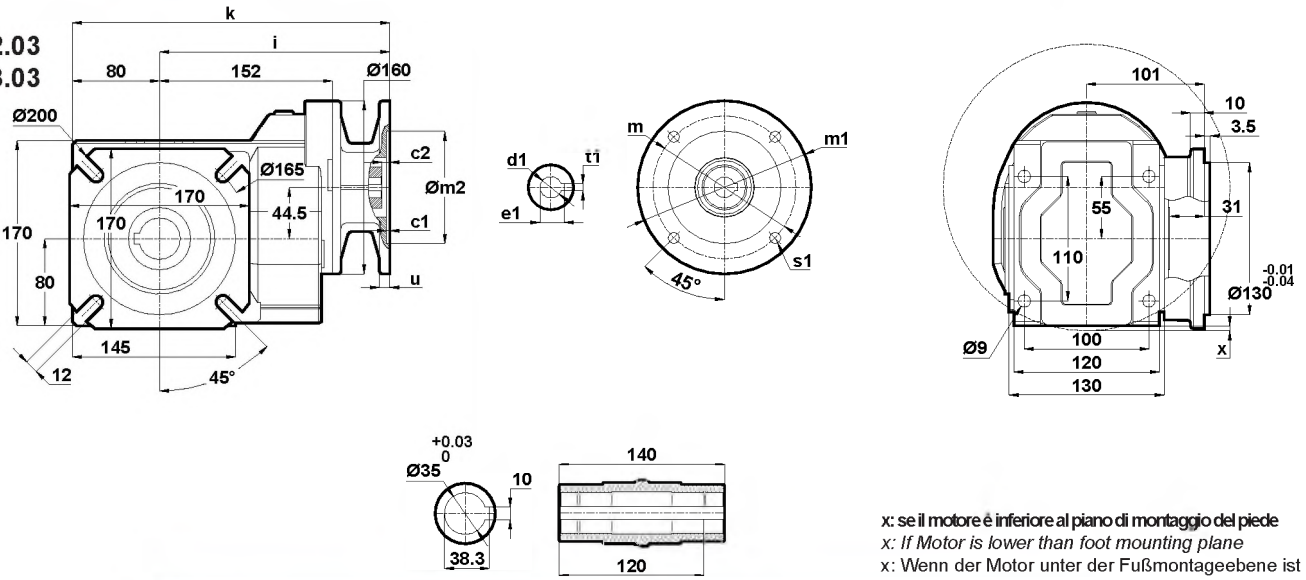
KN202.02
KN203.02



x: se il motore è inferiore al piano di montaggio del piede
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	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

KN202.03
KN203.03

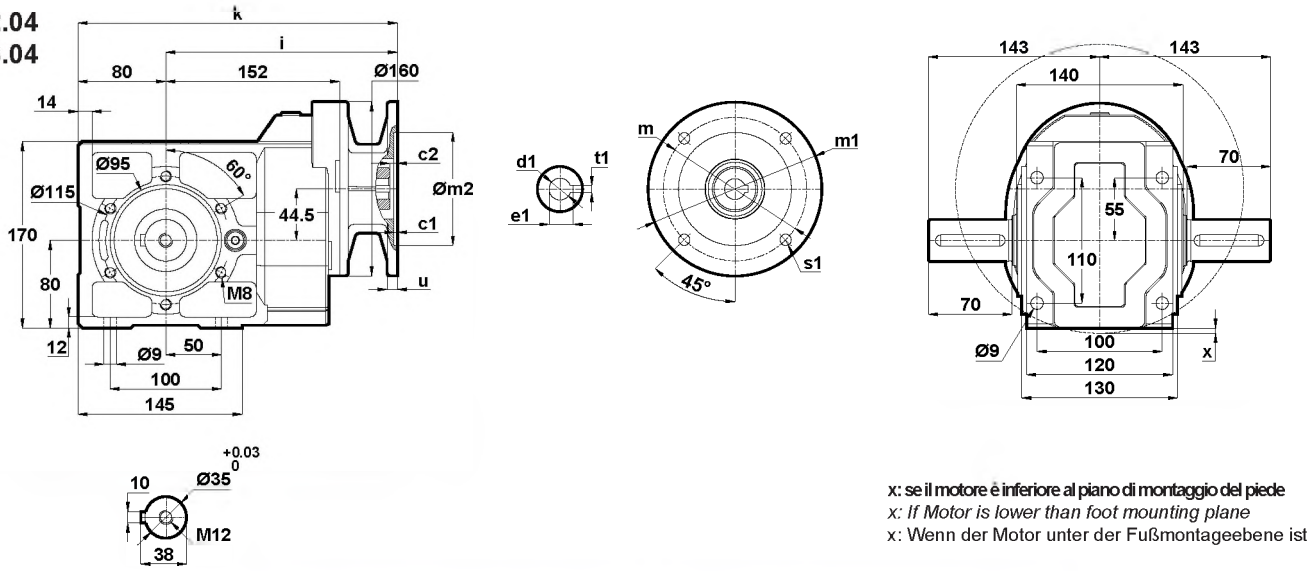


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

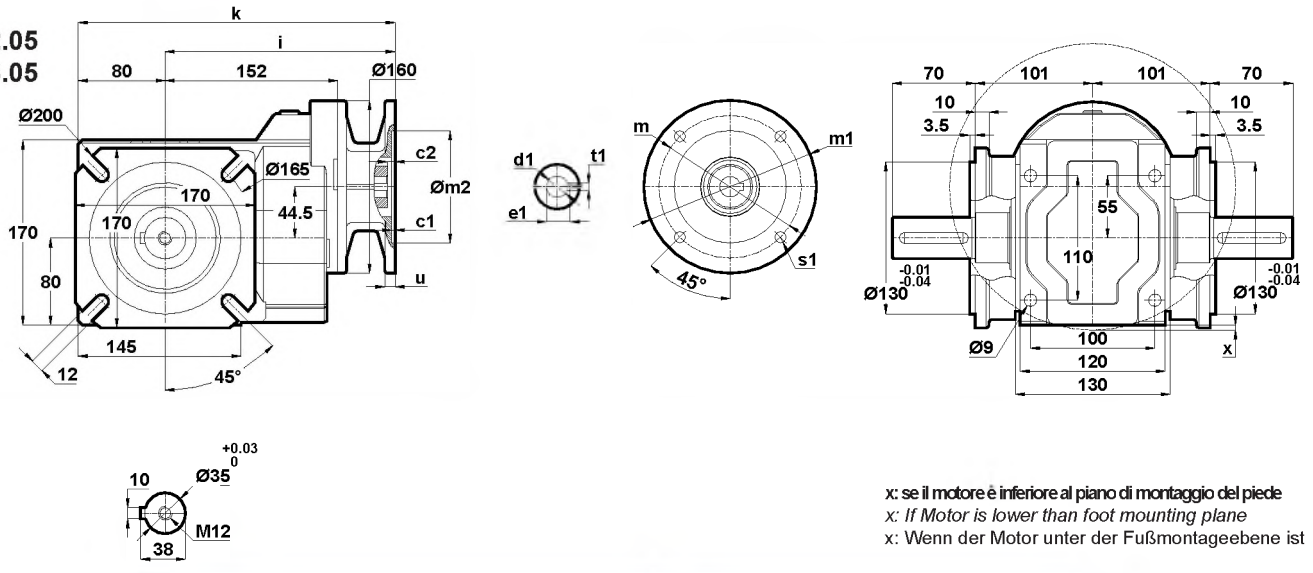
KN202.04
KN203.04



x: se il motore è inferiore al piano di montaggio del piede
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	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

KN202.05
KN203.05

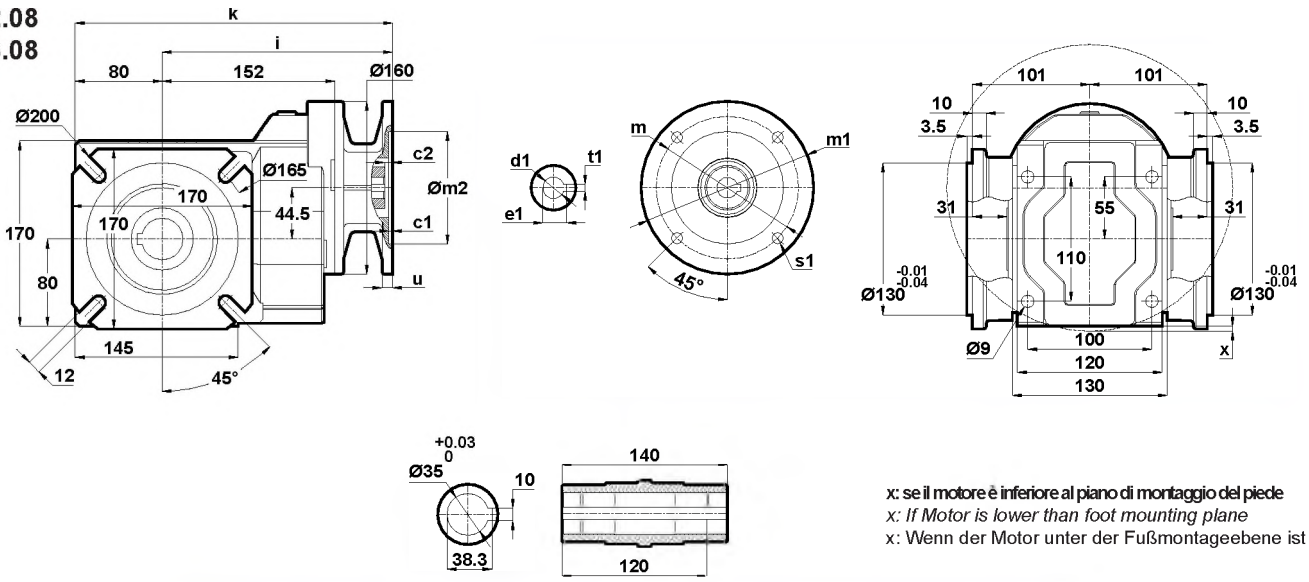


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN202.08
KN203.08

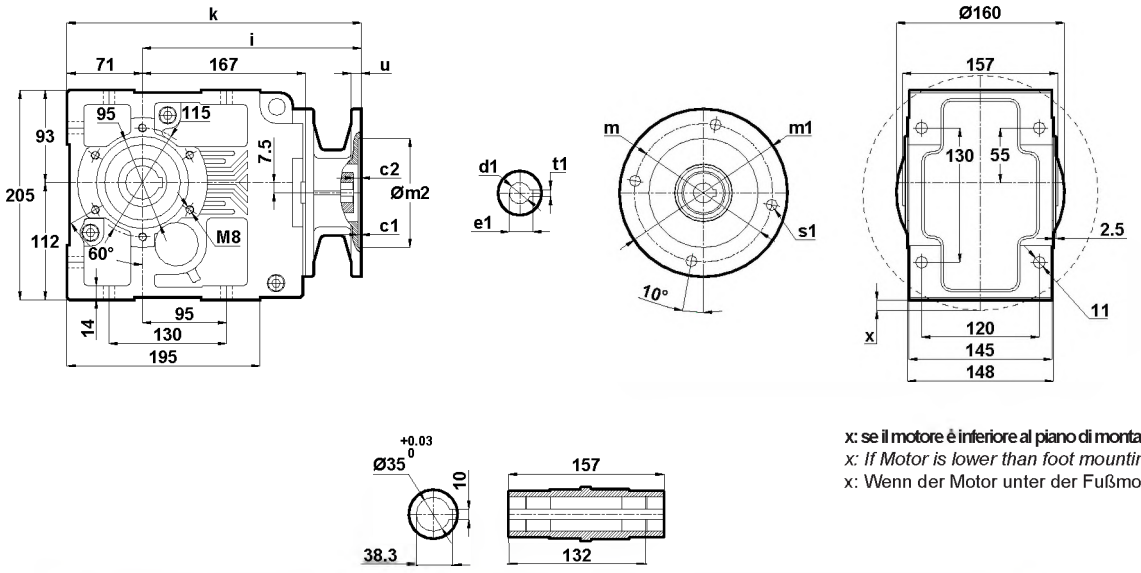


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	l	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	226	12	306	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	197	12 10	277	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	226	12	306	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	226	12	306	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	219	12	299	28	8	31.3	0.5 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

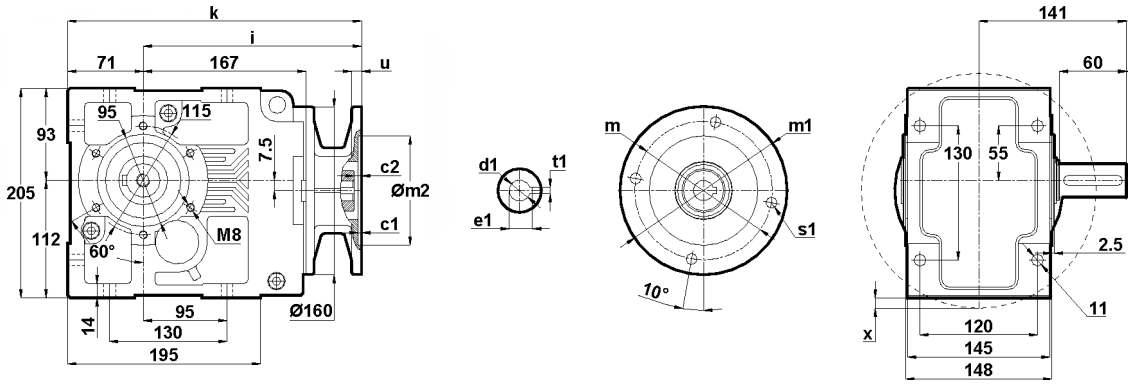
KN273.00

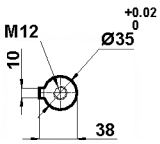


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

KN273.01





x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

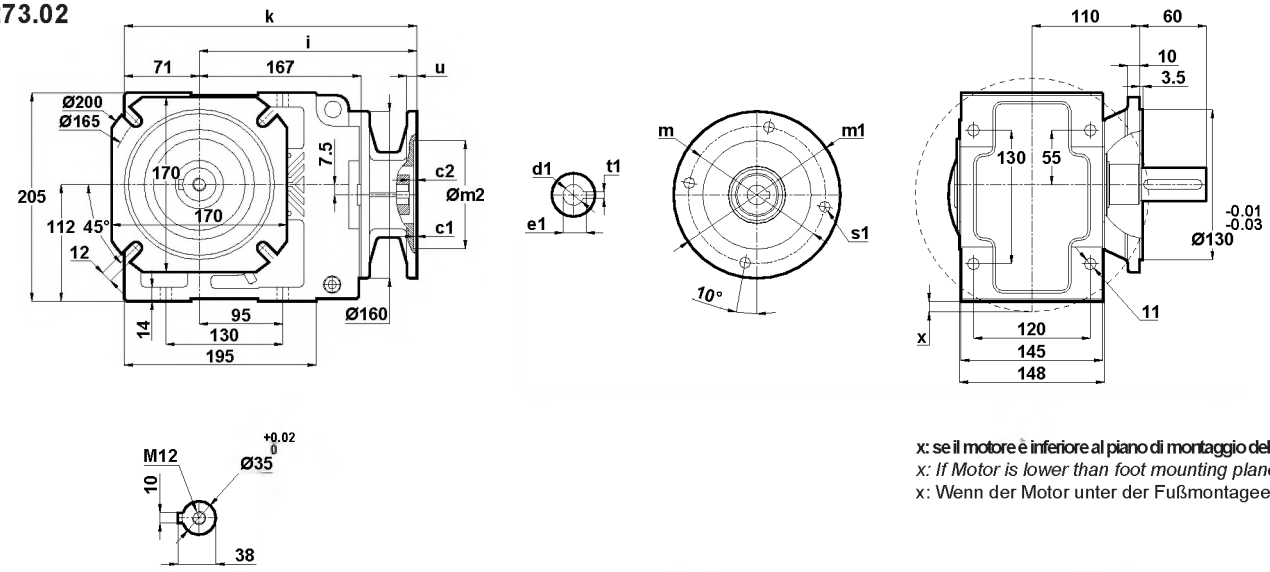
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

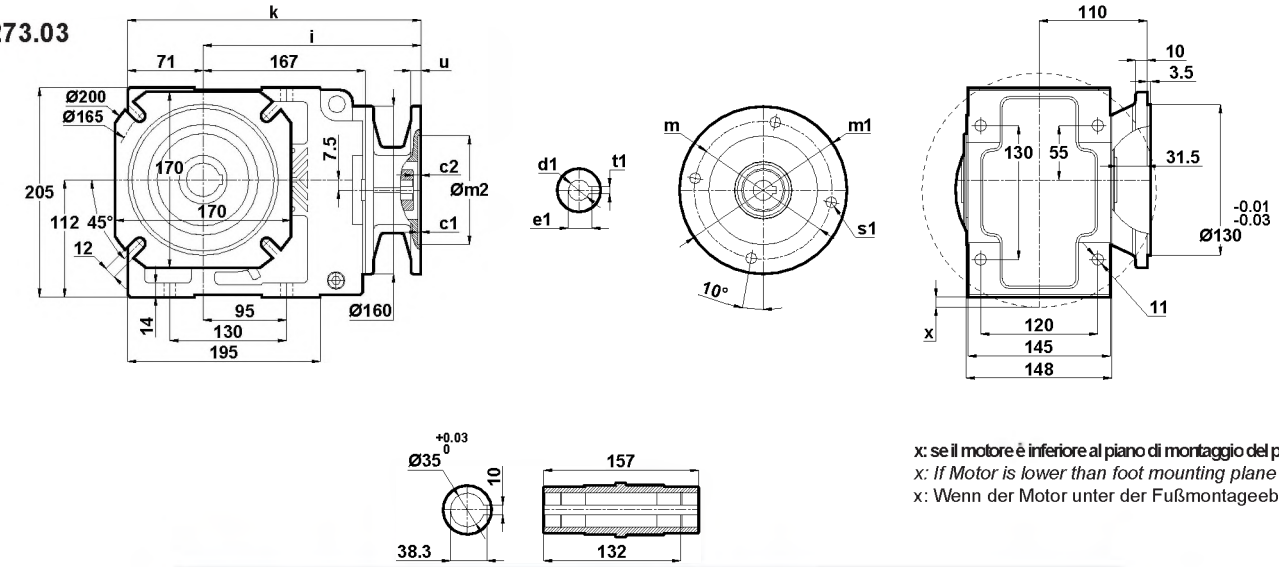
KN273.02



x: se il motore è inferiore al piano di montaggio del piede
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	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

KN273.03



x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

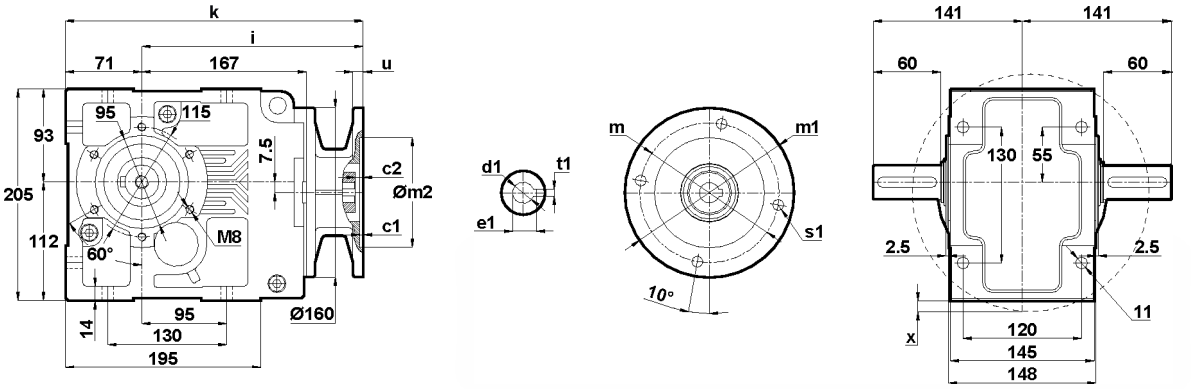
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

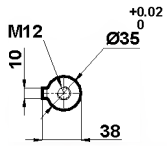


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN273.04

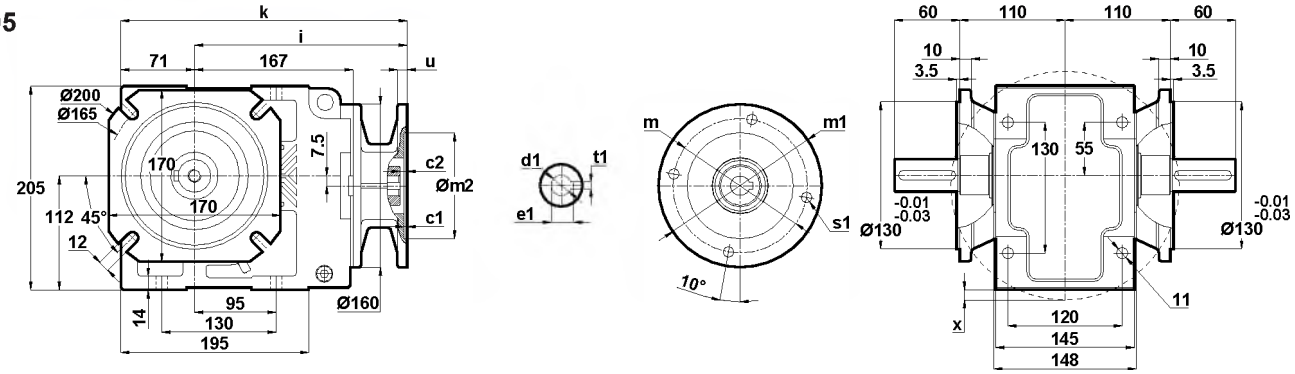


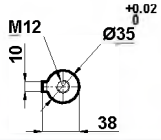


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

KN273.05



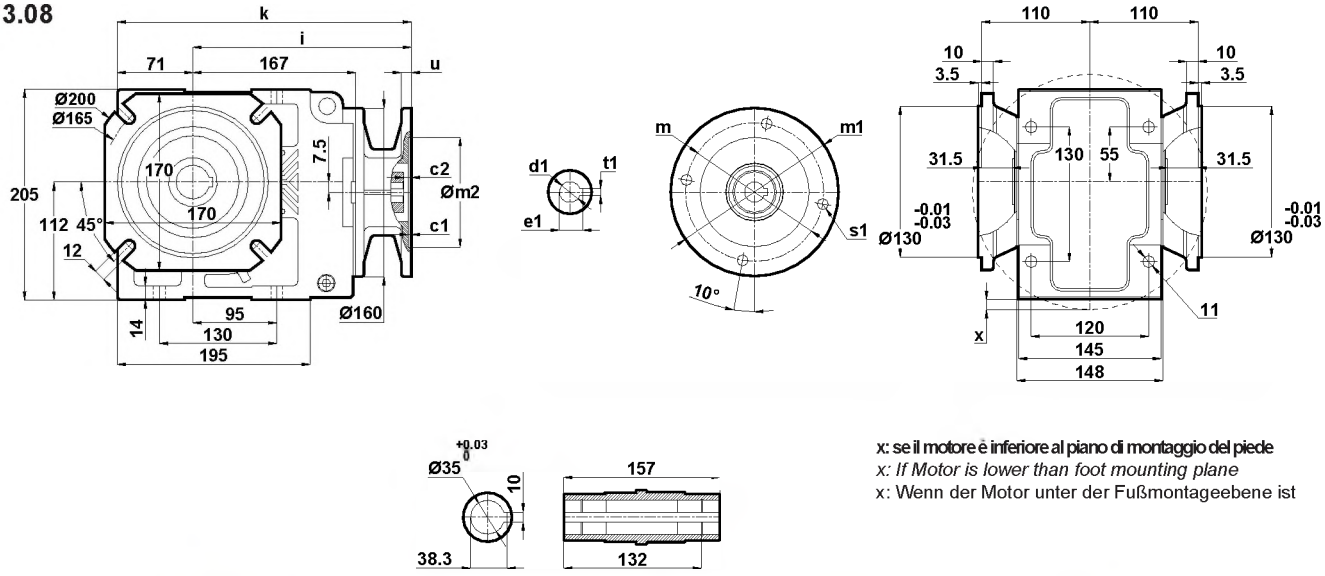


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN273.08

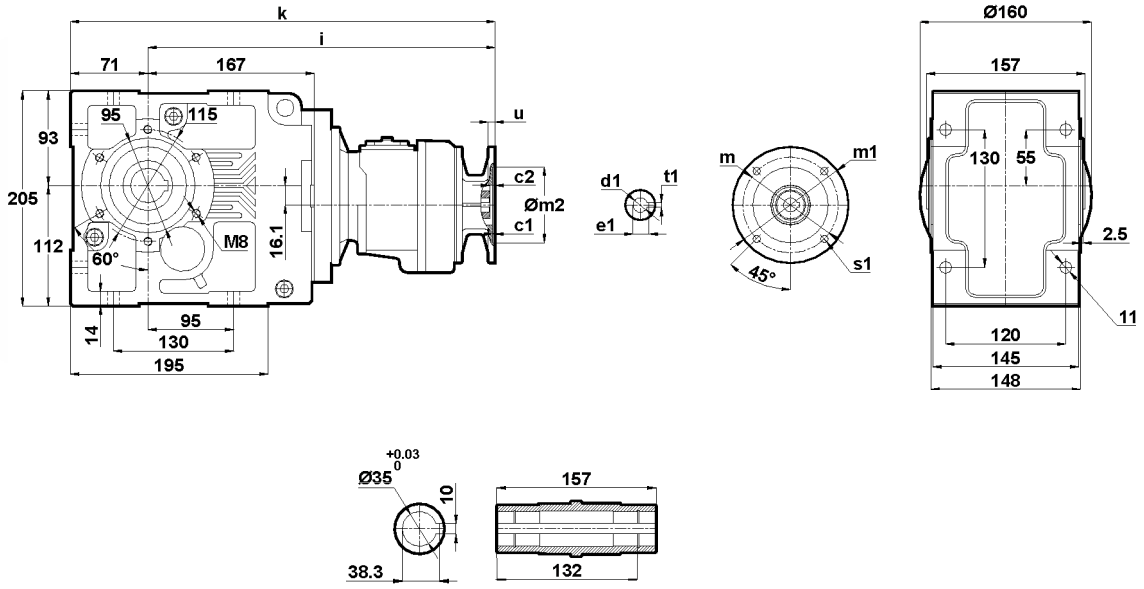


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
63/B5	3.5	8	9	115	140	95	241	12	312	11	4	12.8	-
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	212	12 10	283	14	5	16.3	-
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	241	12	312	19	6	21.8	-
90/B5 **90//B5**	4	5	12 9	165 115	200 140	130 95	241	12	312	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -
112/B5 **112/B14**	4.5 3.5	5.5	15 9	215 130	250 160	180 110	234	12	305	28	8	31.3	20.5 -

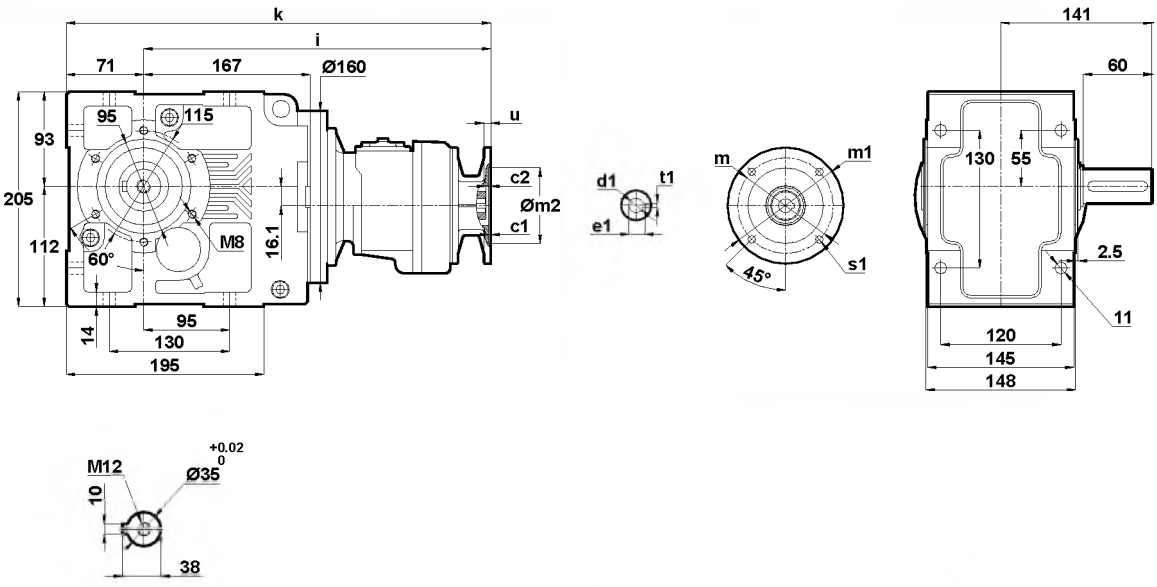
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN275.00
KN276.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

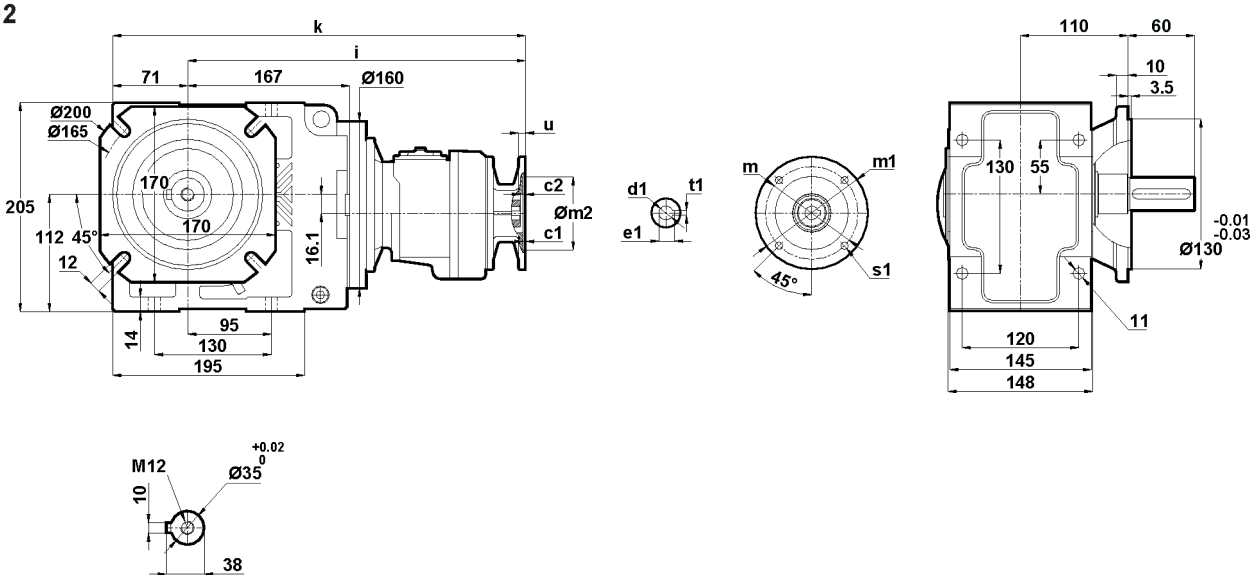
KN275.01
KN276.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

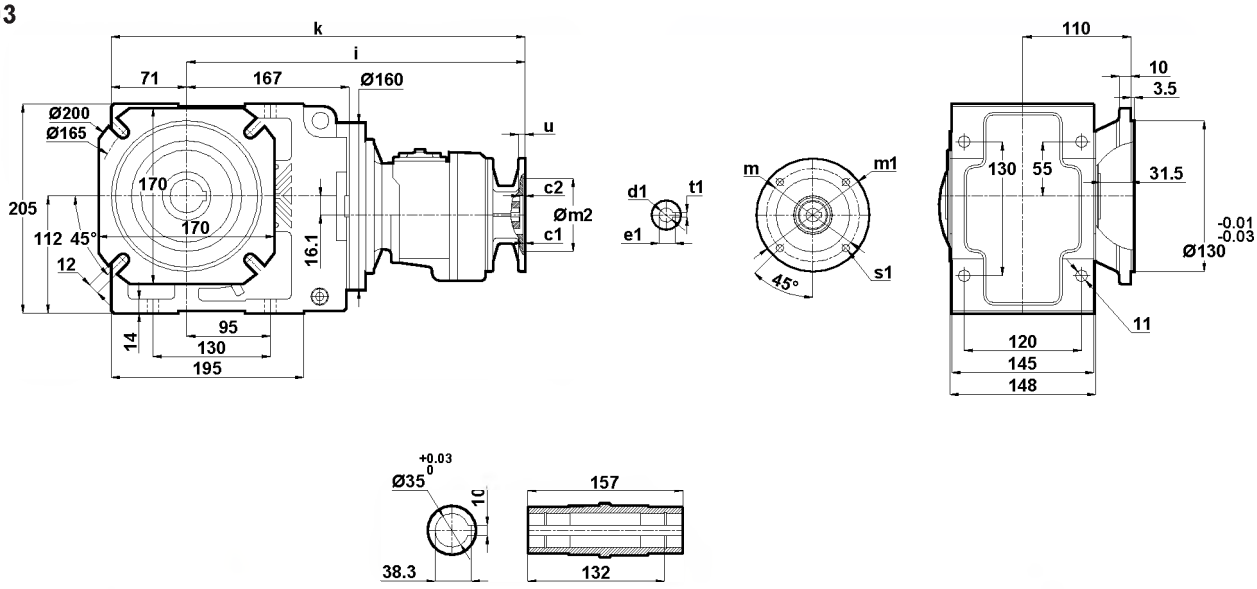
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN275.02
KN276.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

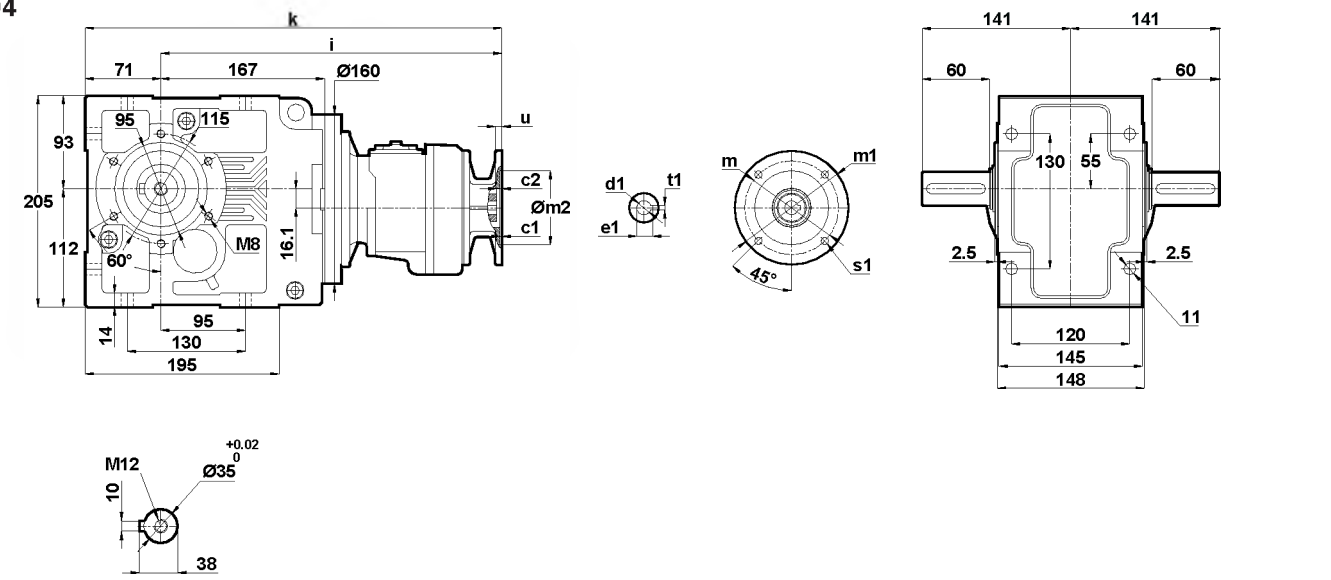
KN275.03
KN276.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

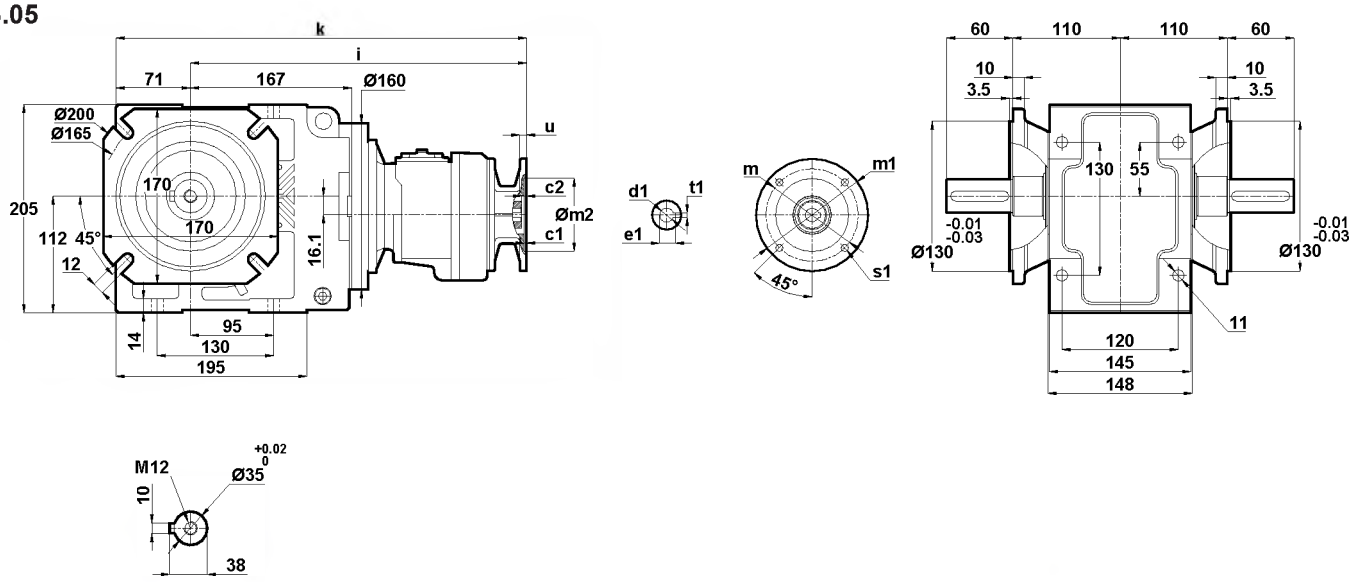
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN275.04
KN276.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

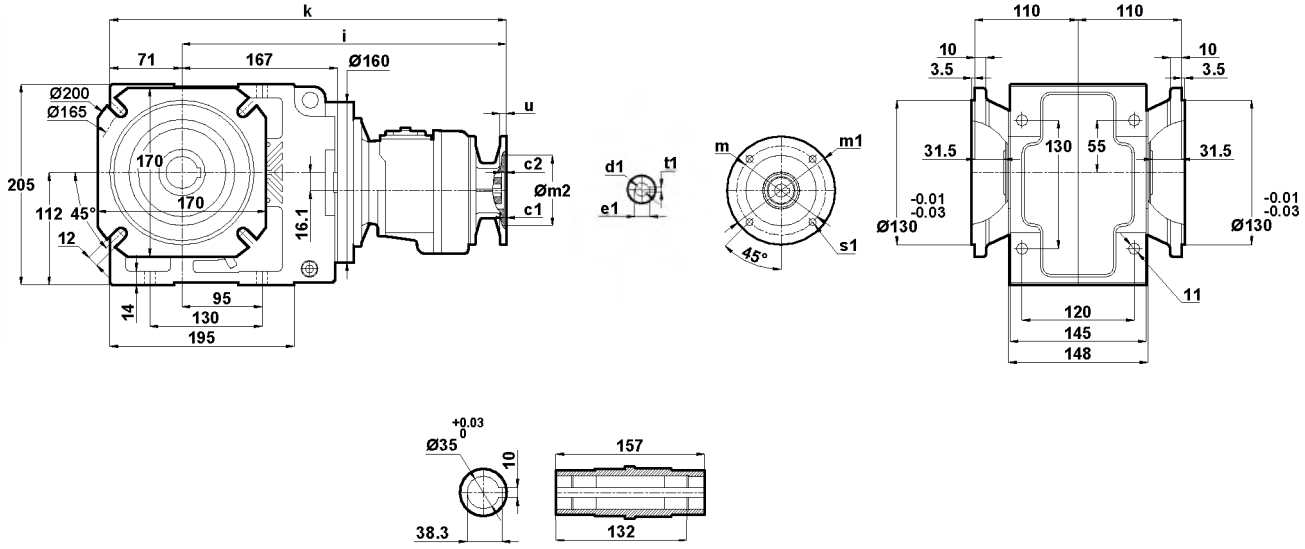
KN275.05
KN276.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

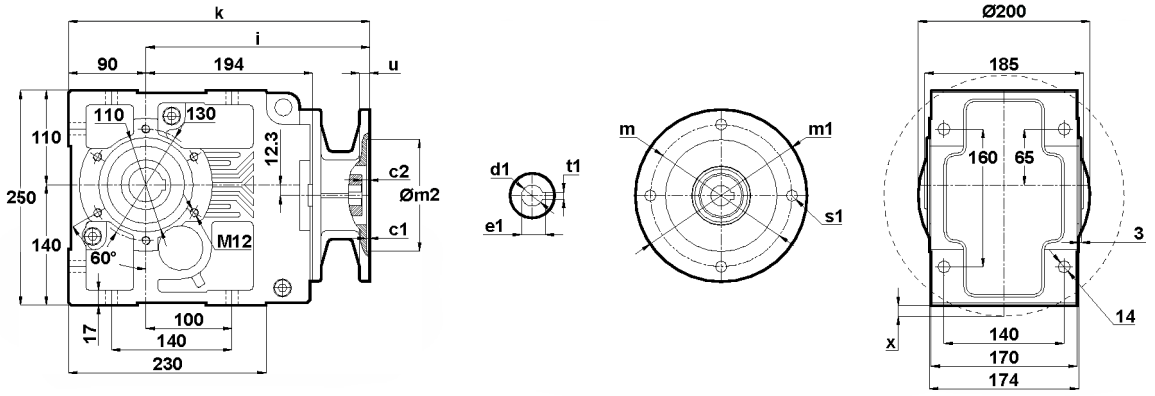
KN275.08
KN276.08

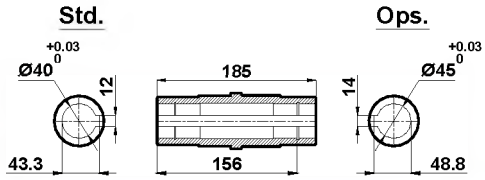


	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	356	10	427	11	4	12.8
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	358	12 10	429	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	373	12	444	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN373.00

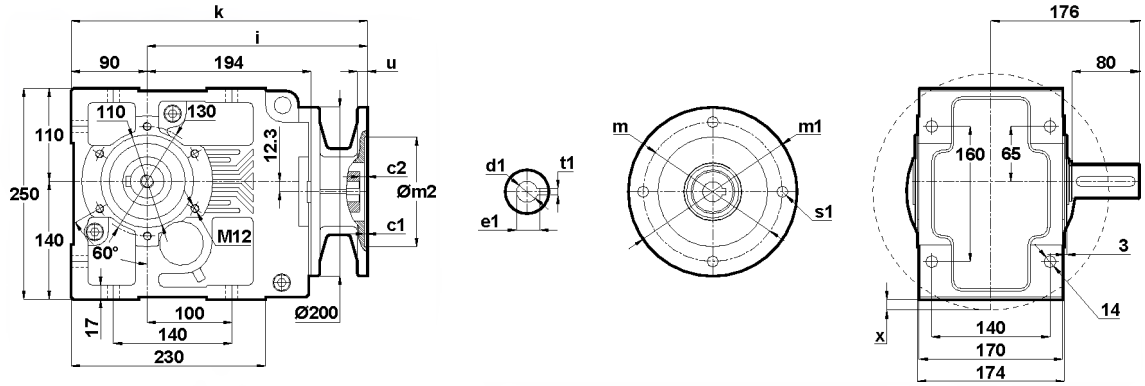


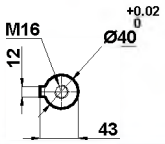


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

KN373.01





x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

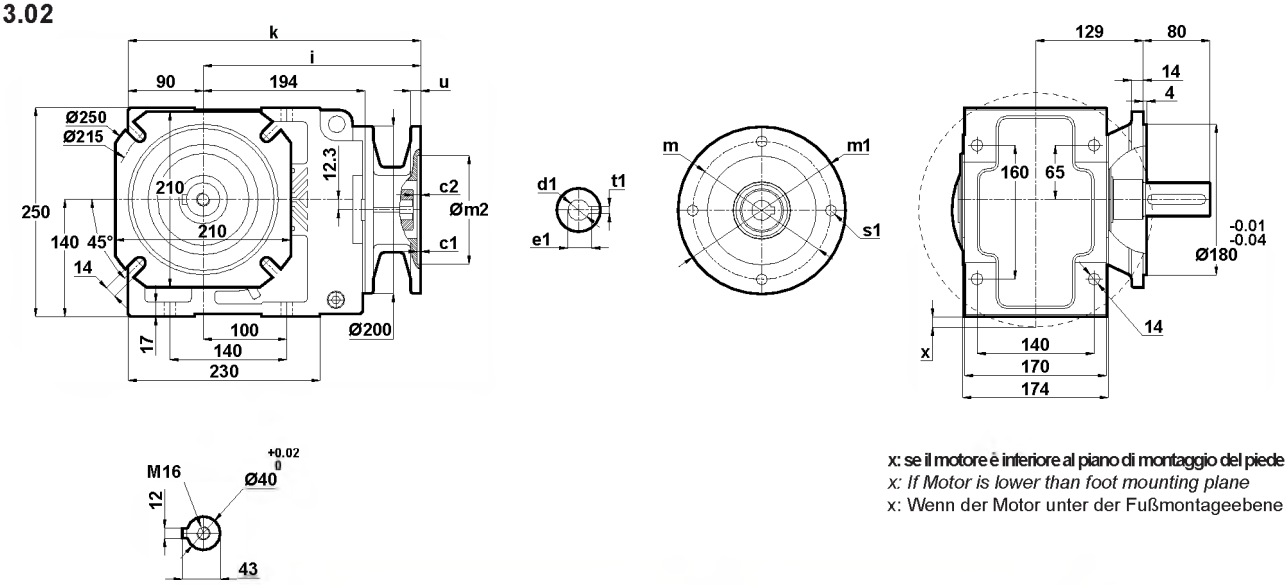
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

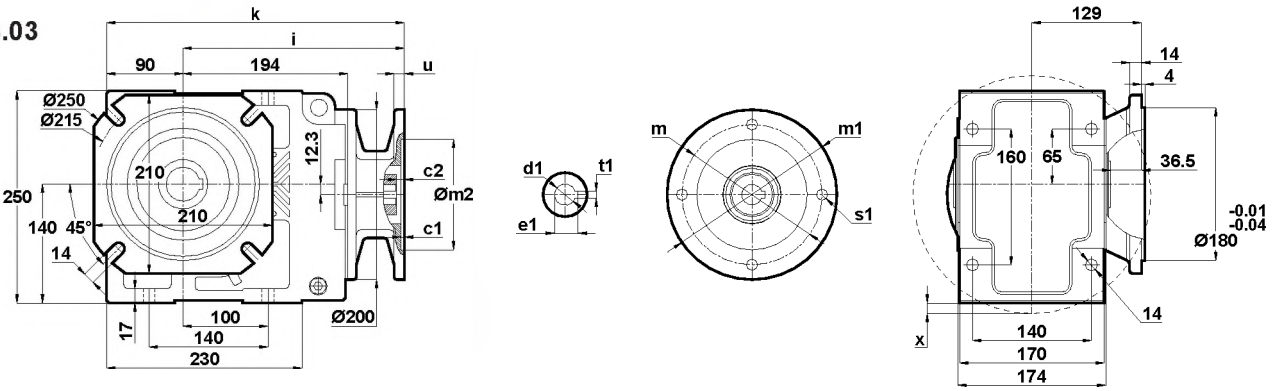
KN373.02



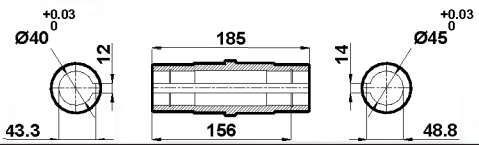
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

KN373.03



Std. **Ops.**

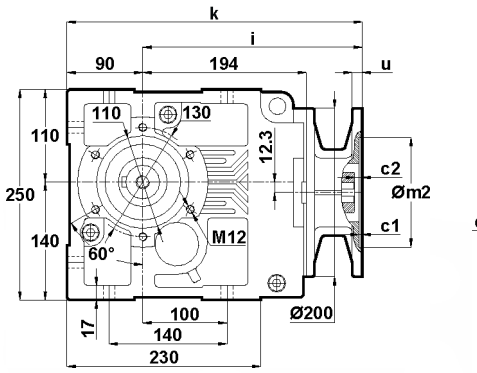


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

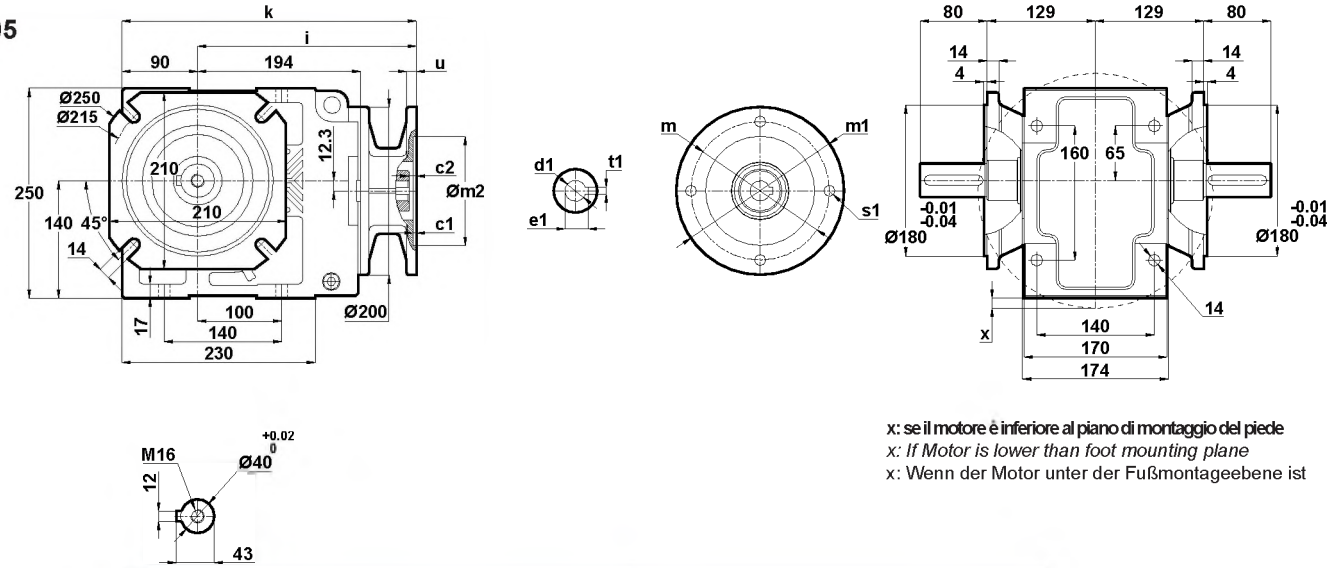
KN373.04



x: se il motore è inferiore al piano di montaggio del piede
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	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

KN373.05

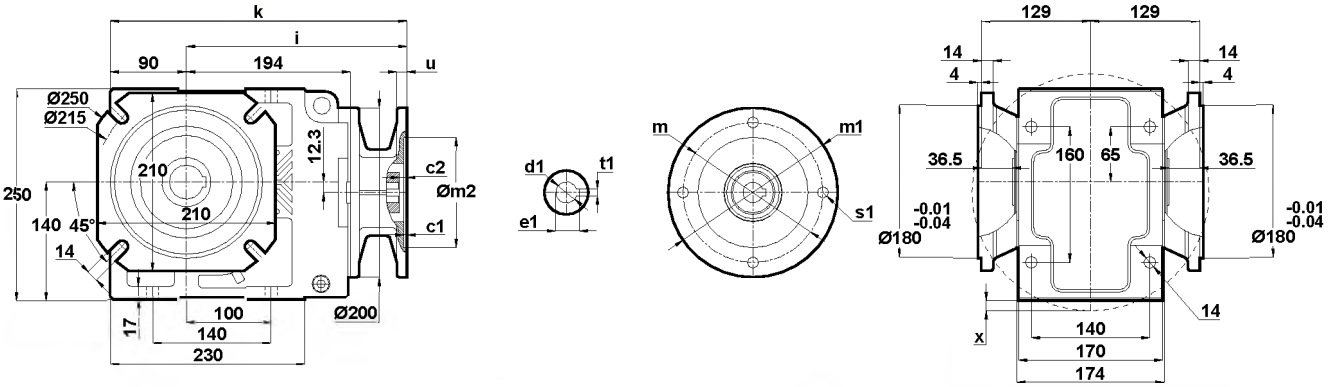


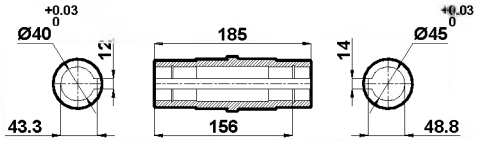
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN373.08



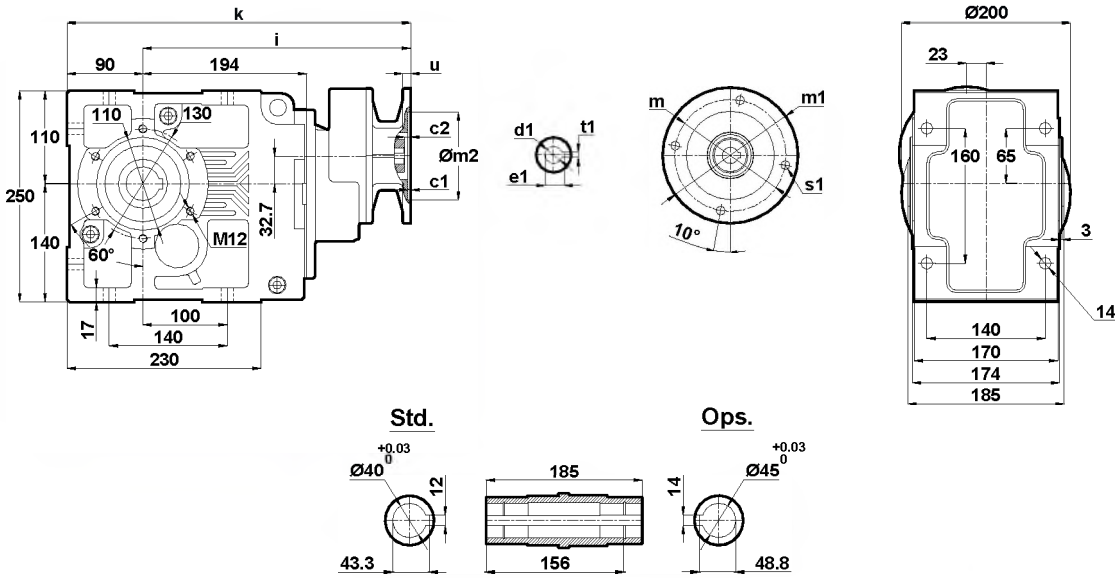


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
71/B5	4	9	11	130	160	110	261	12	351	14	5	16.3	-
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	261	12	351	19	6	21.8	-
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	261	12	351	24	8	27.3 26.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	278	15	368	28	8	31.3	-
132/B5 **132/B14**	4.5	7 9	15 11	265 165	300 200	230 130	298	15	388	38	10	41.3	22.3 -

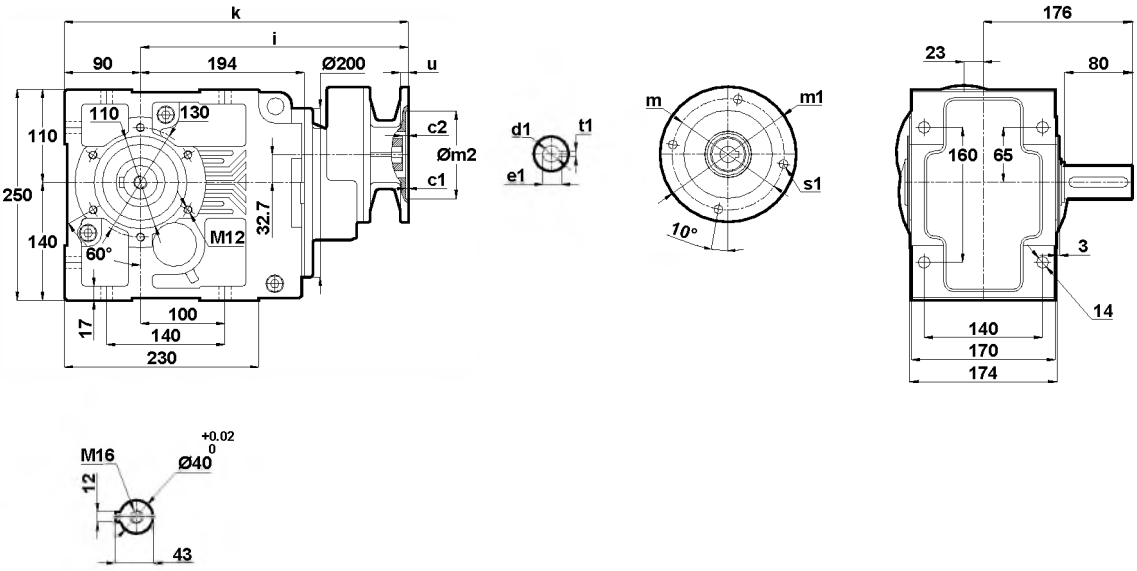
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN374.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

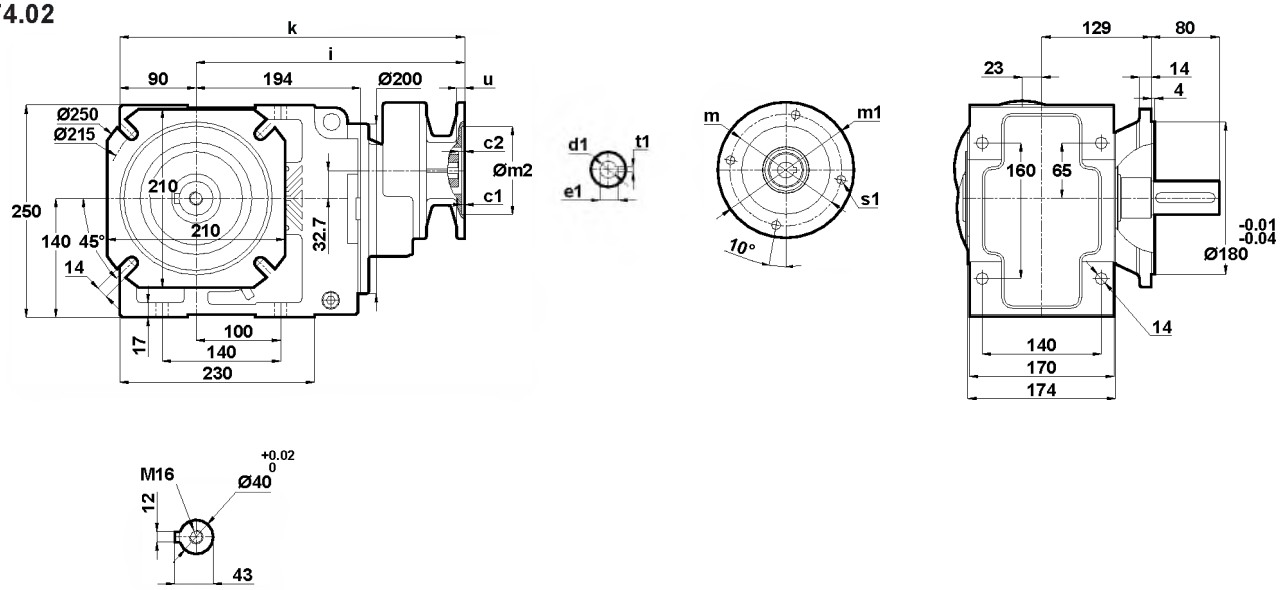
KN374.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

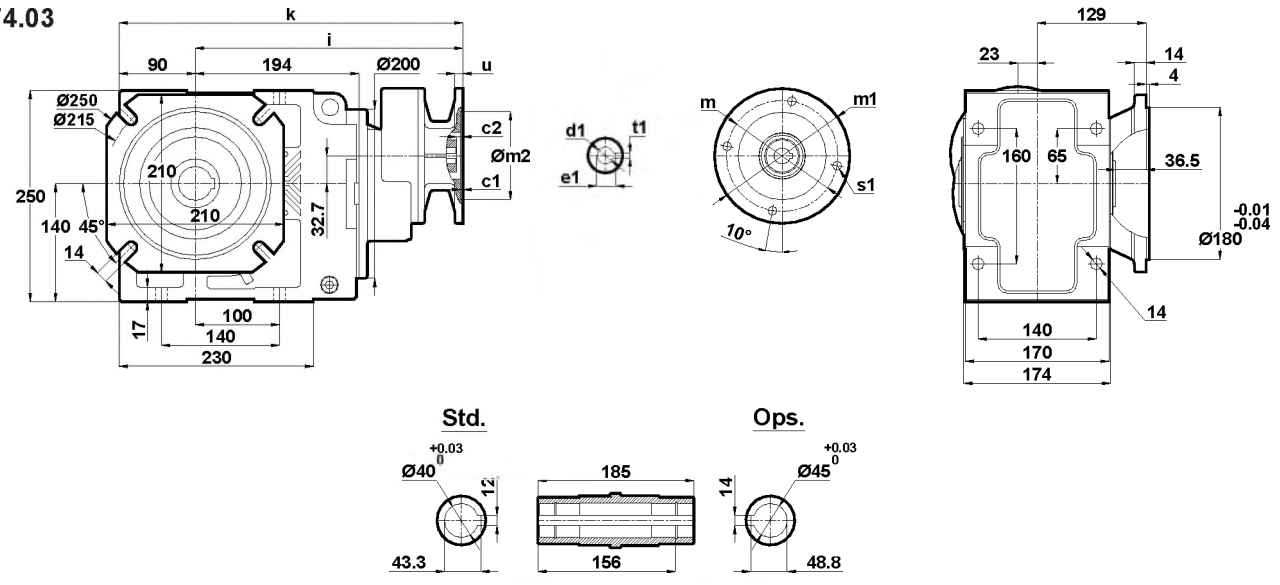
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN374.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

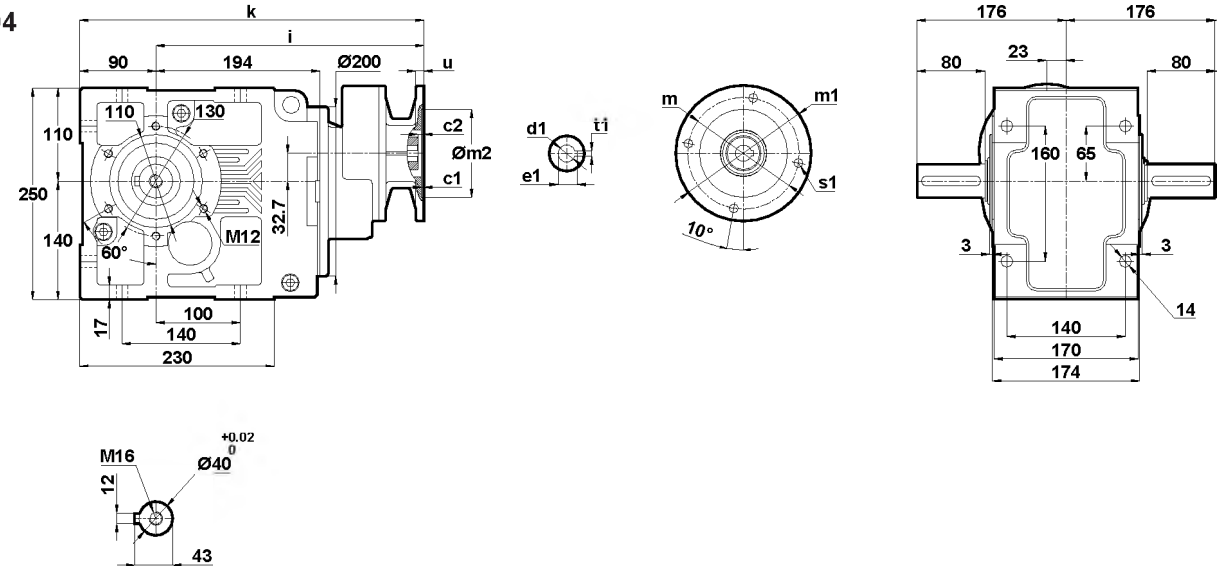
KN374.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

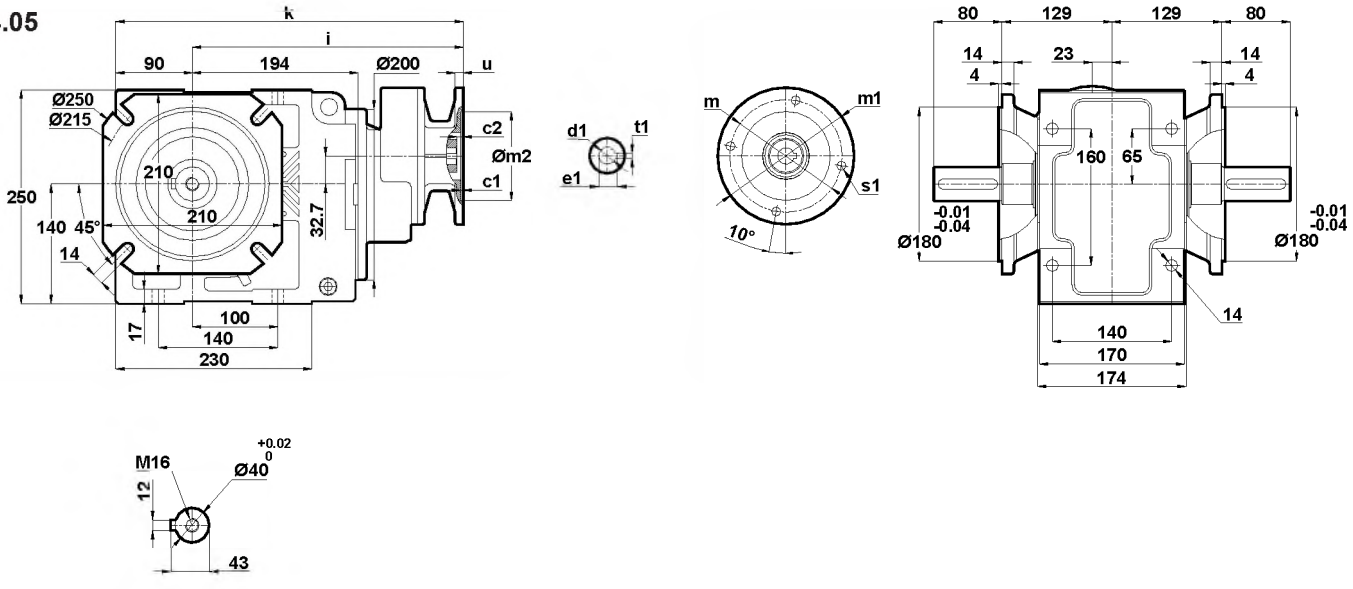
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN374.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

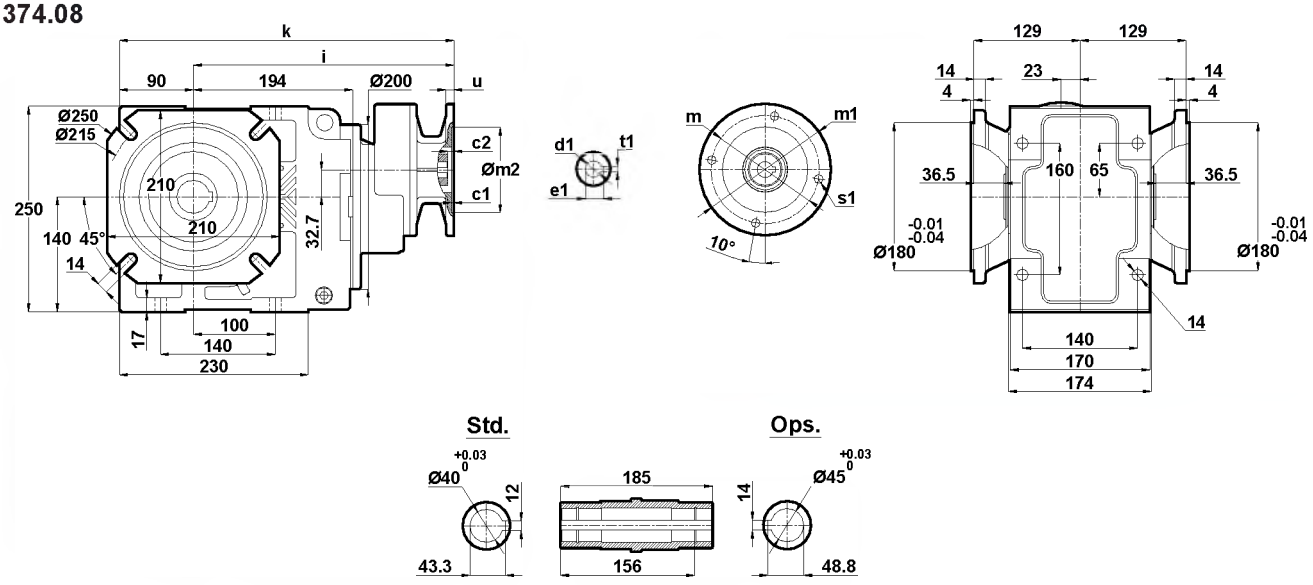
KN374.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

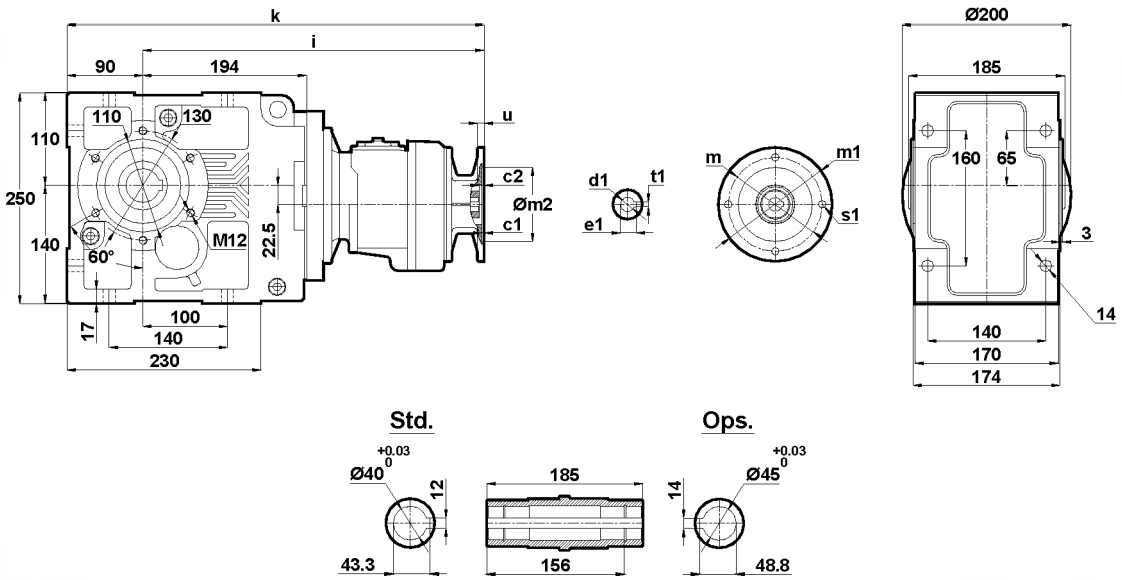
KN374.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	338	12	428	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	309	12 10	399	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	338	12	428	19	6	21.8

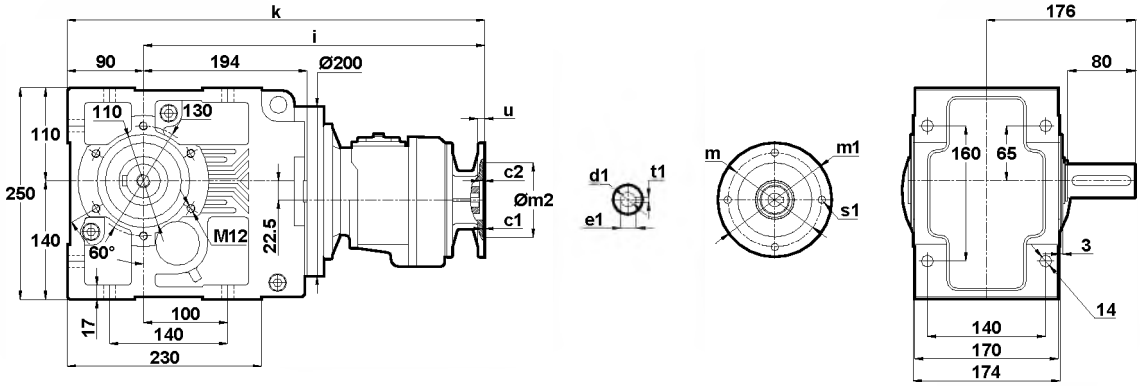
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

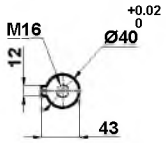
KN375.00
KN376.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

KN375.01
KN376.01

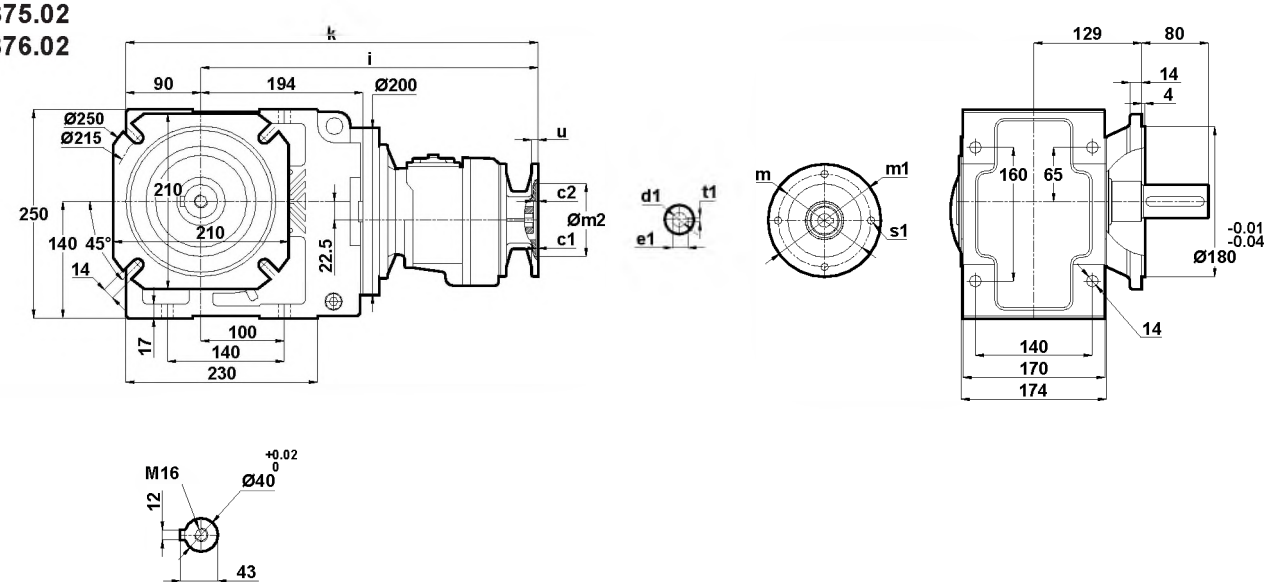




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

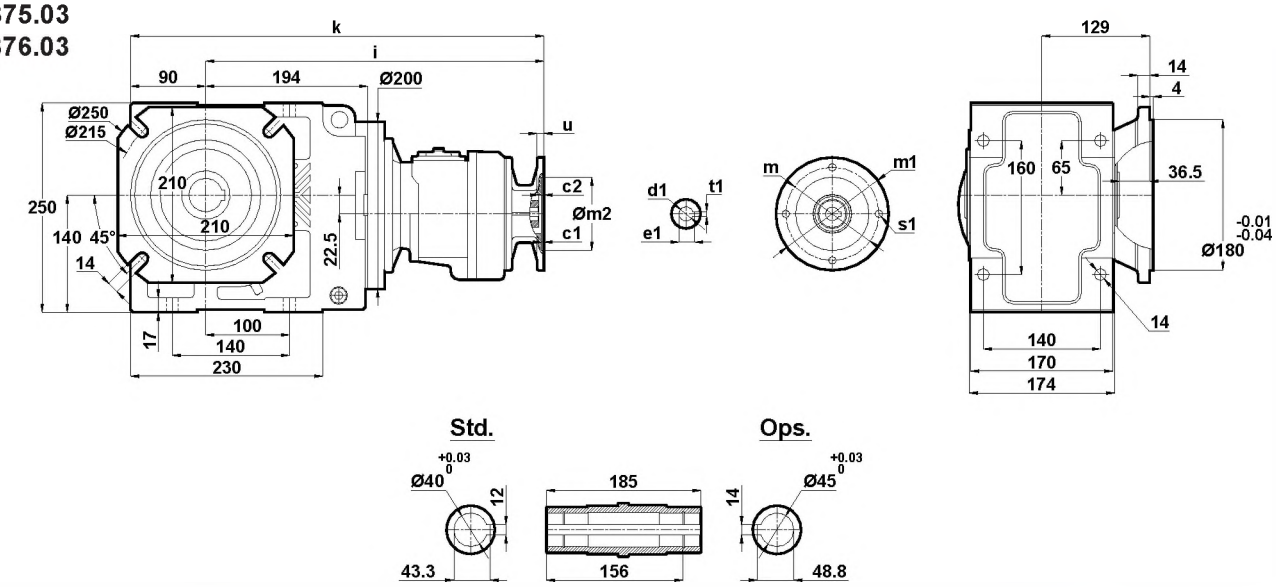
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN375.02
KN376.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

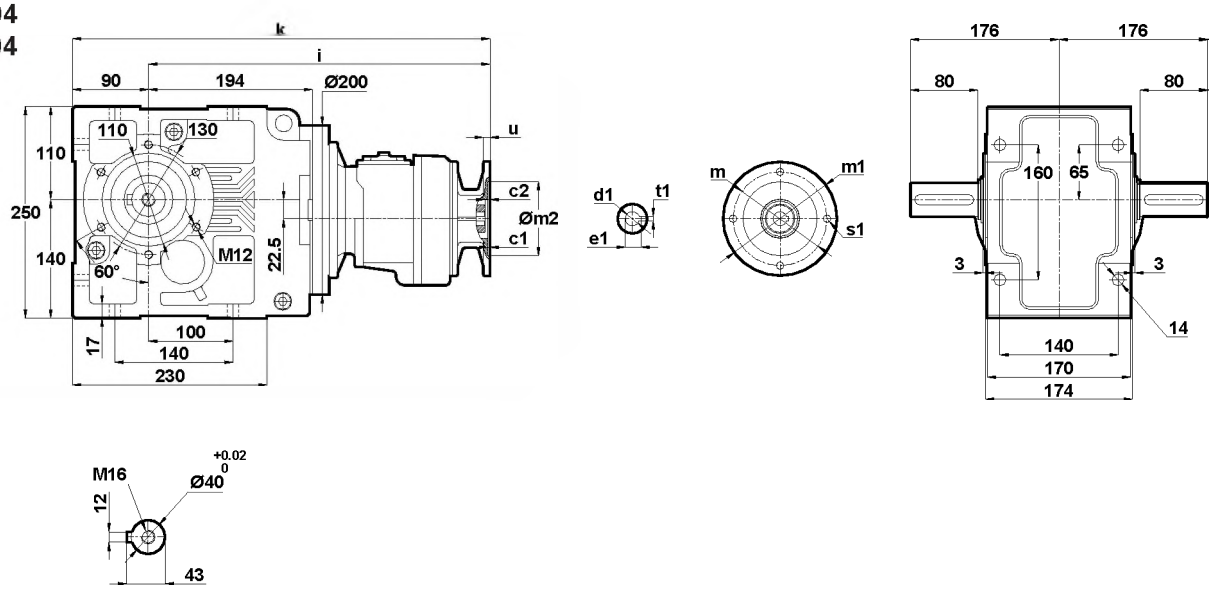
KN375.03
KN376.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

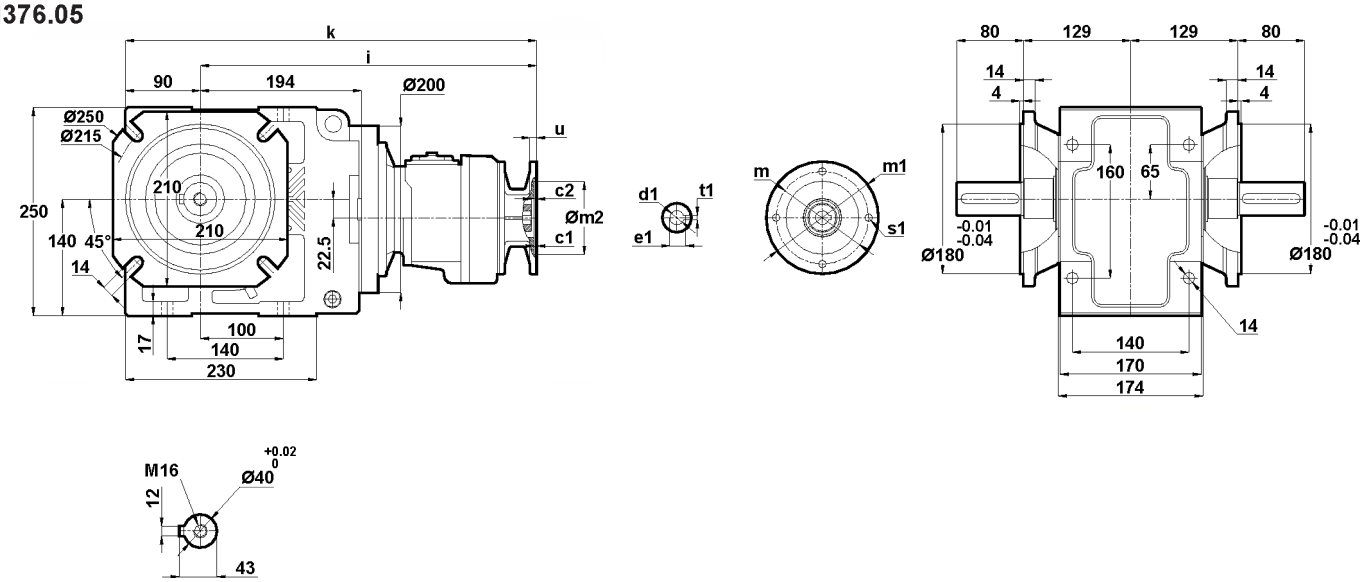
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN375.04
KN376.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

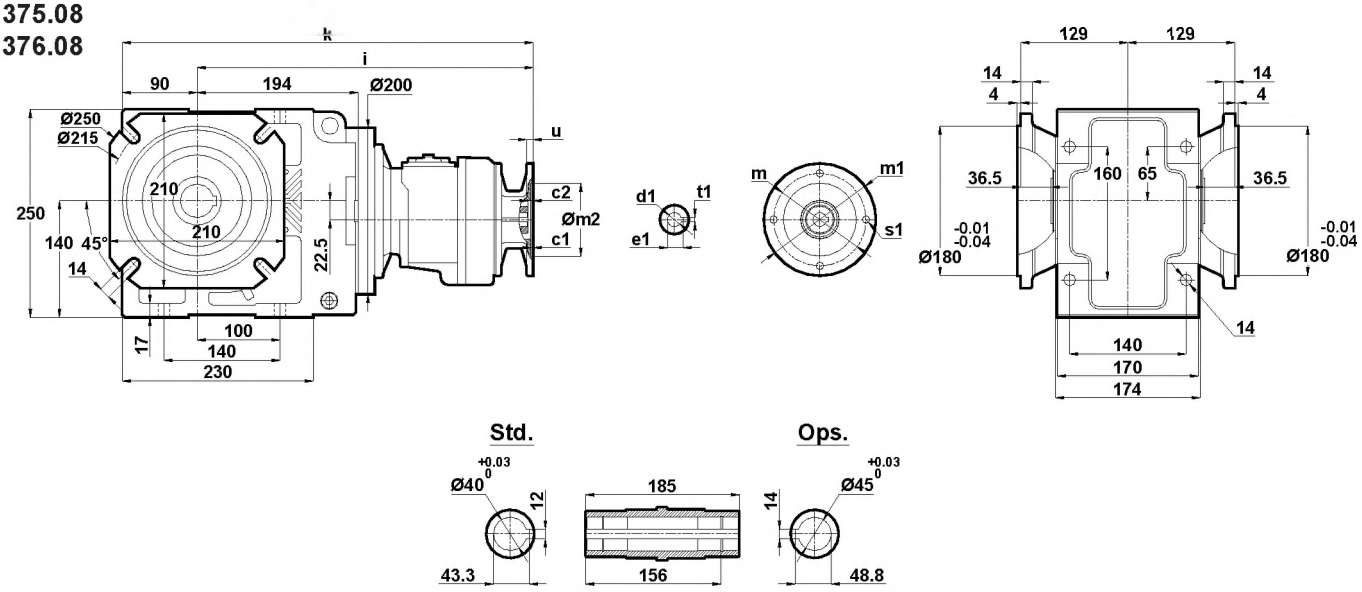
KN375.05
KN376.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 63/B14	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 71/B14	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

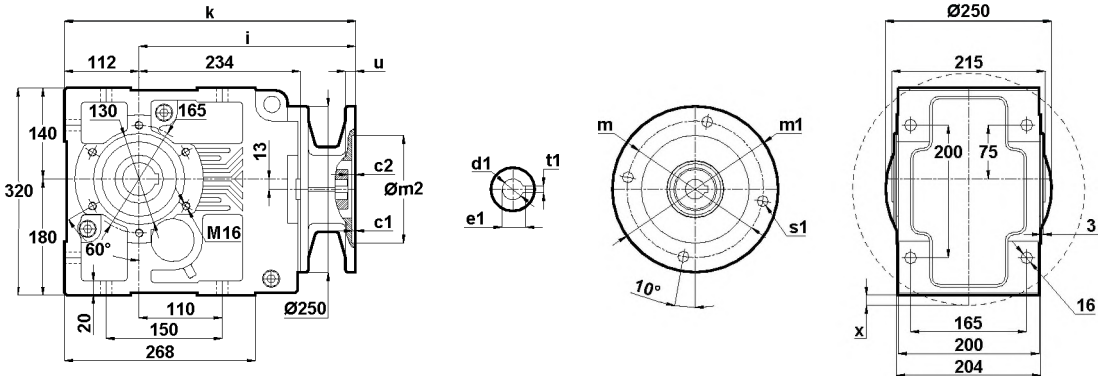
KN375.08
KN376.08

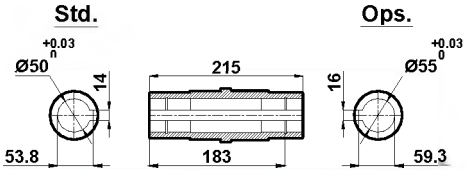


	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5 **63/B14**	3.5 2.5	5	10 5.5	115 75	140 90	95 60	405	10	495	11	4	12.8
71/B5 **71/B14**	4 3	4.5	11 7	130 85	160 105	110 70	405	12 10	495	14	5	16.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN473.00

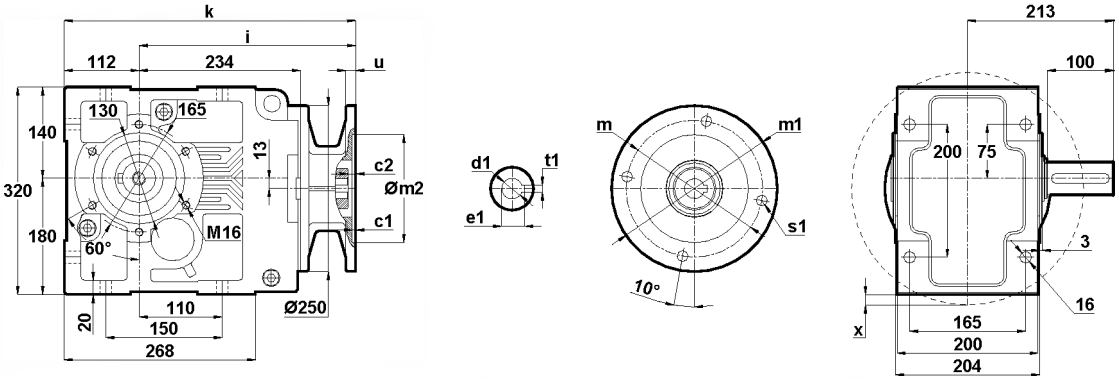


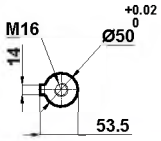


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	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	328	15	440	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: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

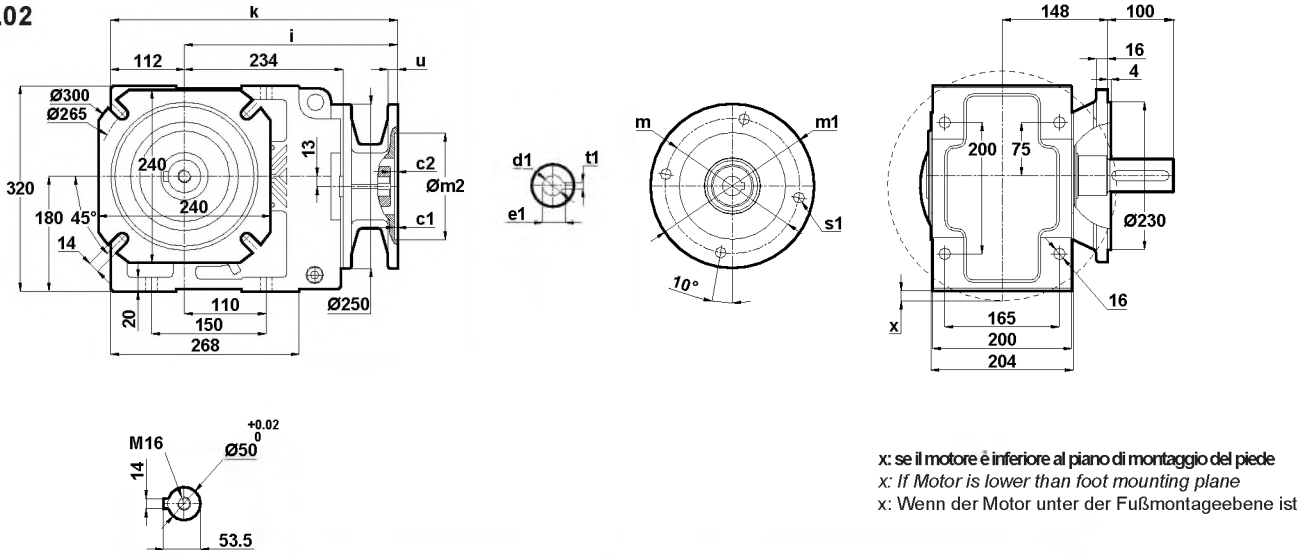
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	328	15	440	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



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

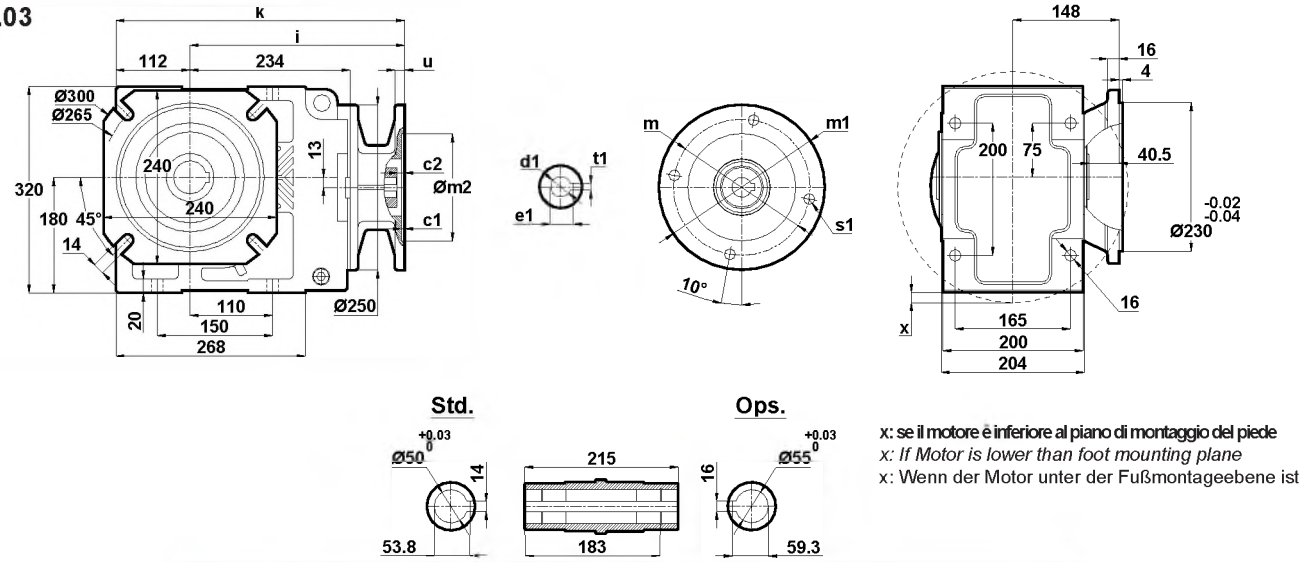
KN473.02



x: se il motore è inferiore al piano di montaggio del piede
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	291	12	403	19	6	21.8	-
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 112/B14	4.5 3.5	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	328	15	440	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

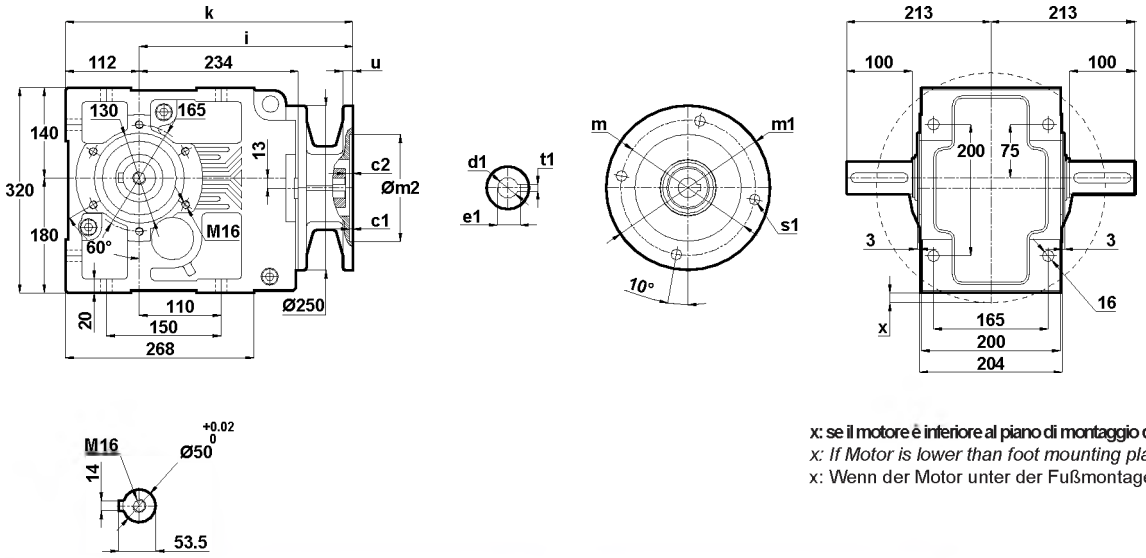


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 112/B14	4.5 3.5	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	328	15	440	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

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

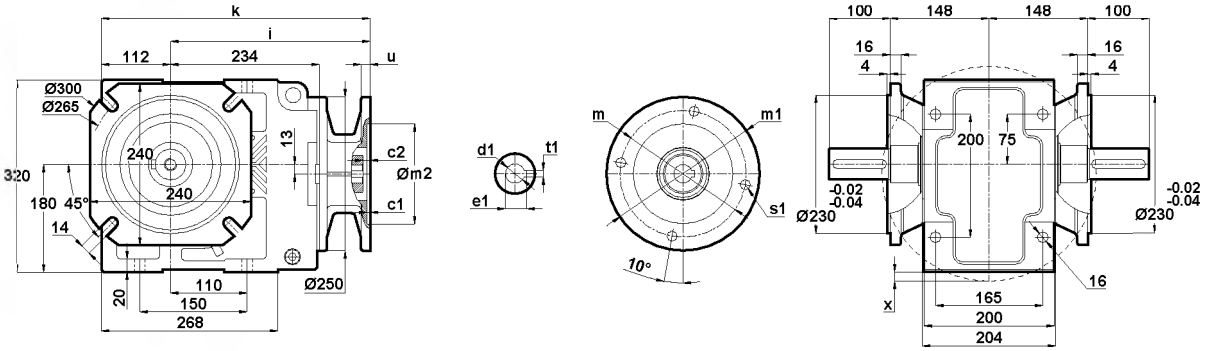
KN473.04

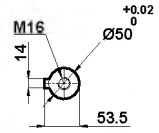


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	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	328	15	440	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



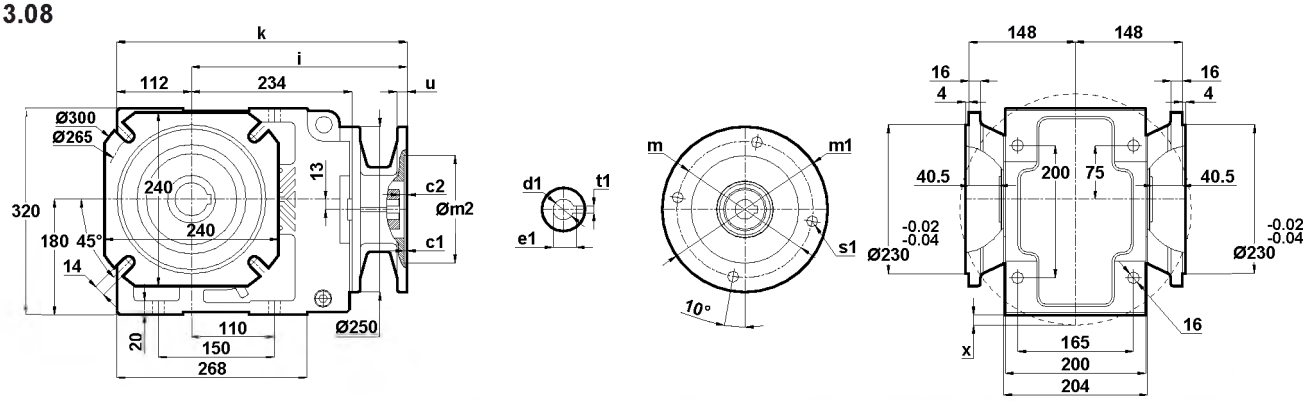


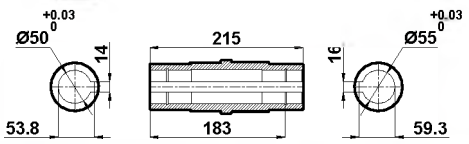
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	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	328	15	440	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

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN473.08



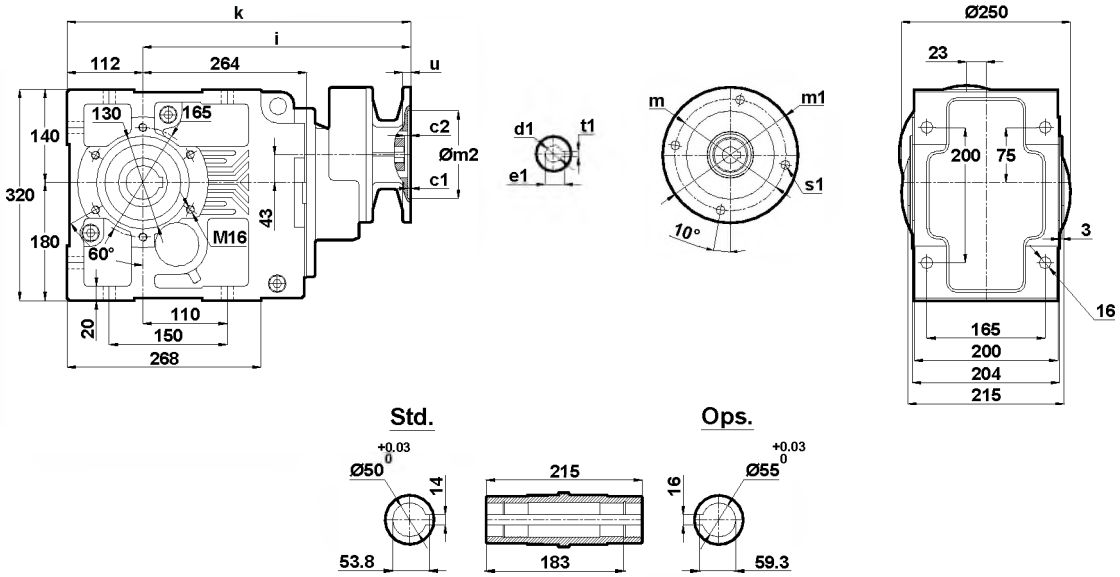


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
80/B5	4	5	12	165	200	130	291	12	403	19	6	21.8	-
90/B5 **90/B14**	4	5	12 9	165 115	200 140	130 95	291	12	403	24	8	27.3	-
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	309	15	421	28	8	31.3	-
112/B5 **112/B14**	4.5 3.5	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	328	15	440	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

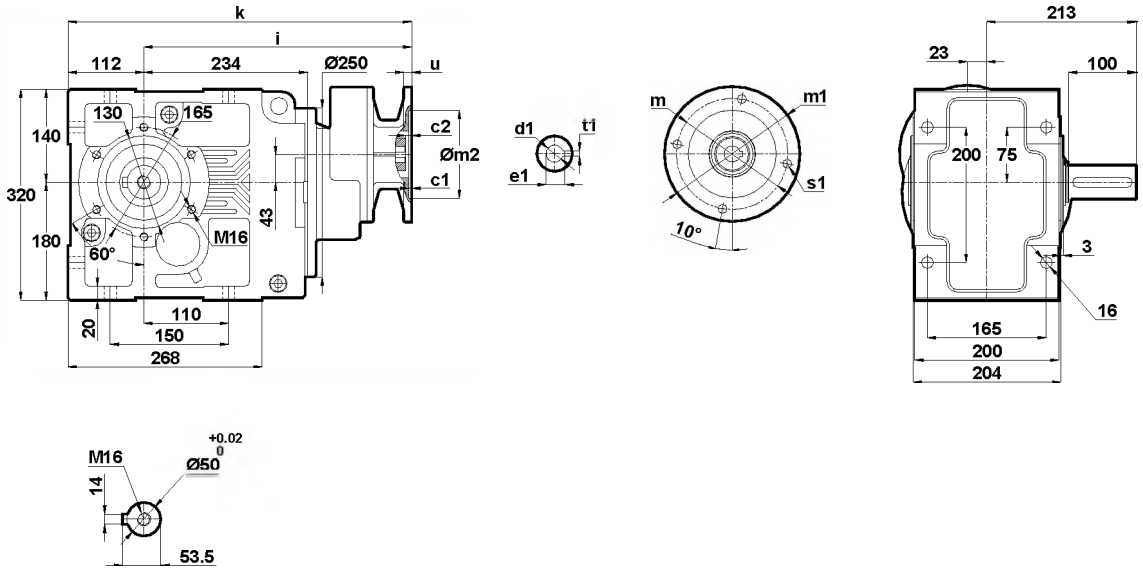
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN474.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

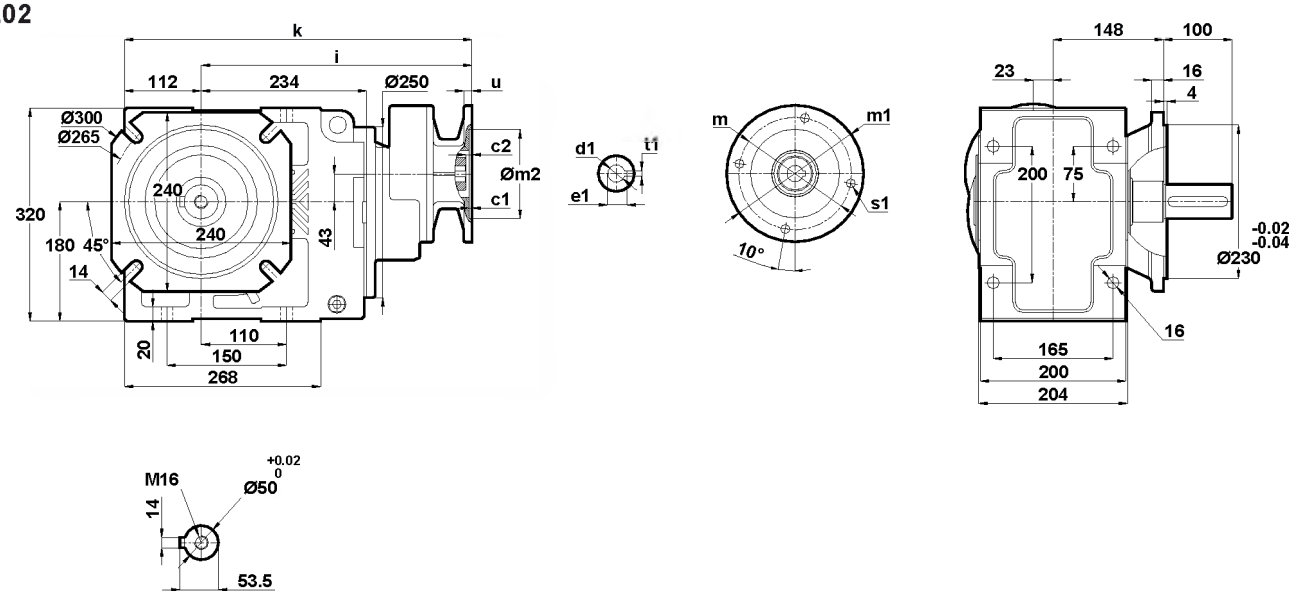
KN474.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

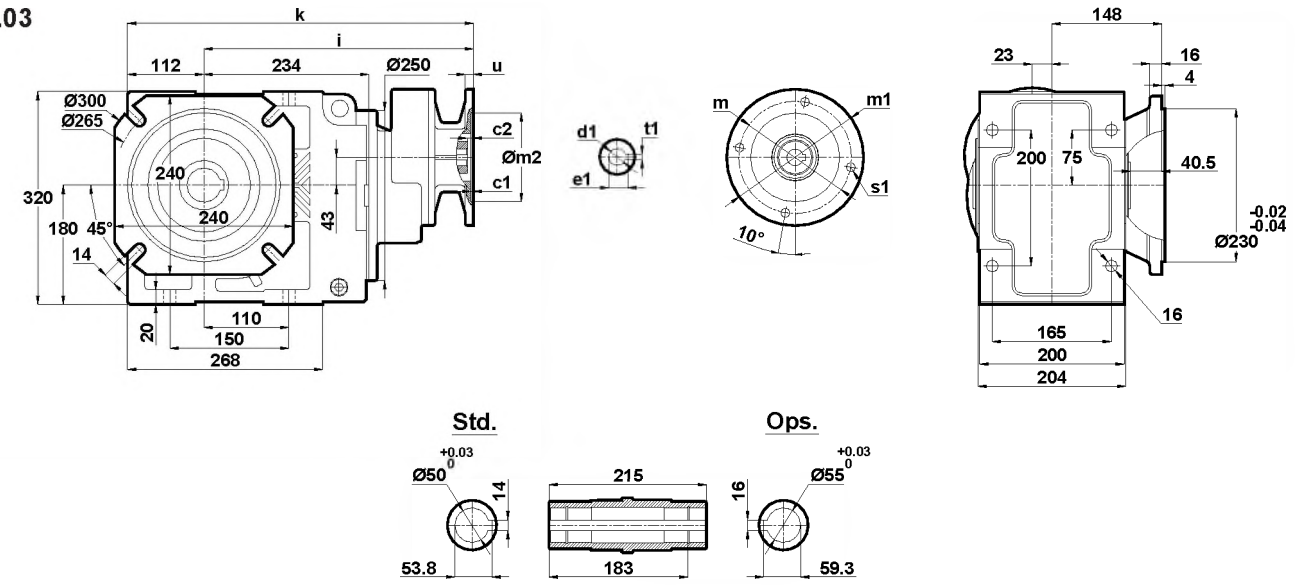
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN474.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

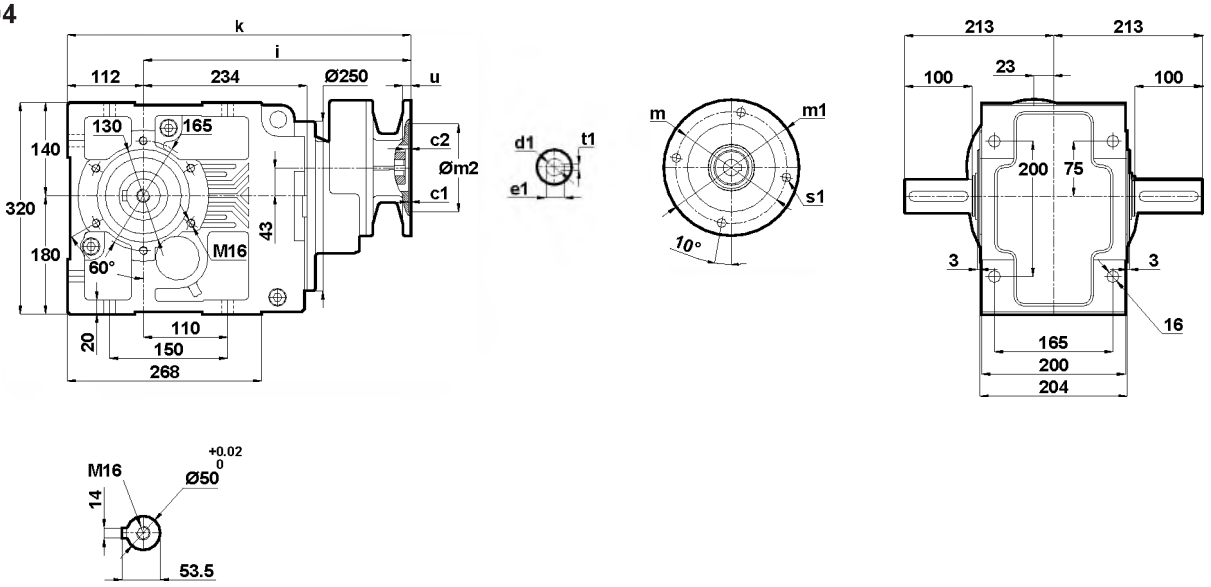
KN474.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

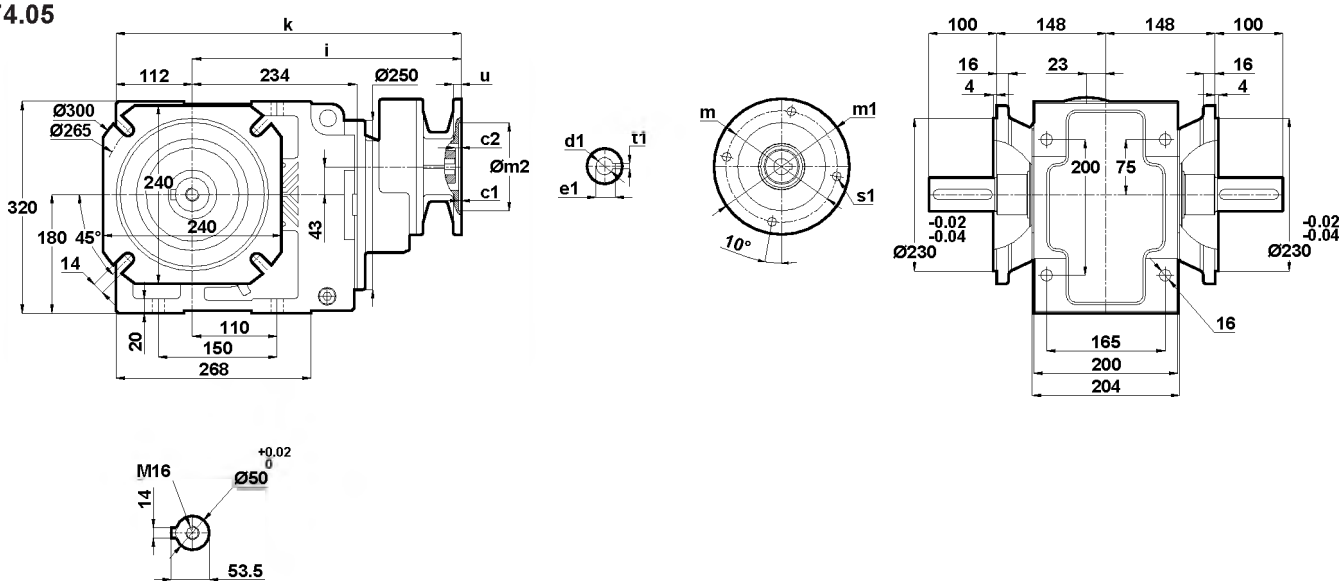
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN474.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

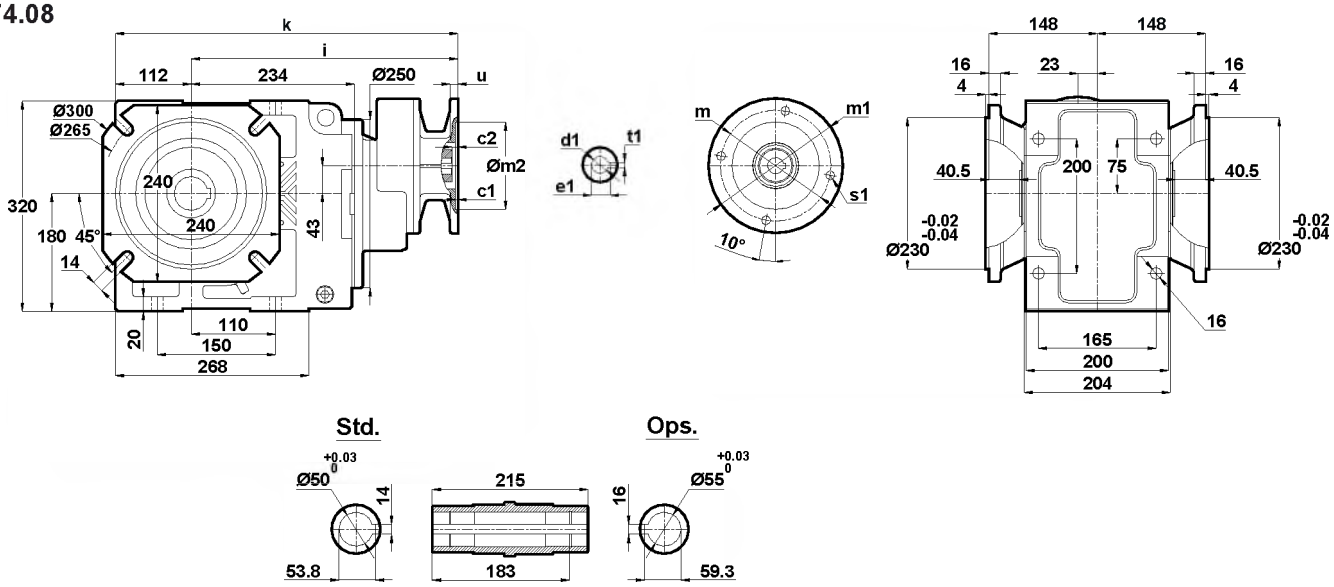
KN474.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

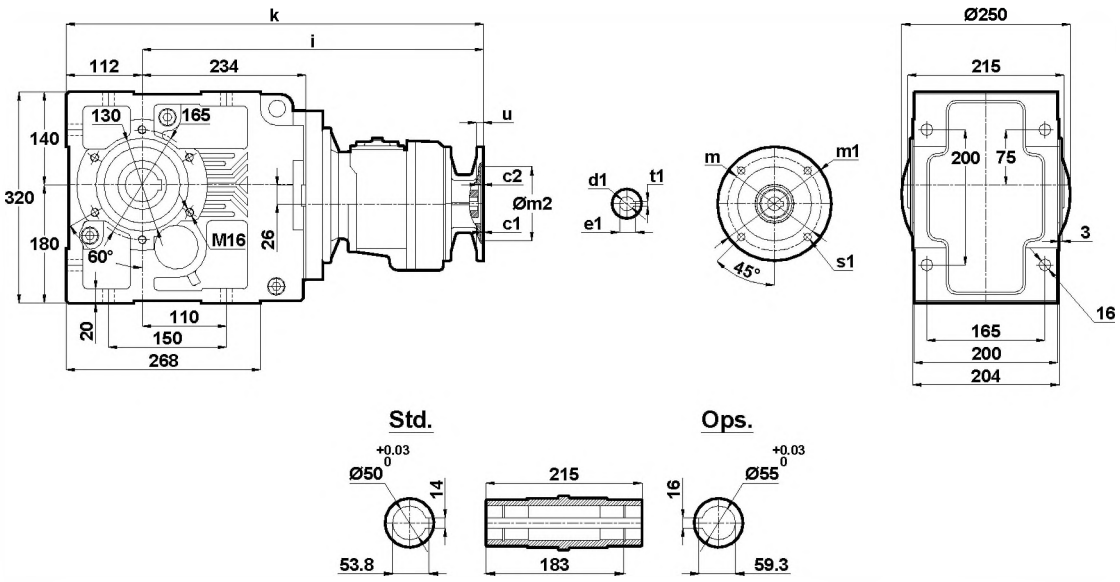
KN474.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	389	12	501	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	389	12	501	19	6	21.8

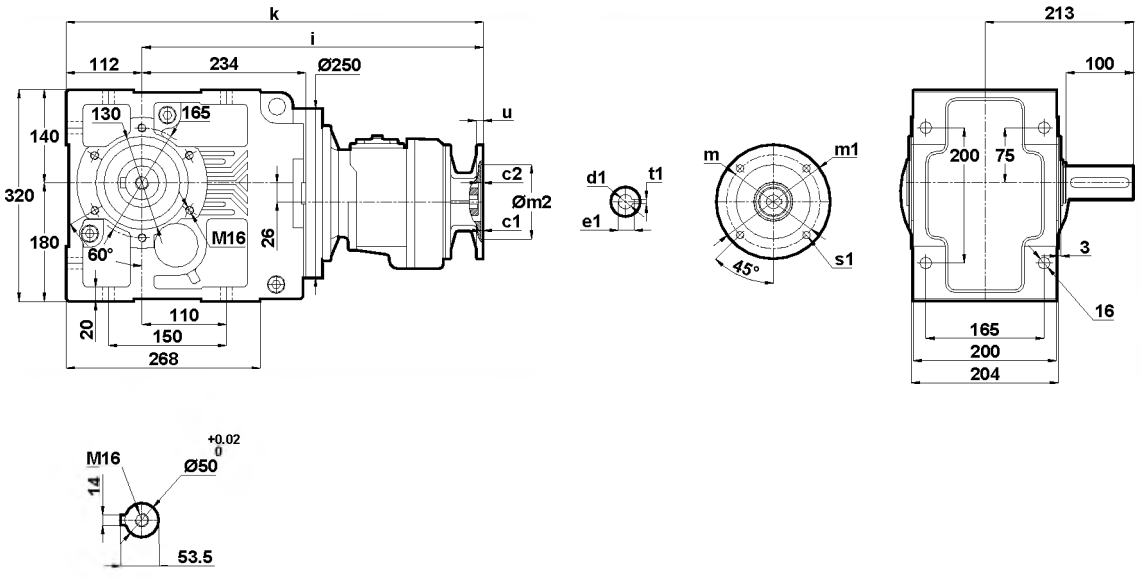
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN475.00
KN476.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

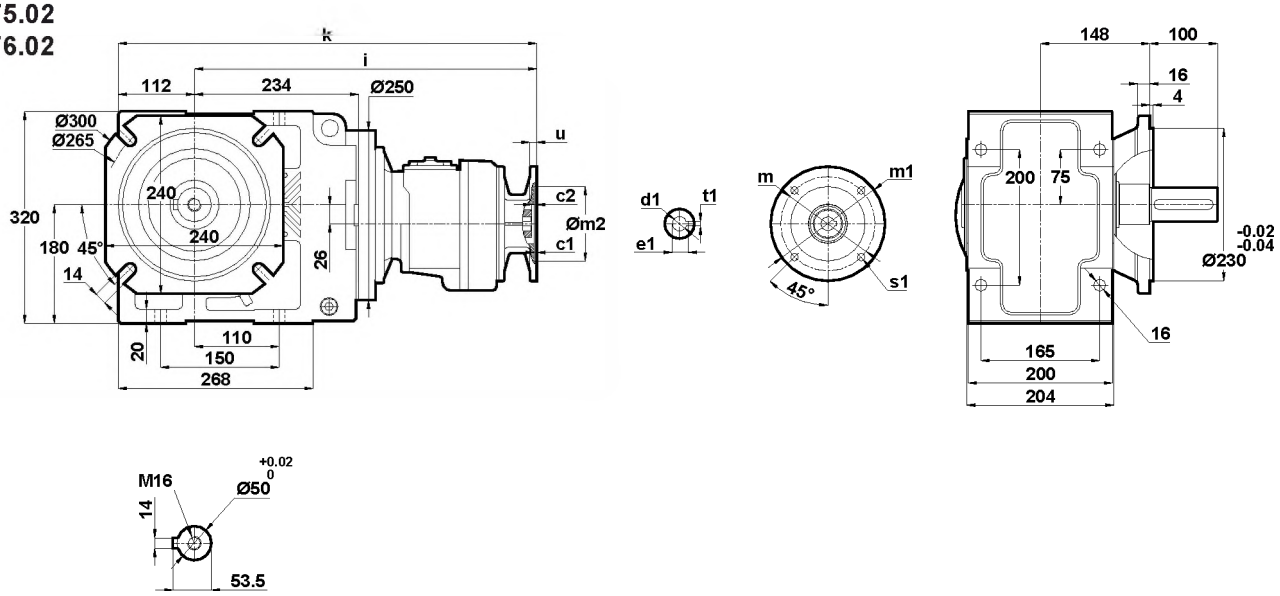
KN475.01
KN476.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

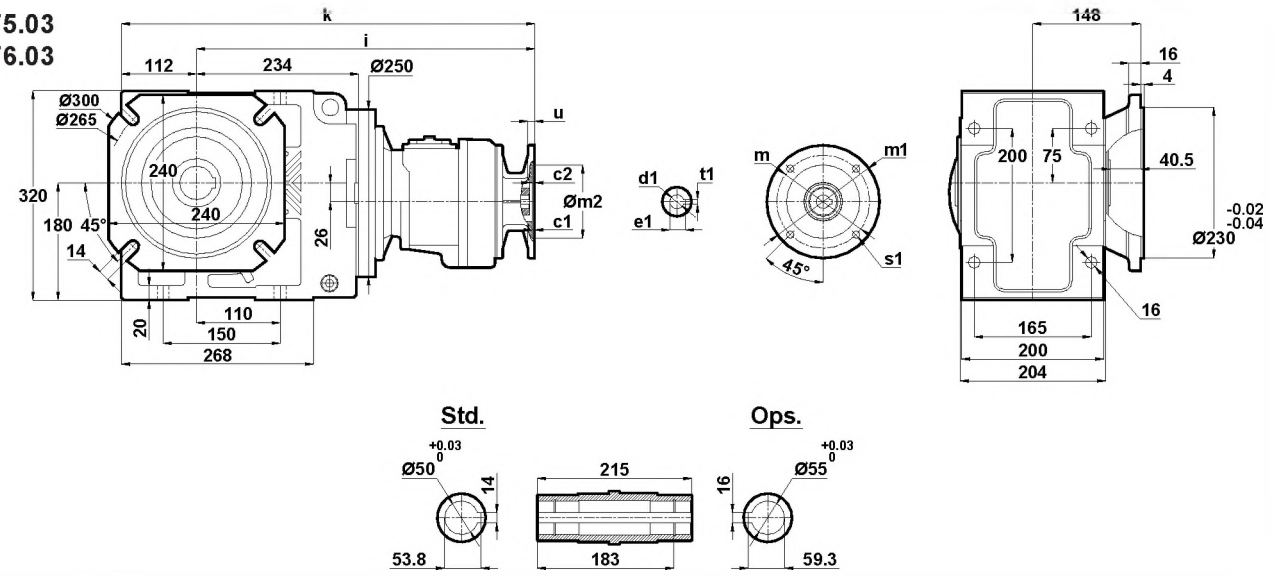
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN475.02
KN476.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

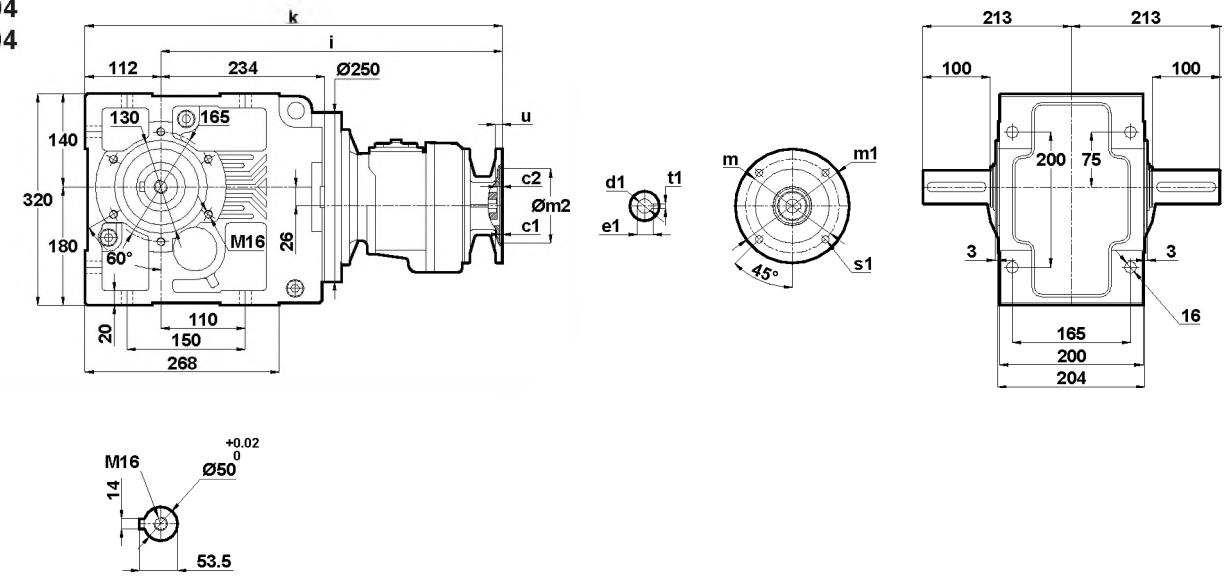
KN475.03
KN476.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

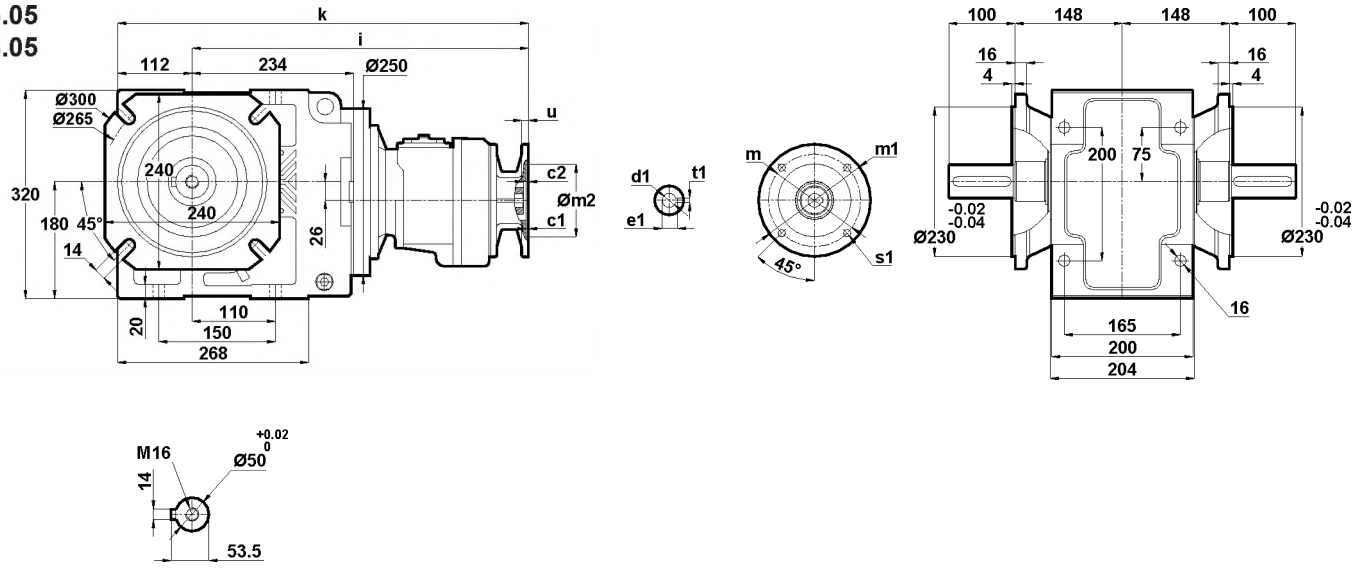
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN475.04
KN476.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

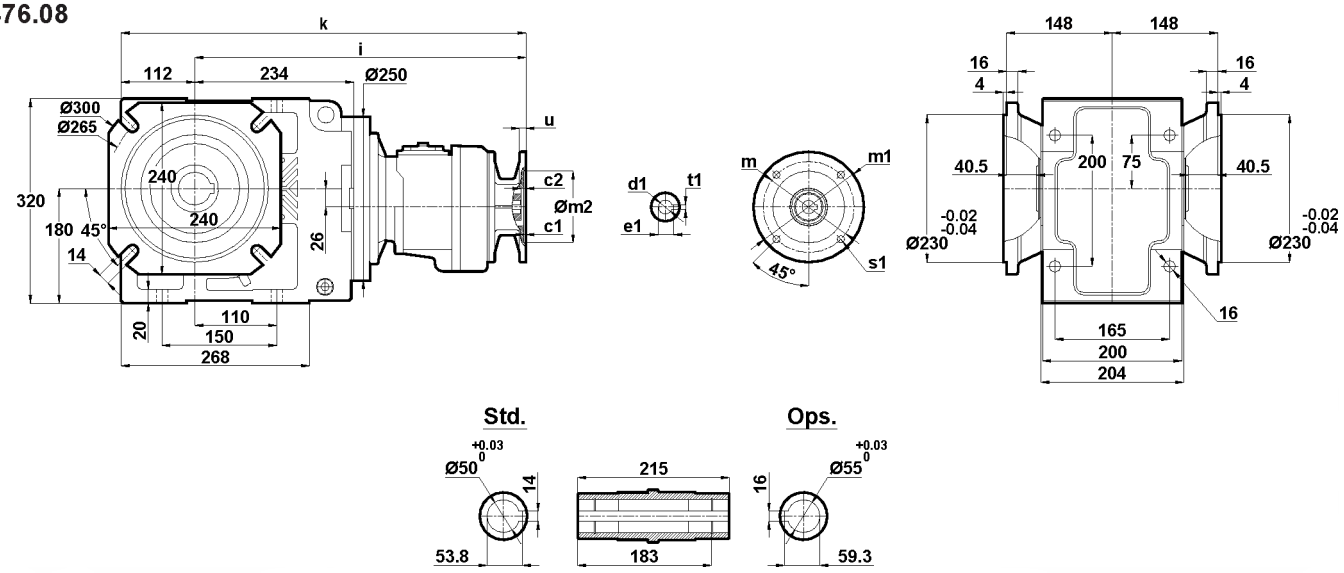
KN475.05
KN476.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

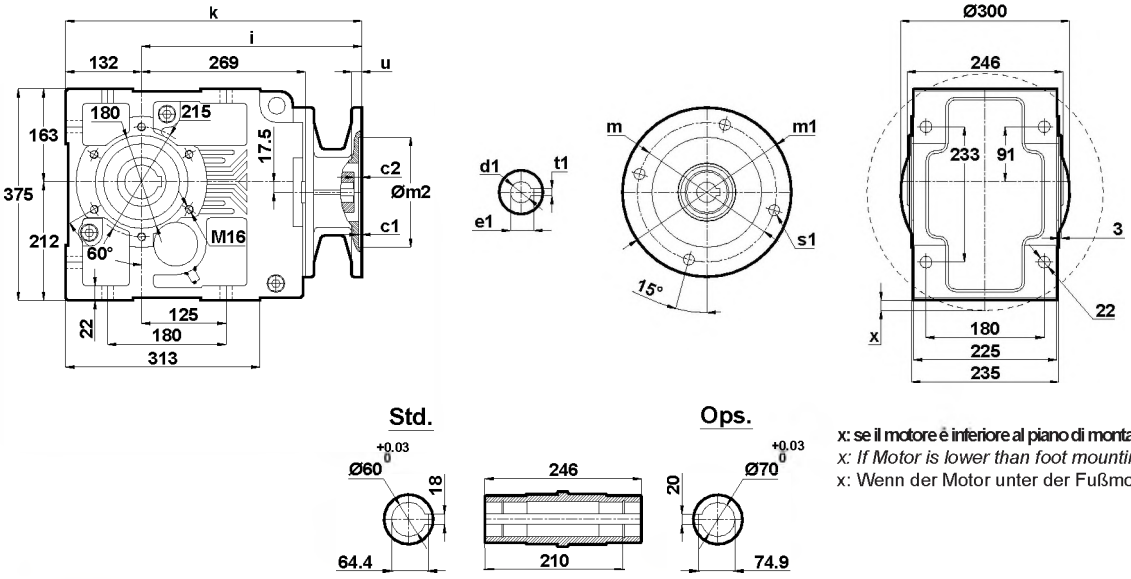
KN475.08
KN476.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	517	12	629	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	488	12 10	600	14	5	16.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

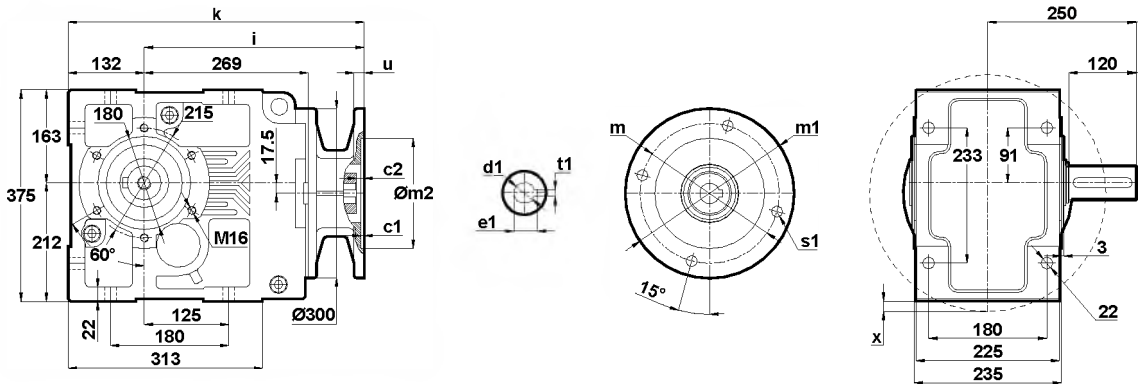
KN573.00

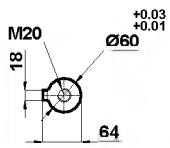


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	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: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

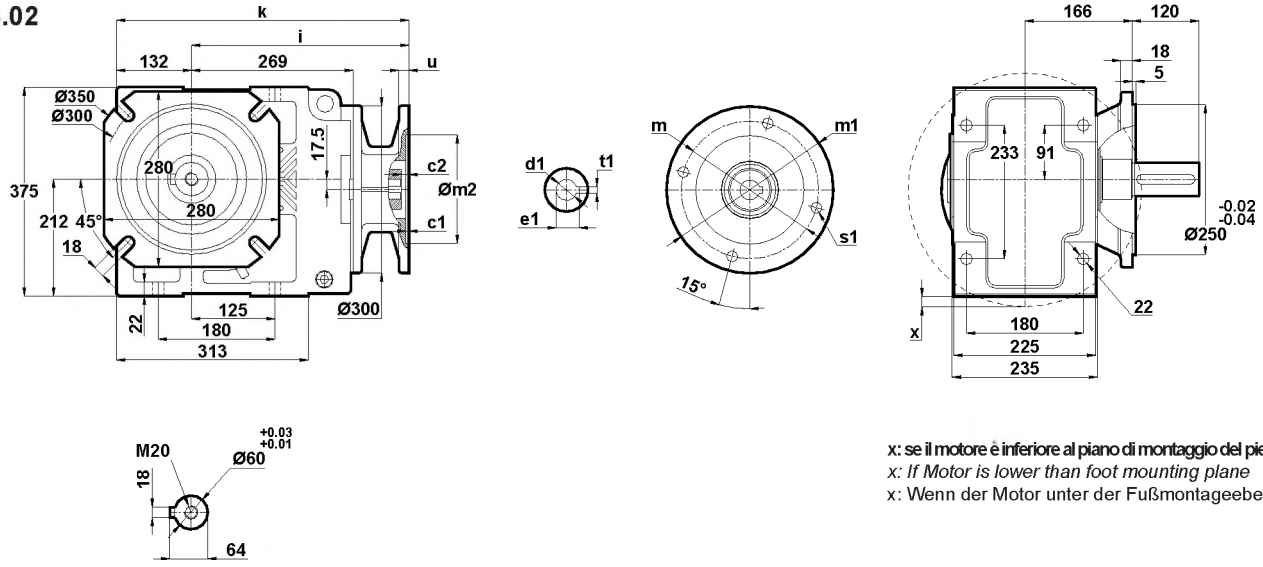
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

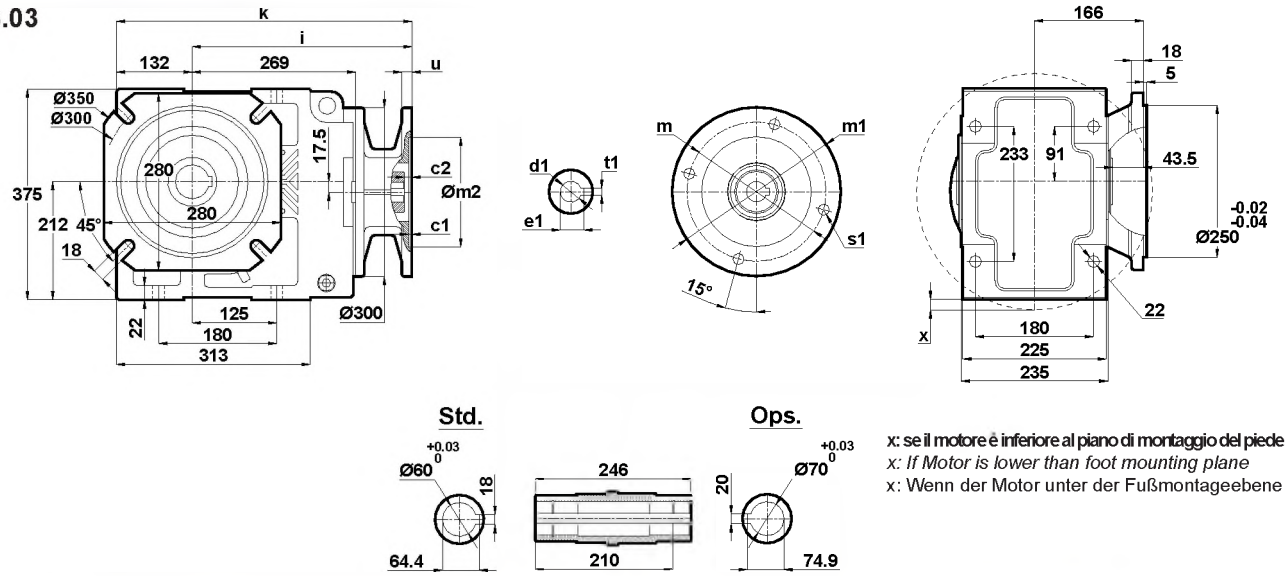
KN573.02



x: se il motore è inferiore al piano di montaggio del piede
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	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	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

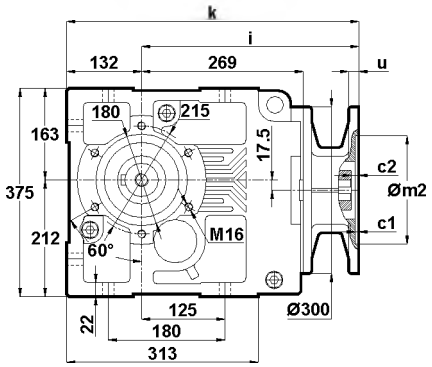


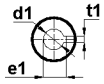
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

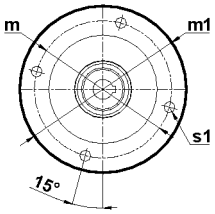
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

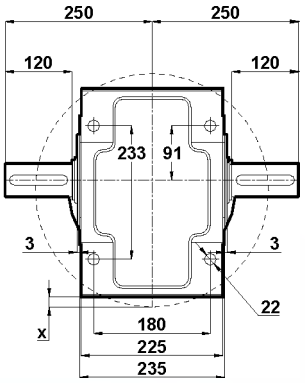
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

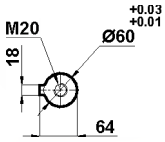
KN573.04







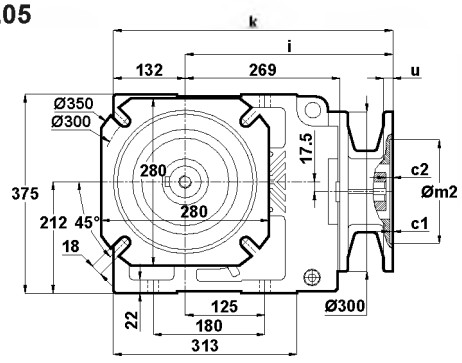


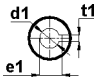


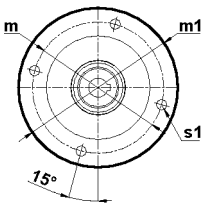
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

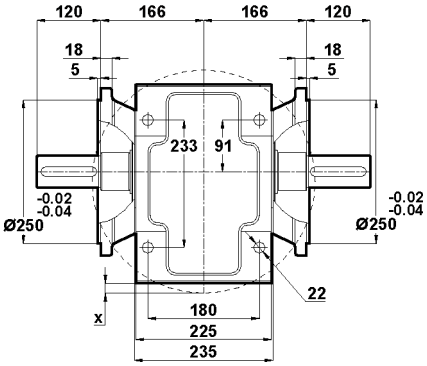
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	38	10	41.3	-
160/B5	5.5	10	19	300	350	250	438	18	570	42	12	45.3	-
180/B5	5.5	10	19	300	350	250	438	18	570	48	14	51.8	-

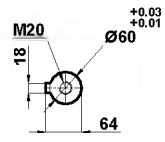
KN573.05









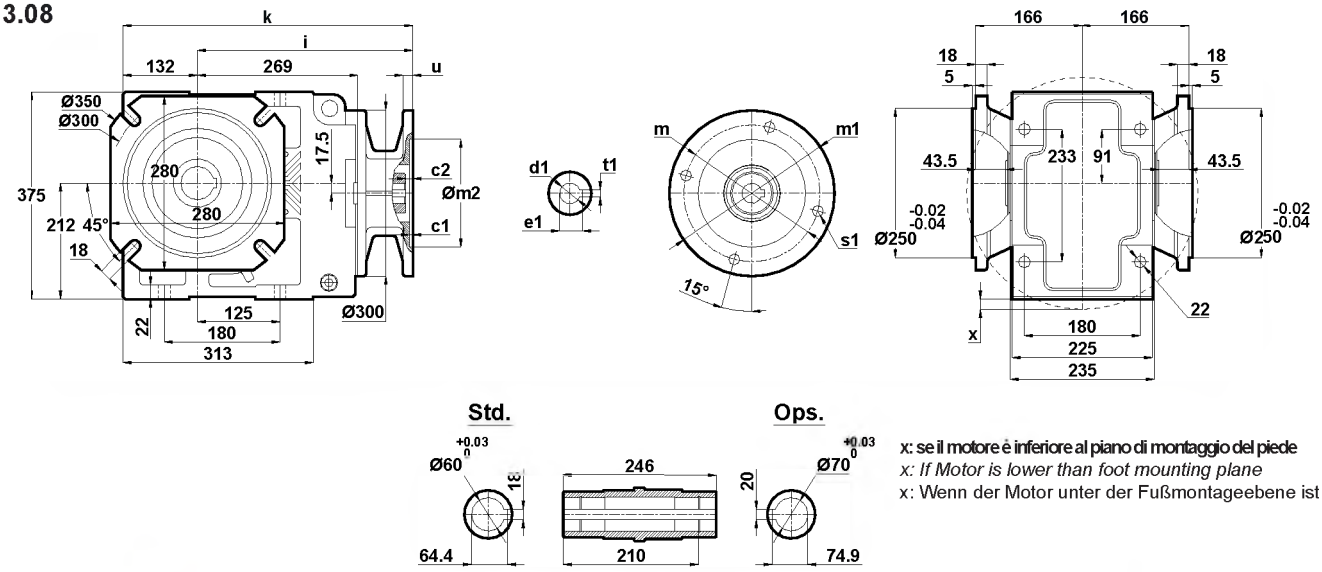


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	363	15	495	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	-

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN573.08

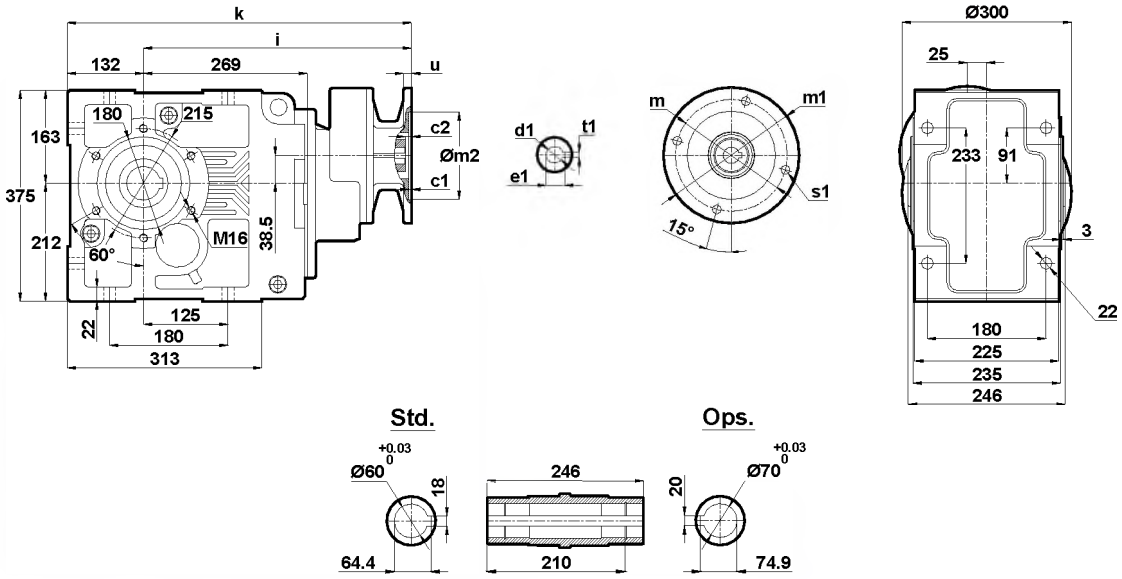


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1	x
100/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
112/B5	4.5	20	15	215	250	180	342	15	474	28	8	31.3	-
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	363	15	495	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	-

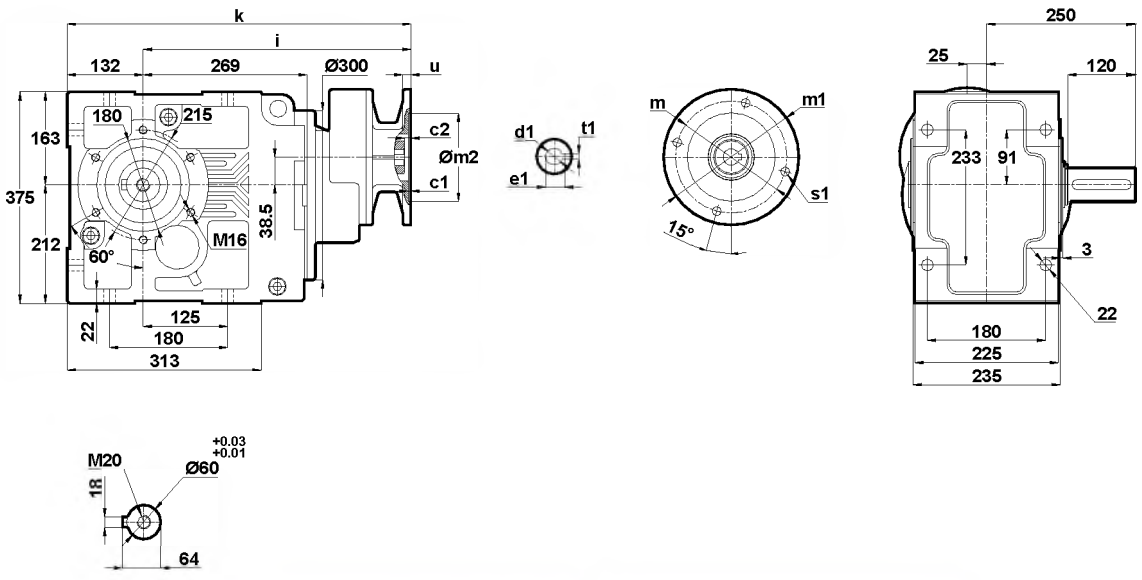
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN574.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

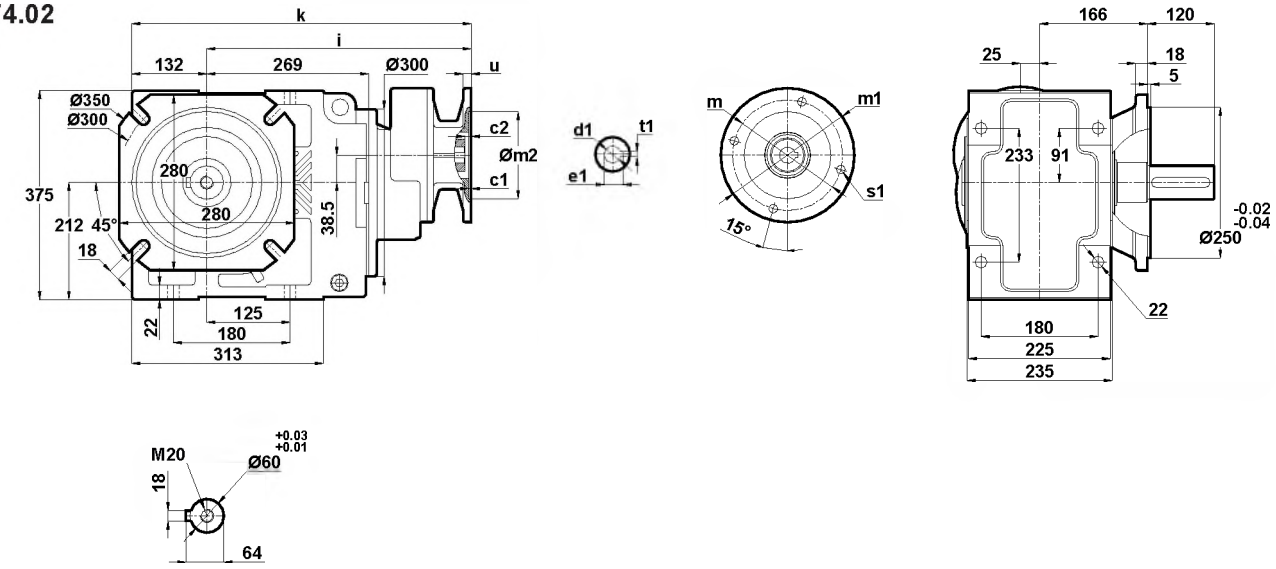
KN574.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

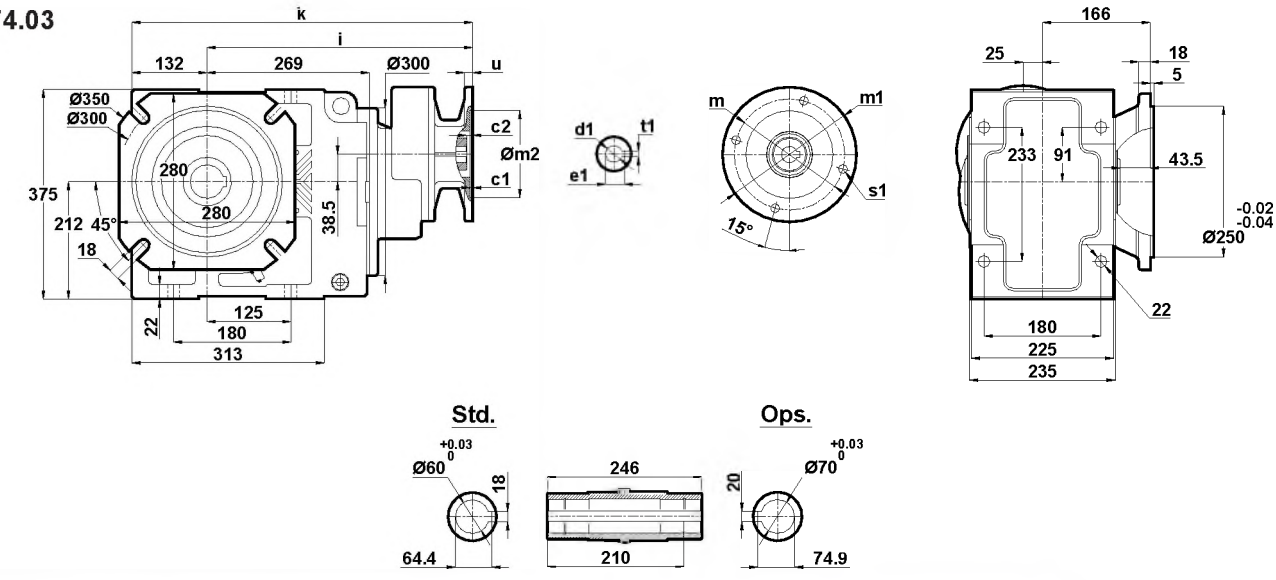
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN574.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

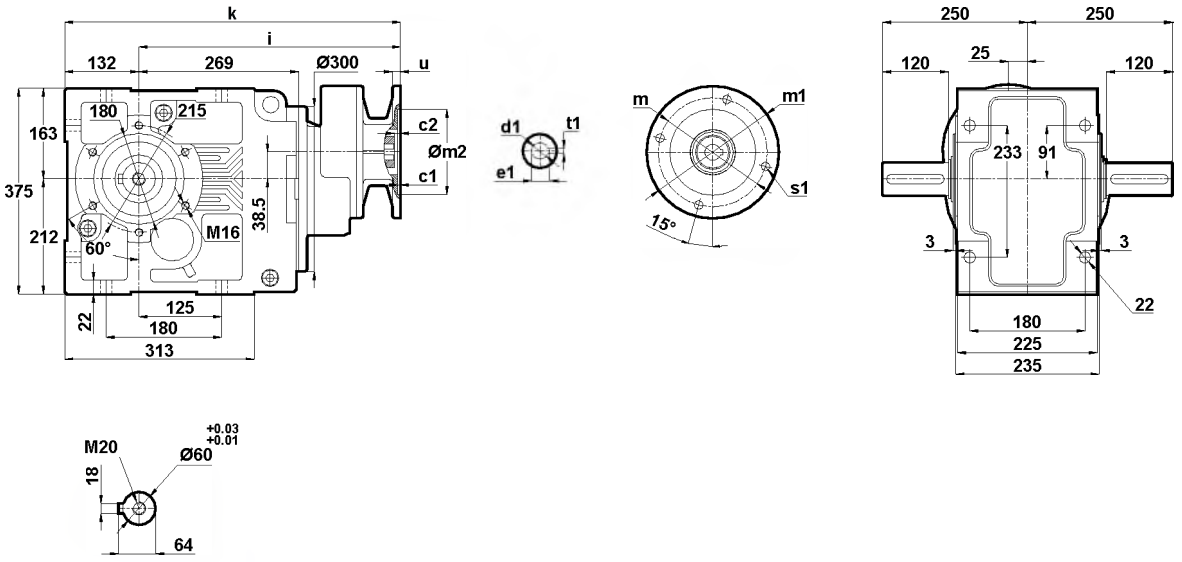
KN574.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

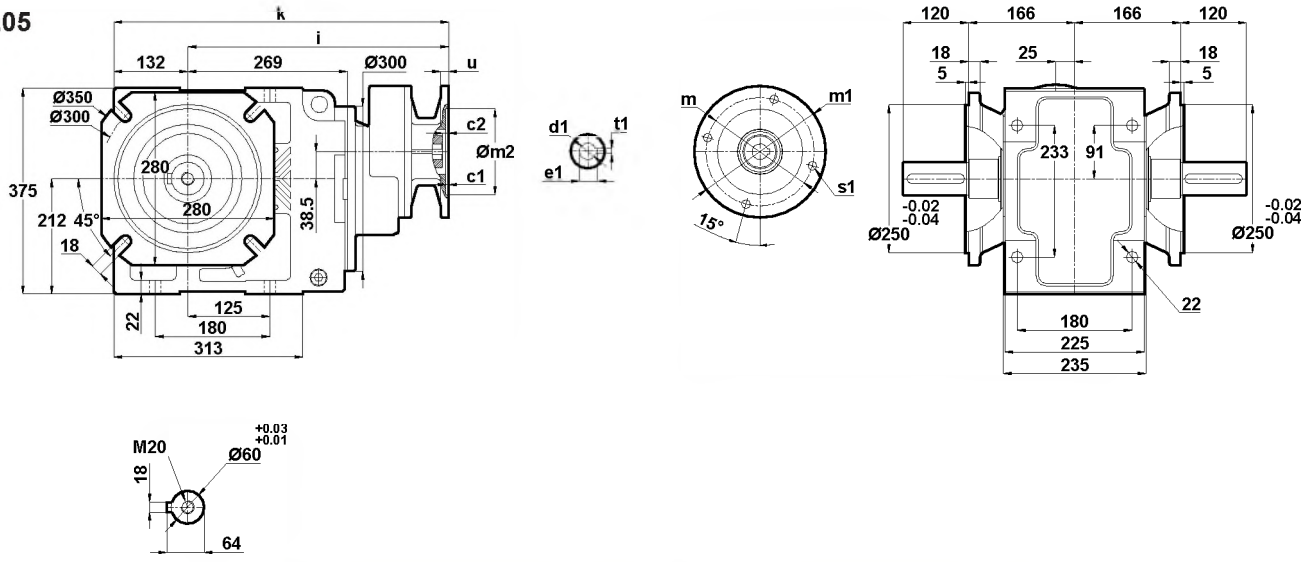
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN574.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

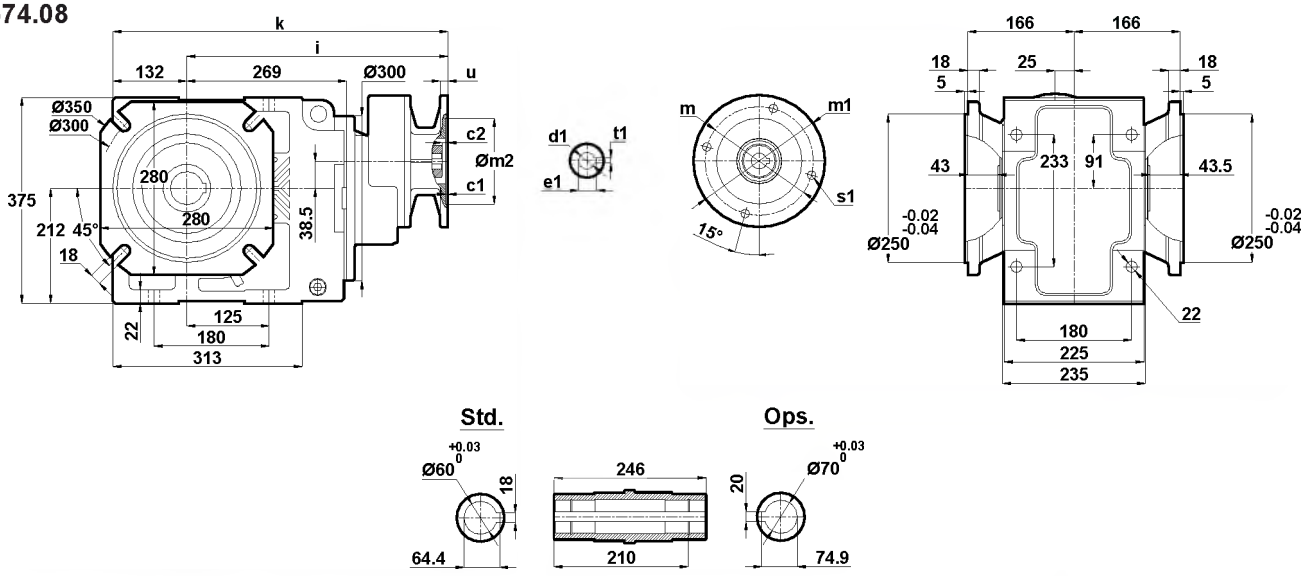
KN574.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

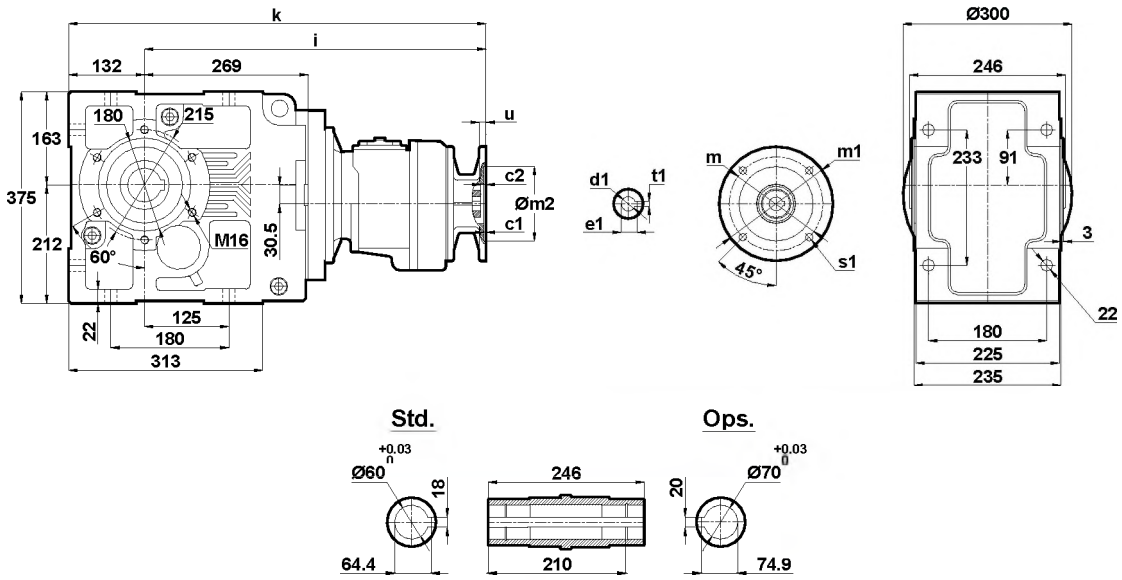
KN574.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	422	12	554	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	422	12	554	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	422	12	554	24	8	27.3 26.3
100/B5	4.5	9	15	215	250	180	439	15	571	28	8	31.3

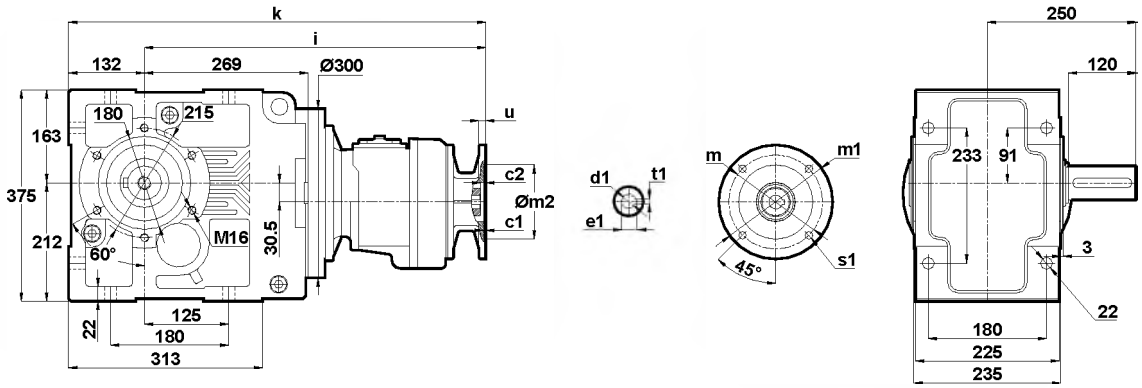
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

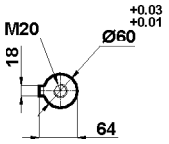
KN575.00
KN576.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

KN575.01
KN576.01

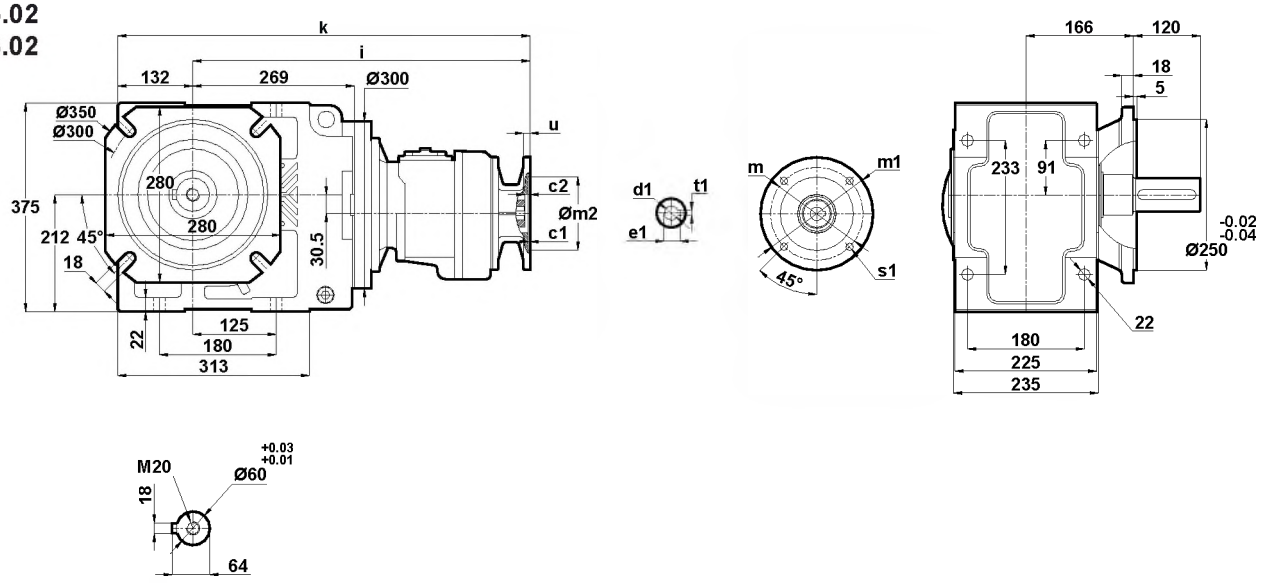




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

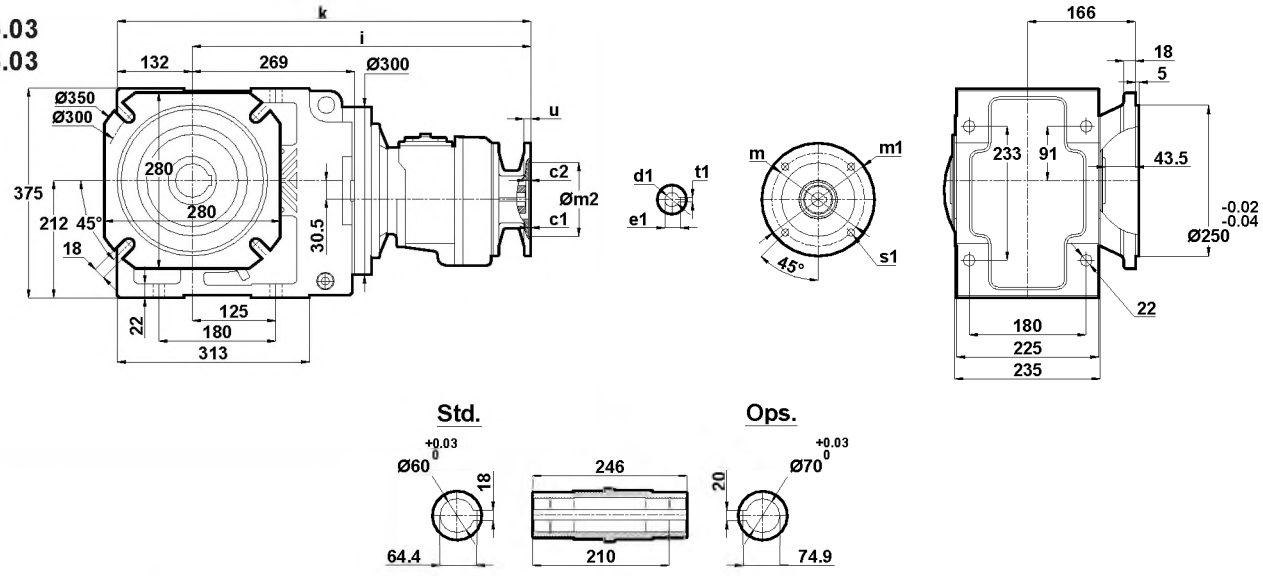
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN575.02
KN576.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

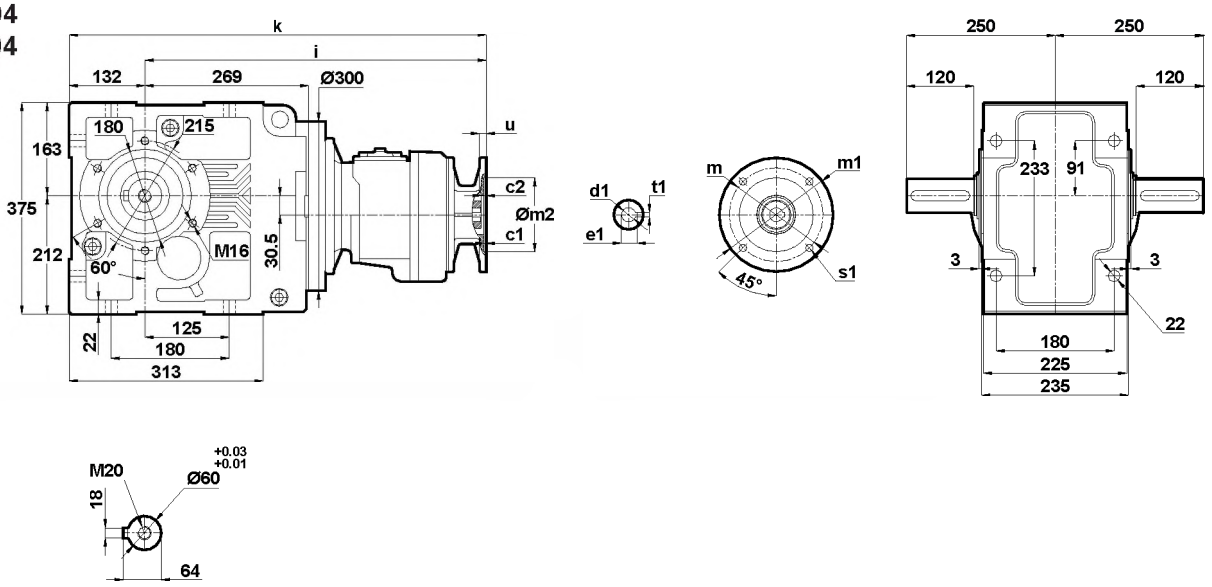
KN575.03
KN576.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

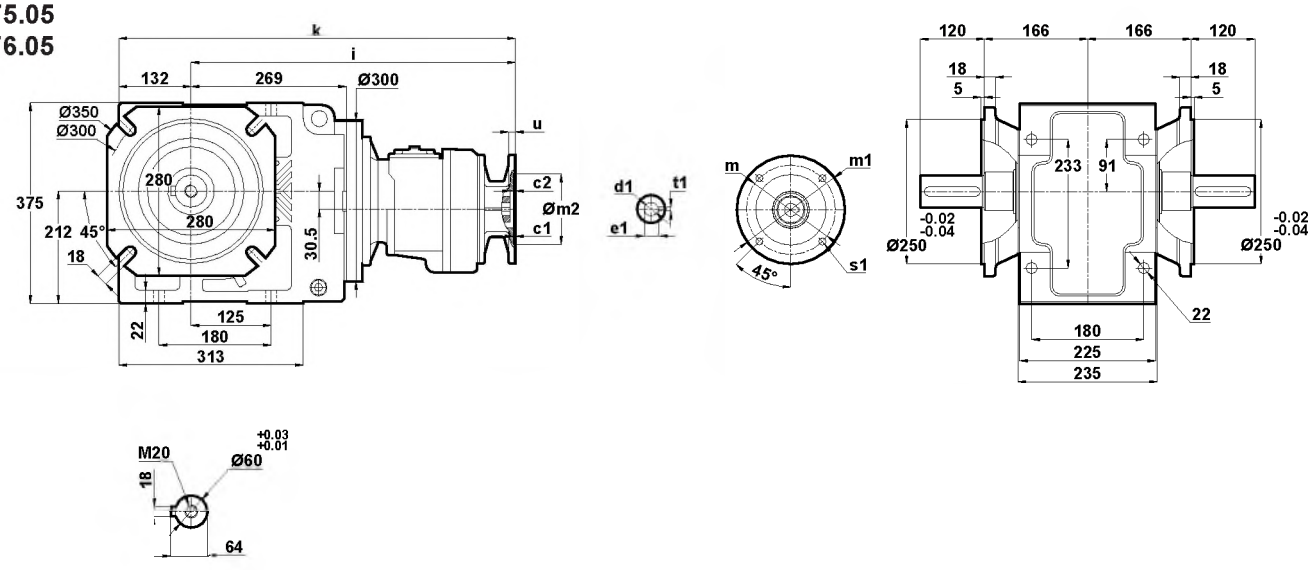
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN575.04
KN576.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

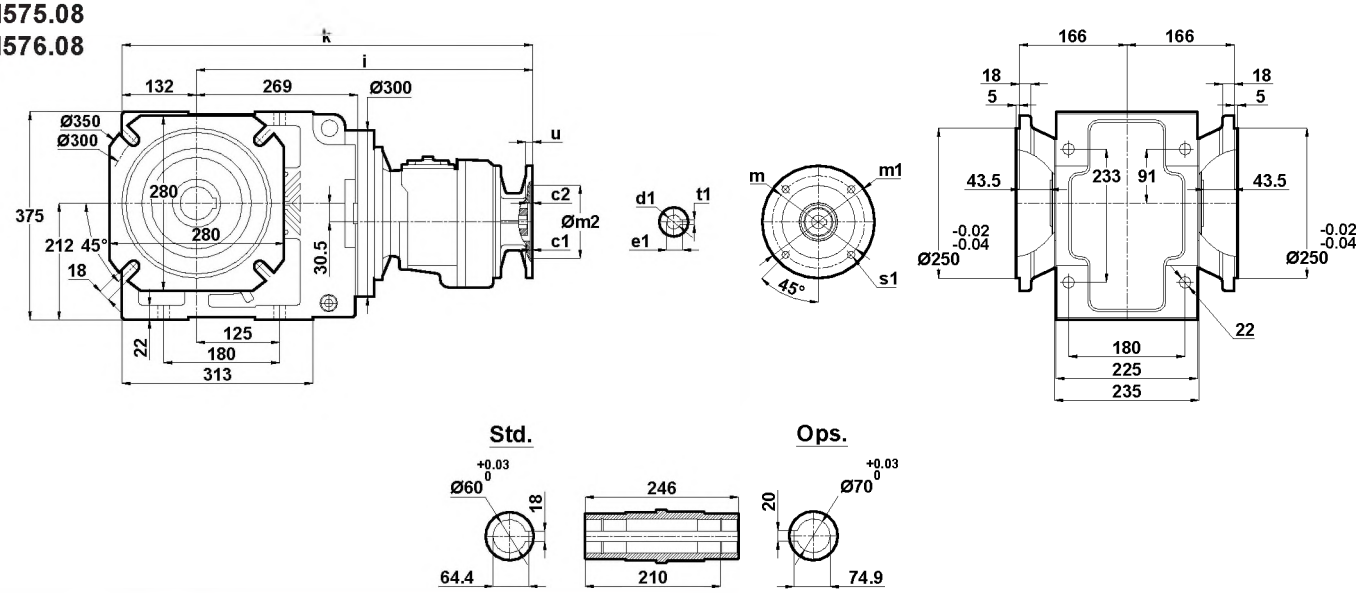
KN575.05
KN576.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 71/B14	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 80/B14	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

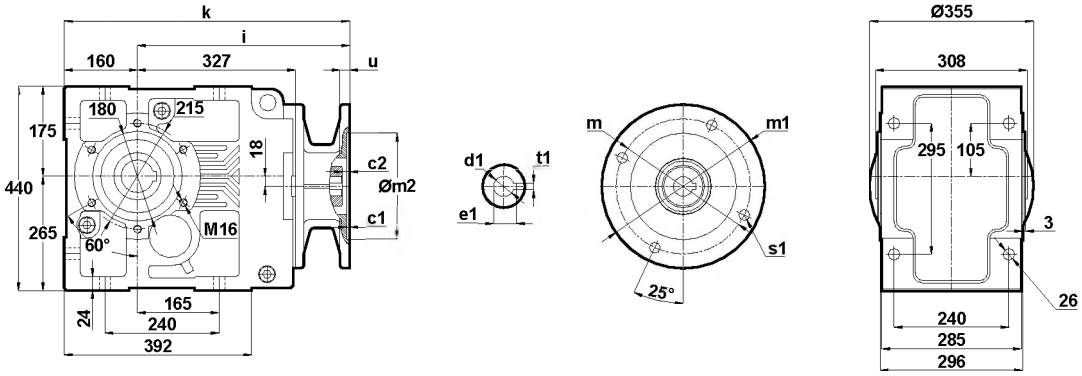
KN575.08
KN576.08

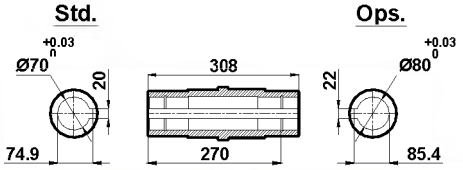


	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
63/B5	3.5	8	9	115	140	95	552	12	684	11	4	12.8
71/B5 **71/B14**	4 3	8.5	11 7	130 85	160 105	110 70	523	12 10	655	14	5	16.3
80/B5 **80/B14**	4	5	12 7	165 100	200 120	130 80	552	12	684	19	6	21.8

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

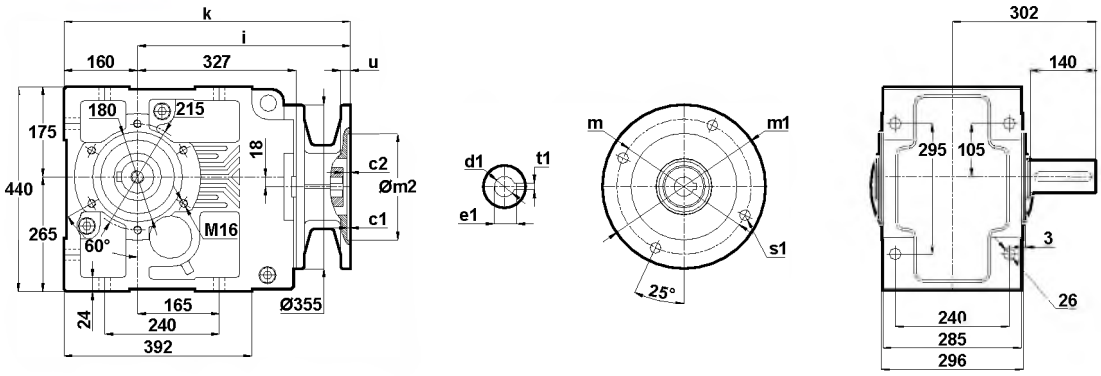
KN673.00

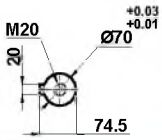




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

KN673.01

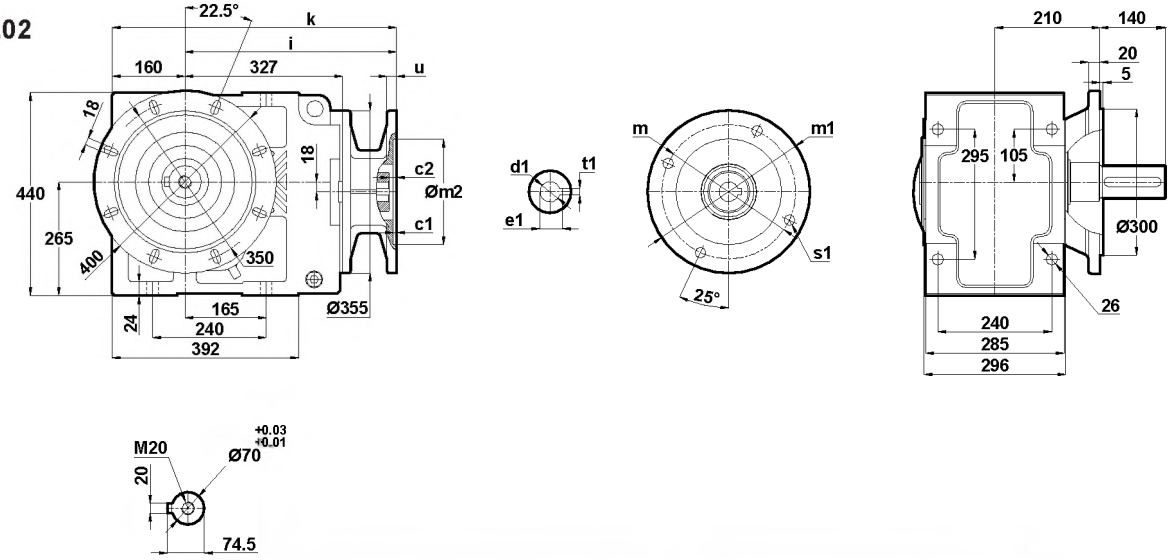




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

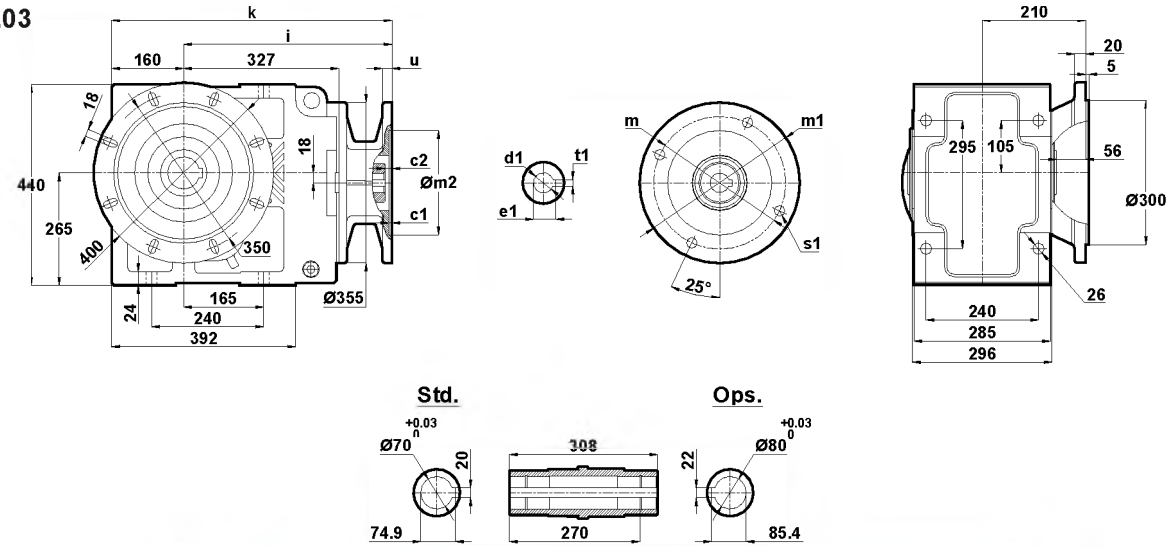
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN673.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

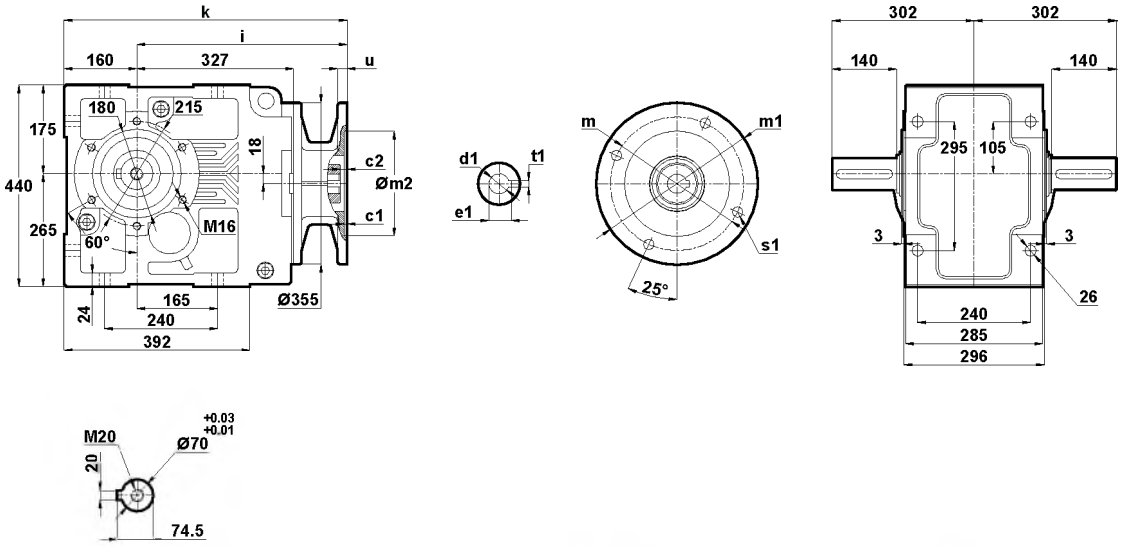
KN673.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

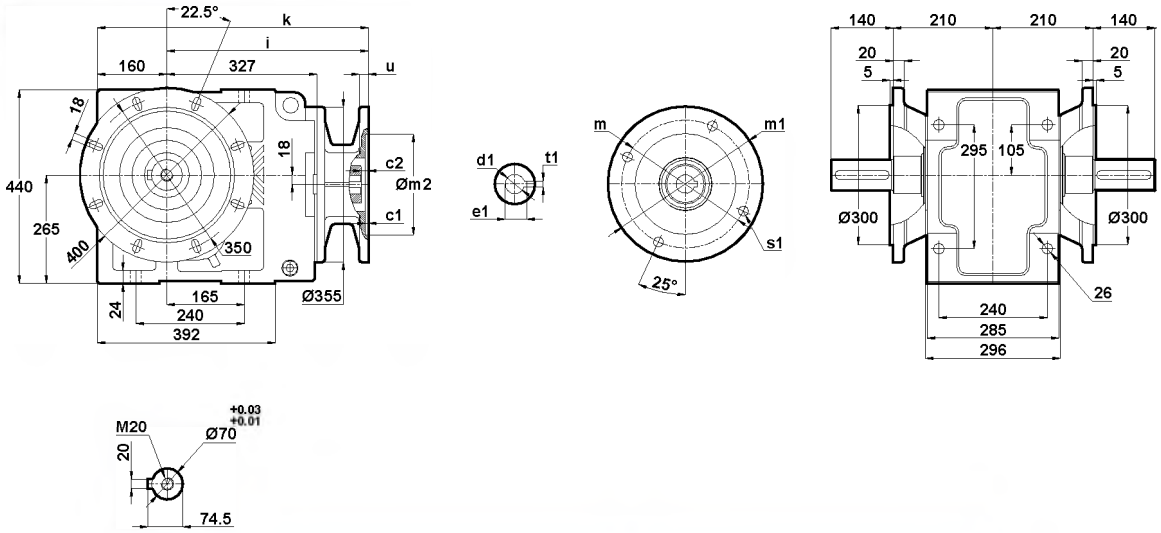
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN673.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

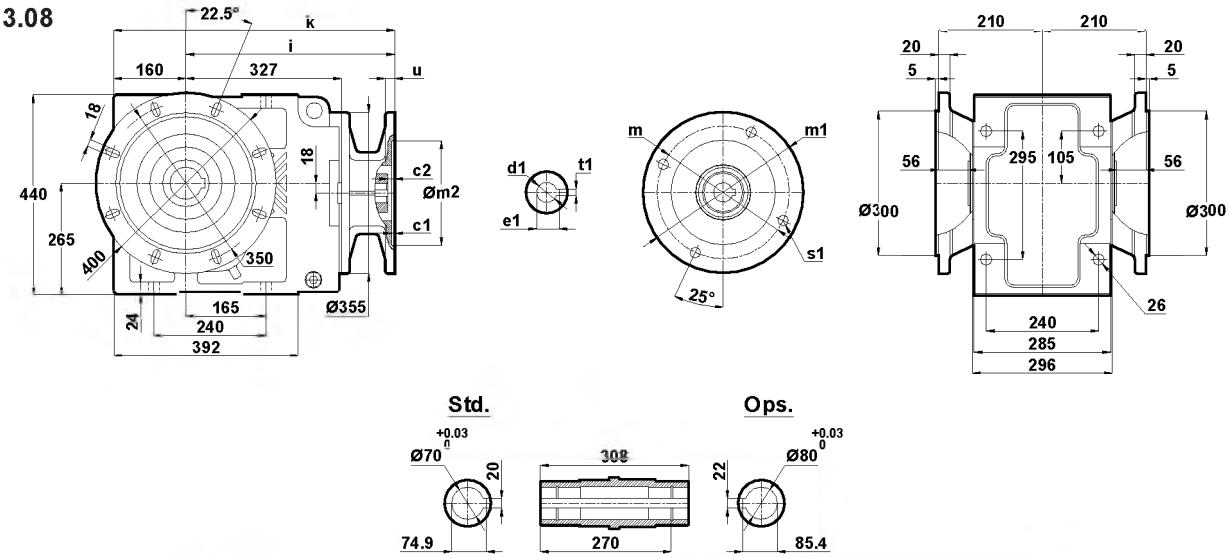
KN673.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

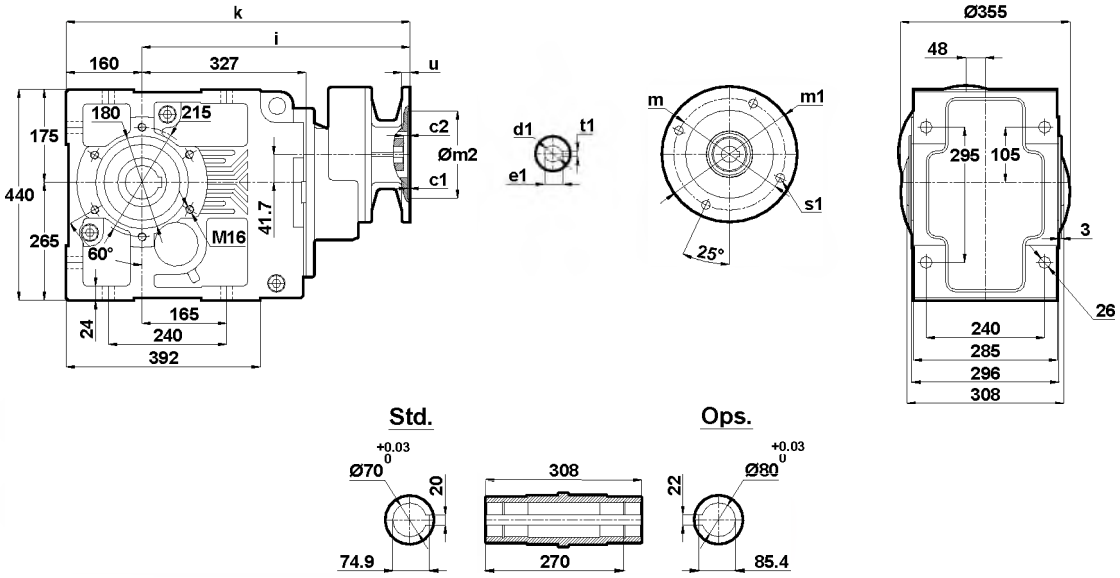
KN673.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
112/B5	4.5	14.5	15	215	250	180	396	15	556	28	8	31.3
132/B5 **132/B14**	4.5	9	15	265 165	300 200	230 130	411	15	571	38	10	41.3
160/B5	5.5	10	19	300	350	250	486	20	646	42	12	45.3
180/B5	5.5	10	19	300	350	250	486	20	646	48	14	51.8
200/B5	5.5	10	19	350	400	300	506	22	743	55	16	59.3
225/B5	5.5	10	19	400	450	350	559	24	796	60	18	64.4

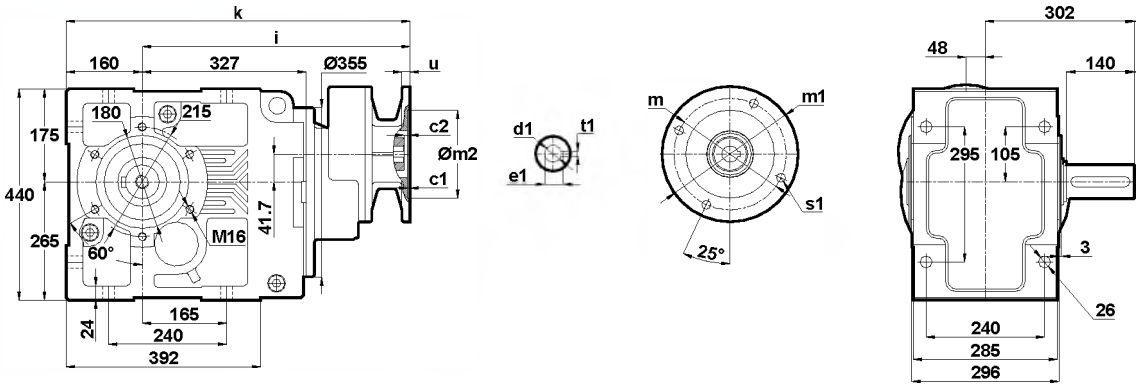
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

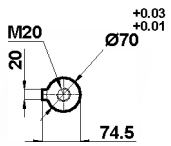
KN674.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

KN674.01

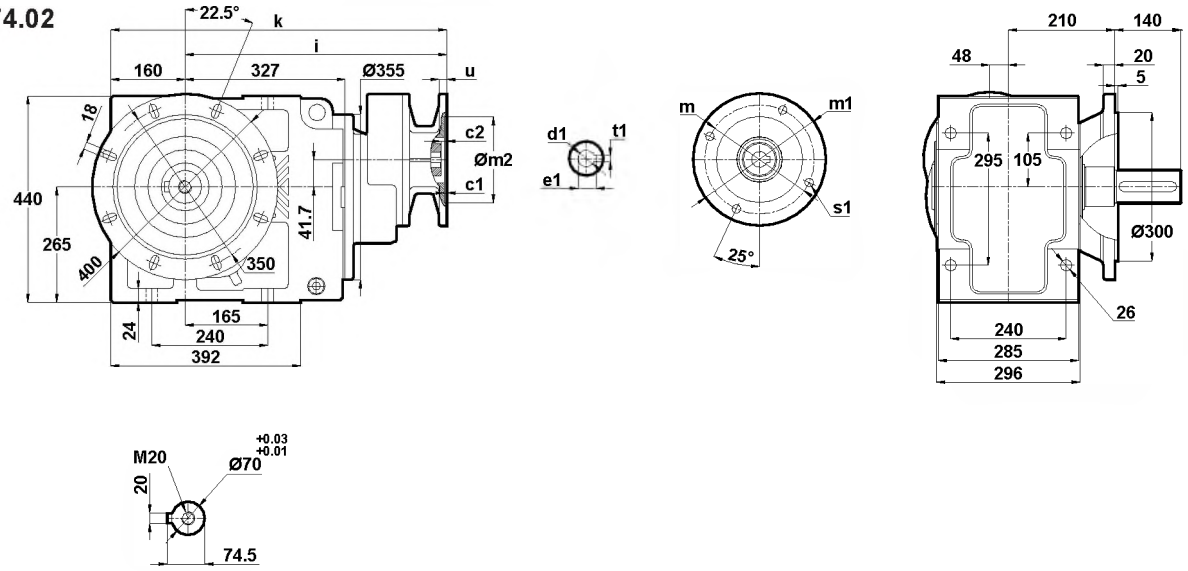




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

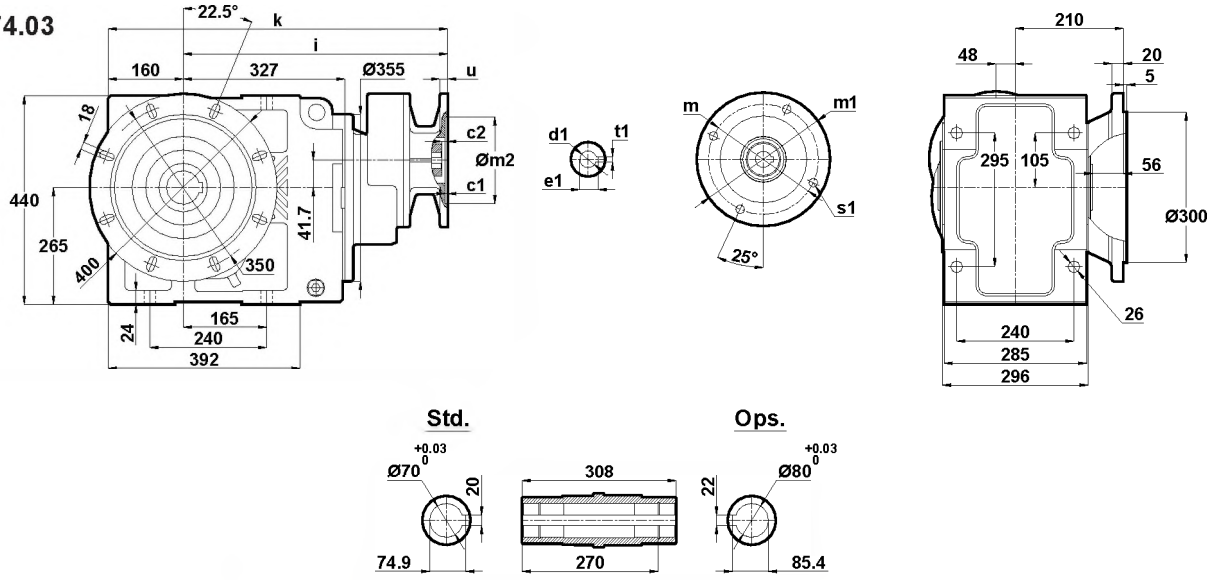
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN674.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

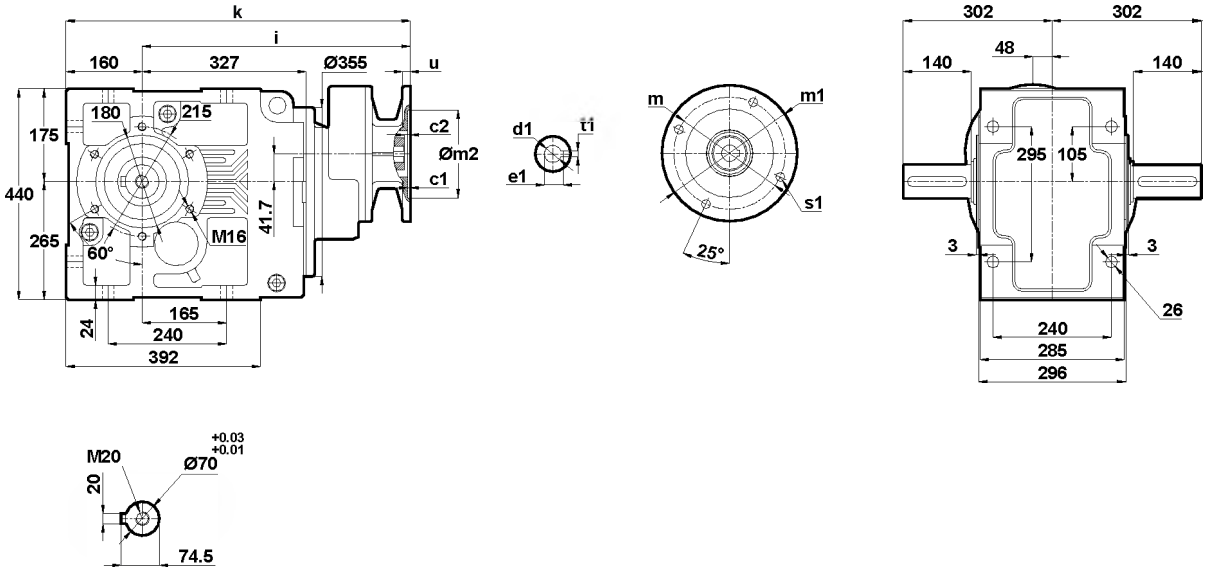
KN674.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

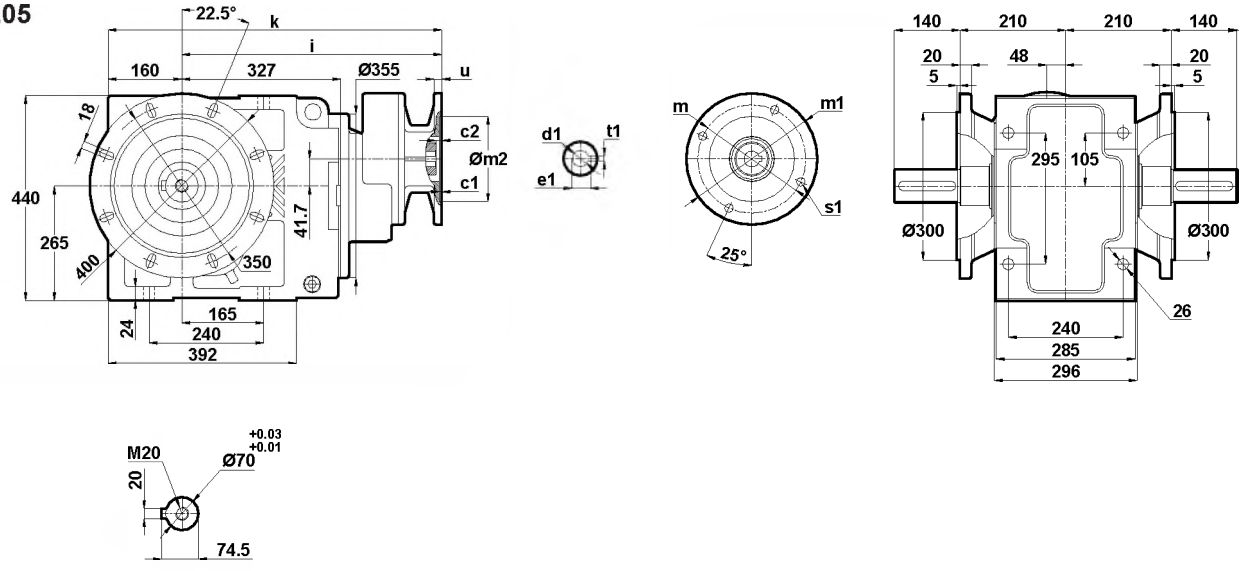
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN674.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

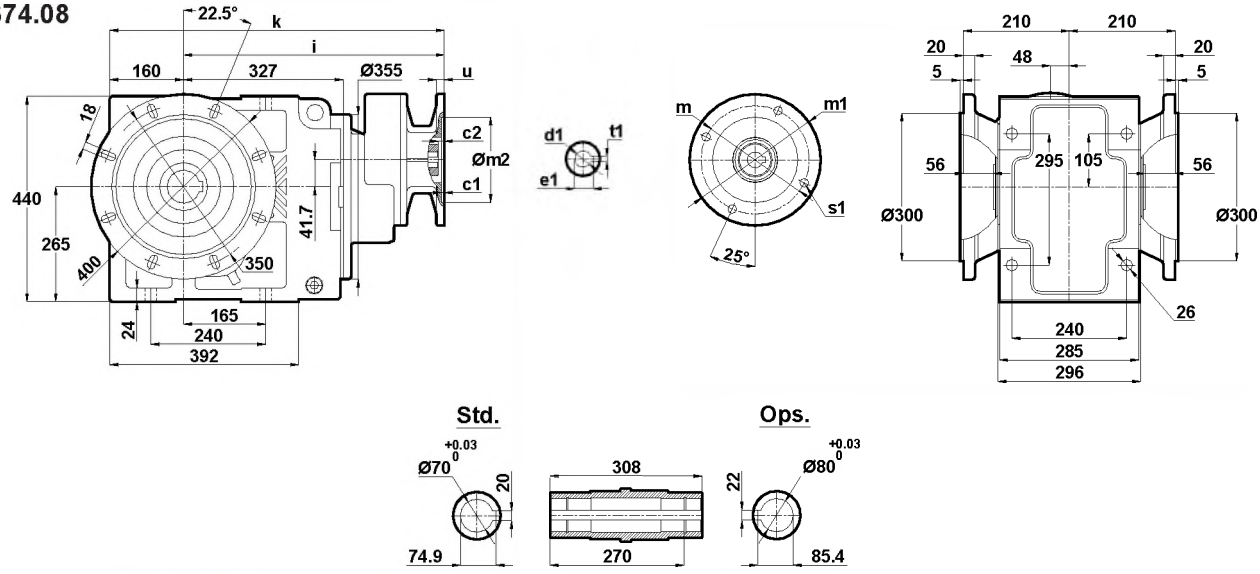
KN674.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 90/B14	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

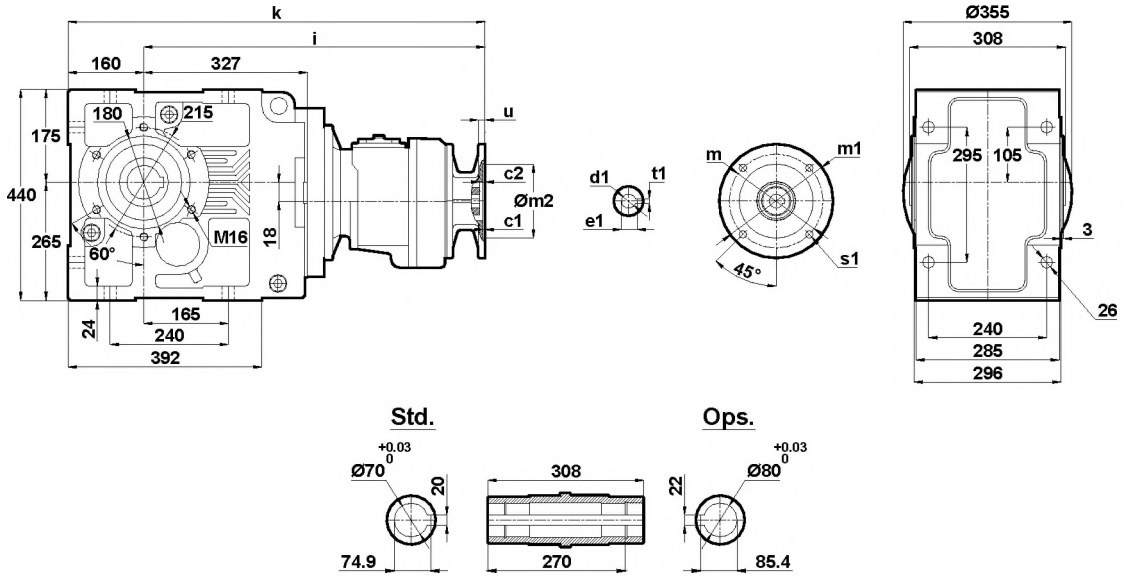
KN674.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
80/B5	4	5	12	162	200	130	486	12	646	19	6	21.8
90/B5 **90/B14**	4	5	13 9	165 115	200 140	130 95	486	12	646	24	8	27.3
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	504	15	664	28	8	31.3

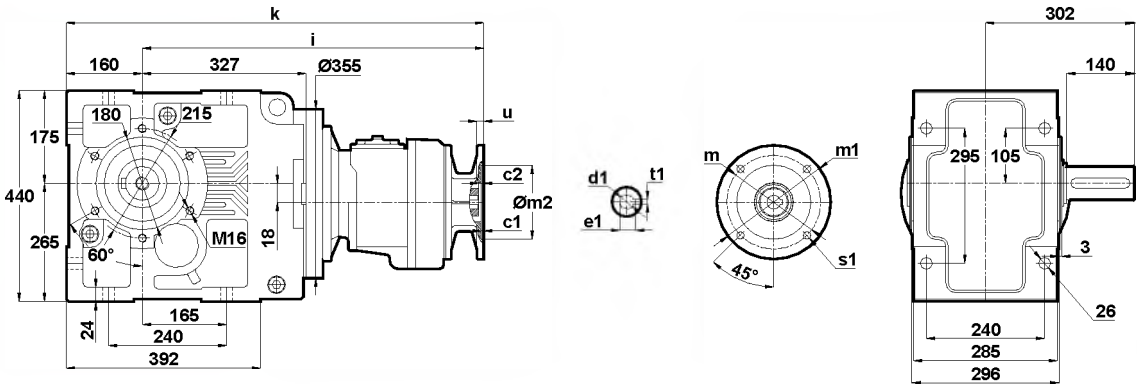
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

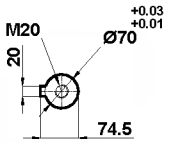
KN675.00
KN676.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

KN675.01
KN676.01

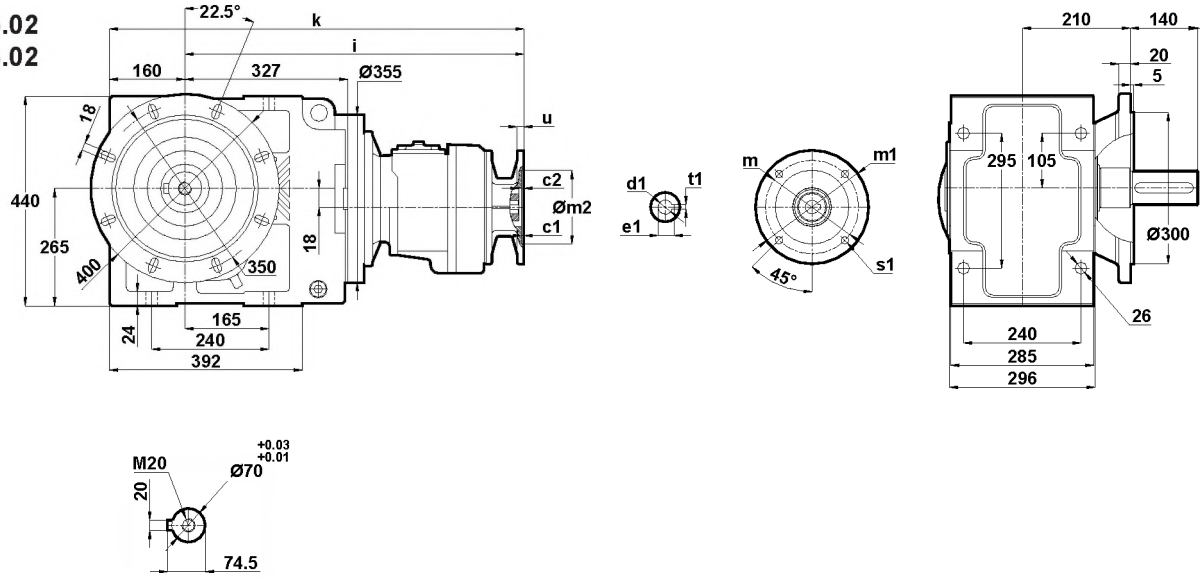




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

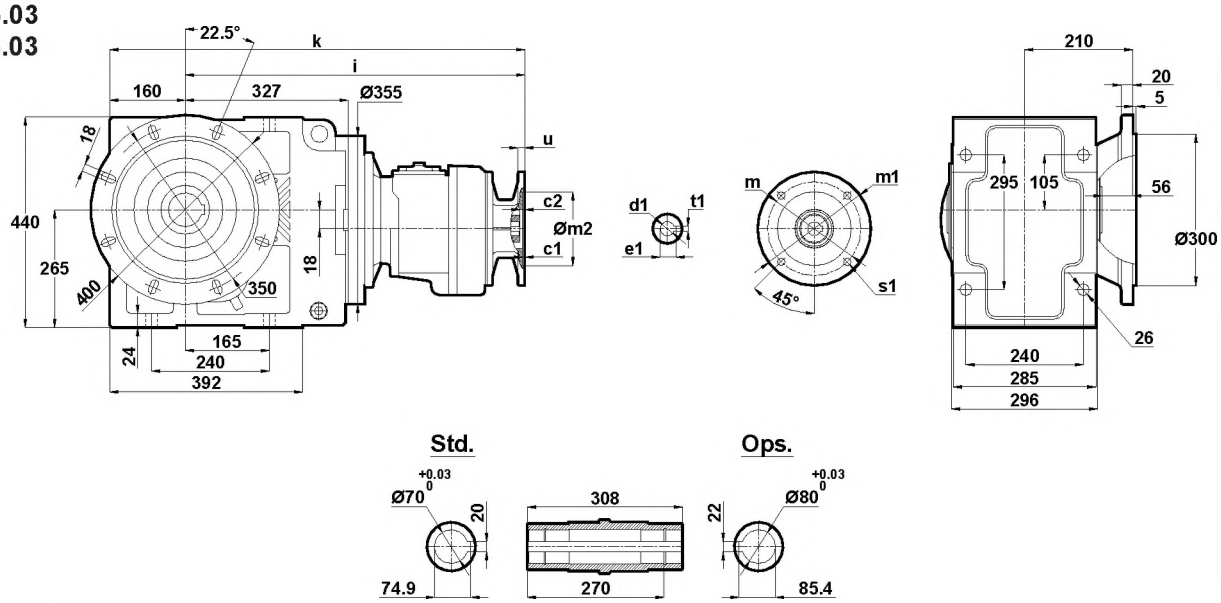
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN675.02
KN676.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

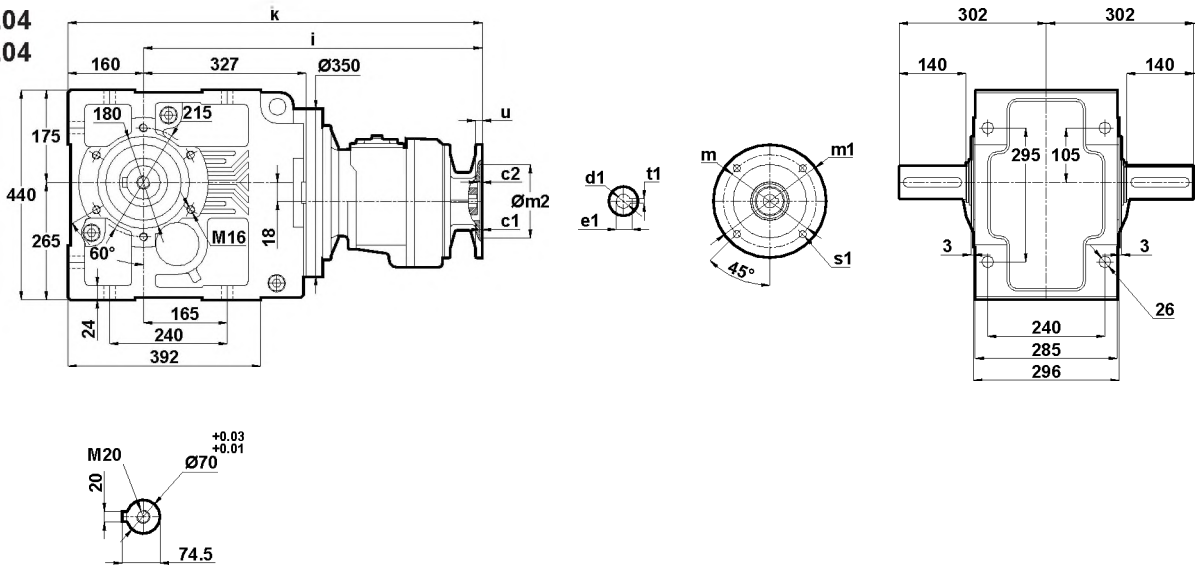
KN675.03
KN676.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

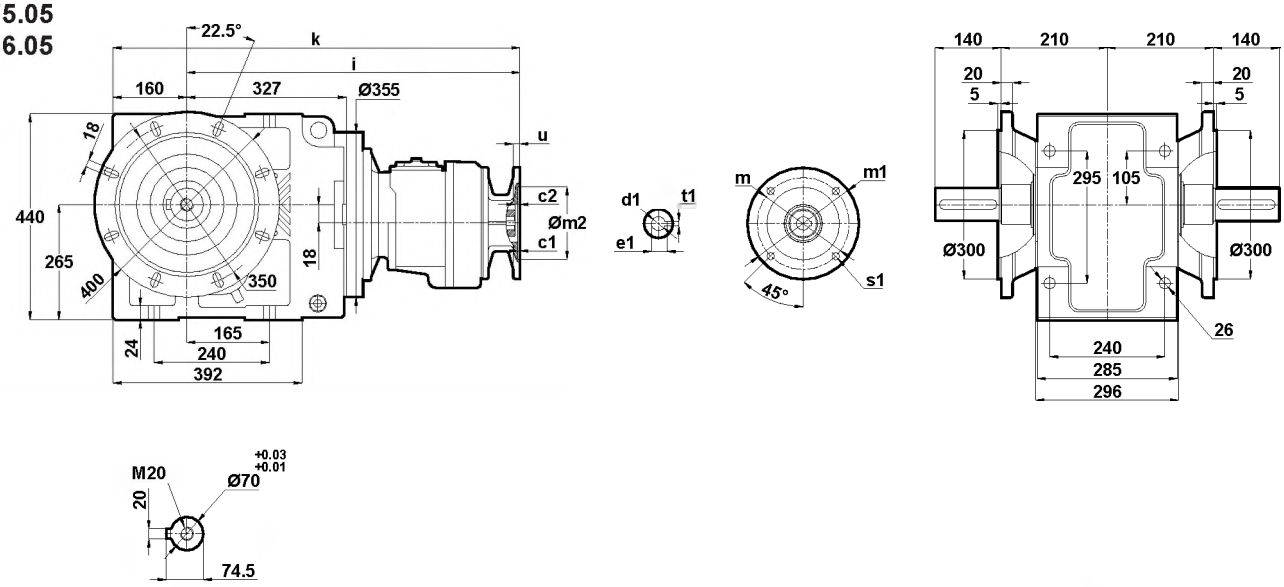
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN675.04
KN676.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

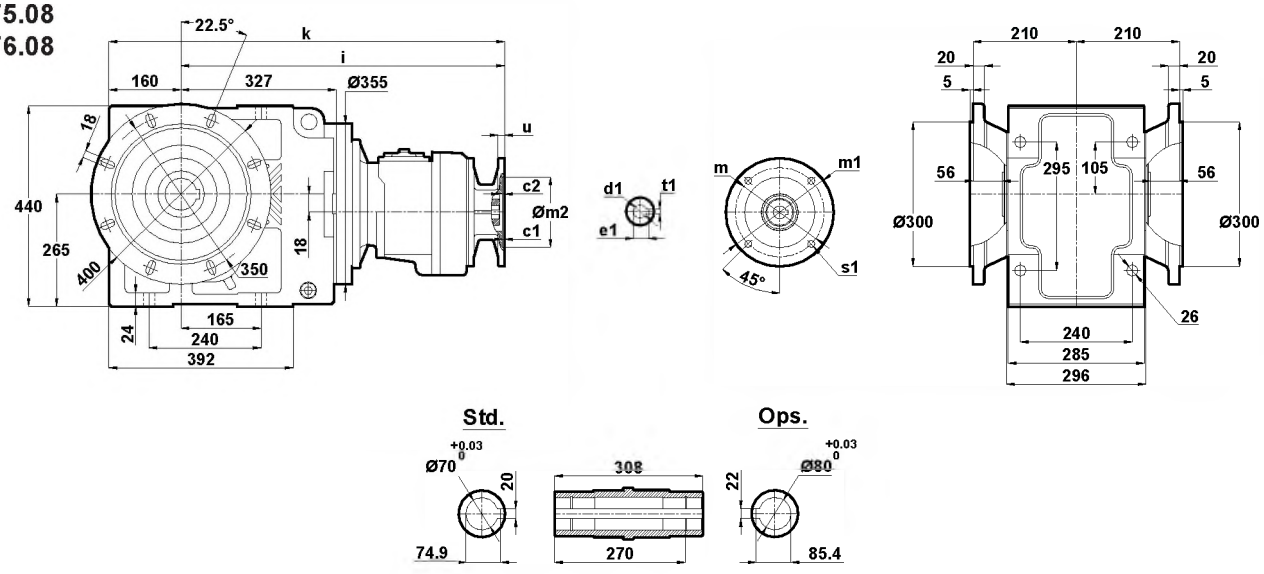
KN675.05
KN676.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 80/B14	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 90/B14	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

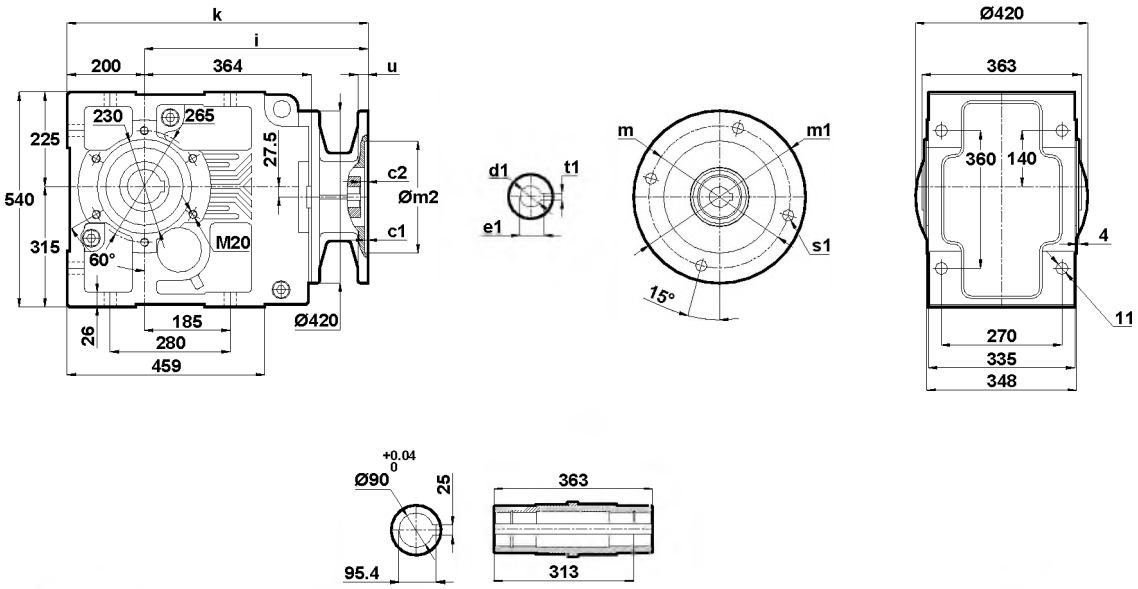
KN675.08
KN676.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	637	12	797	14	5	16.3
80/B5 **80/B14**	4	9	13 7	165 100	200 120	130 80	637	12	797	19	6	21.8
90/B5 **90/B14**	4	9	13 9	165 115	200 140	130 95	637	12	797	24	8	27.3 26.3

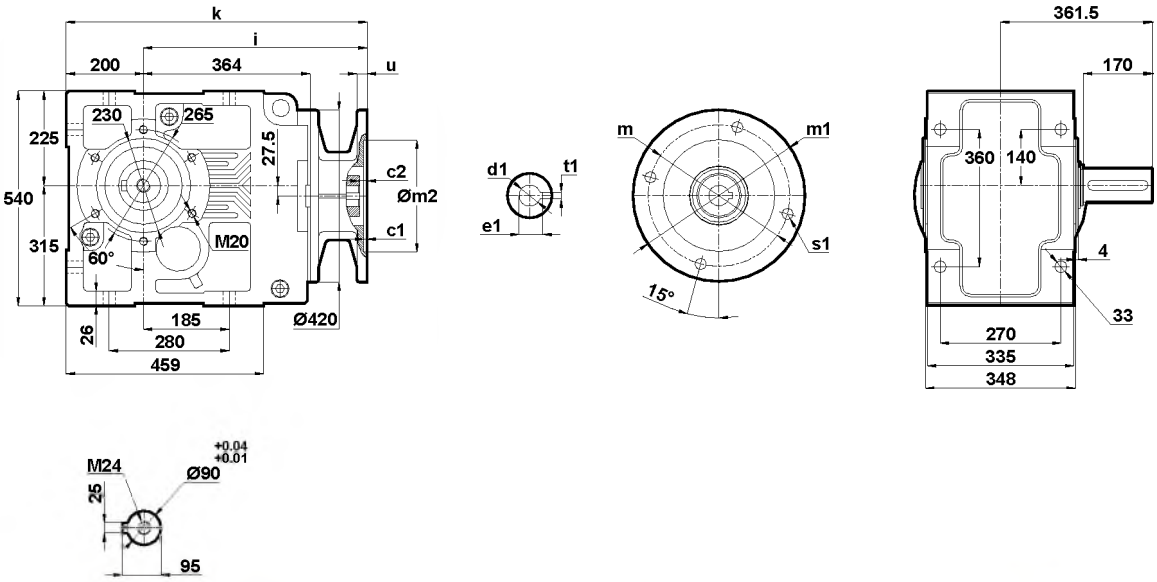
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN773.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

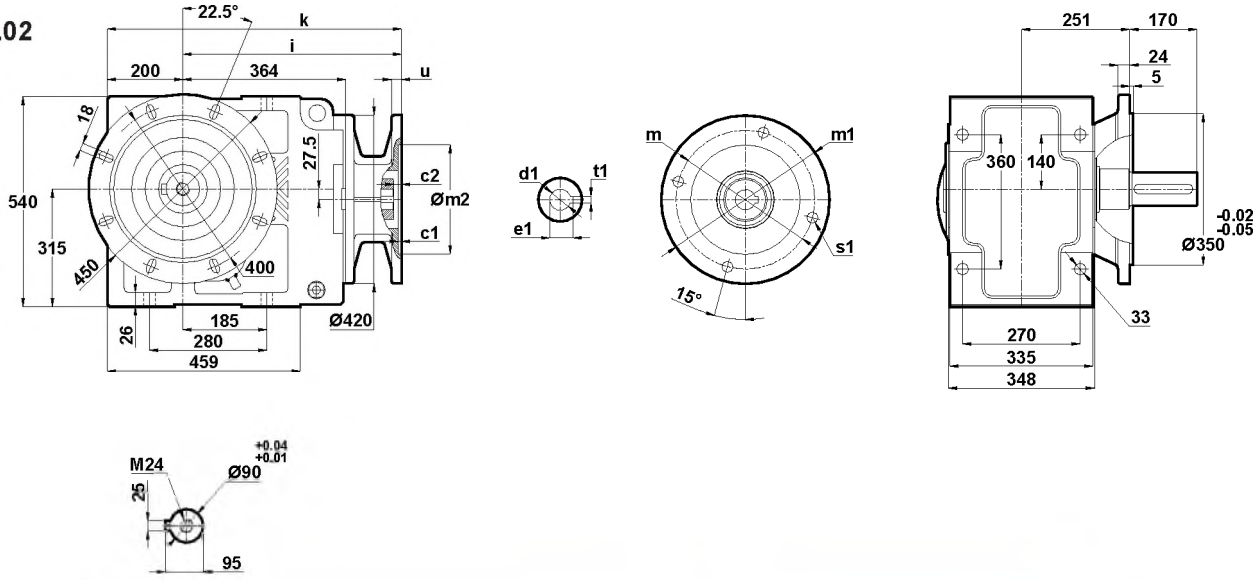
KN773.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

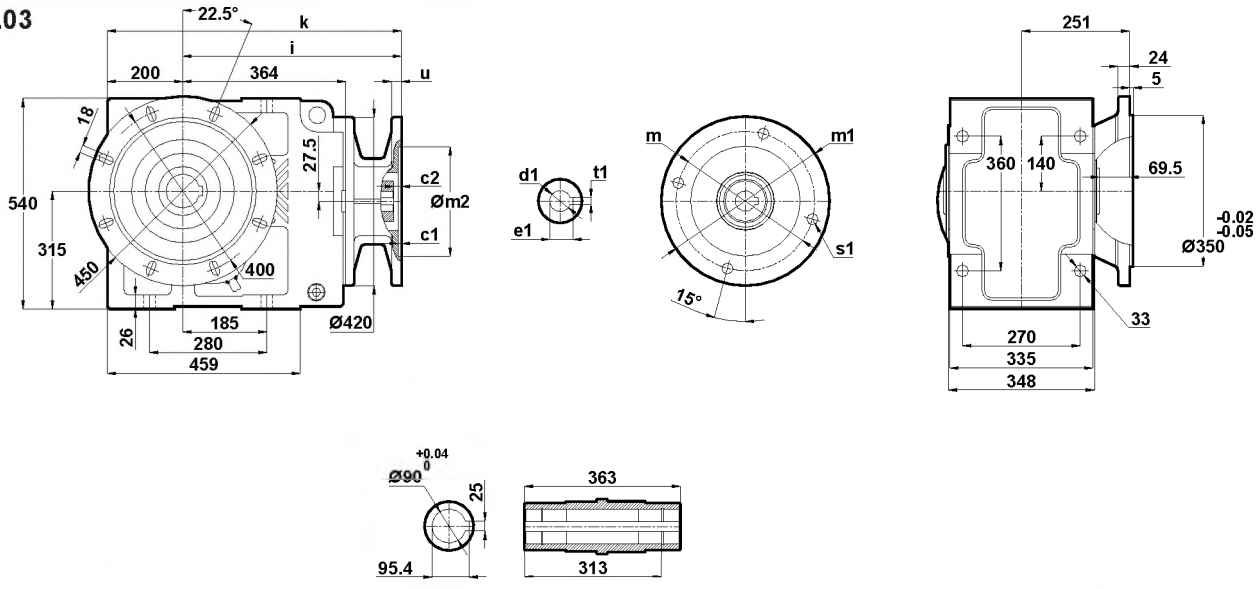
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN773.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

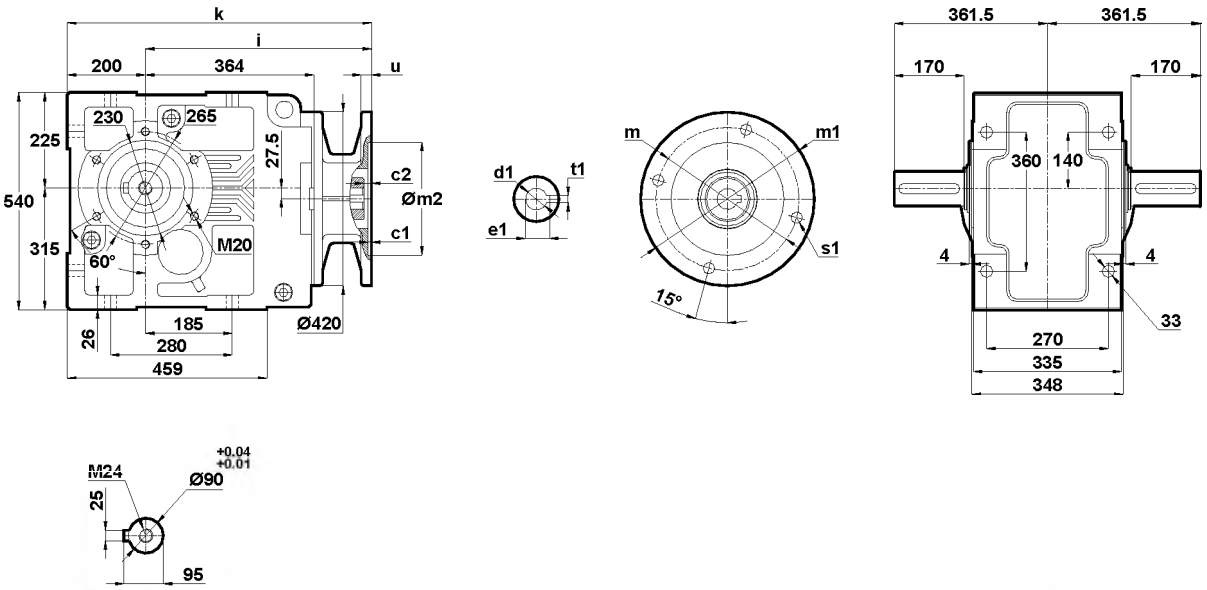
KN773.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

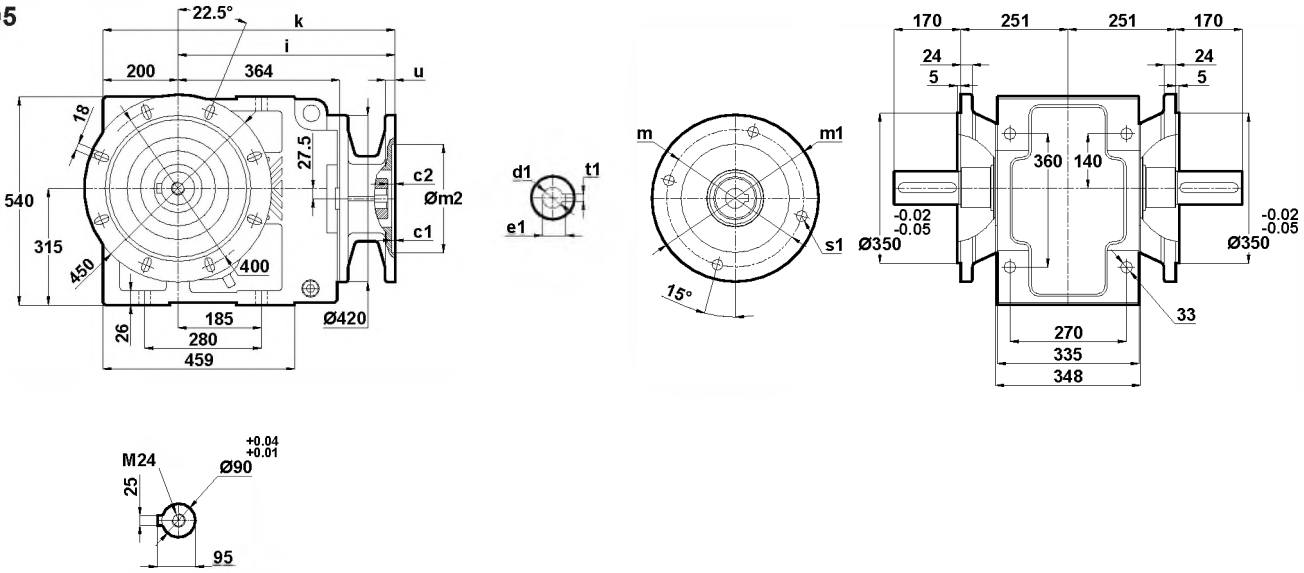
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN773.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

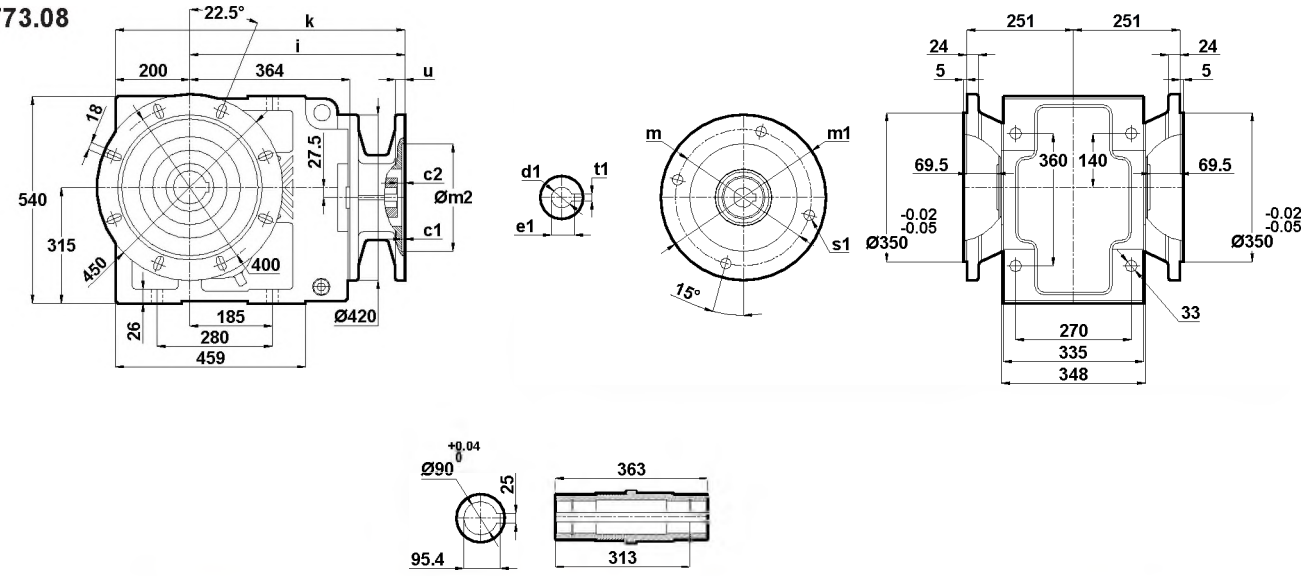
KN773.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

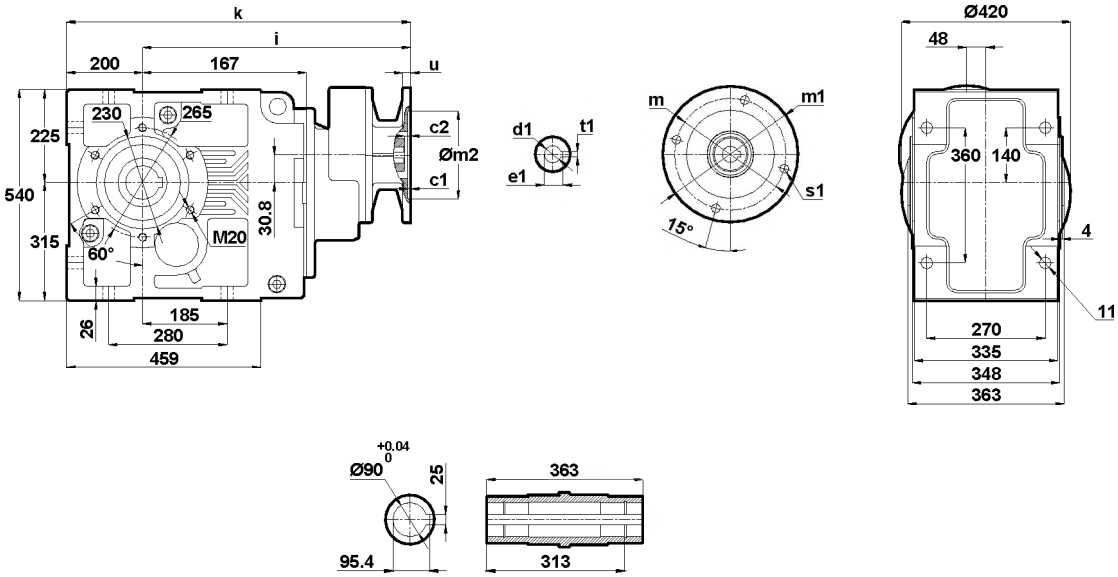
KN773.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	15	15	265	300	230	448	15	648	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

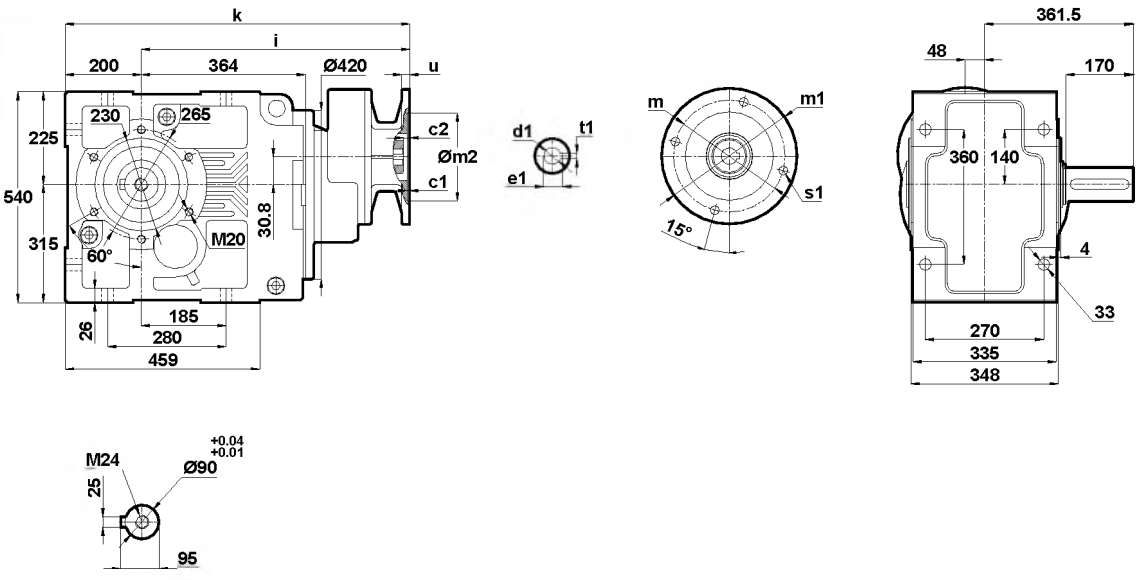
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

KN774.01



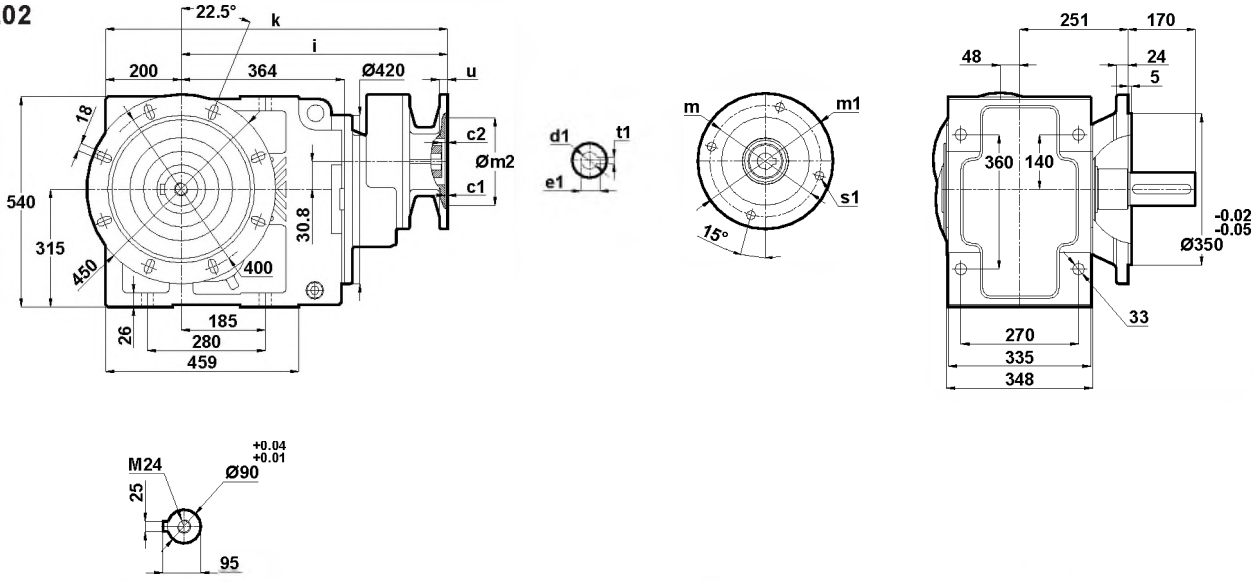
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

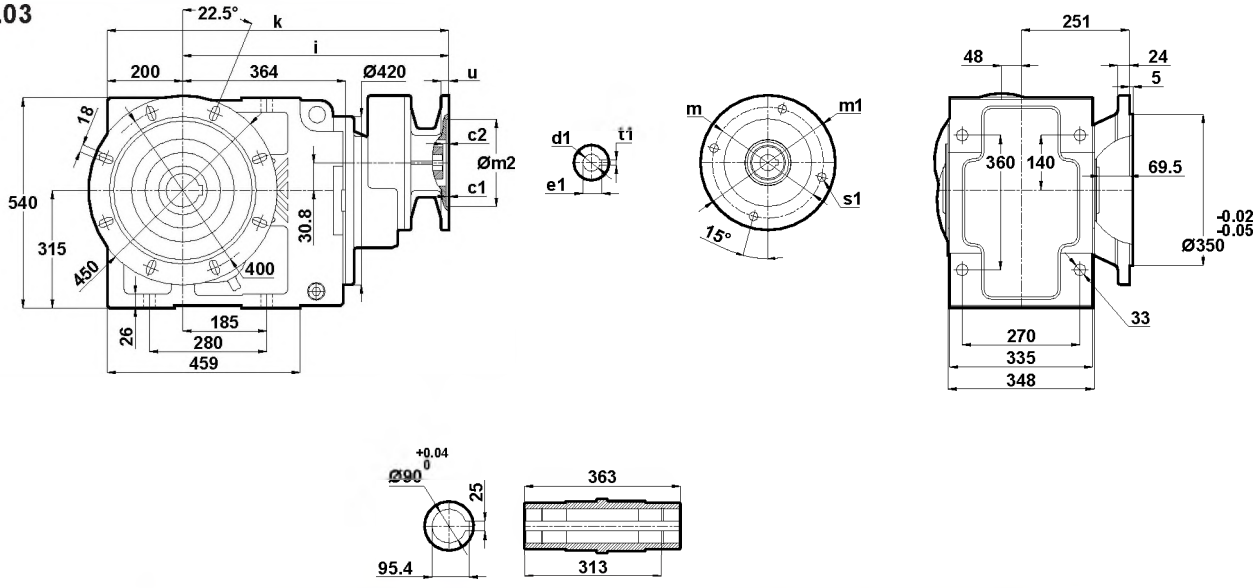
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN774.02



	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	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

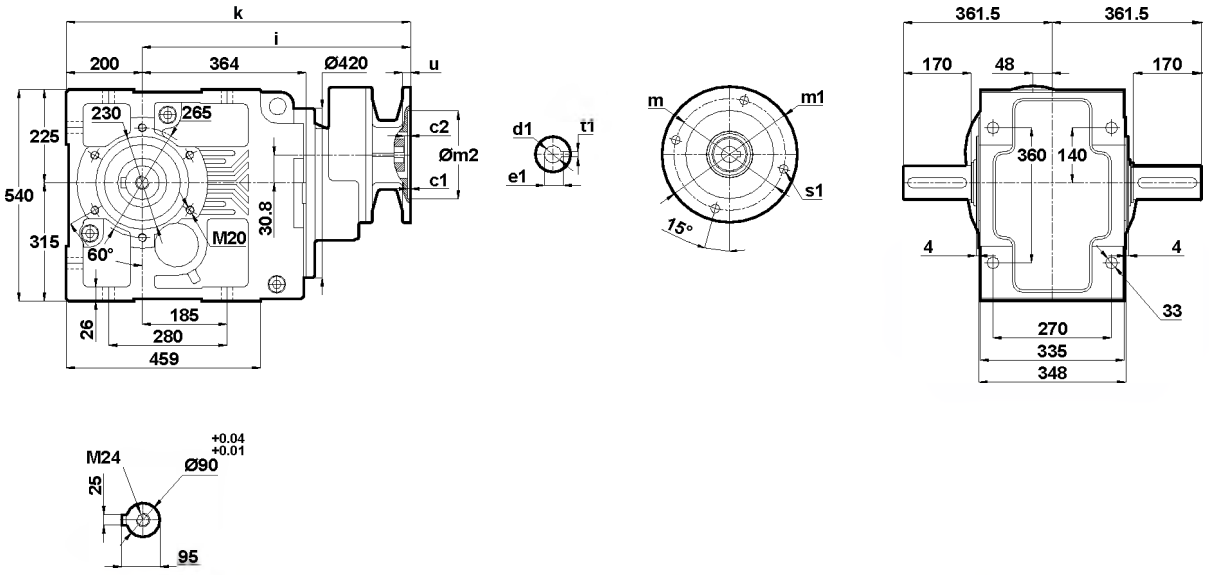
KN774.03



	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	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

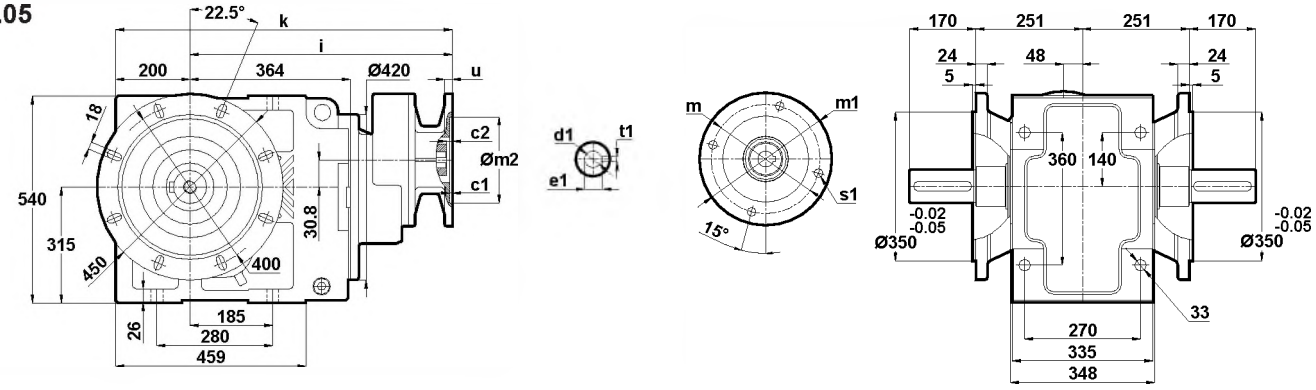
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

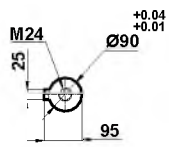
KN774.04



	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	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

KN774.05

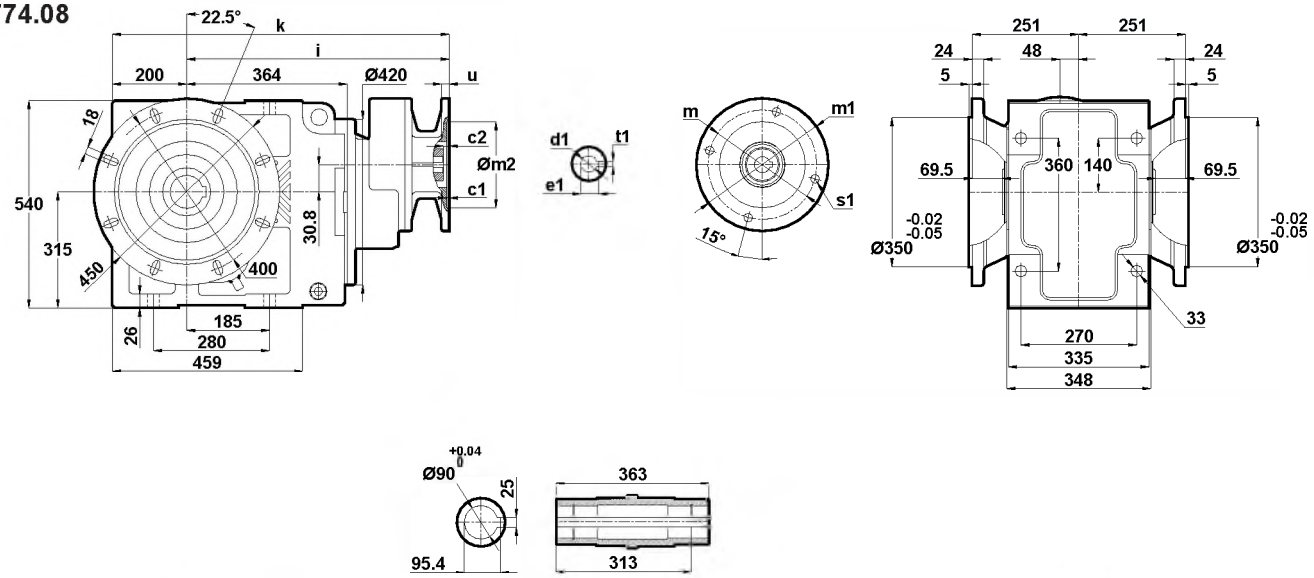




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
90/B5 90/B14	4	5	12 9	165 115	200 140	130 95	523	12	723	24	8	27.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 132/B14	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

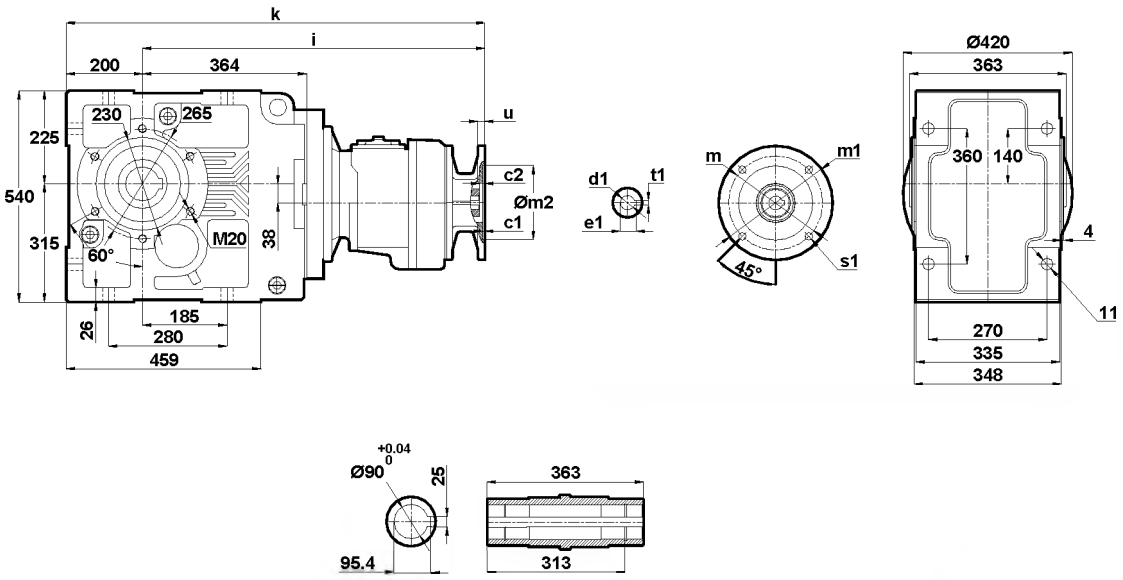
KN774.08



	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	523	12	723	24	8	27.3
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	541	15	741	28	8	31.3
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	560	15	741	28	8	31.3
132/B5 **132/B14**	4.5	6	15 11	265 165	300 200	230 130	639	15	760	38	10	41.3

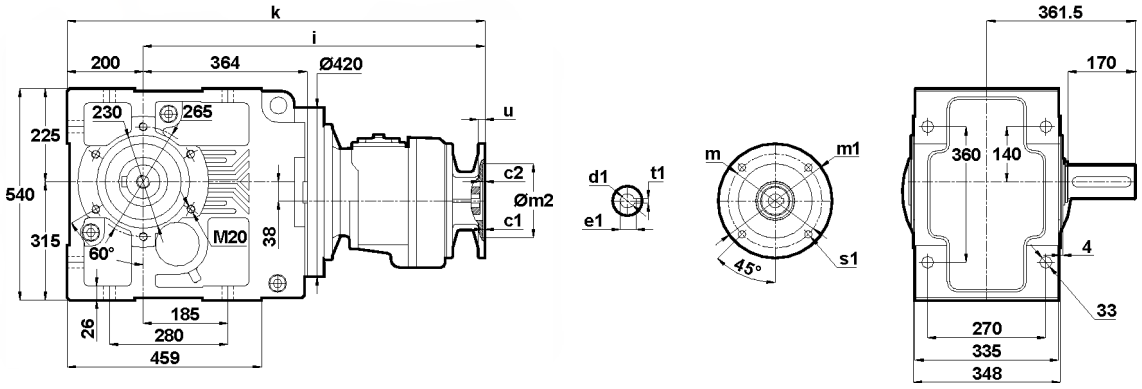
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

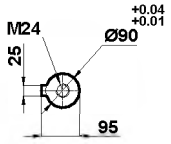
KN775.00
KN776.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

KN775.01
KN776.01

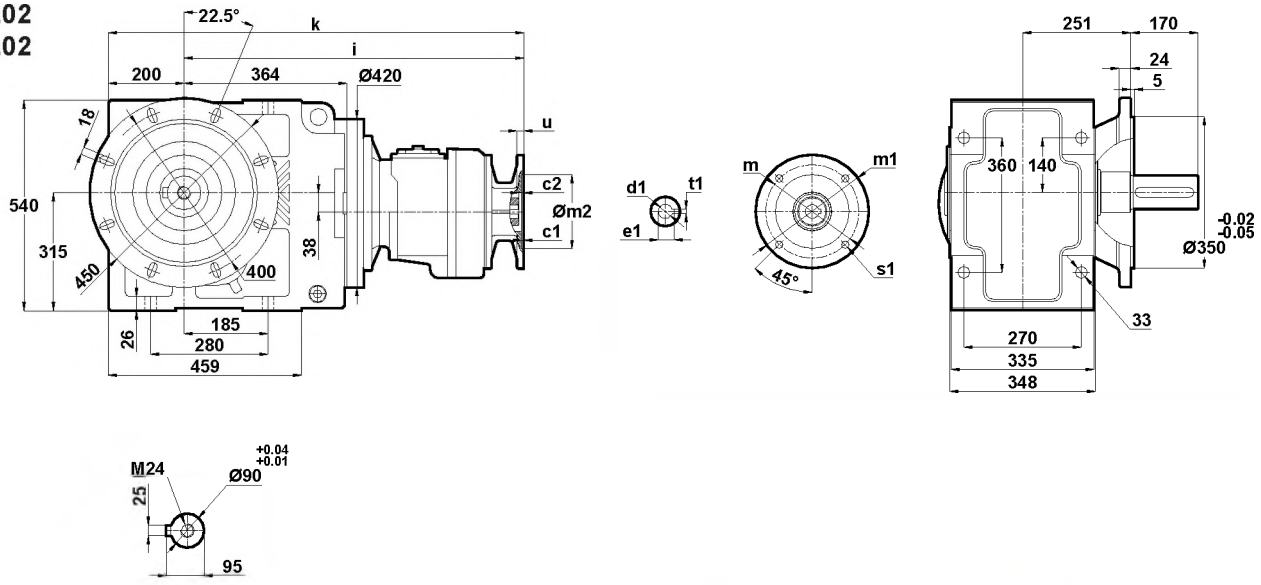




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

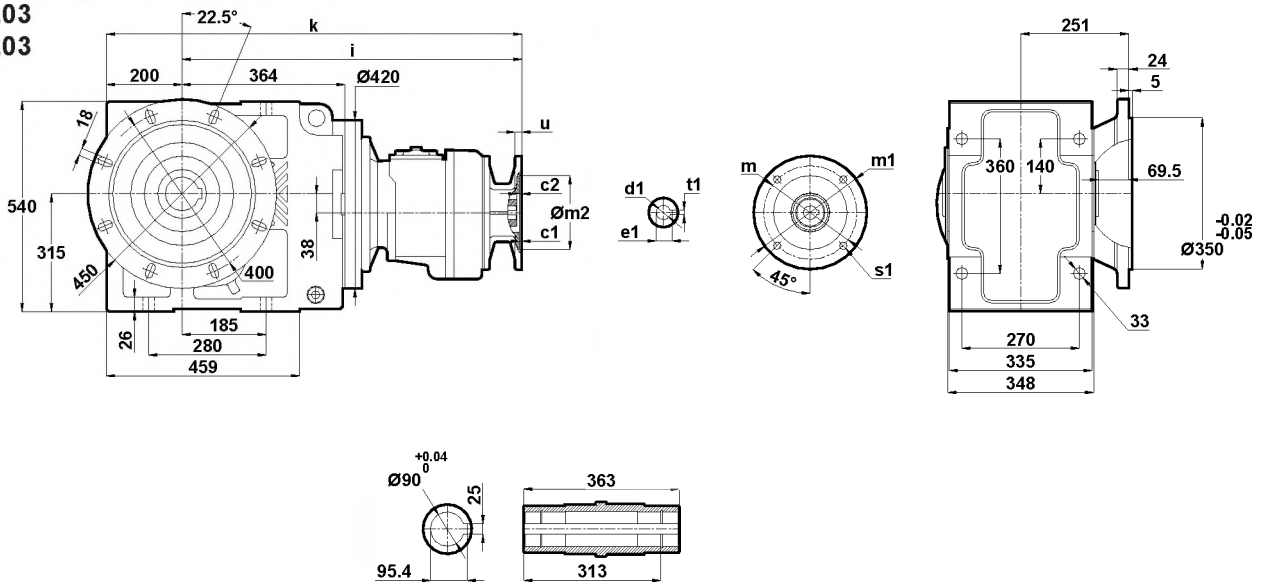
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN775.02
KN776.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

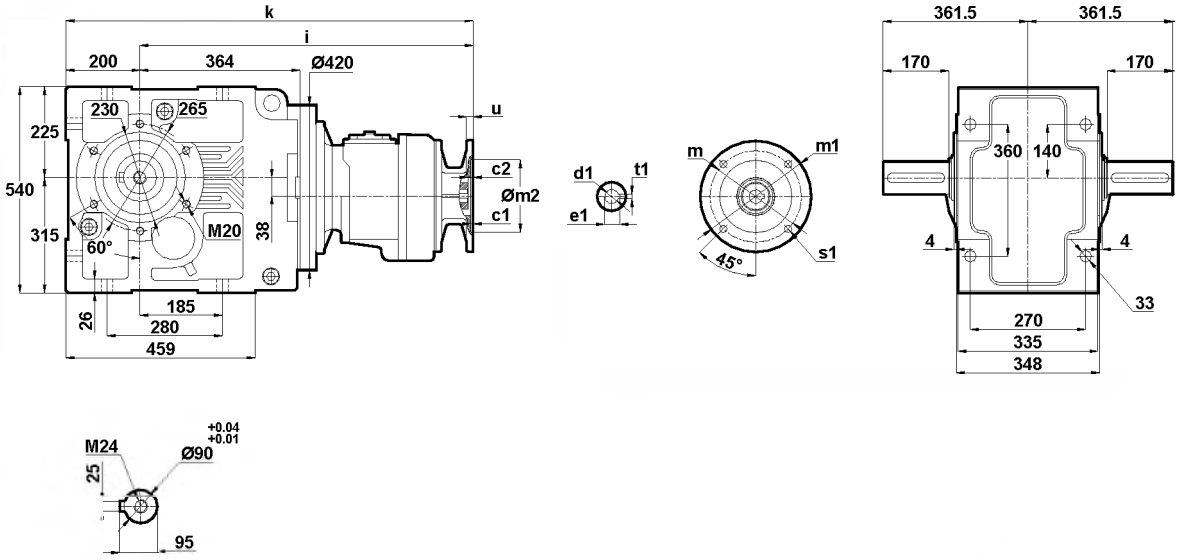
KN775.03
KN776.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

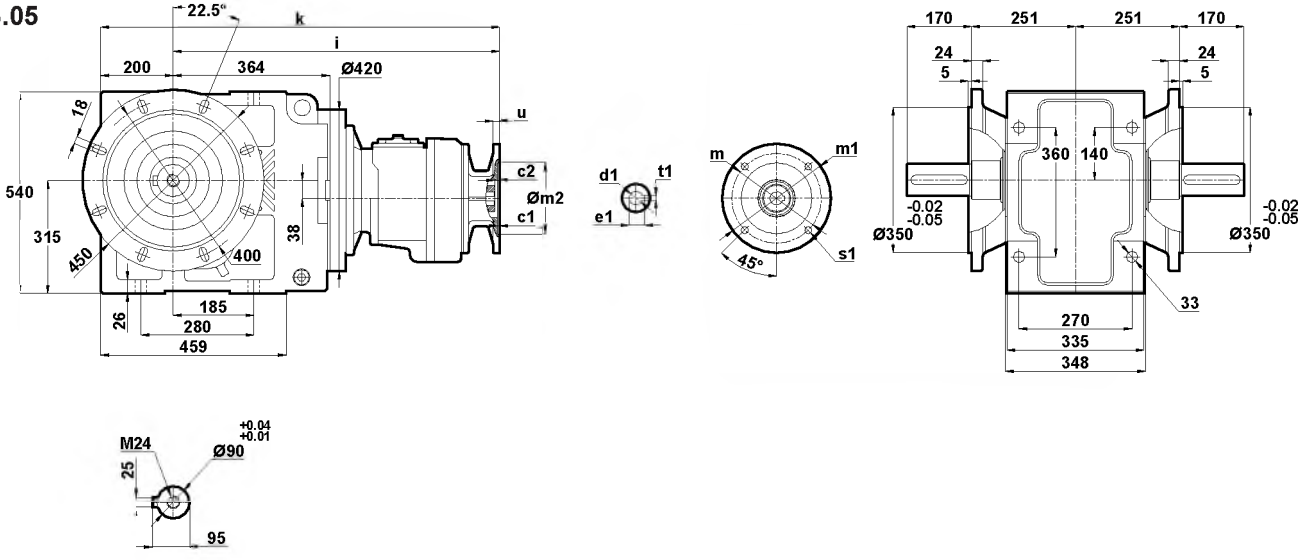
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN775.04
KN776.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

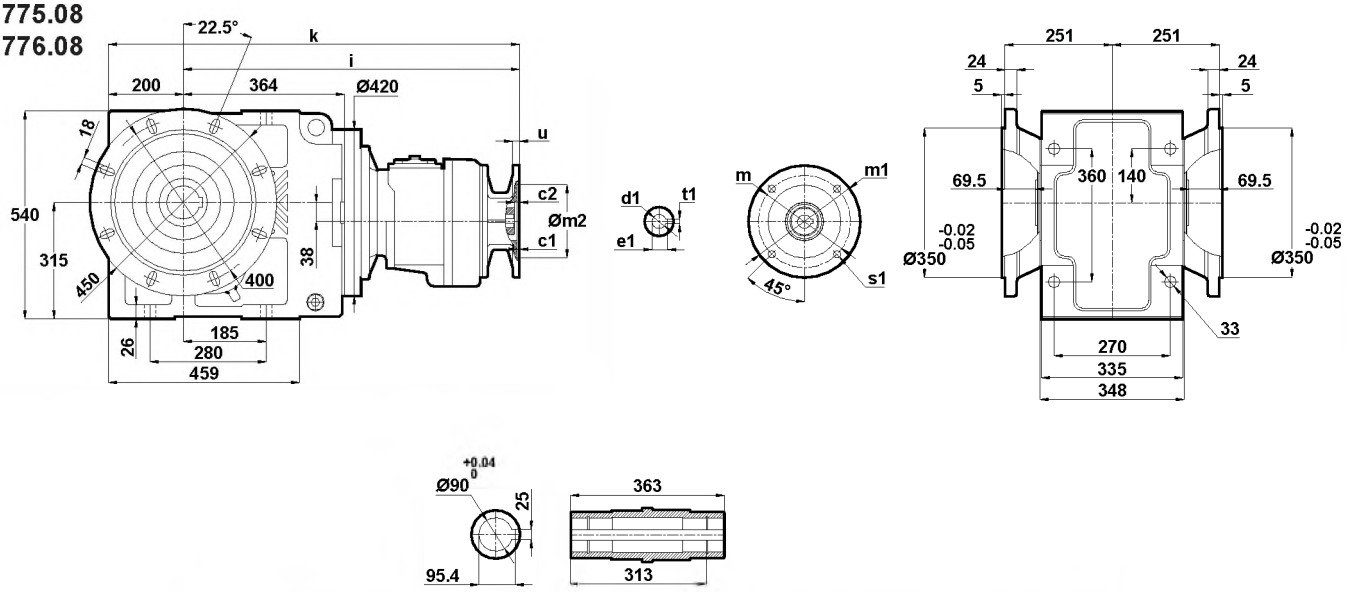
KN775.05
KN776.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

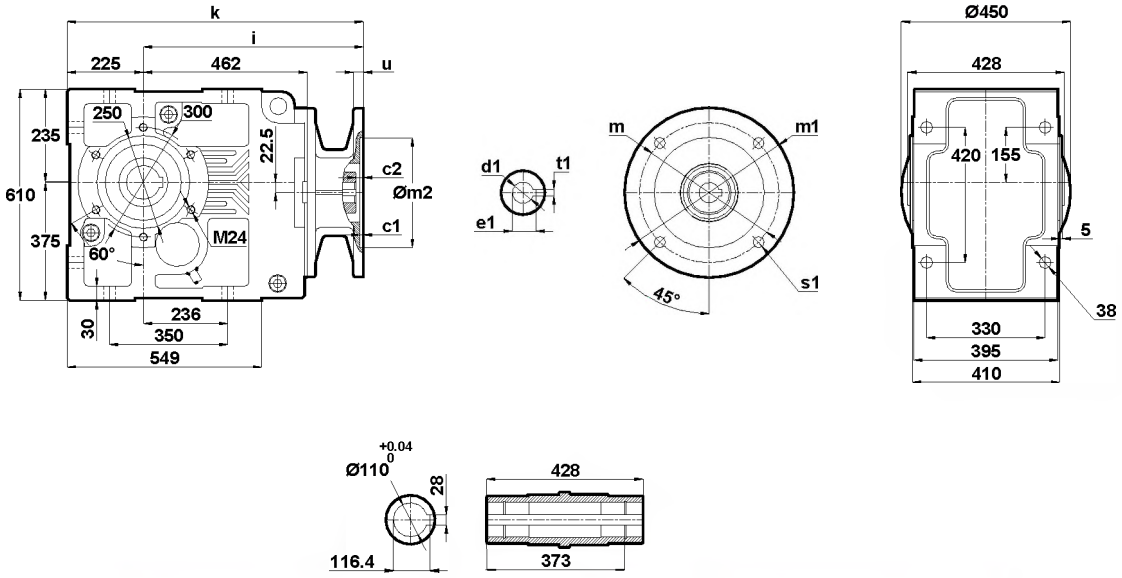
KN775.08
KN776.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	674	12	874	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	674	12	874	19	6	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 90	674	12	874	24	8	27.3 26.3
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	691	15	891	28	8	31.3

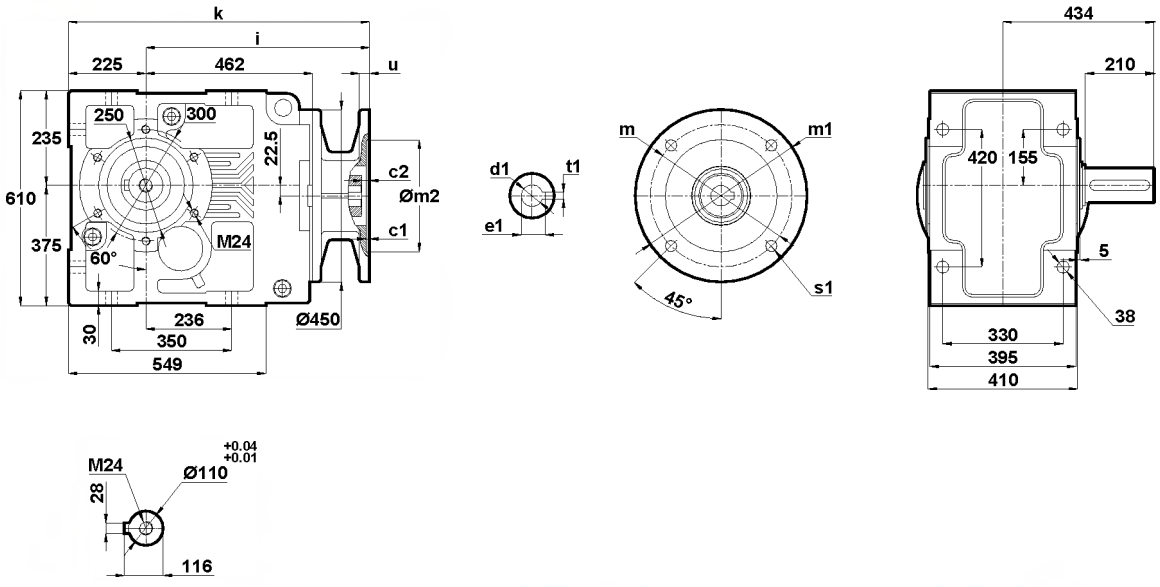
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN873.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

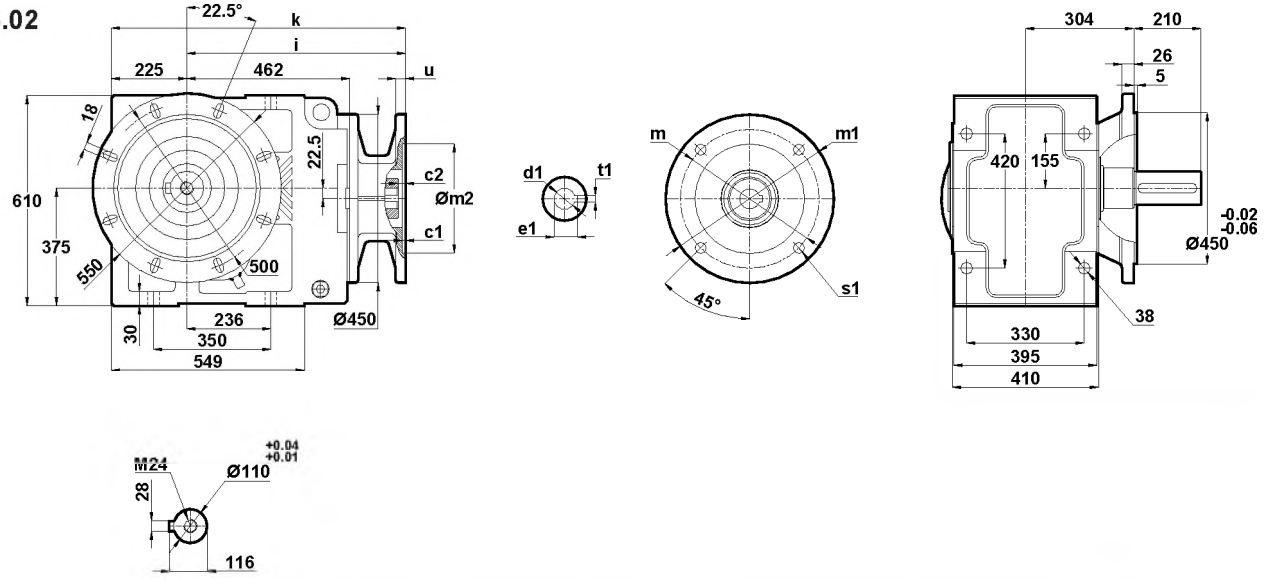
KN873.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

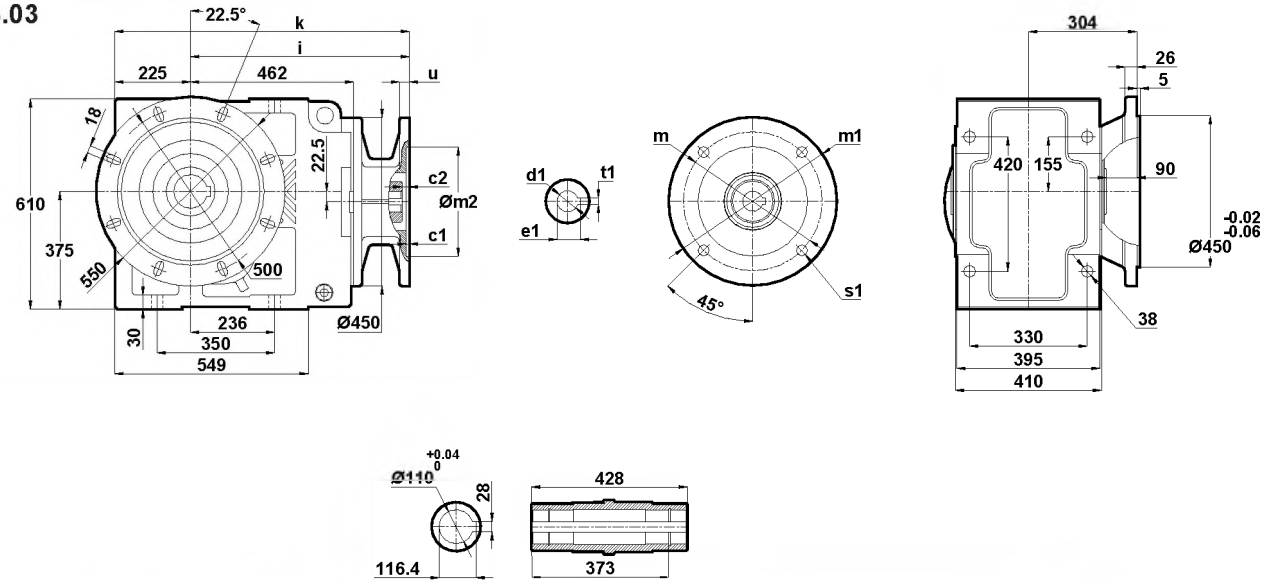
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN873.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

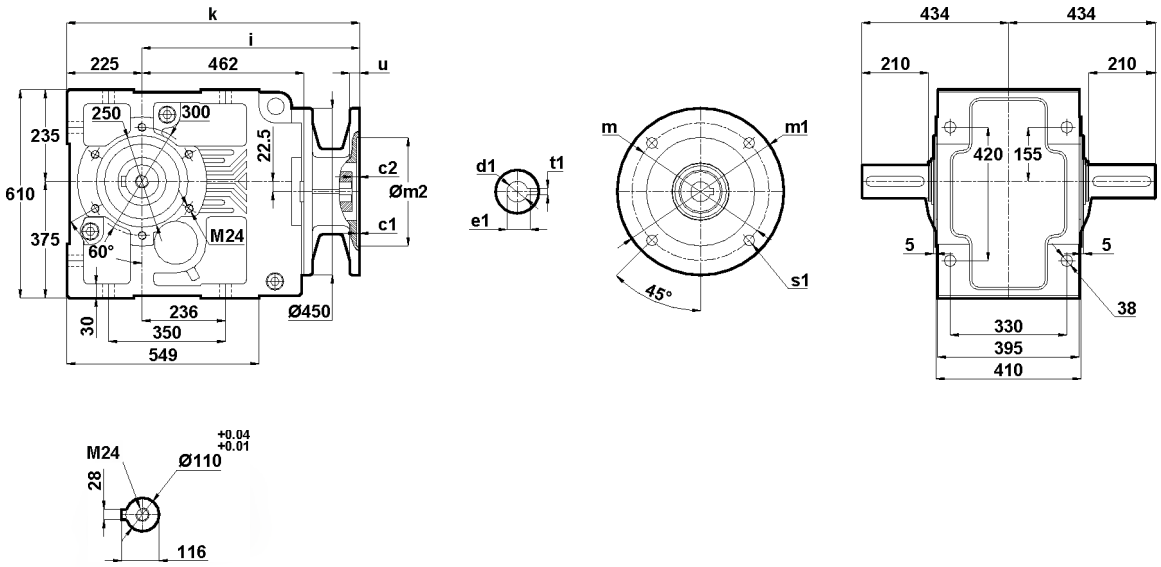
KN873.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

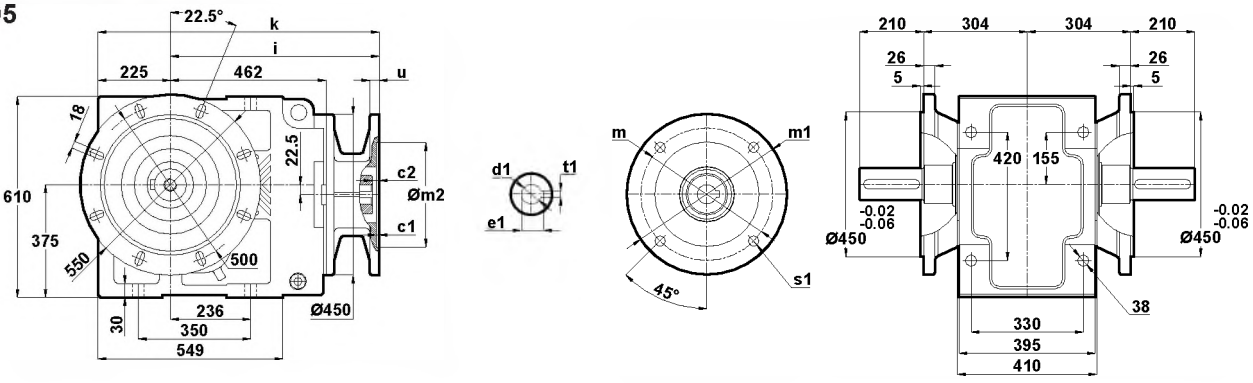
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

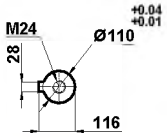
KN873.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

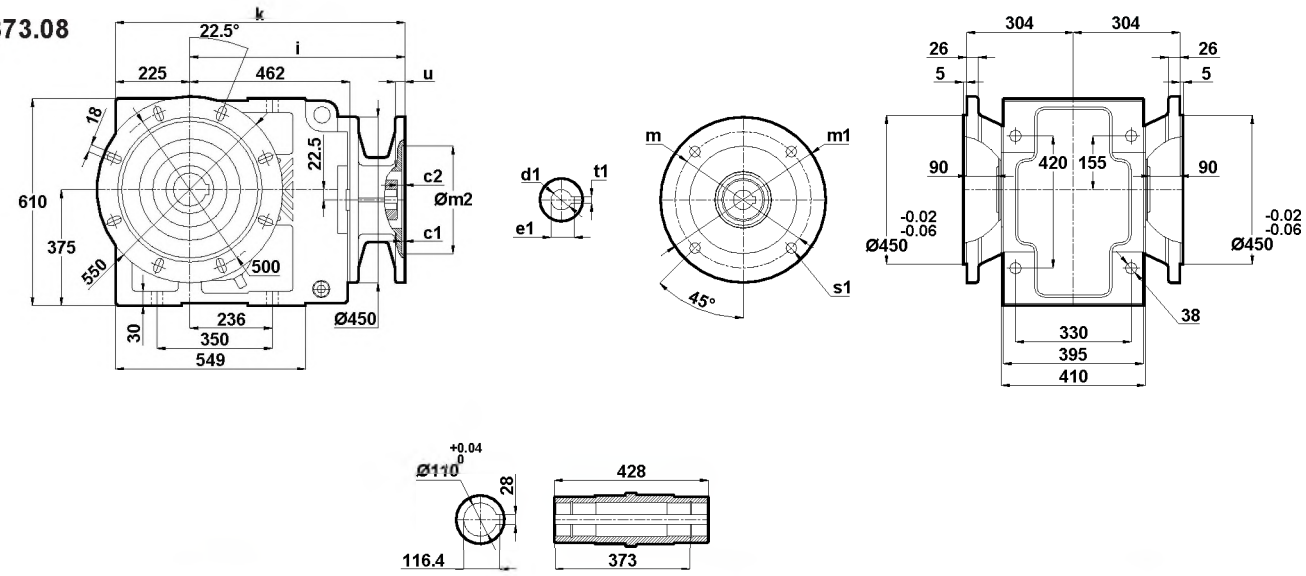




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	38	10	41.3
160/B5	5.5	10	19	300	350	250	680	20	905	42	12	45.3
180/B5	5.5	10	19	300	350	250	680	20	905	48	14	51.8
200/B4	5.5	10	19	350	400	300	680	22	905	55	16	59.3
225/B5	5.5	10	19	400	450	350	680	24	905	60	18	64.4
250/B5	5.5	10	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

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

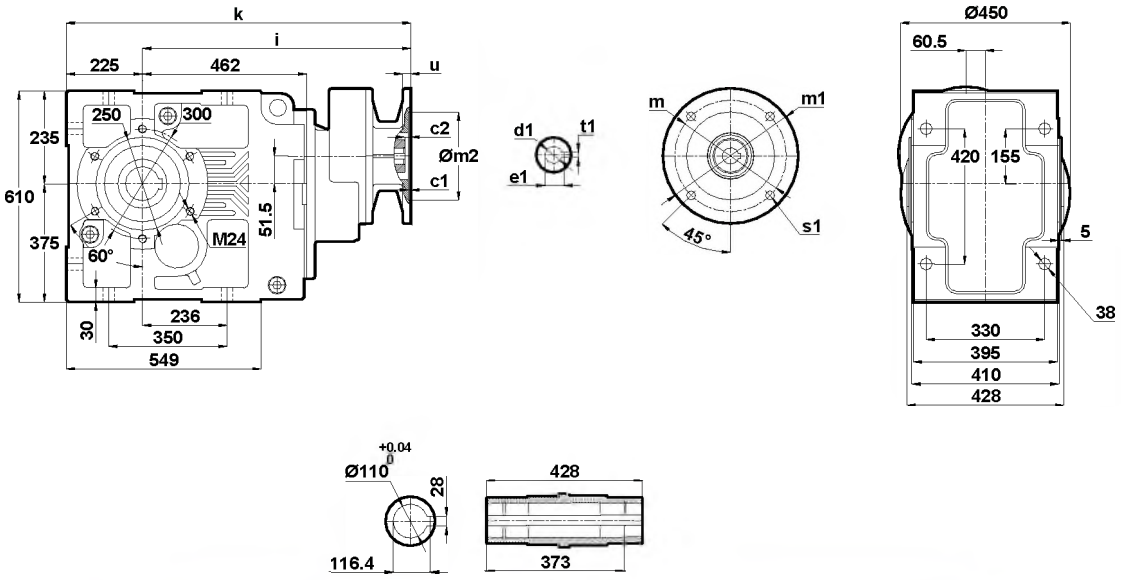
KN873.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
132/B5	4.5	14	15	265	300	230	535	15	760	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/B4	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

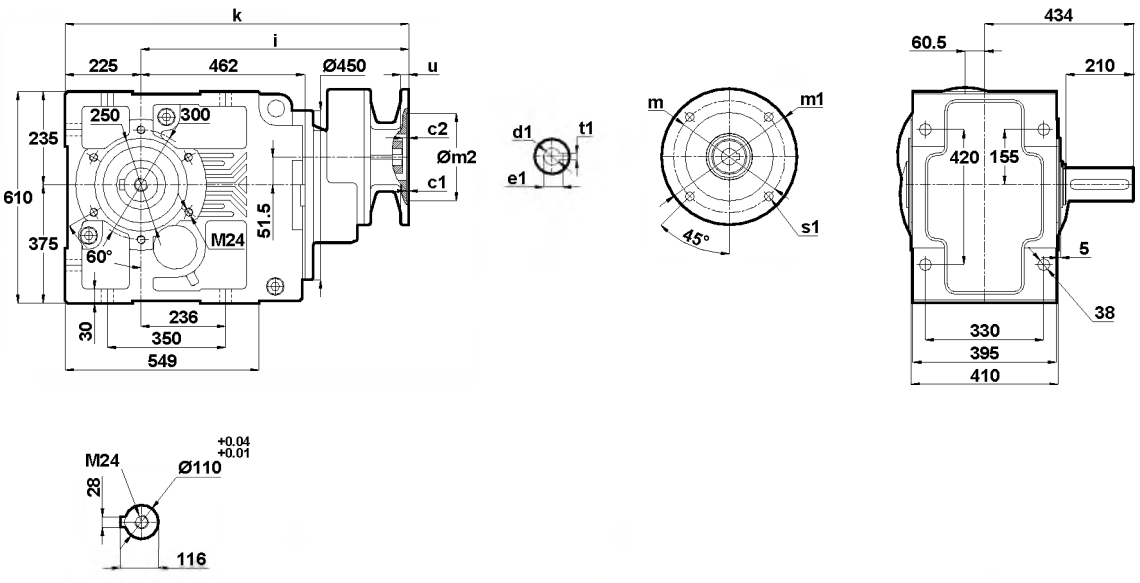
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN874.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

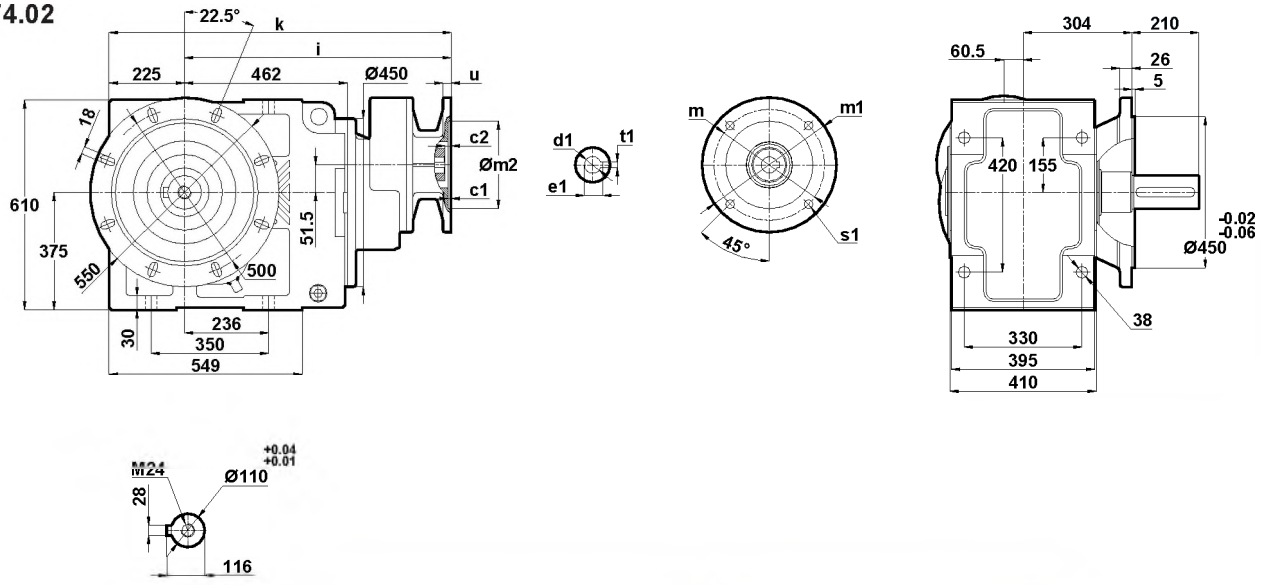
KN874.01



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

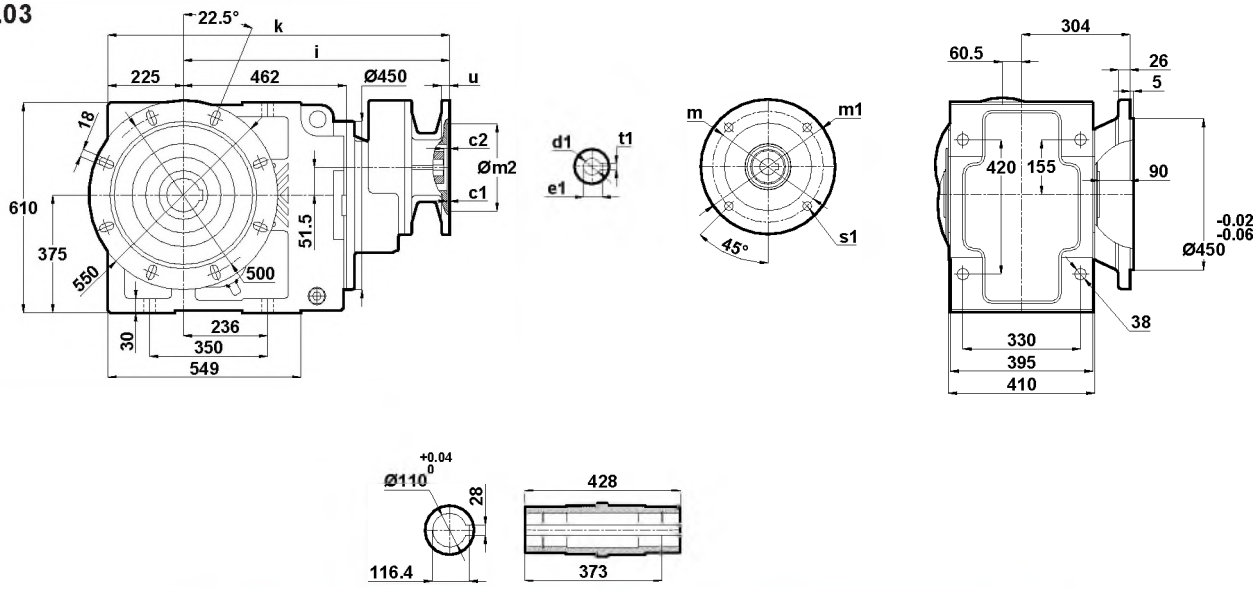
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN874.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

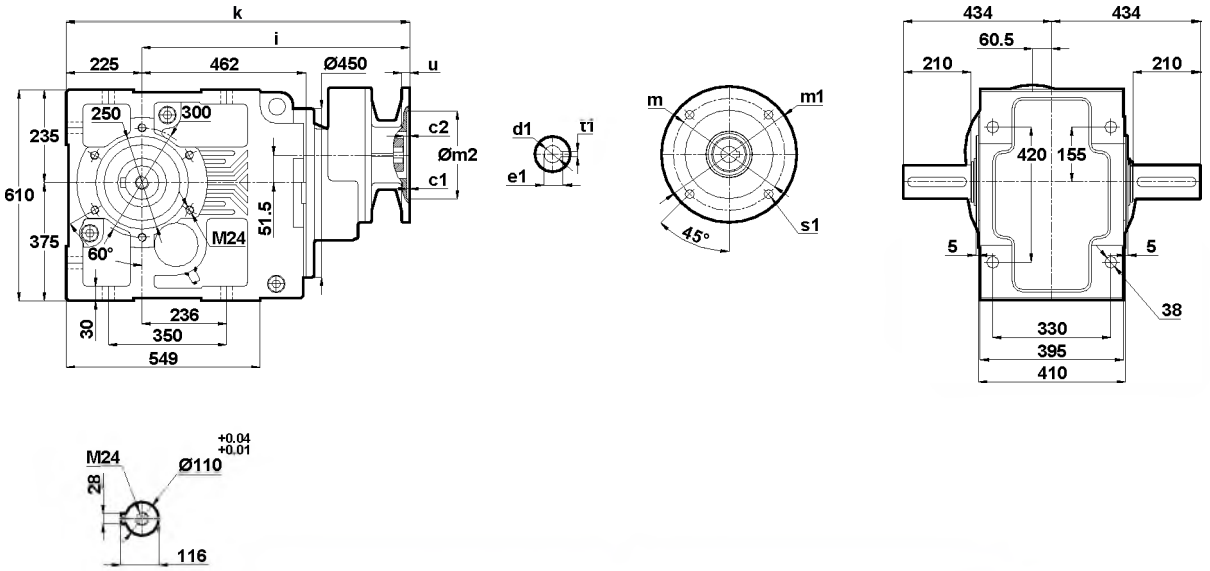
KN874.03



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

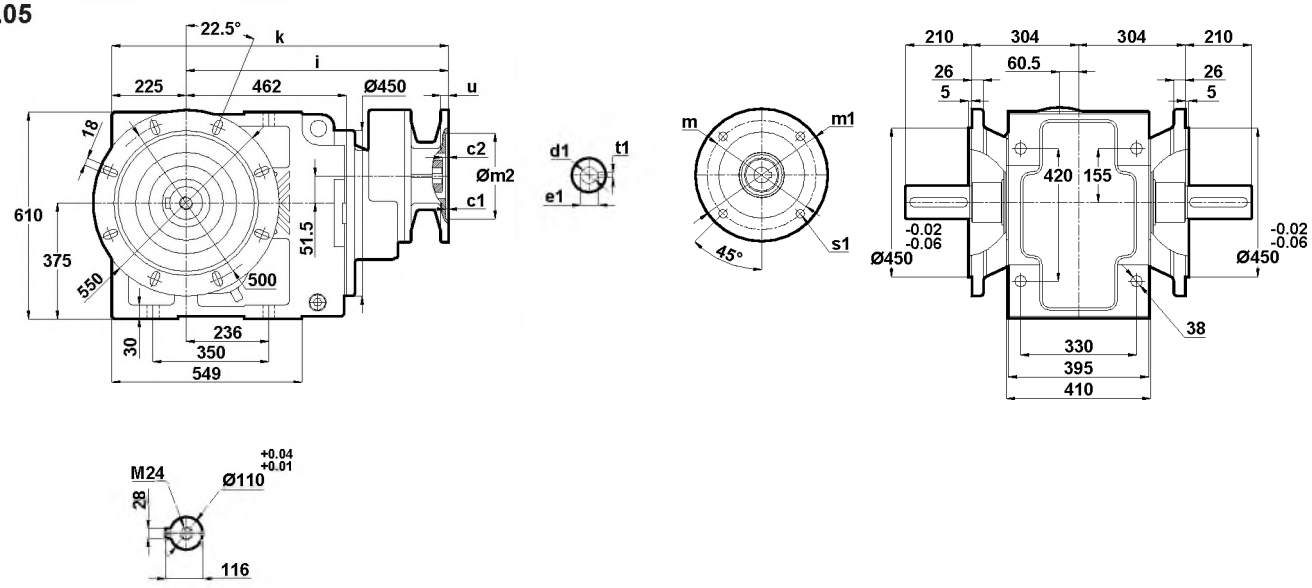
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN874.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

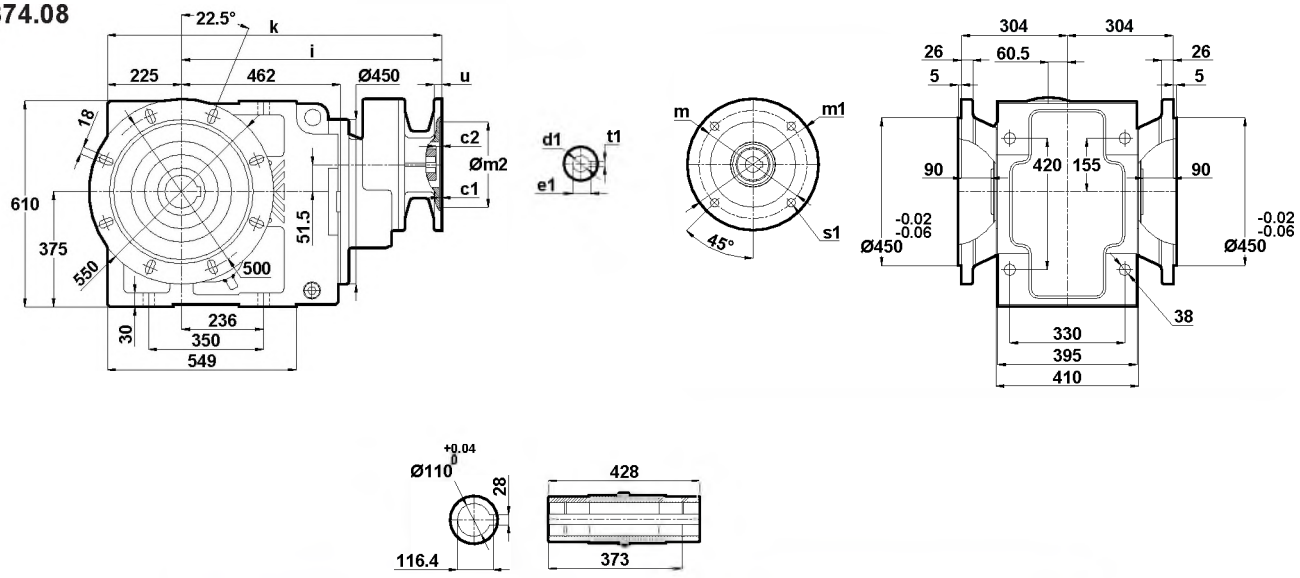
KN874.05



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 132/B14	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

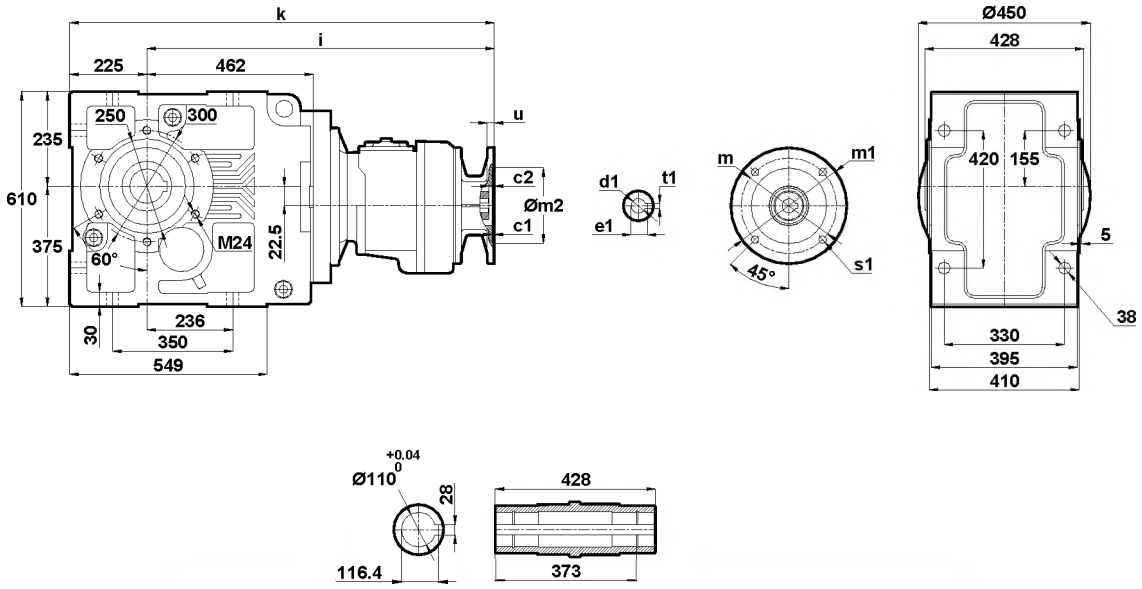
KN874.08



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
100/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
112/B5	4.5	20	15	215	250	180	653	15	878	28	8	31.3
132/B5 **132/B14**	4.5	9	15 11	265 165	300 200	230 130	674	15	899	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

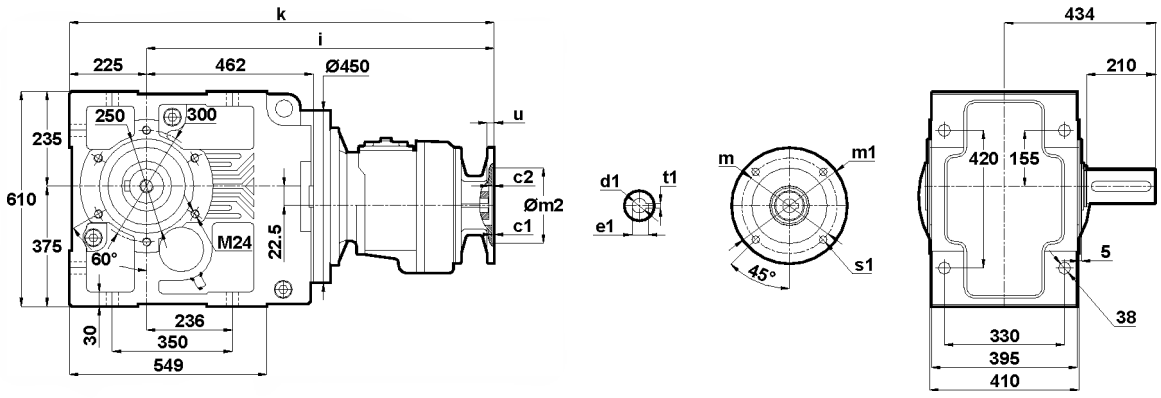
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

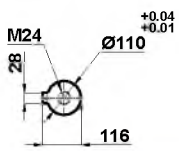
KN875.00
KN876.00



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

KN875.01
KN876.01

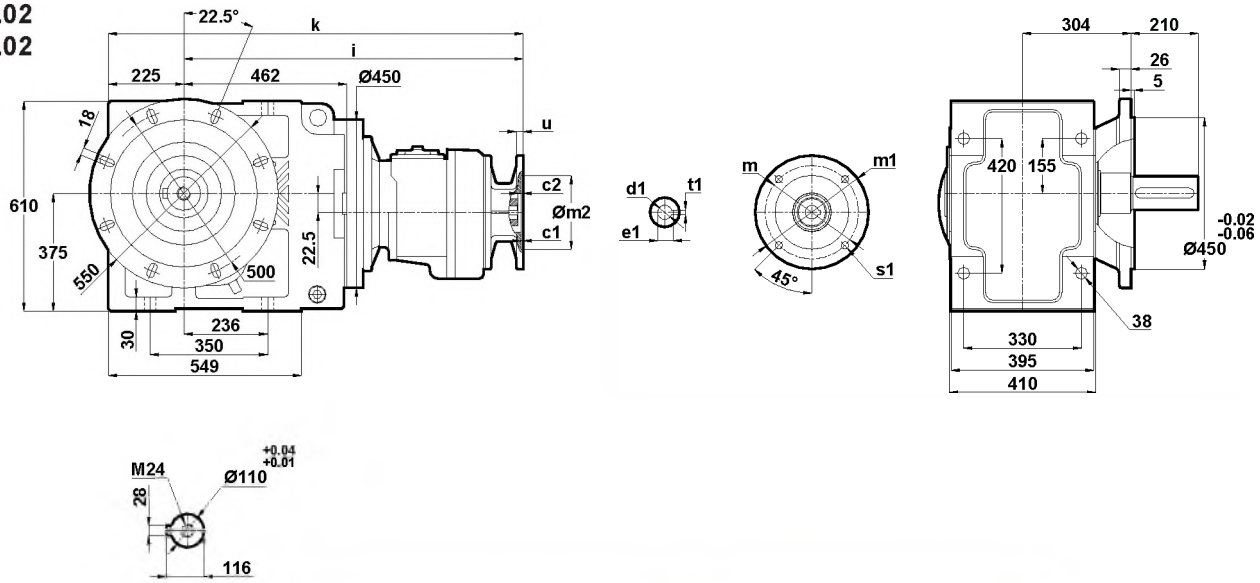




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

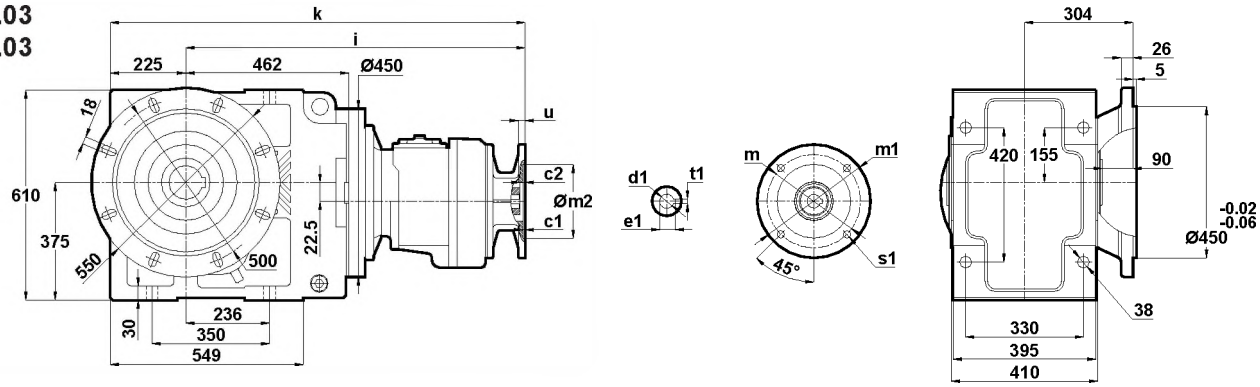
Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

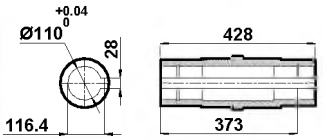
KN875.02
KN876.02



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

KN875.03
KN876.03

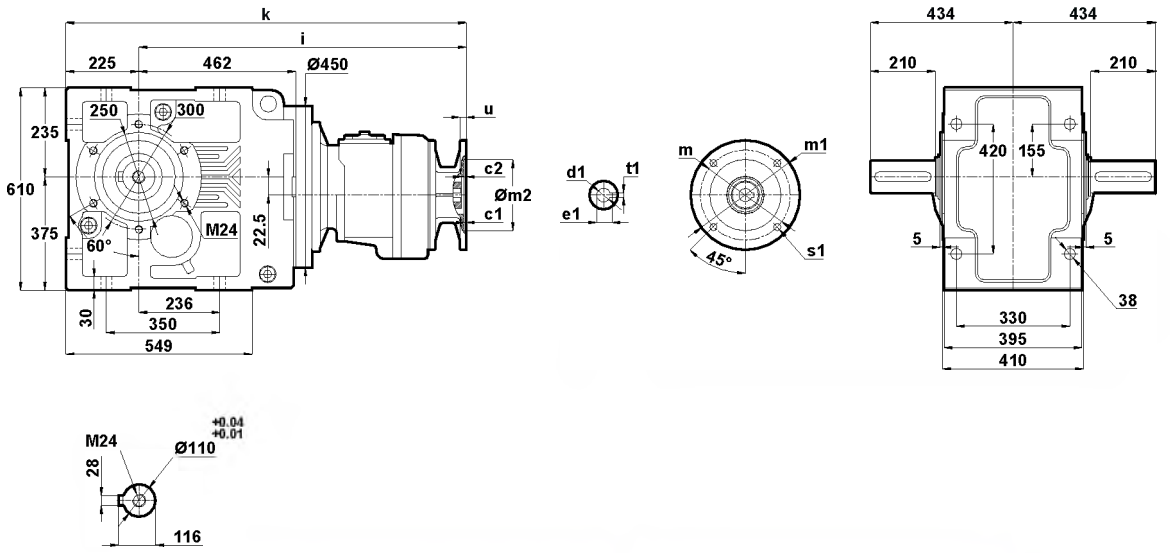




	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

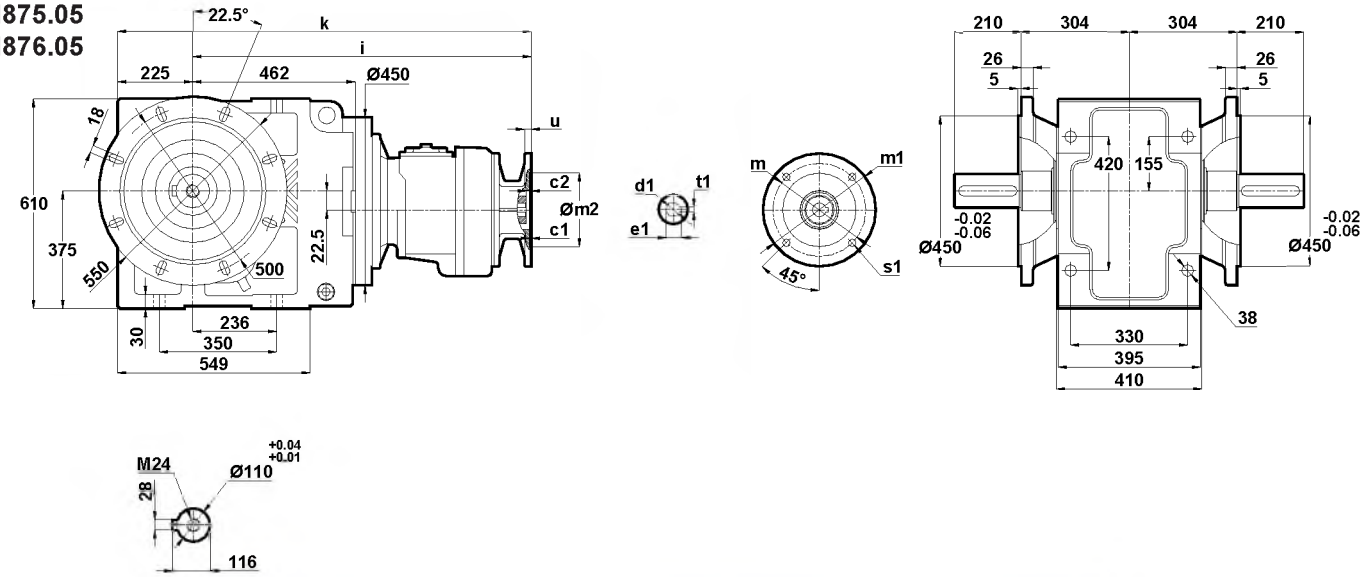
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN875.04
KN876.04



	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

KN875.05
KN876.05



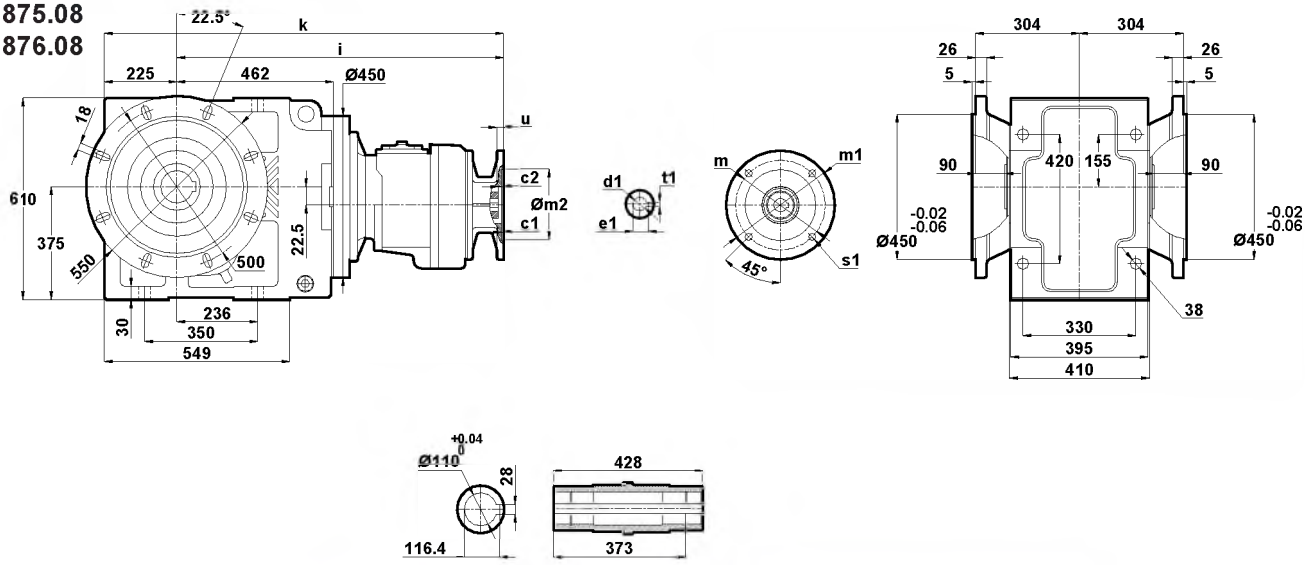
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 80/B14	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 90/B14	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 100/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 112/B14	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / - *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KN875.08
KN876.08



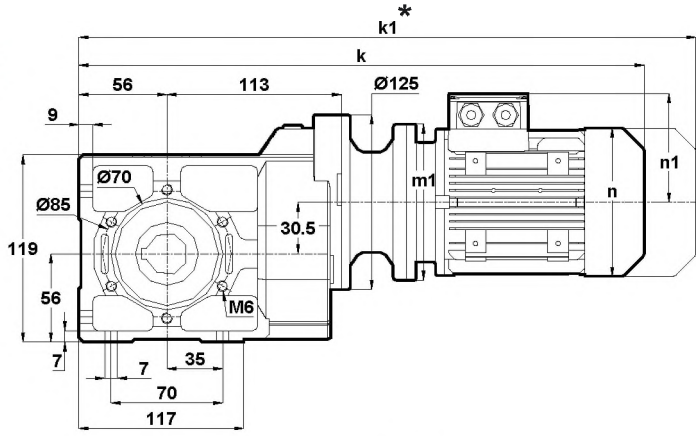
	c1	c2	s1	m	m1	m2	i	u	k	d1	t1	e1
71/B5	4	9	11	130	160	110	772	12	997	14	5	16.3
80/B5 **80/B14**	4	9	12 7	165 100	200 120	130 80	772	12	997	19	6 8	21.8
90/B5 **90/B14**	4	9	12 9	165 115	200 140	130 95	772	12	997	24	8	27.3 26.3
100/B5 **100/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3
112/B5 **112/B14**	4.5 3.5	9	15 9	215 130	250 160	180 110	789	15	1014	28	8	31.3

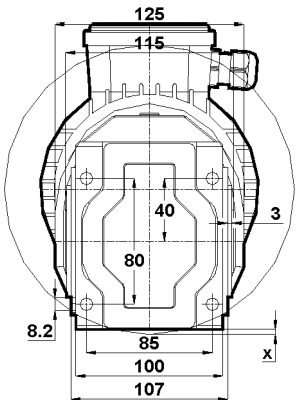


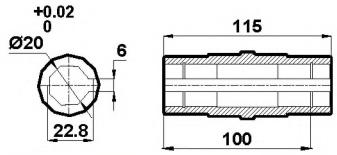
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV002.00
KV003.00



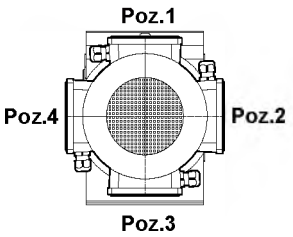




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

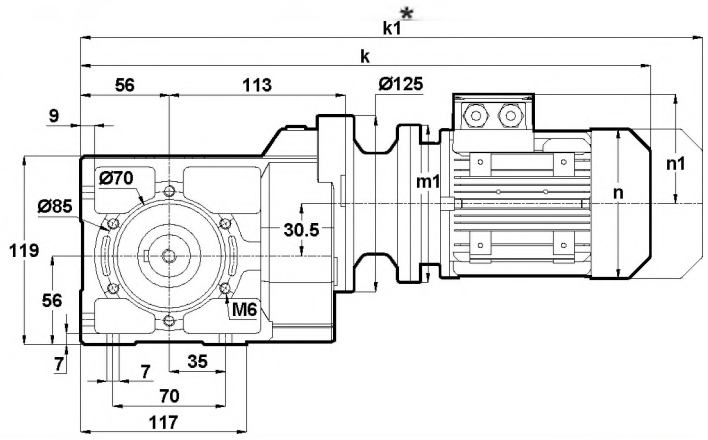
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

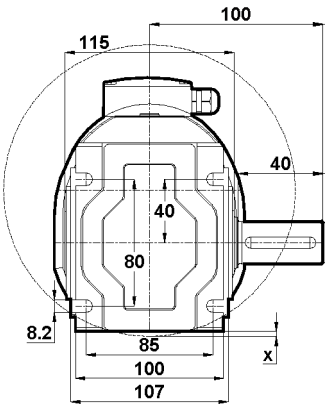
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

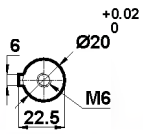


63-71-80-90
Tipo / *Type* / Typ

KV002.01
KV003.01







x: se il motore è inferiore al piano di montaggio del piede
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	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

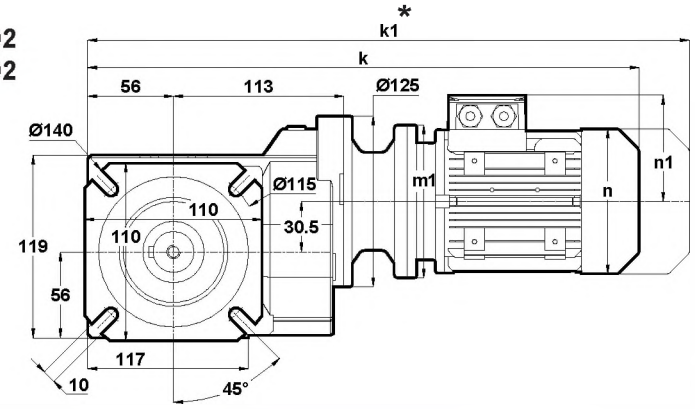
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

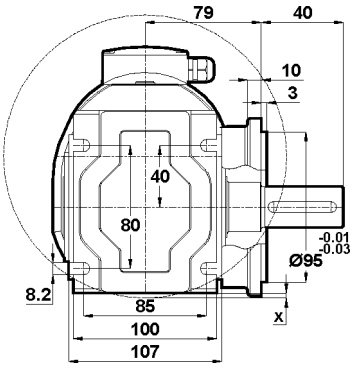


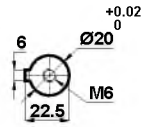
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV002.02
KV003.02



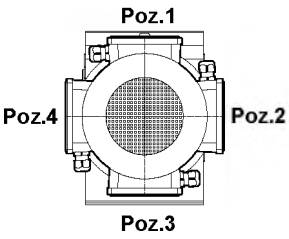




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

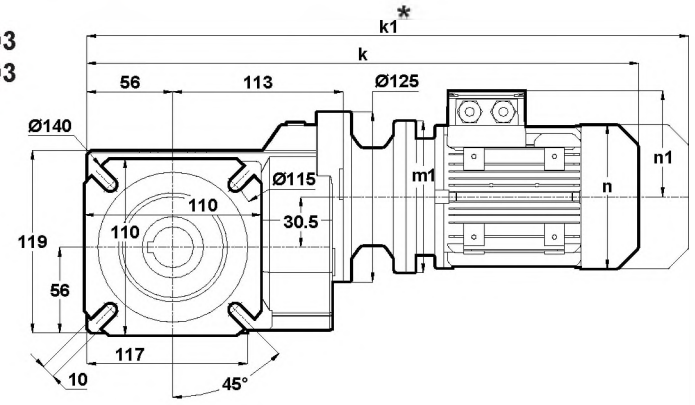
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

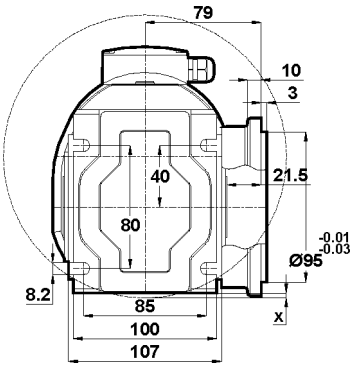
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

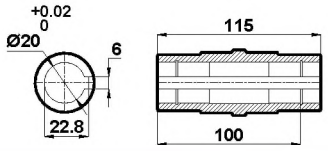


63-71-80-90
Tipo / *Type* / Typ

KV002.03
KV003.03







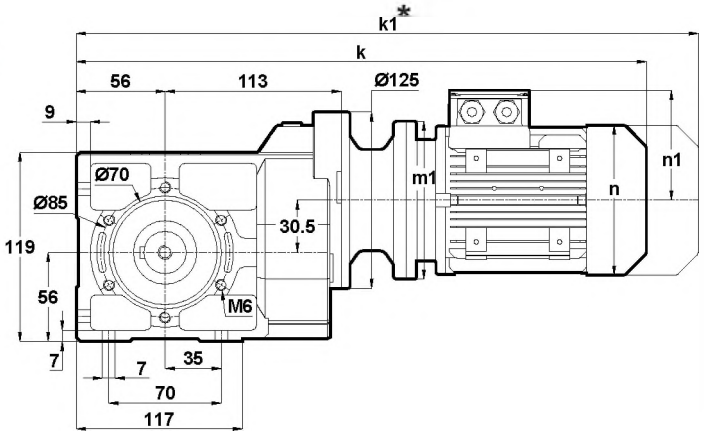
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

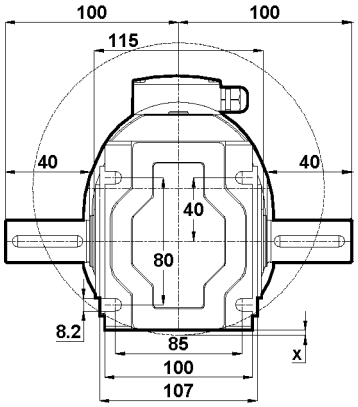
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

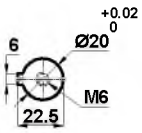
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV002.04
KV003.04



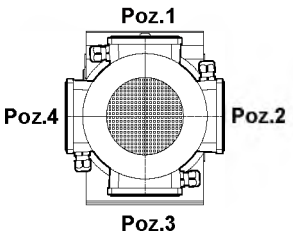




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

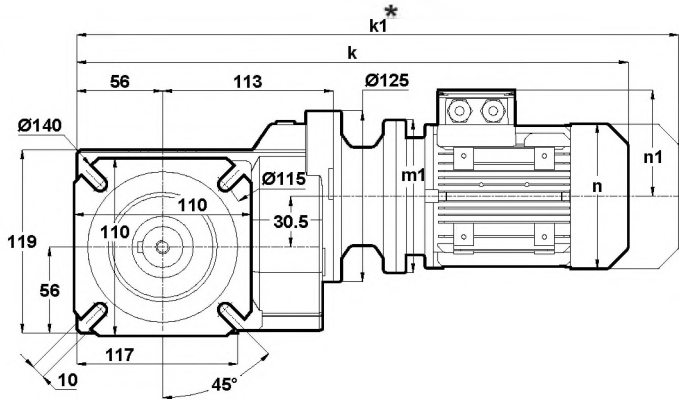
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

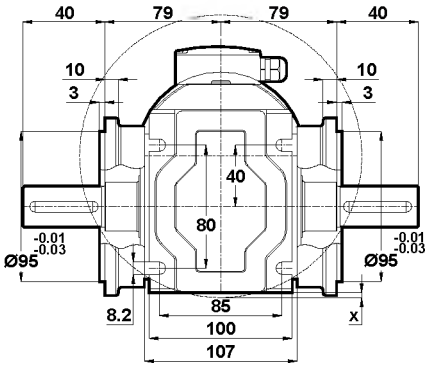
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

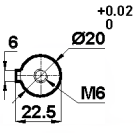


63-71-80-90
Tipo / *Type* / Typ

KV002.05
KV003.05







x: se il motore è inferiore al piano di montaggio del piede
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	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

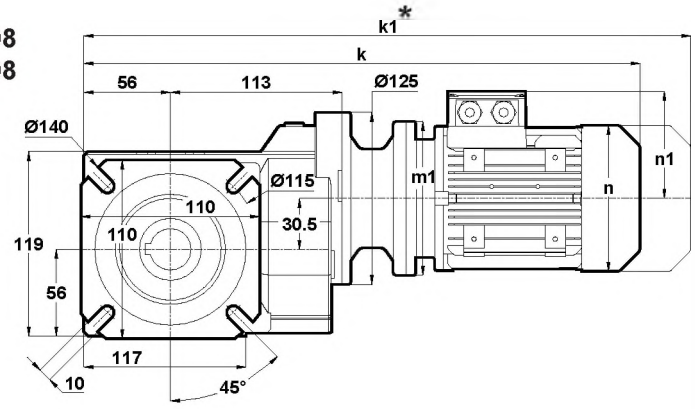
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

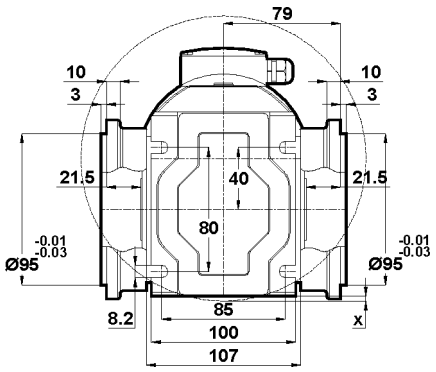


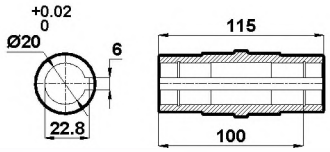
Tabelle dimensionali
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV002.08
KV003.08



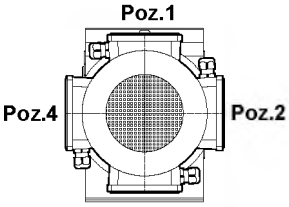




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	375	425	463	504	504
k1	436	516	556	608.5	608.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	1.5	1.5

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80-90
Tipo / *Type* / Typ

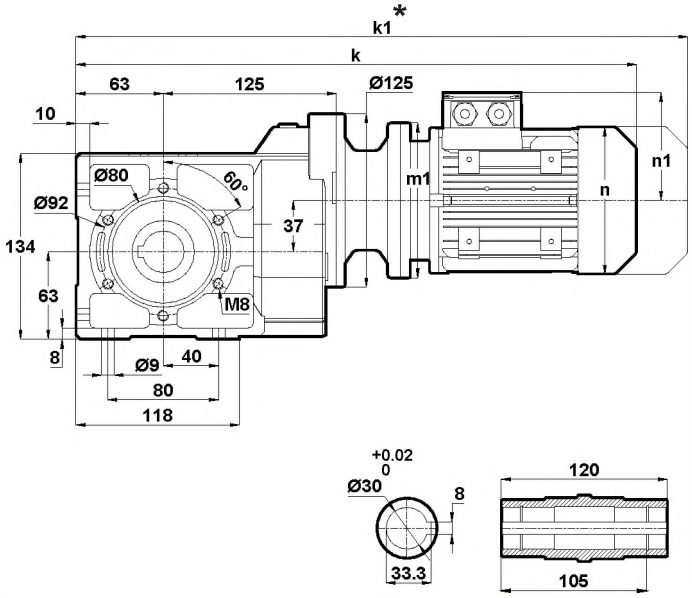
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

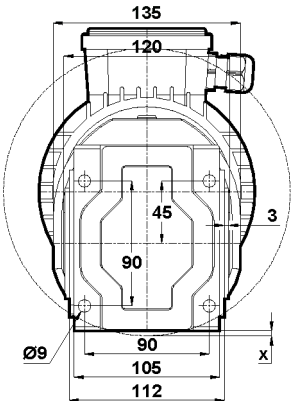


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV102.00
KV103.00

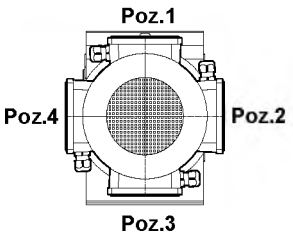




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

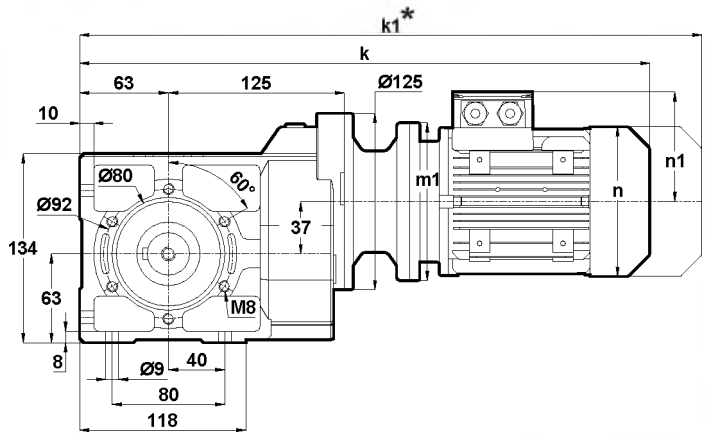
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

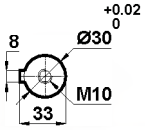
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

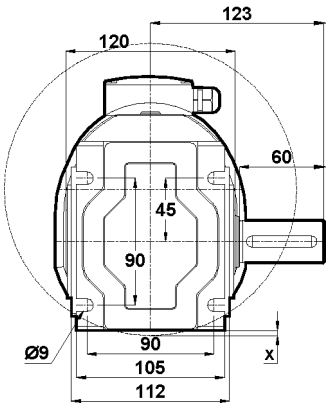


63-71-80-90
Tipo / *Type* / Typ

KV102.01
KV103.01







x: se il motore è inferiore al piano di montaggio del piede
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	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

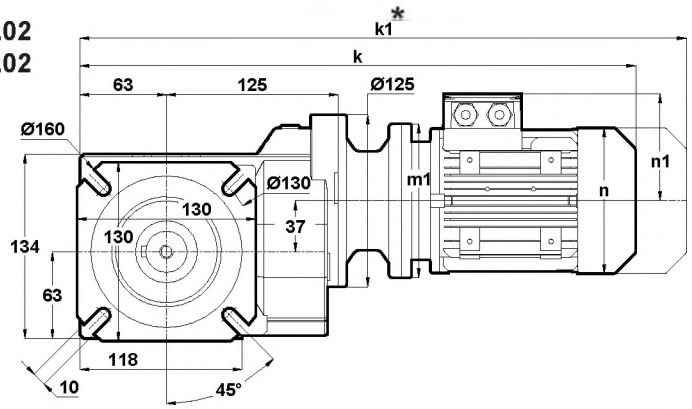
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

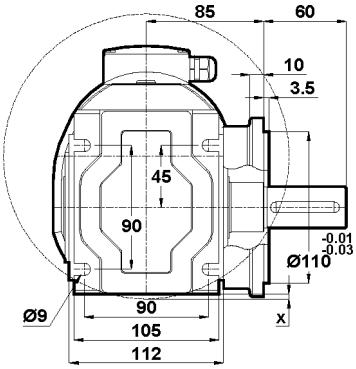


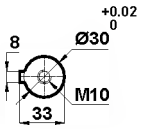
Tabelle dimensionali
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Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV102.02
KV103.02



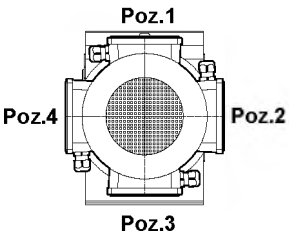




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

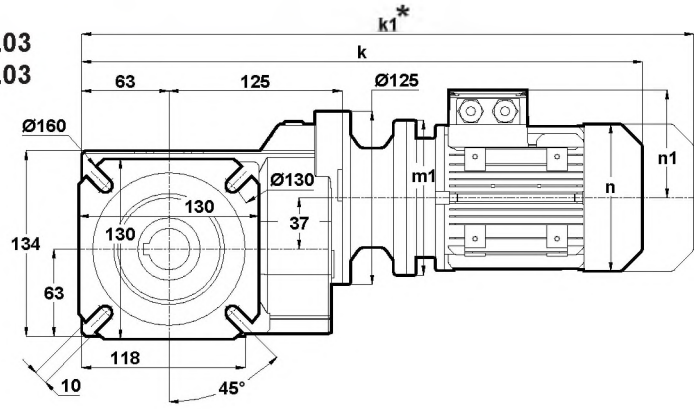
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

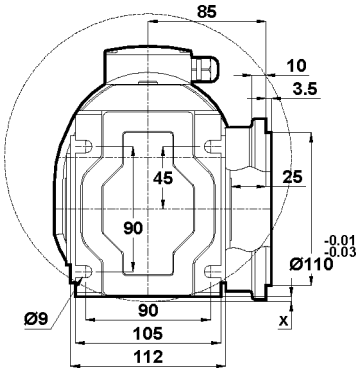
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

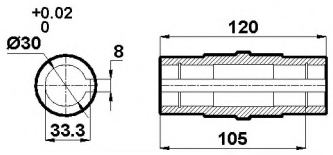


63-71-80-90
Tipo / *Type* / Typ

KV102.03
KV103.03







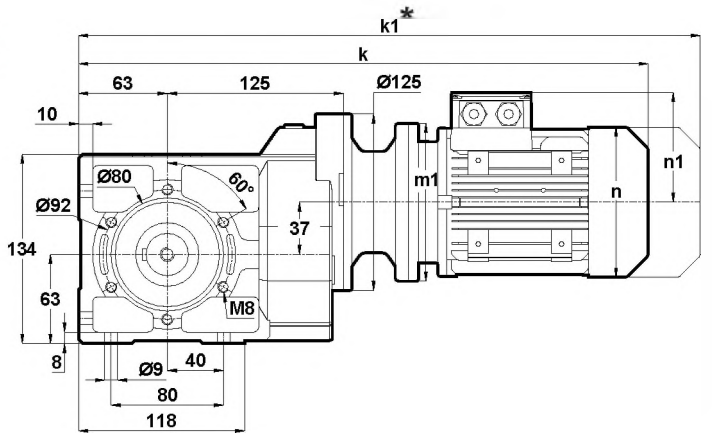
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

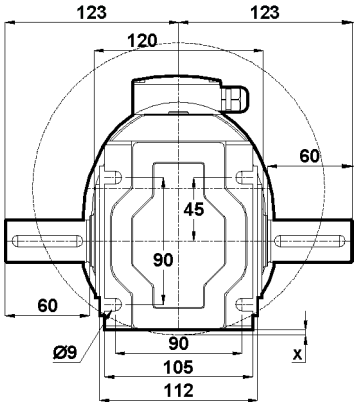
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

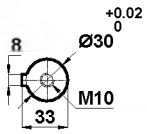
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV102.04
KV103.04



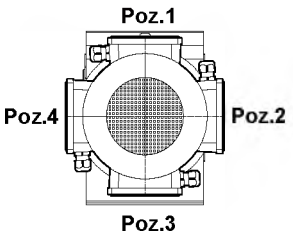




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

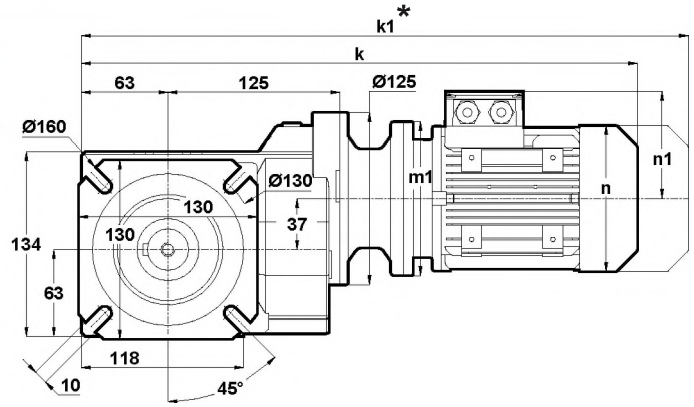
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

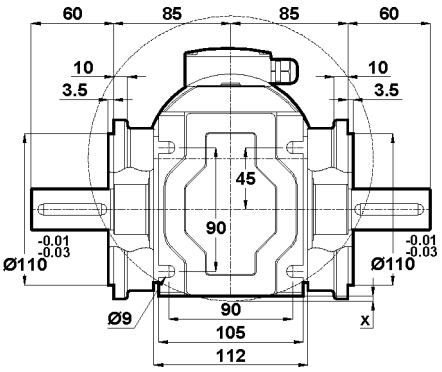
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

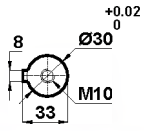


63-71-80-90
Tipo / *Type* / Typ

KV102.05
KV103.05







x: se il motore è inferiore al piano di montaggio del piede
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	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

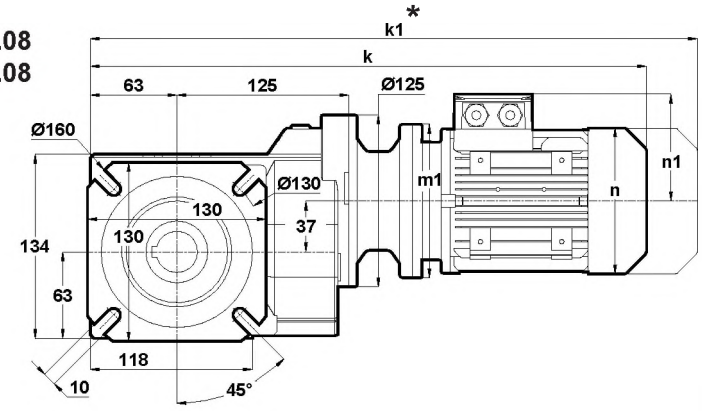
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

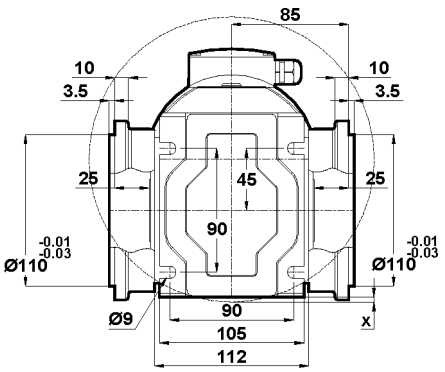


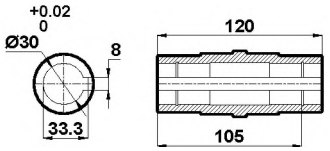
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV102.08
KV103.08



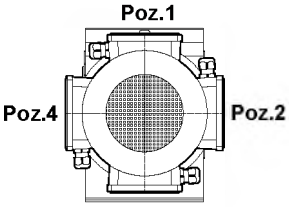




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	394	444	482	523	523
k1	455	535	575	627.5	627.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	140	160	200	200	200
m1 (B14)	90	105	120	140	140
x	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80-90
Tipo / *Type* / Typ

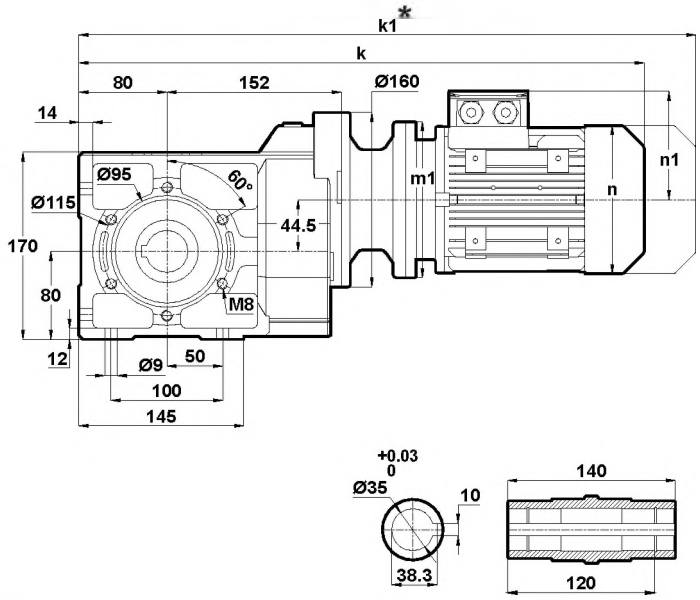
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

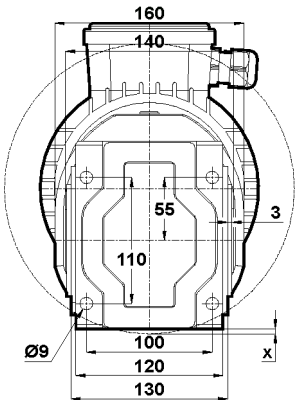


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV202.00
KV203.00

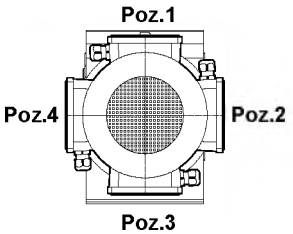




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

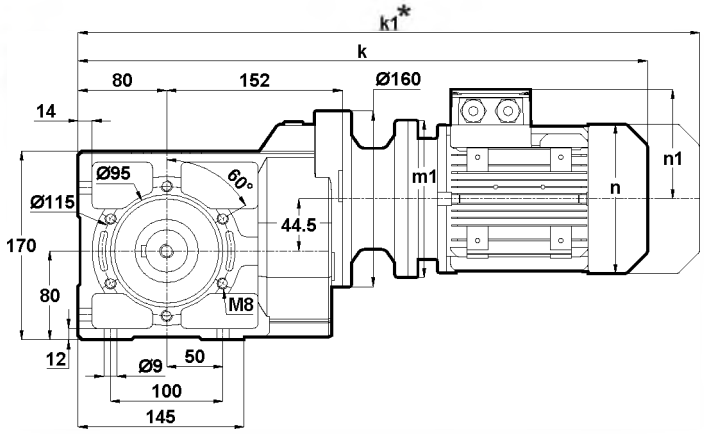
	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

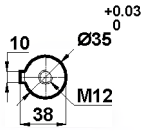
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

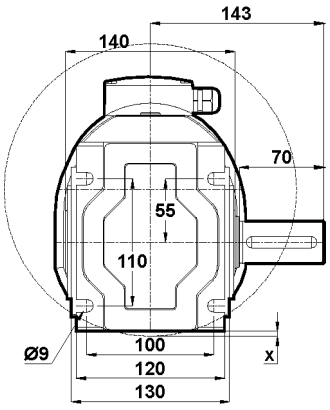


63-71-80-90-100-112
Tipo / *Type* / Typ

KV202.01
KV203.01







x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

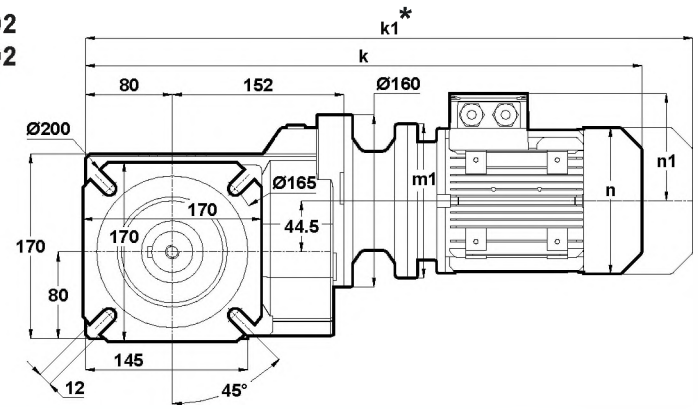
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

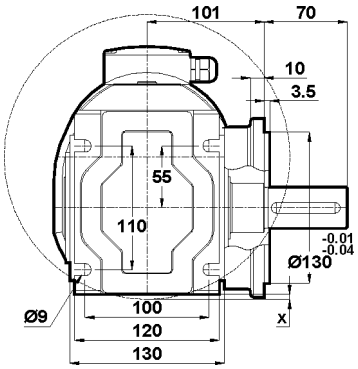


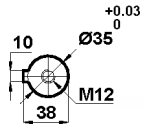
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV202.02
KV203.02



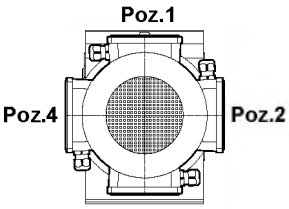




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

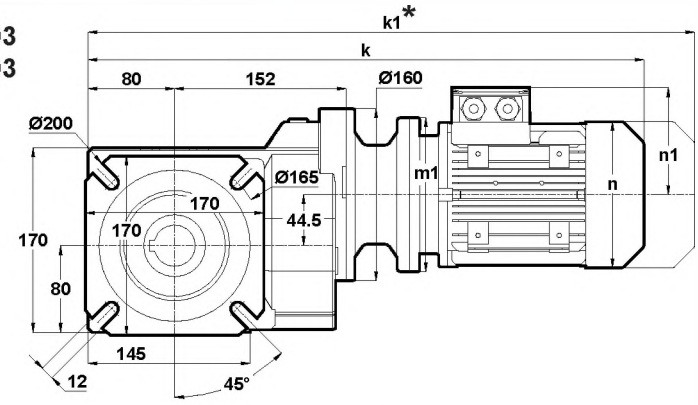
	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

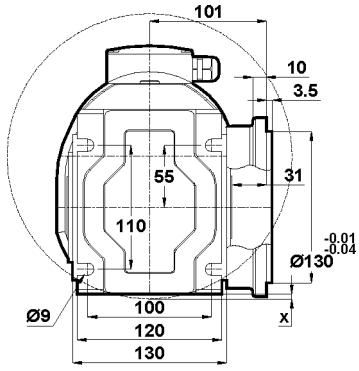
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

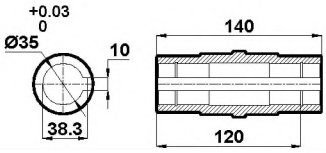


63-71-80-90-100-112
Tipo / *Type* / Typ

KV202.03
KV203.03







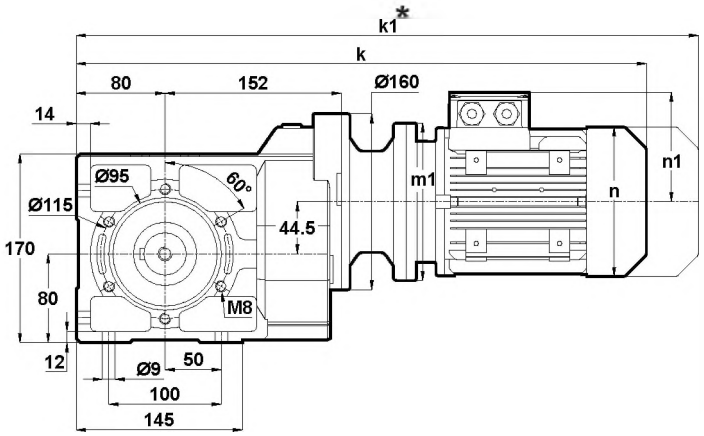
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

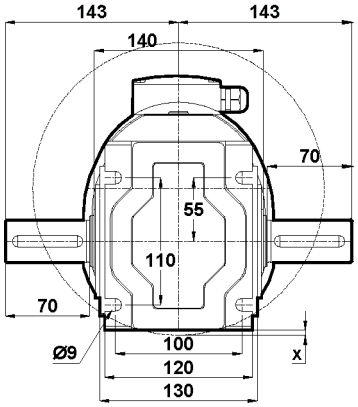
	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

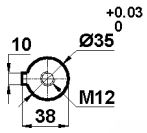
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV202.04
KV203.04



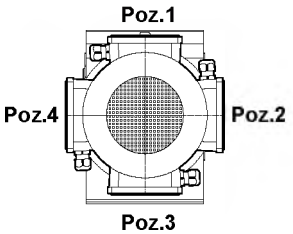




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

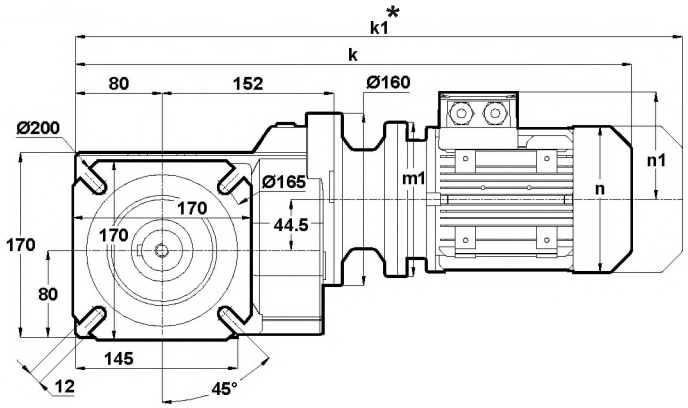
	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

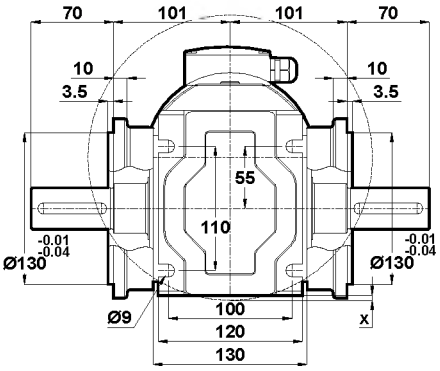
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

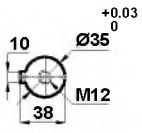


63-71-80-90-100-112
Tipo / *Type* / Typ

KV202.05
KV203.05







x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

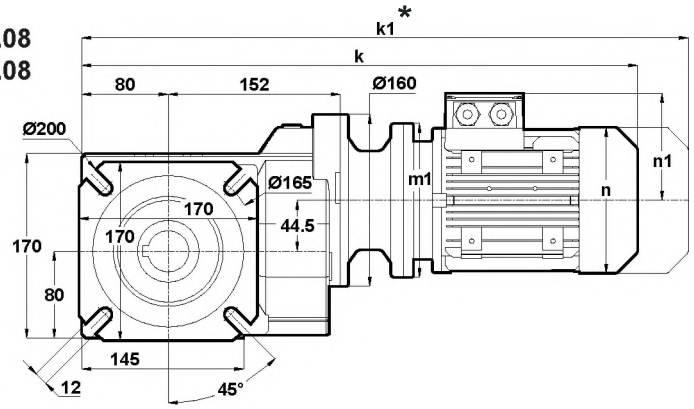
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

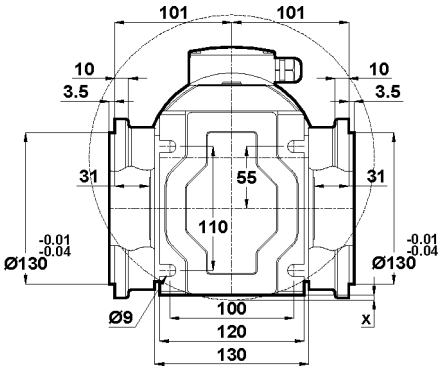


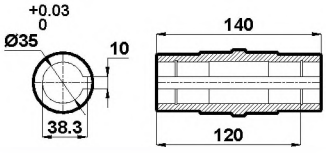
Tabelle dimensionali
Dimension Pages
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV202.08
KV203.08



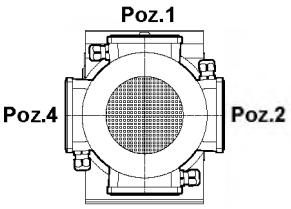




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	63/B5	71/B5 71/B14	80/B580/ B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	469	488	540	581	581	609	630
k1	530	579	633	685.5	685.5	728.5	734.5
n / n1	121 / 97	137 / 112	155 / 121	176 7 132	176 / 132	193 / 147	215 /158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

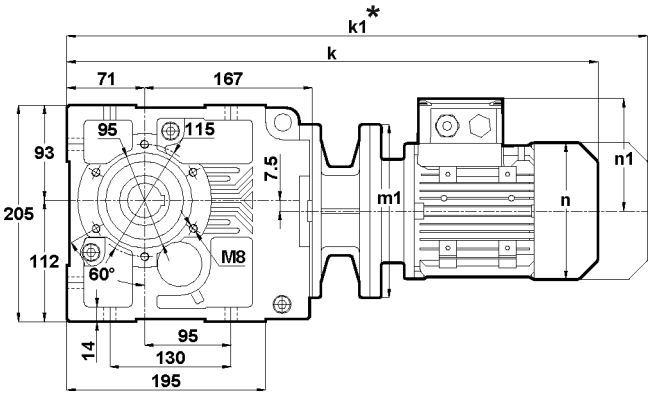
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

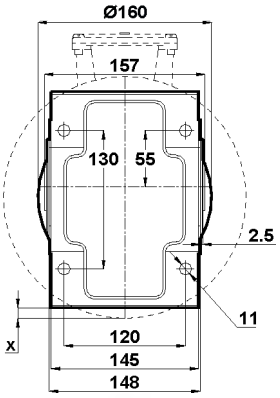


Tabelle dimensionali
Dimension Pages
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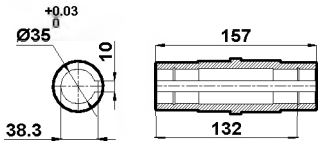
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV273.00

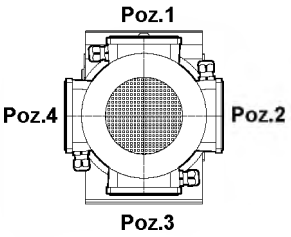




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



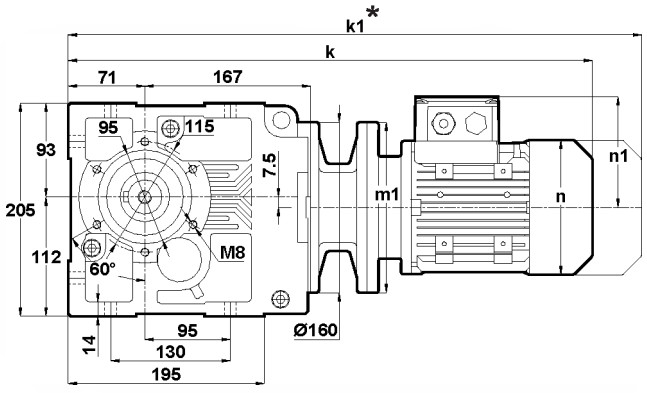
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

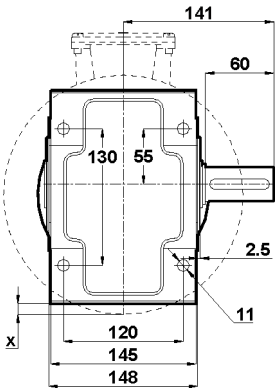


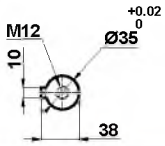
63-71-80-90-100-112
Tipo / *Type* / Typ

	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	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

KV273.01







x: se il motore è inferiore al piano di montaggio del piede
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	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

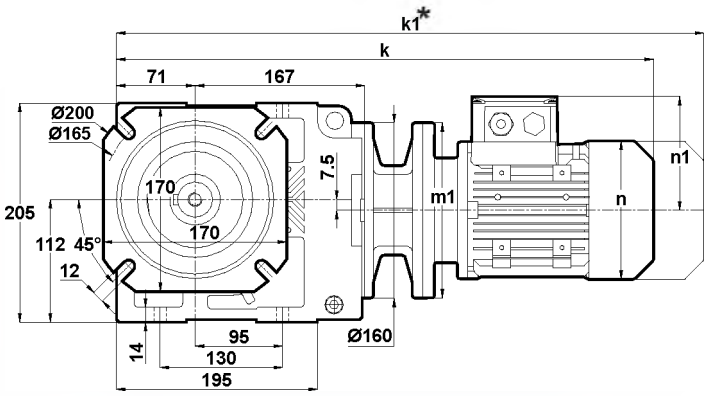
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

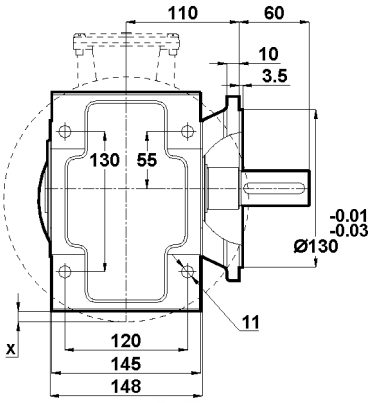


Tabelle dimensionali
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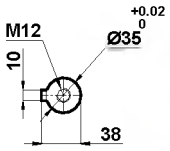
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV273.02

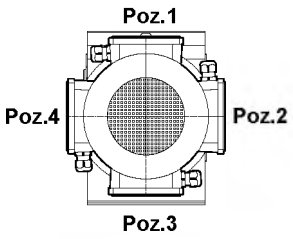




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



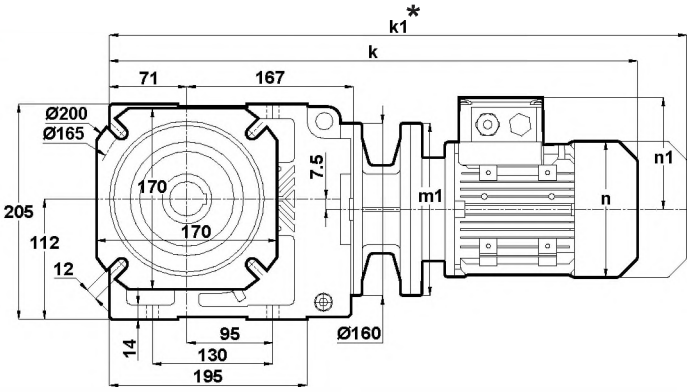
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

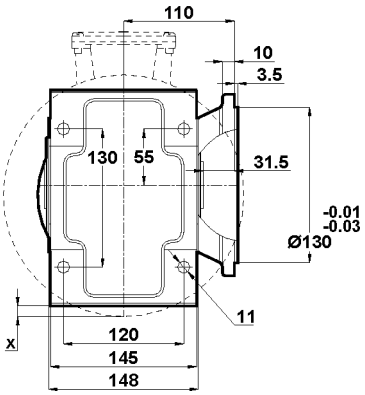


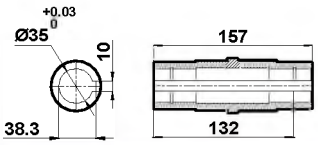
63-71-80-90-100-112
Tipo / *Type* / Typ

	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	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

KV273.03







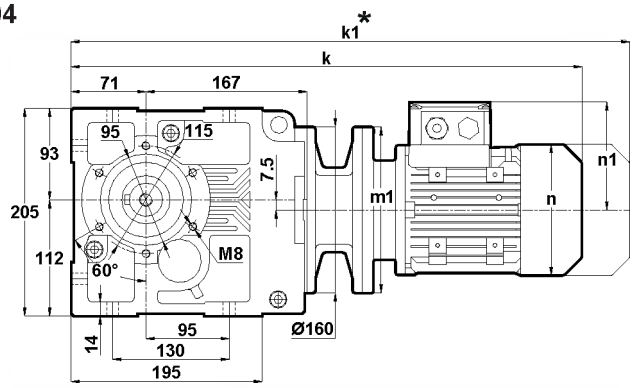
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

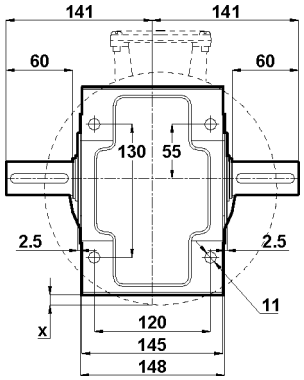
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

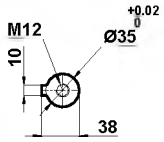
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV273.04



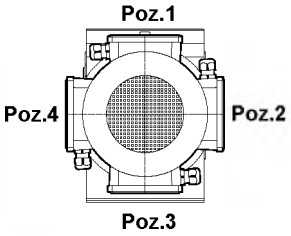




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

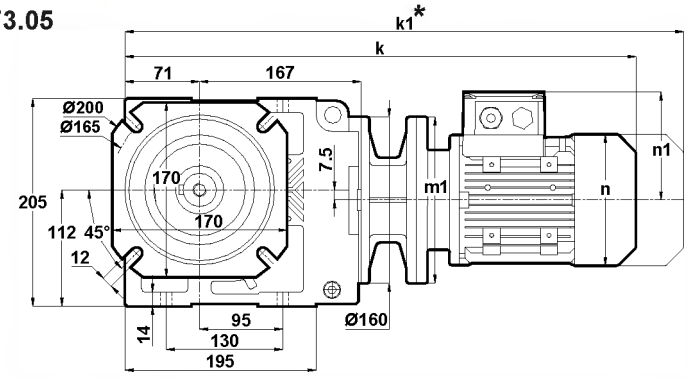
	63/B5	71/B5 71/B14	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

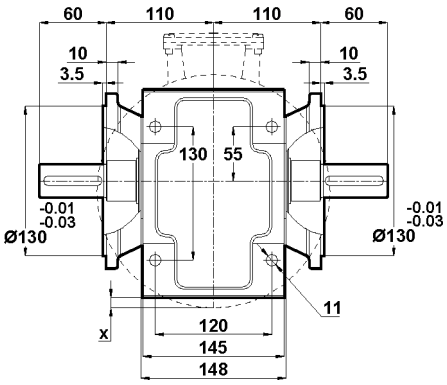
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

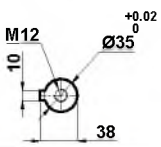


63-71-80-90-100-112
Tipo / *Type* / Typ

KV273.05







x: se il motore è inferiore al piano di montaggio del piede
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	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

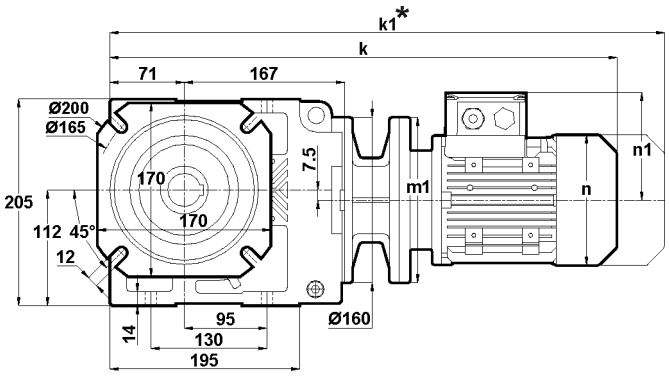
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

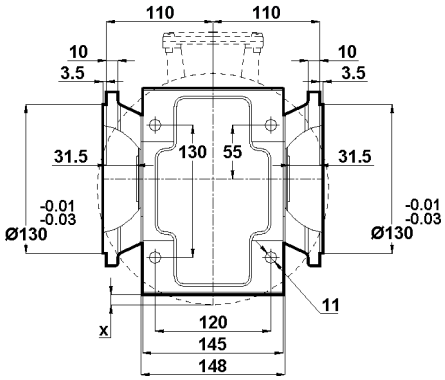


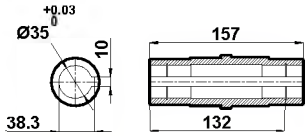
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV273.08



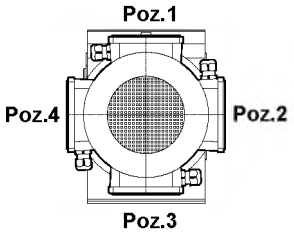




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	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	505	494	546	587	587	615	636
k1	566	585	639	691.5	691.5	734.5	740.5
n / n1	121 / 97	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	140	160	200	200	200	250	250
m1 (B14)	-	105	120	140	140	160	160
x	-	-	-	-	-	-	3

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

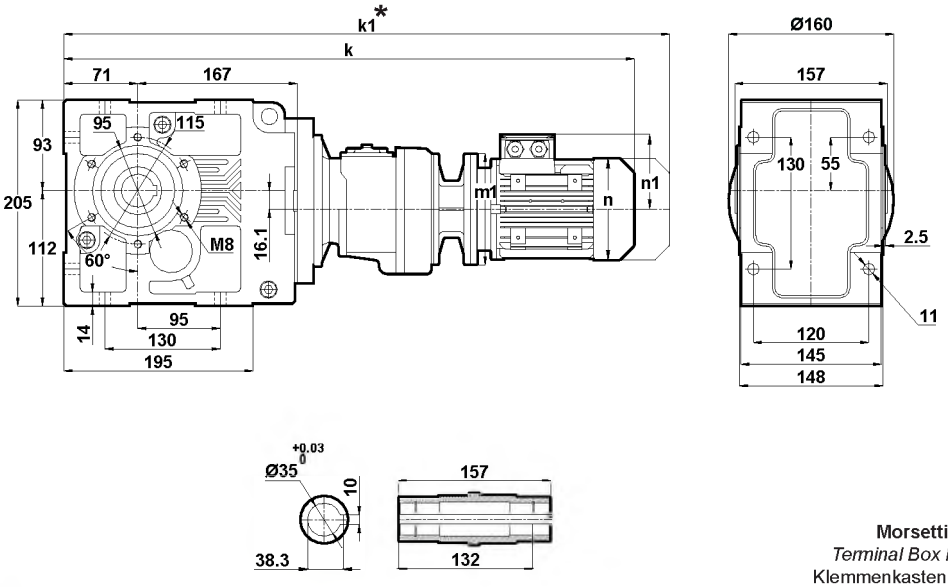


63-71-80-90-100-112
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

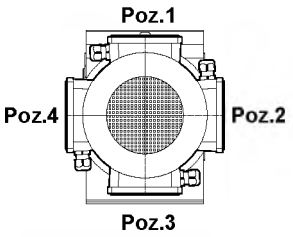
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV275.00
KV276.00



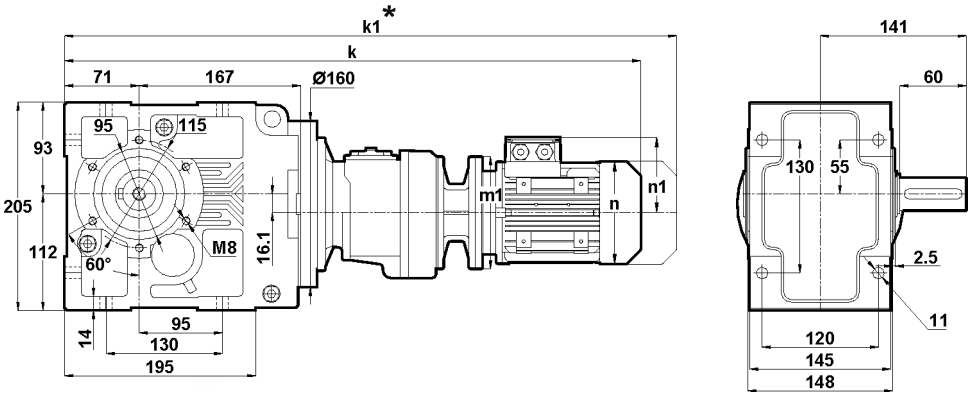
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

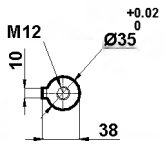
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tipo / *Type* / Typ

KV275.01
KV276.01





	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

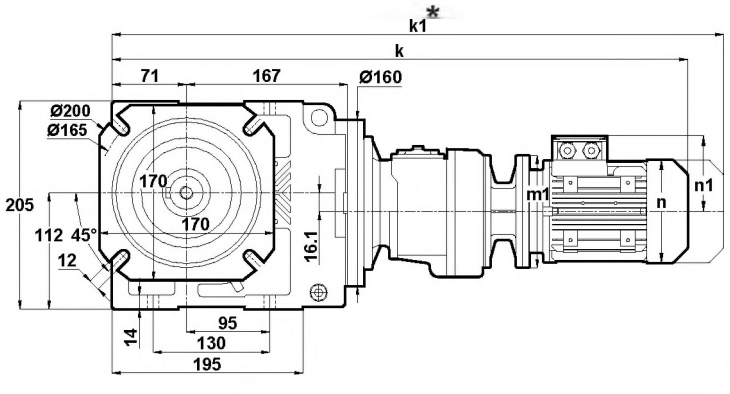
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

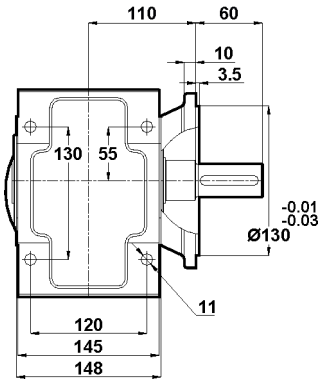


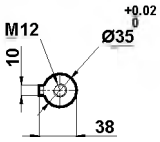
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV275.02
KV276.02

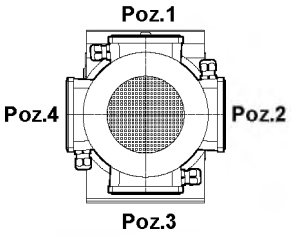






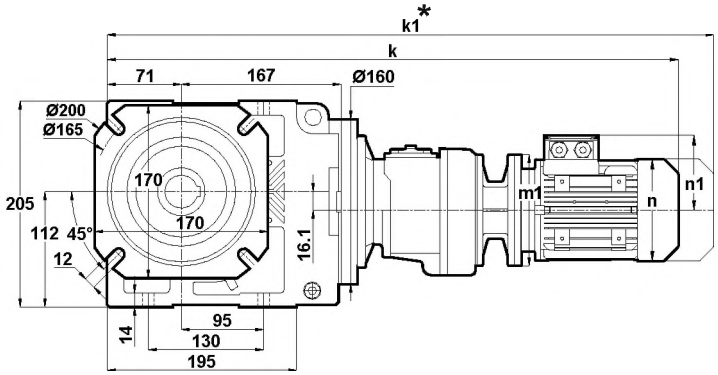
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

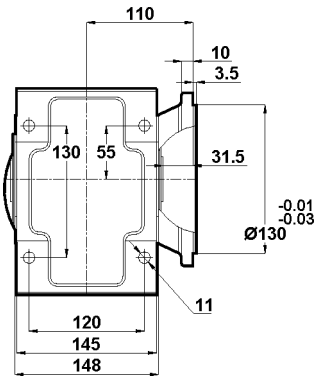
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

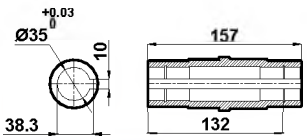


63-71-80
Tipo / *Type* / Typ

KV275.03
KV276.03





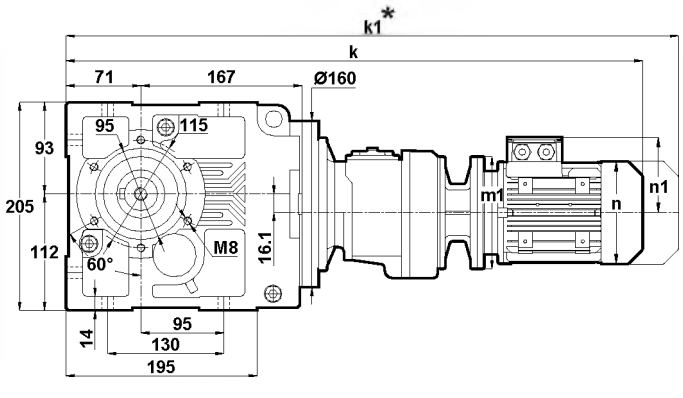


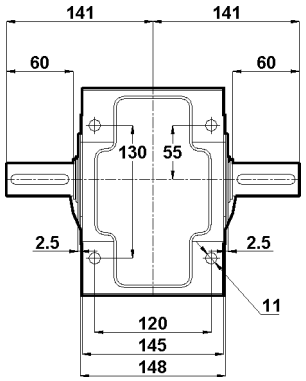
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

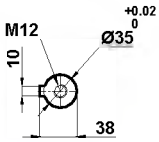
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV275.04
KV276.04

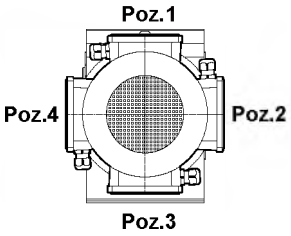






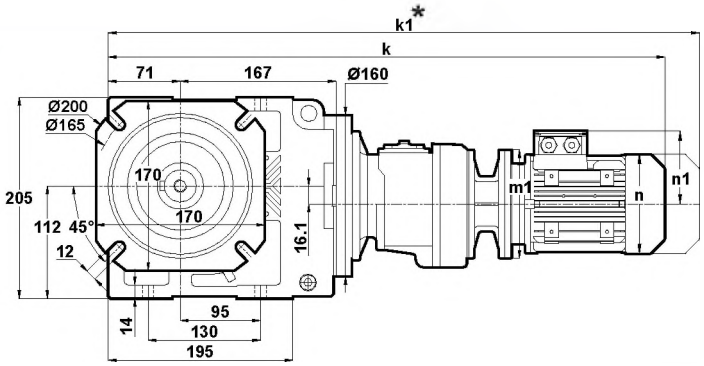
	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

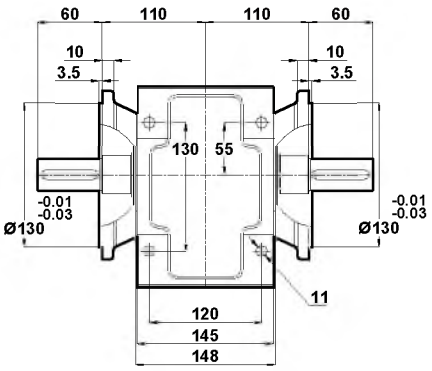
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

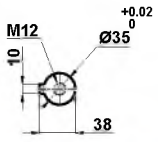


63-71-80
Tipo / *Type* / Typ

KV275.05
KV276.05







	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

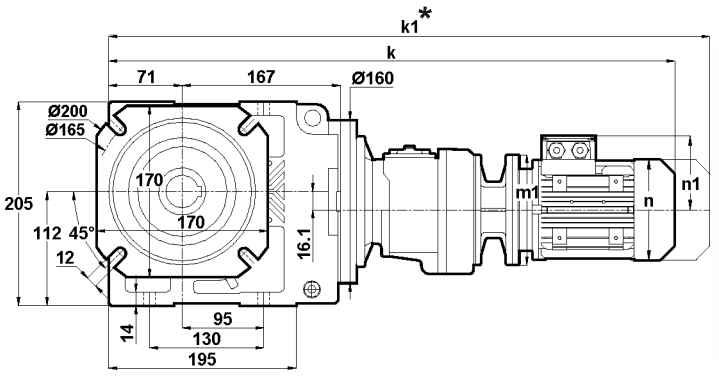
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

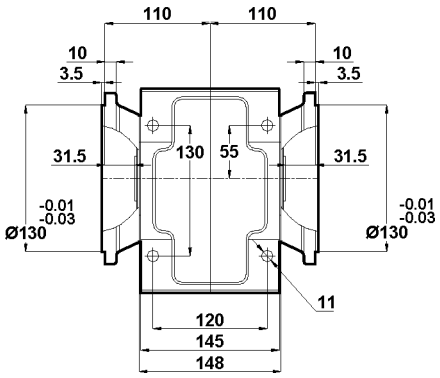


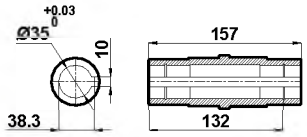
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV275.08
KV276.08

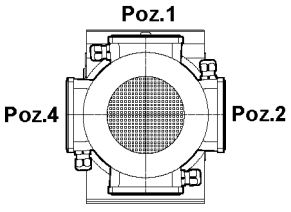






	63/B5 63/B14	71/B5 71/B14	80/B5 80/B14
k	620	640	678
k1	681	731	771
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	90	105	120

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

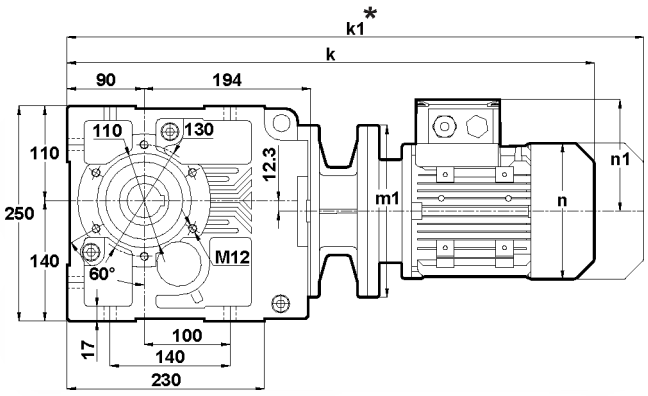


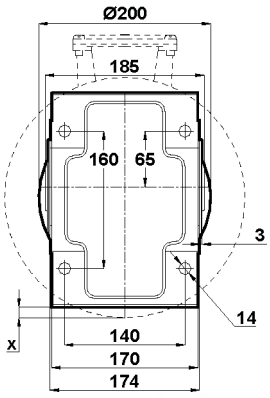
63-71-80
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

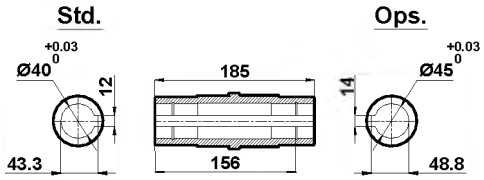
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV373.00

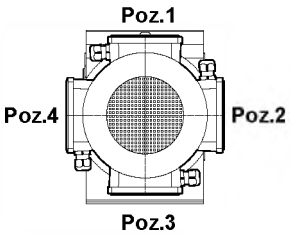




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



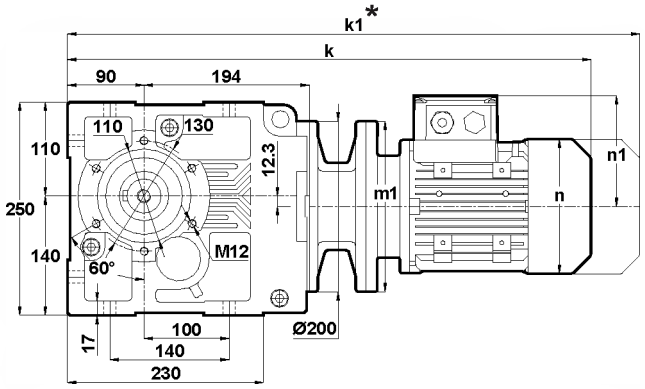
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

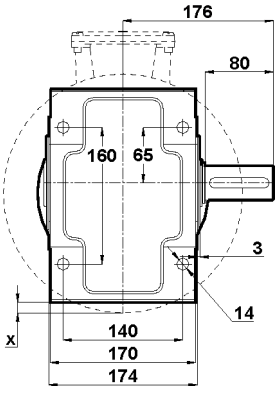


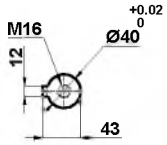
71-80-90-100-112-132
Tipo / *Type* / Typ

	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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

KV373.01







x: se il motore è inferiore al piano di montaggio del piede
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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

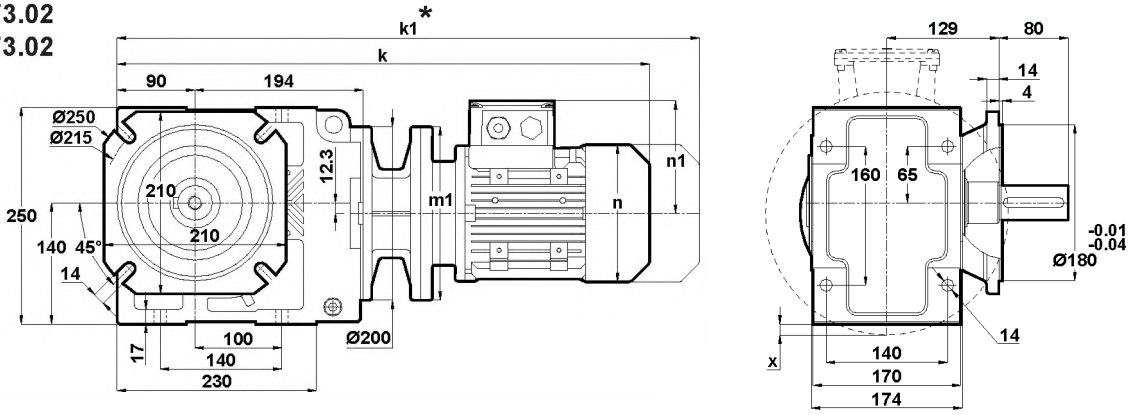
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

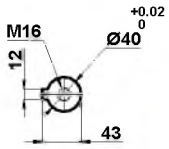


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV373.02
KV373.02

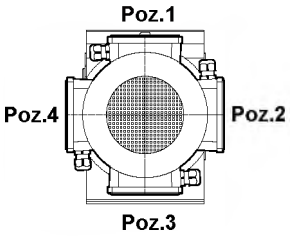




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

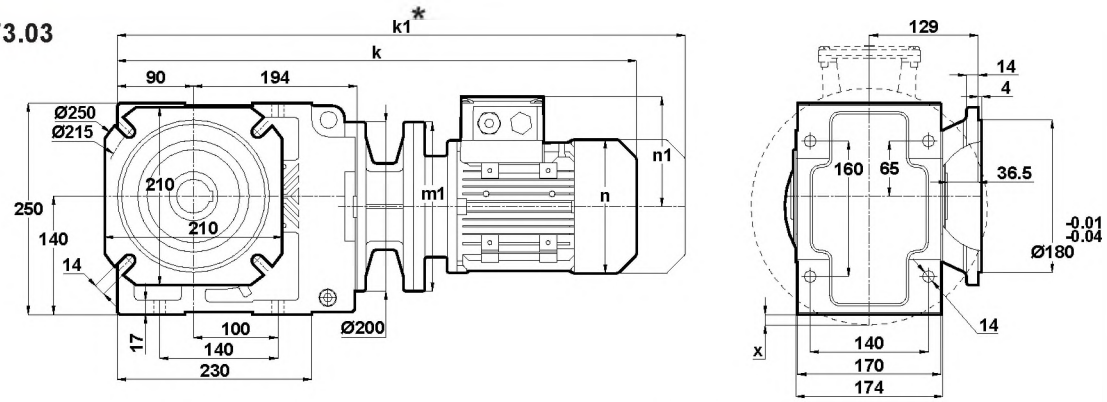
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

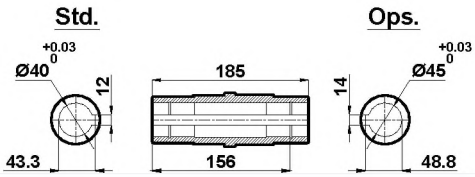
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KV373.03





x: se il motore è inferiore al piano di montaggio del piede
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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

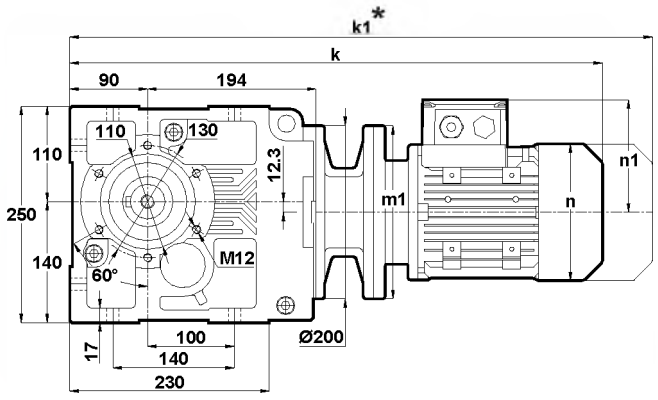
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

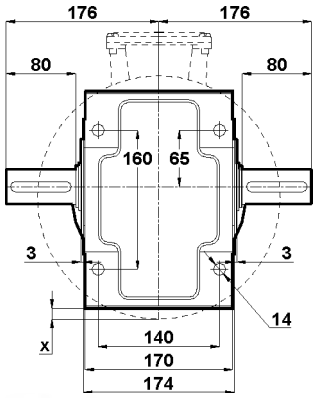


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

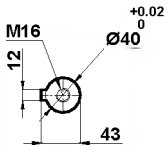
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV373.04
KV373.04

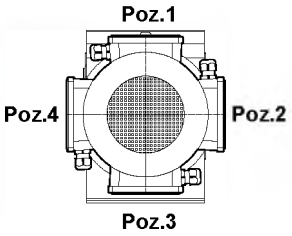




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



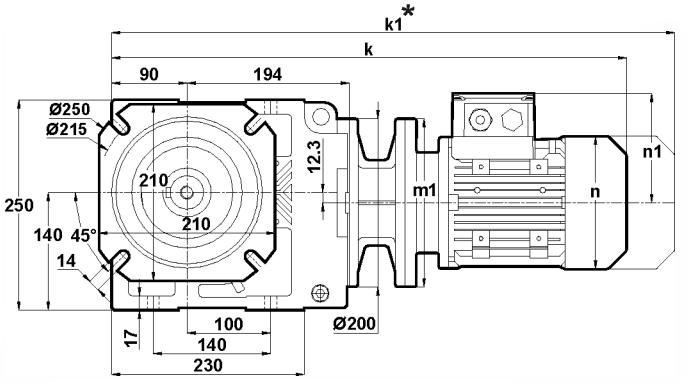
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

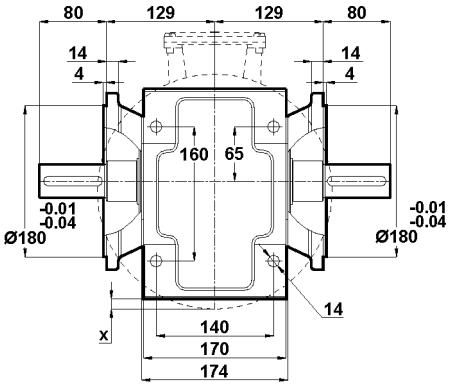


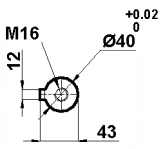
71-80-90-100-112-132
Tipo / *Type* / Typ

	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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

KV373.05
KV373.05







x: se il motore è inferiore al piano di montaggio del piede
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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

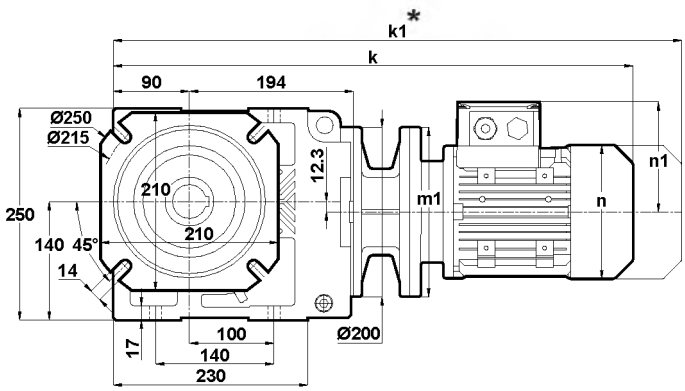
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

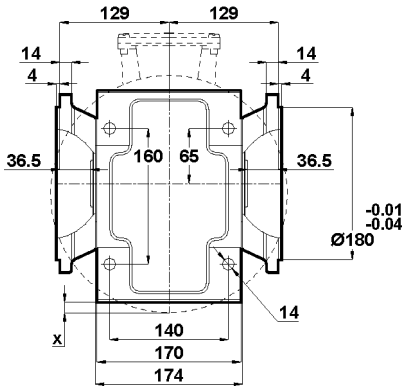


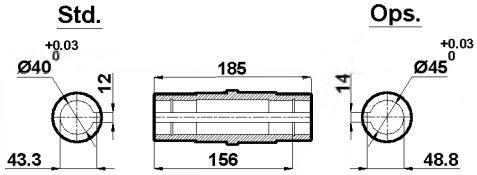
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV373.08
KV373.08



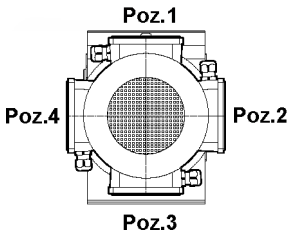




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	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	562	585	626	626	678	699	803	803
k1	653	678	730.5	730.5	797.5	803.5	933	933
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	160	200	200	200	250	250	300	300
m1 (B14)	-	120	140	140	160	160	200	200
x	-	-	-	-	-	-	0.8	0.8

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

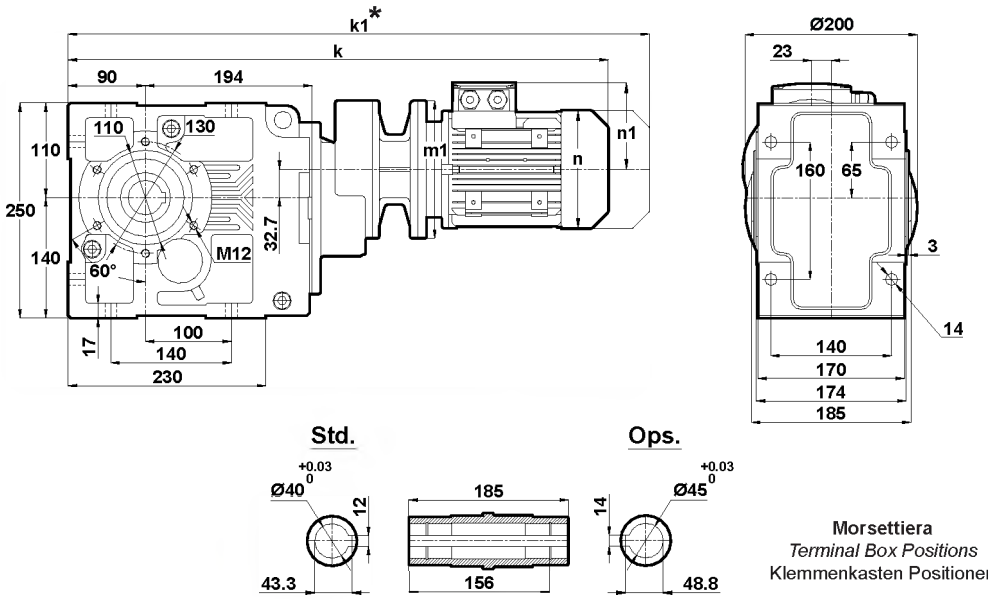


71-80-90-100-112-132
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

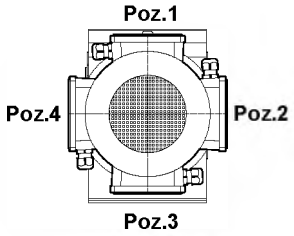
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV374.00



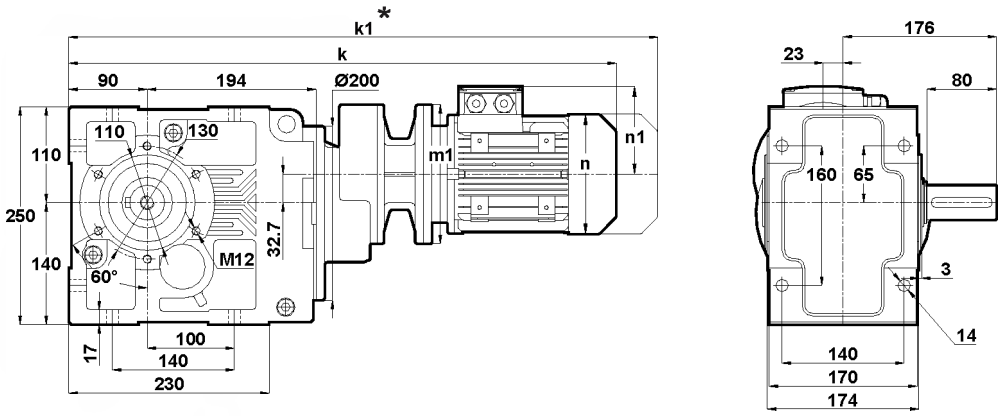
	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

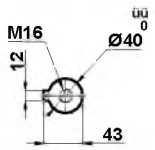
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tipo / *Type* / Typ

KV374.01



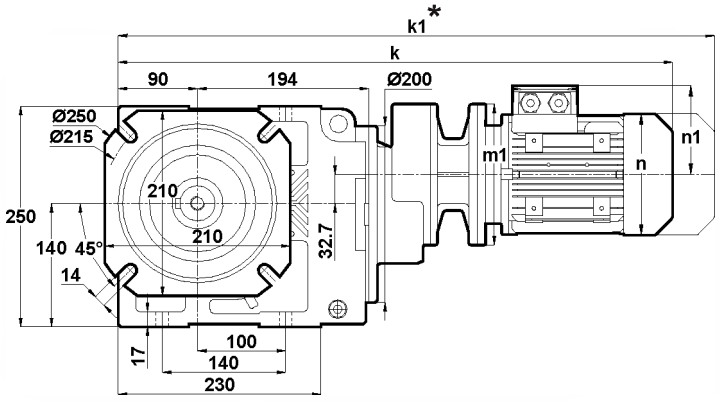


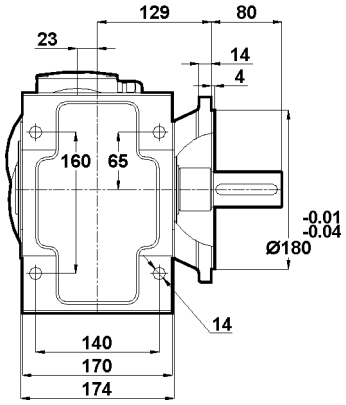
	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
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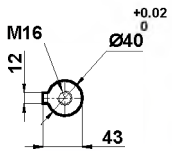
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV374.02

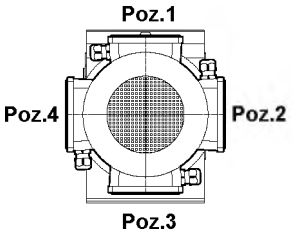






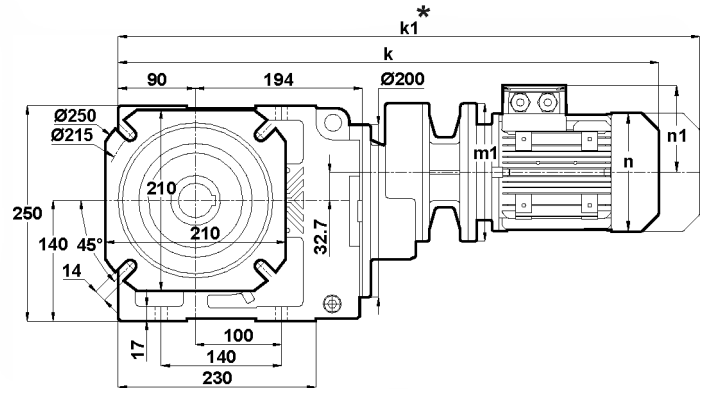
	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

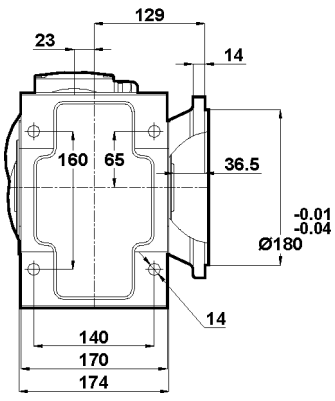
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



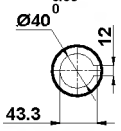
63-71-80
Tipo / *Type* / Typ

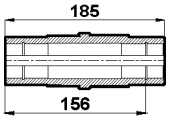
KV374.03



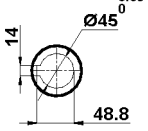


Std.





Ops.

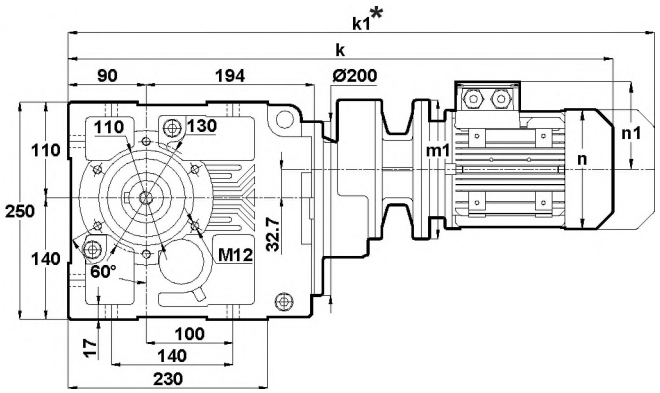


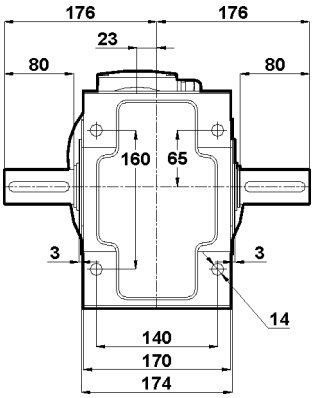
	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

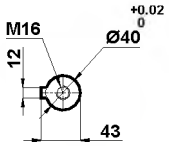
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV374.04

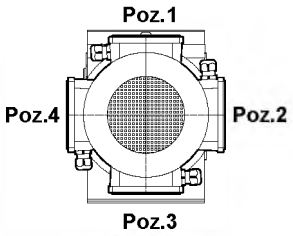






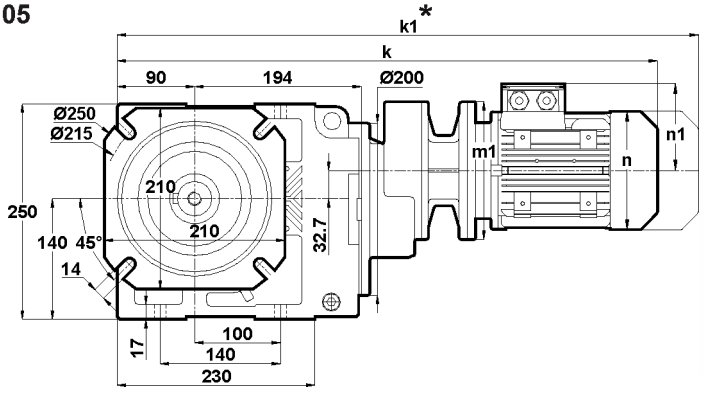
	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
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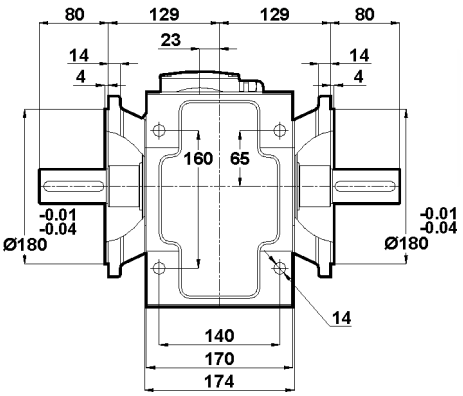
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

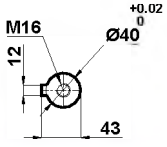


63-71-80
Tipo / *Type* / Typ

KV374.05





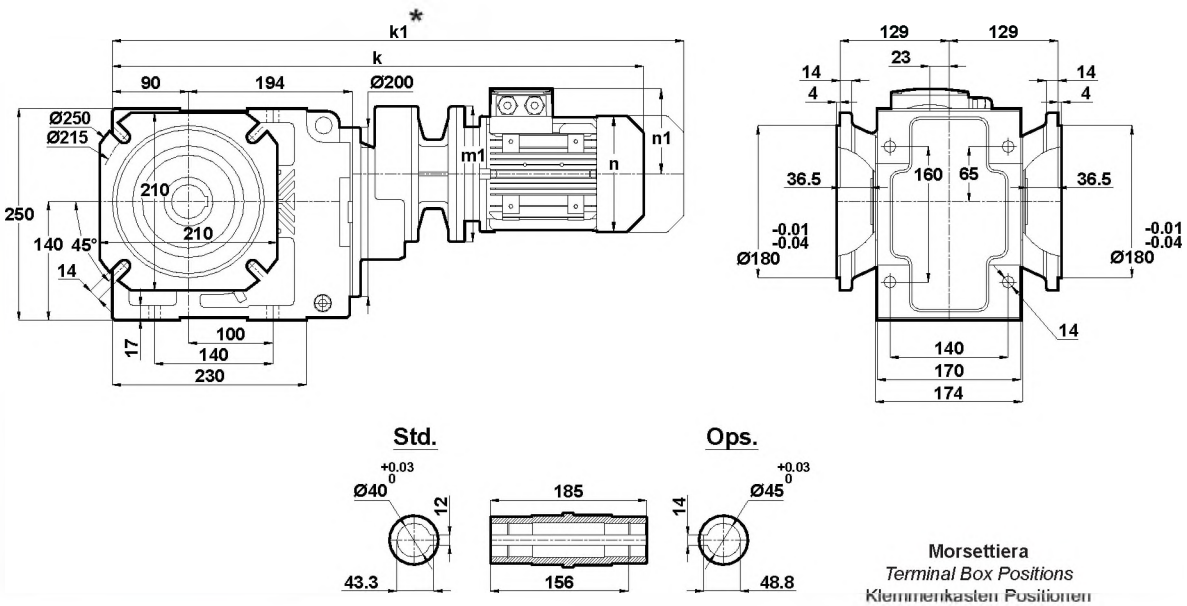


	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

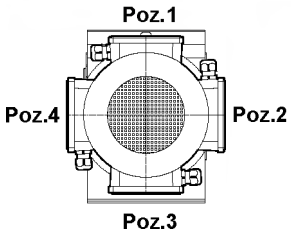
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV374.08



Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



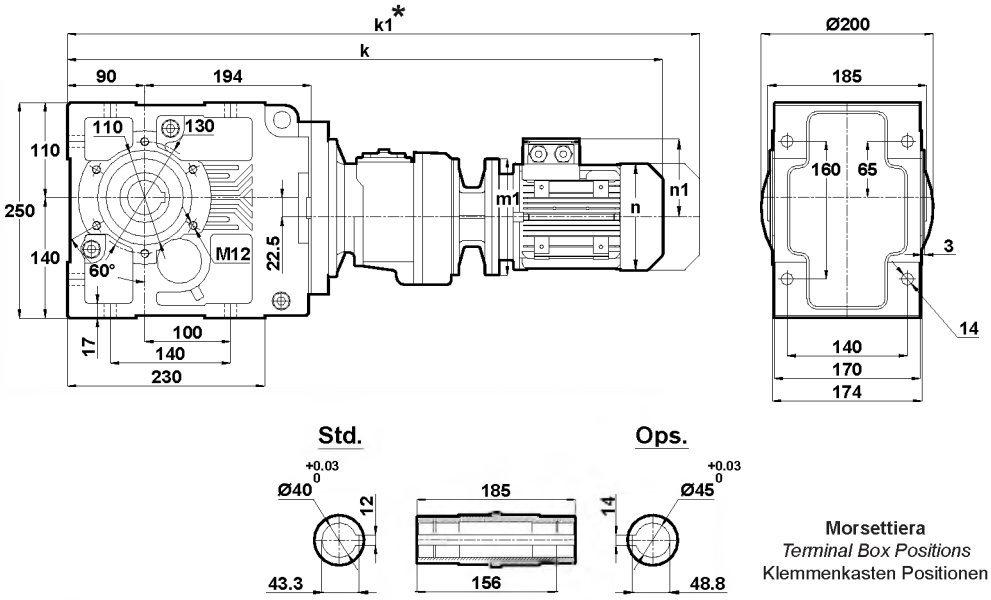
63-71-80
Tipo / *Type* / Typ

	63/B5	71/B5 71/B14	80/B5 80/B14
k	621	610	662
k1	682	701	755
n / n1	121 / 97	137 / 121	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

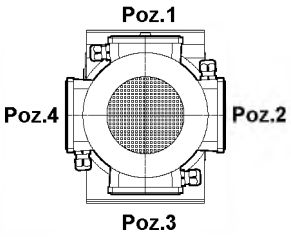
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV375.00
KV376.00



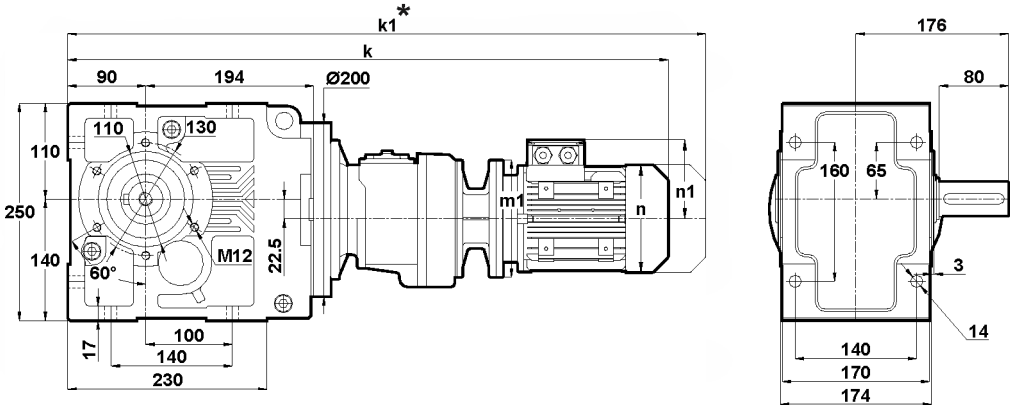
	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

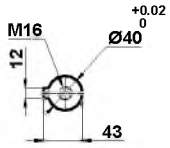
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71
Tipo / *Type* / Typ

KV375.01
KV376.01



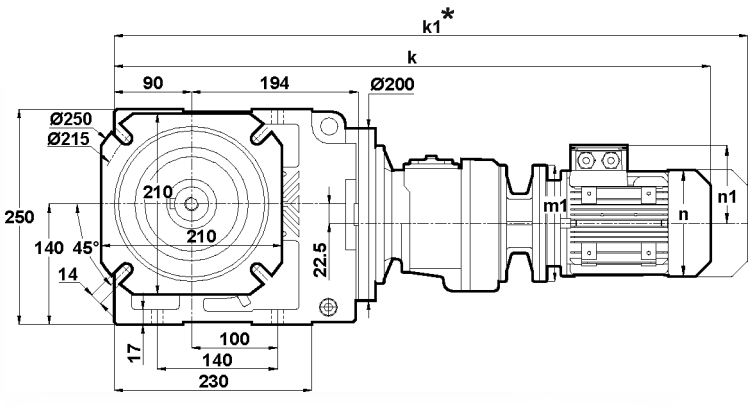


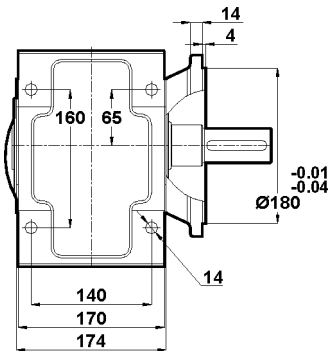
	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

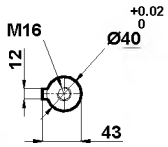
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV375.02
KV376.02

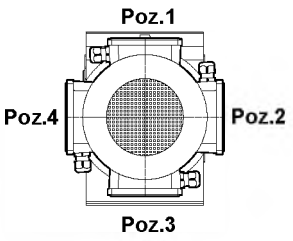






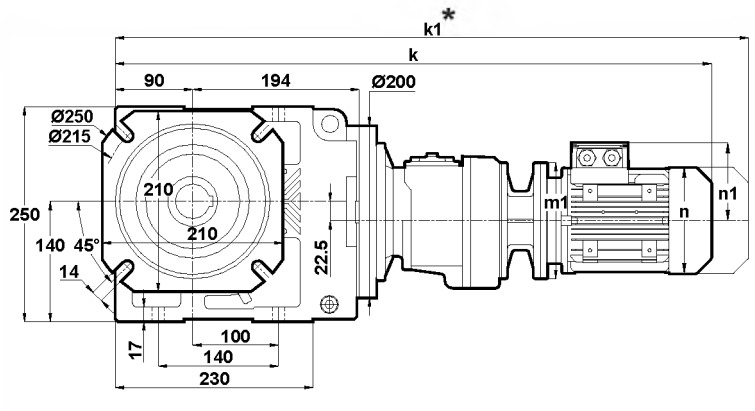
	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

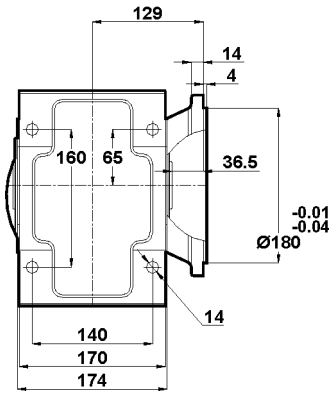
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



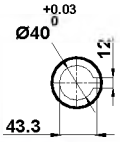
63-71
Tipo / *Type* / Typ

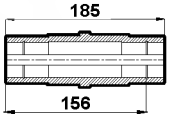
KV375.03
KV376.03



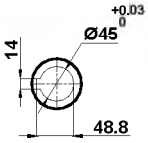


Std.





Ops.

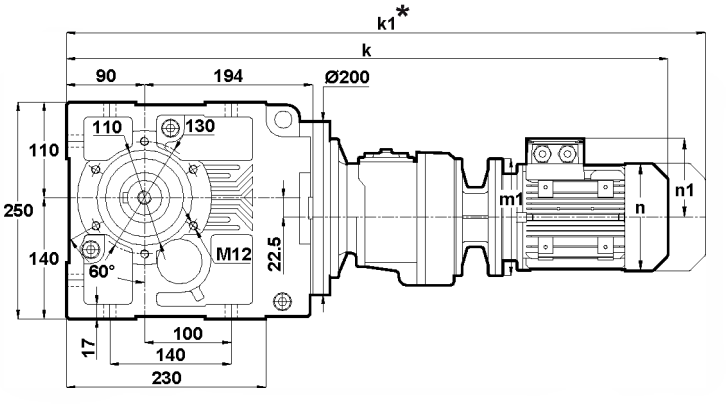


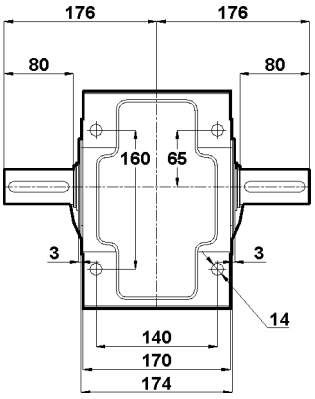
	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

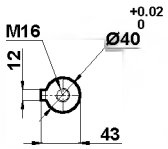
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV375.04
KV376.04

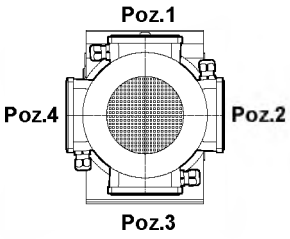






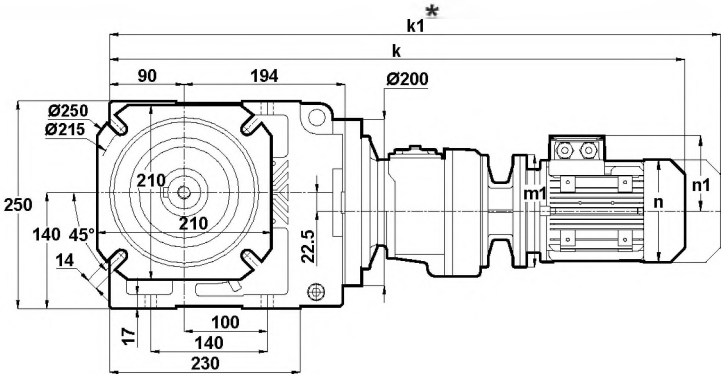
	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

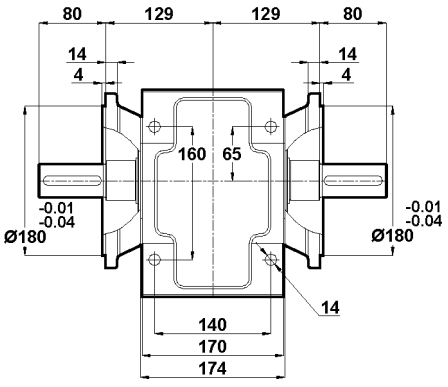
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

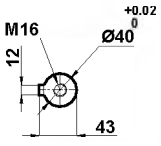


63-71
Tipo / *Type* / Typ

KV375.05
KV376.05







	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

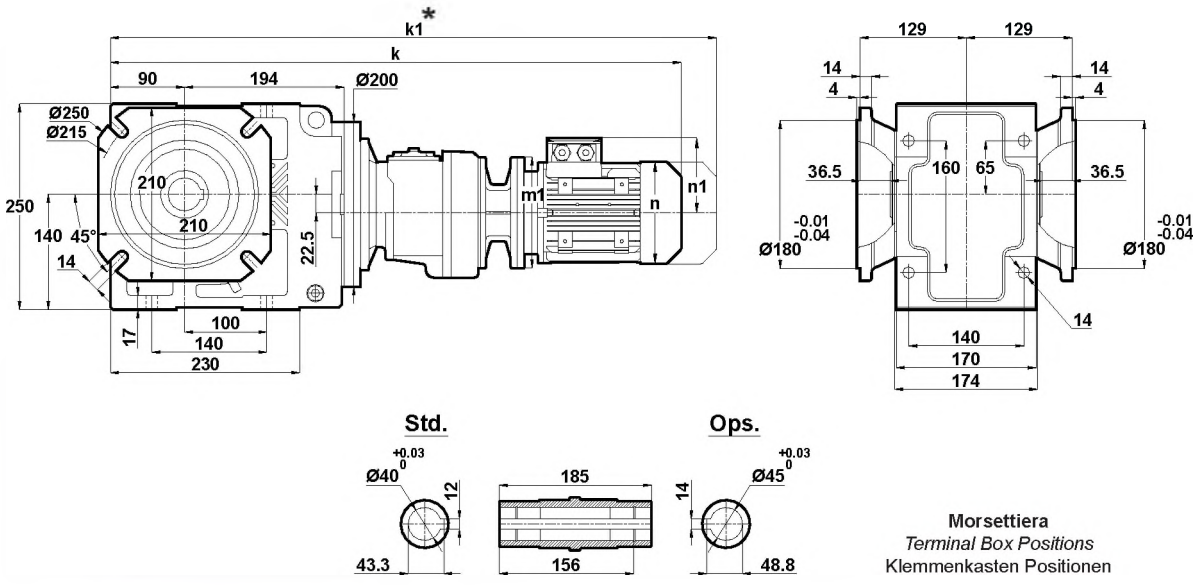
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



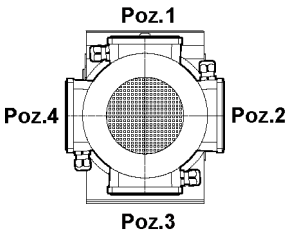
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV375.08
KV376.08



Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71
Tipo / *Type* / Typ

	63/B5 63/B14	71/B5 71/B14
k	688	706
k1	749	797
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	90	105

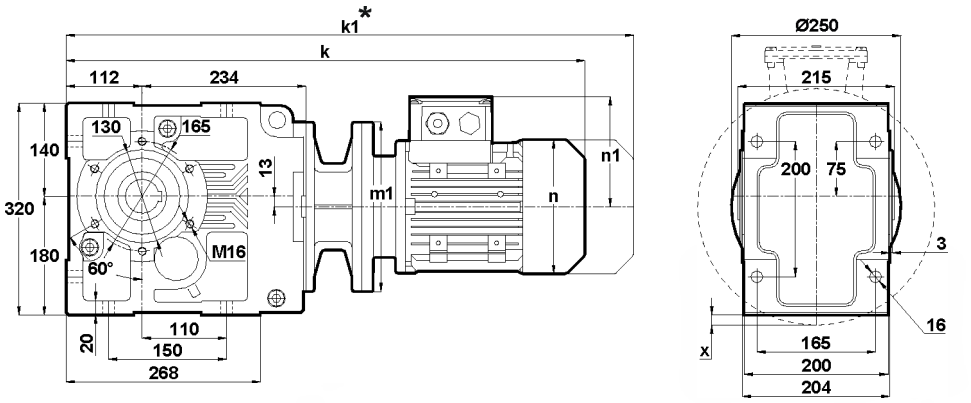
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

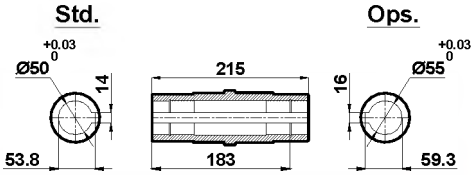


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV473.00

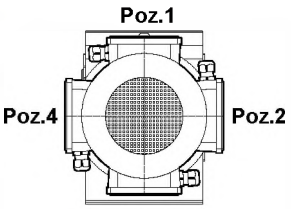




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

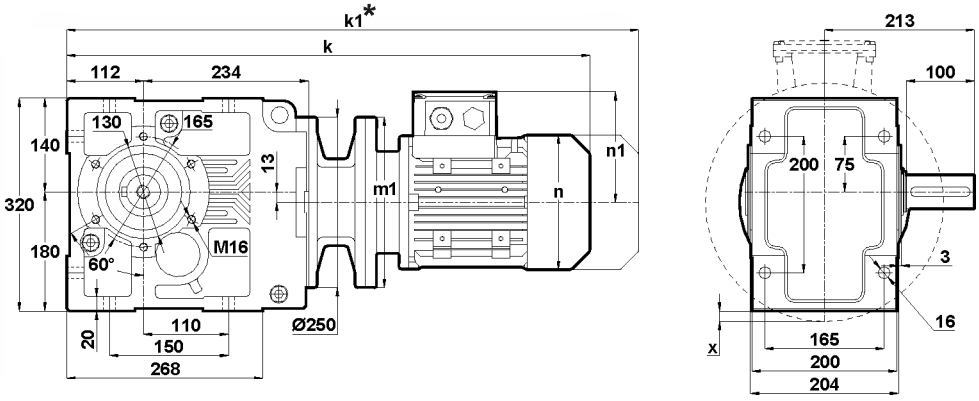
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

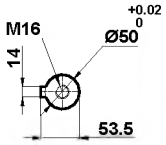
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KV473.01





x: se il motore è inferiore al piano di montaggio del piede
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	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

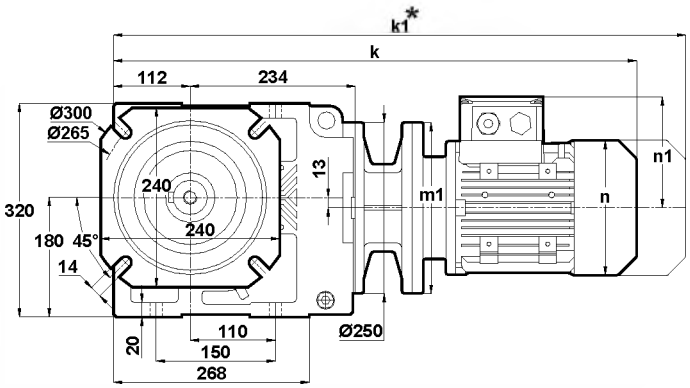
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

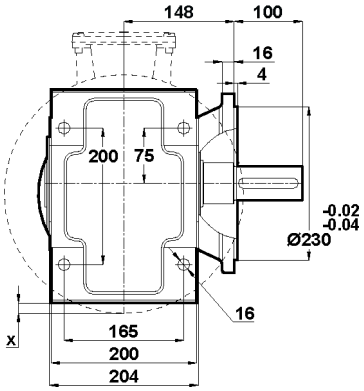


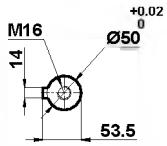
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV473.02



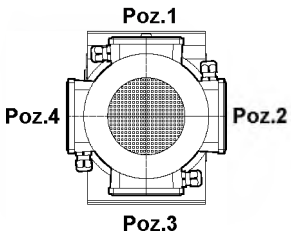




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

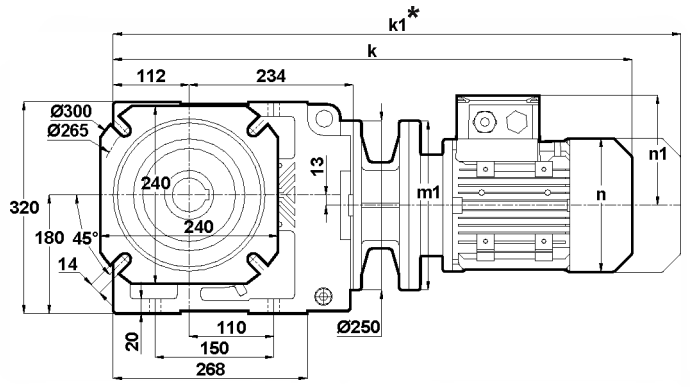
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

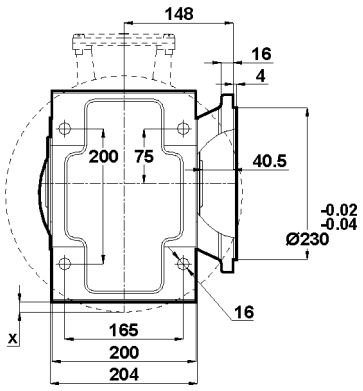
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

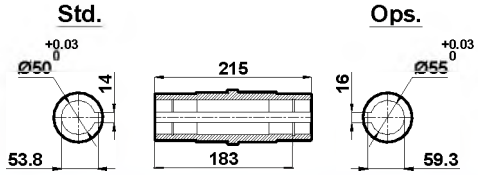


80-90-100-112-132-160-180
Tipo / *Type* / Typ

KV473.03







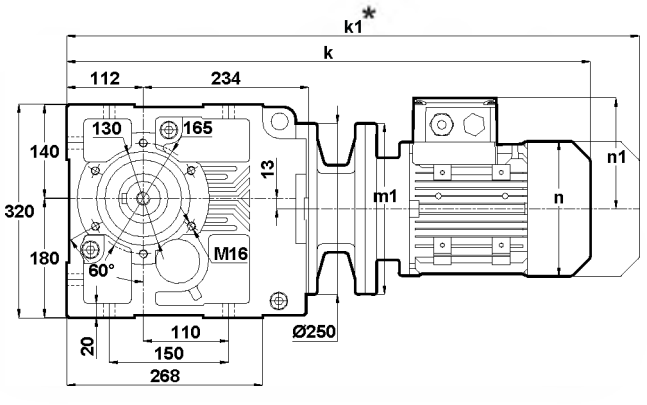
x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

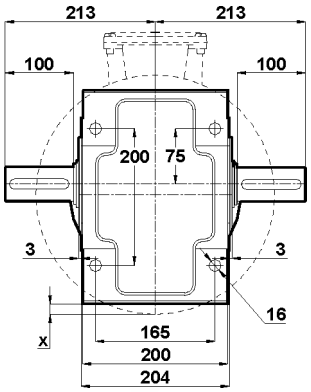
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

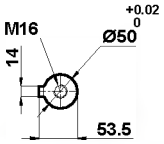
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV473.04



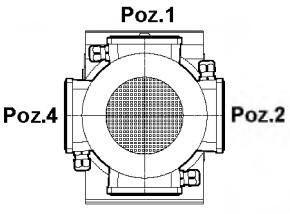


x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



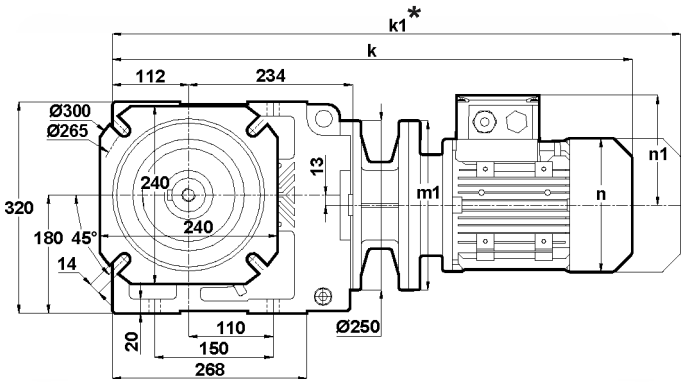
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

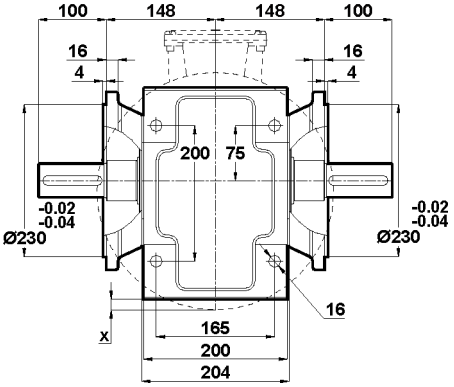
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



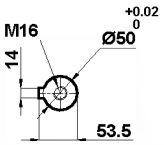
80-90-100-112-132-160-180
Tipo / *Type* / Typ

KV473.05





x: se il motore è inferiore al piano di montaggio del piede
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	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

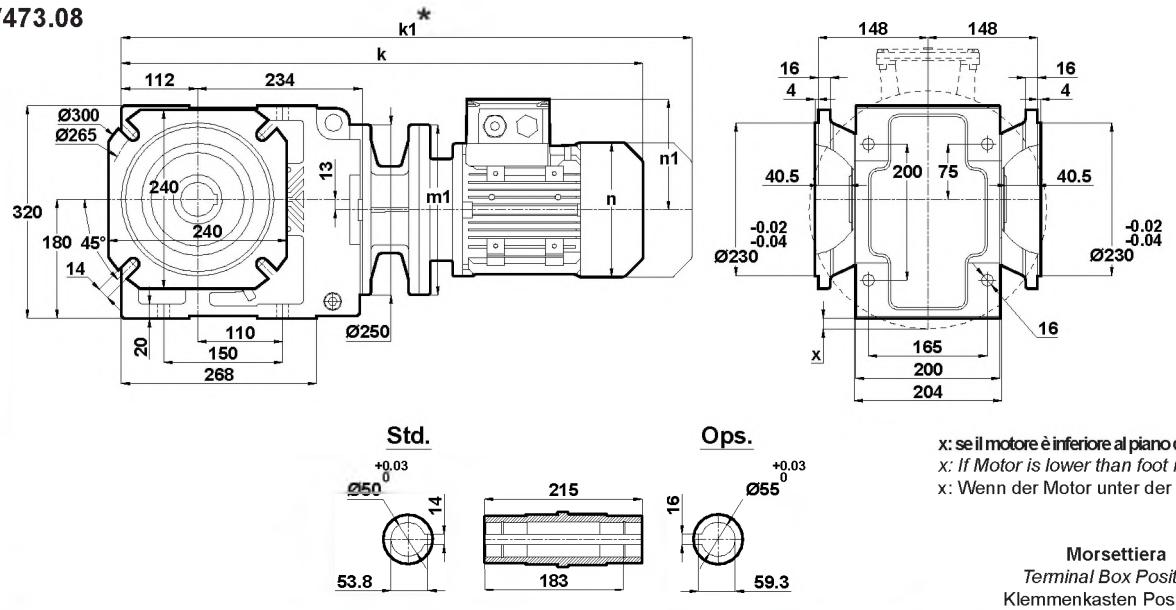
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

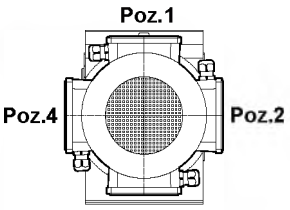
KV473.08



x: se il motore è inferiore al piano di montaggio del piede
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	637	678	678	732	752	855	855	1014	1014	1103	1103
k1	730	782.5	782.5	851.5	856.5	985	985	1194	1194	1273.5	1273.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	200	200	200	250	250	300	300	350	350	350	350
m1 (B14)	-	140	140	160	160	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-	-	6.5	6.5

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

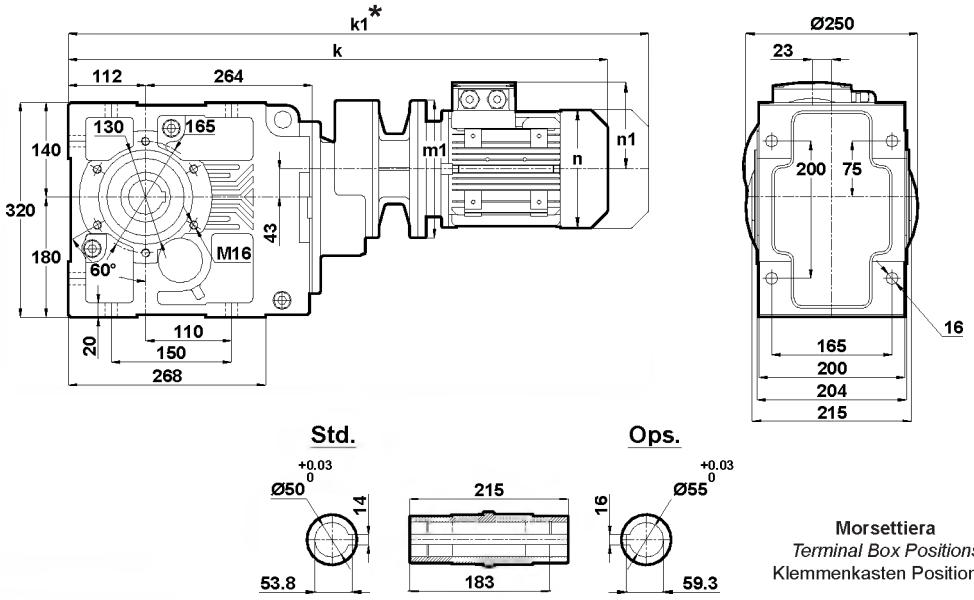


80-90-100-112-132-160-180
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

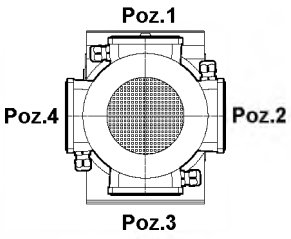
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV474.00



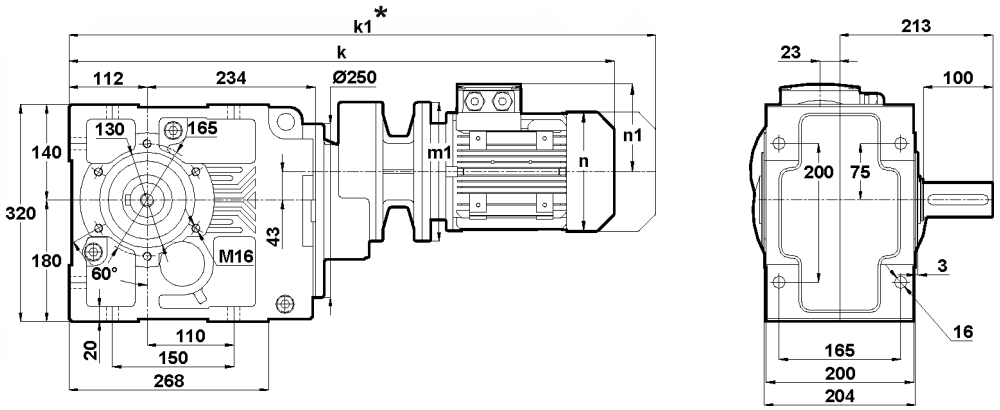
	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

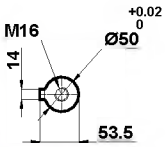
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80
Tipo / *Type* / Typ

KV474.01





	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

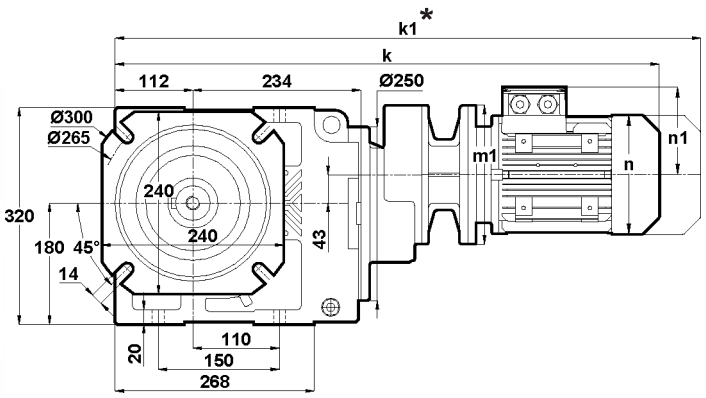
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

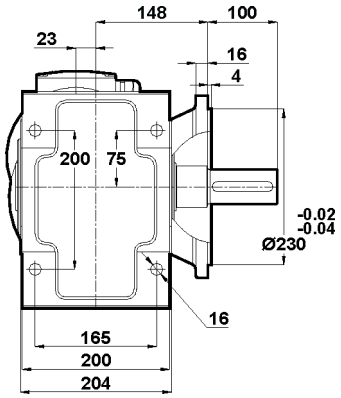


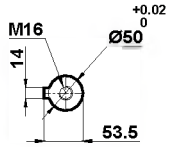
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV474.02

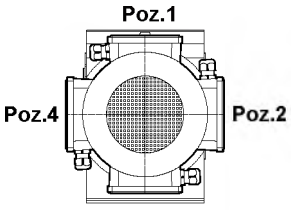






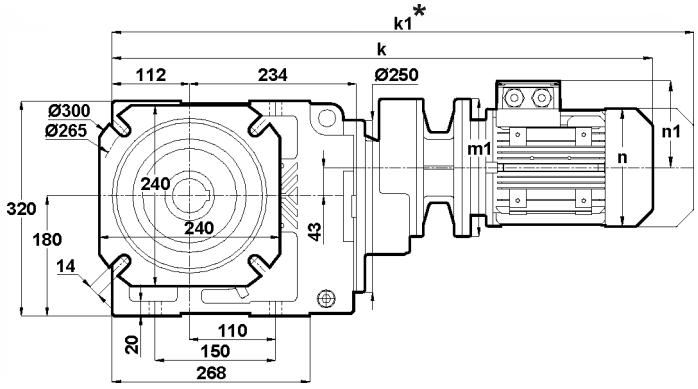
	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

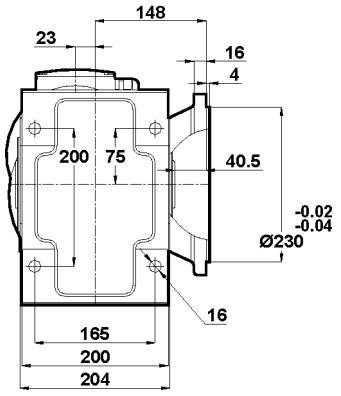
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



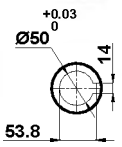
71-80
Tipo / *Type* / Typ

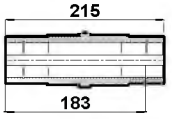
KV474.03



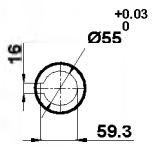


Std.





Ops.

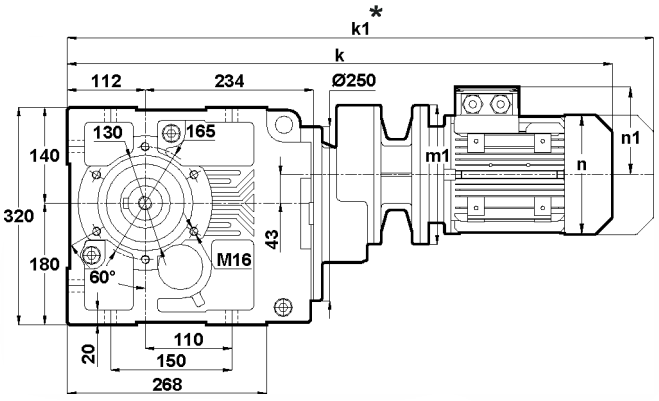


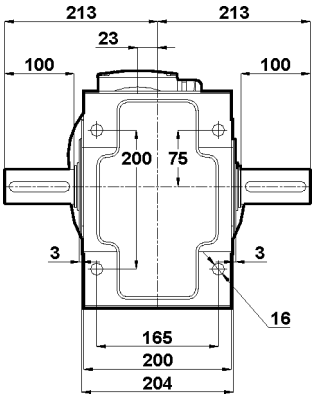
	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

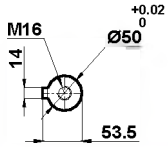
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV474.04

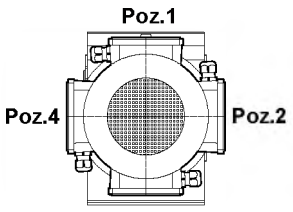






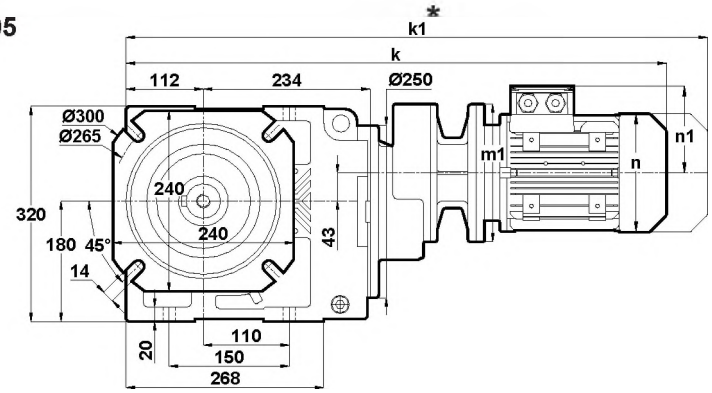
	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

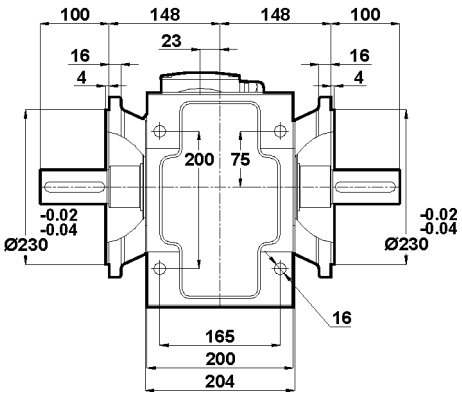
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

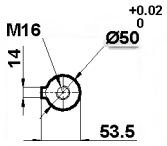


71-80
Tipo / *Type* / Typ

KV474.05





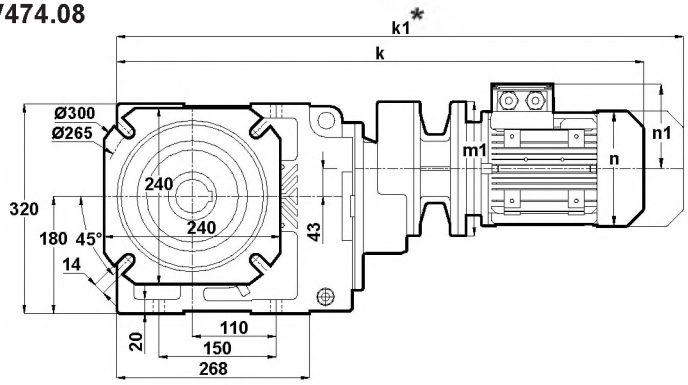


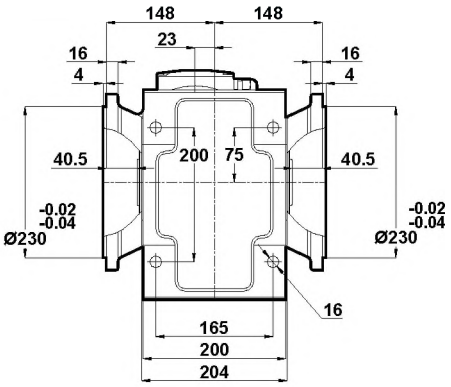
	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

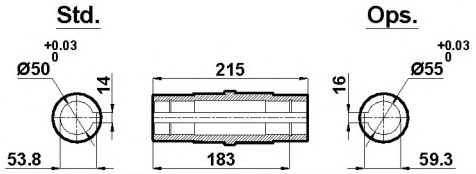
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV474.08

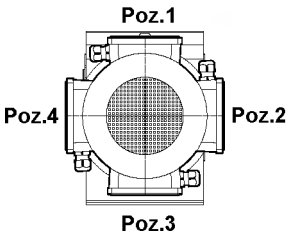






	71/B5	80/B5 80/B14
k	712	735
k1	803	828
n / n1	137	155
m1 (B5)	160	200
m1 (B14)	-	120

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

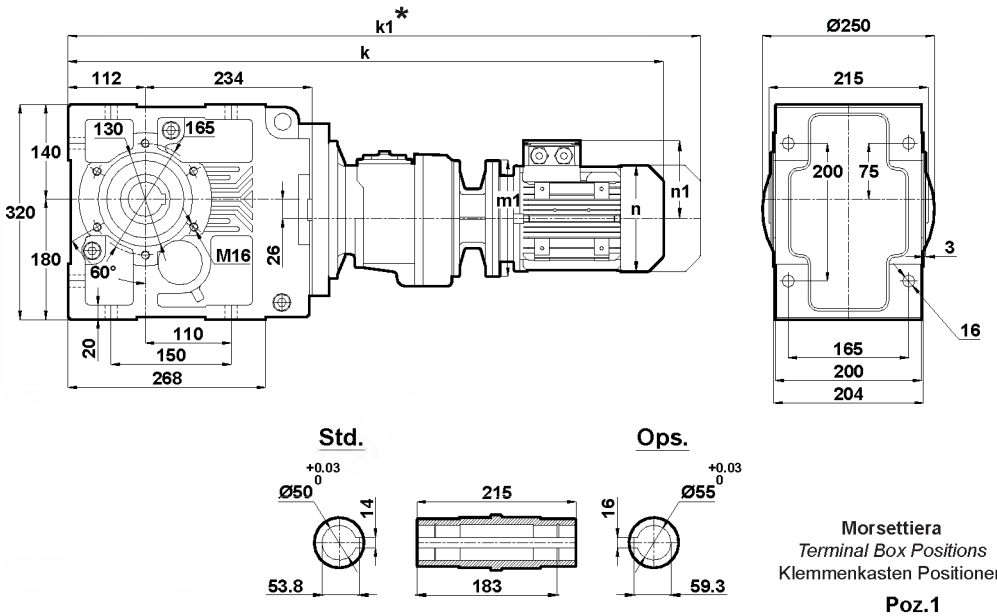


71-80
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

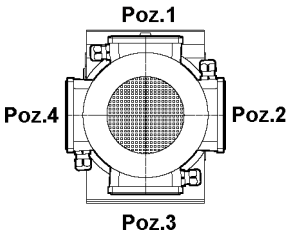
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV475.00
KV476.00



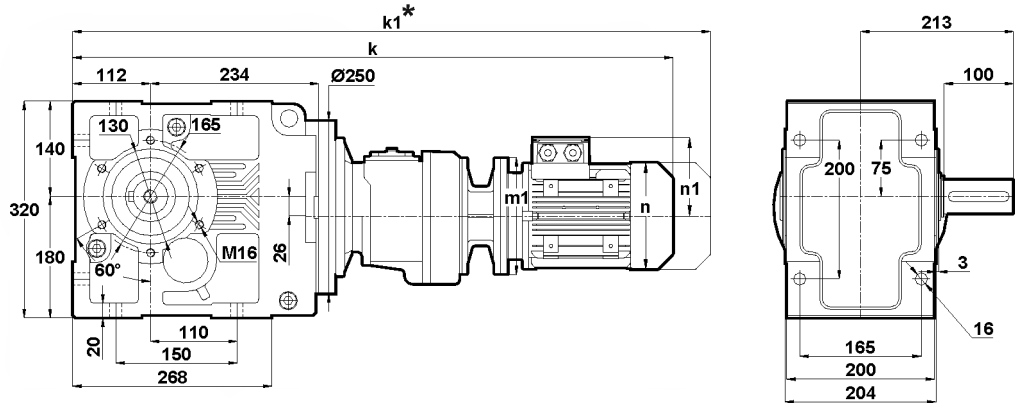
	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

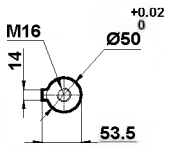
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71
Tipo / *Type* / Typ

KV475.01
KV476.01





	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

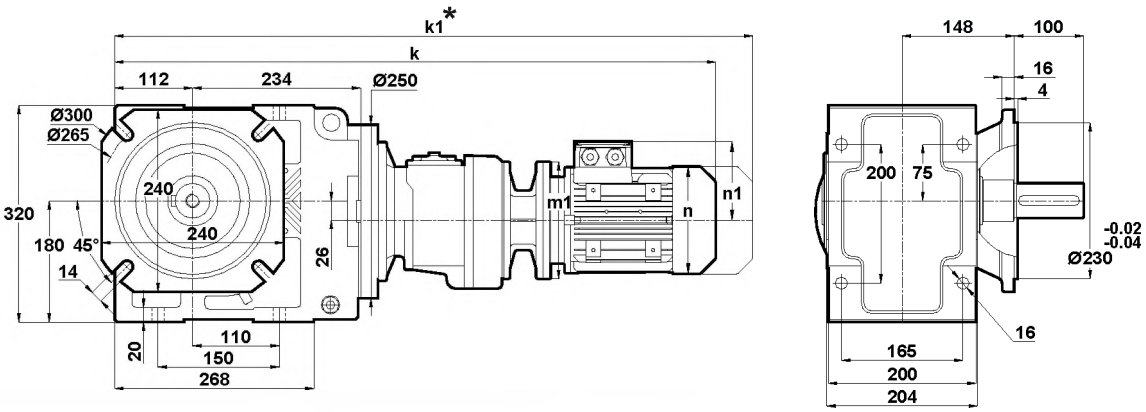
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

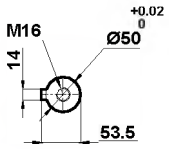


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

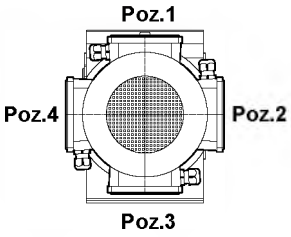
KV475.02
KV476.02





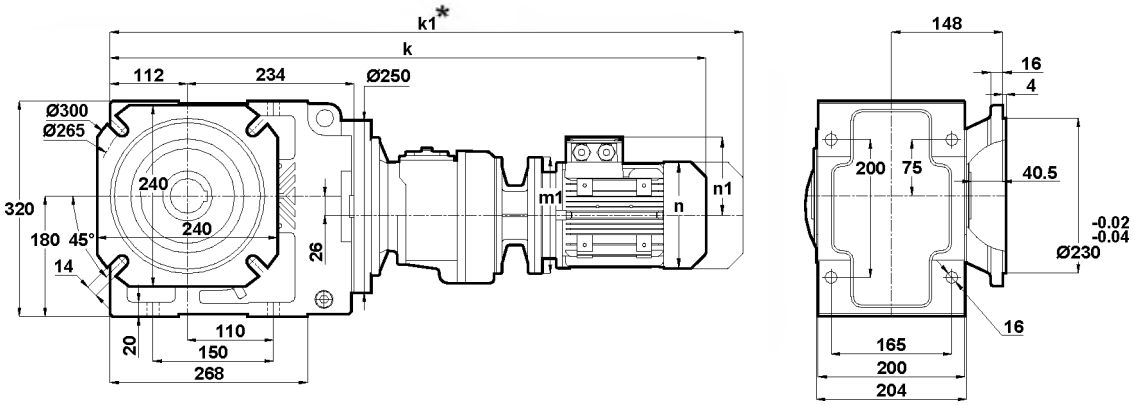
	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

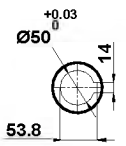


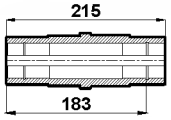
63-71
Tipo / *Type* / Typ

KV475.03
KV476.03

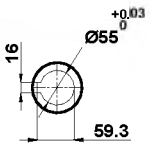


Std.





Ops.

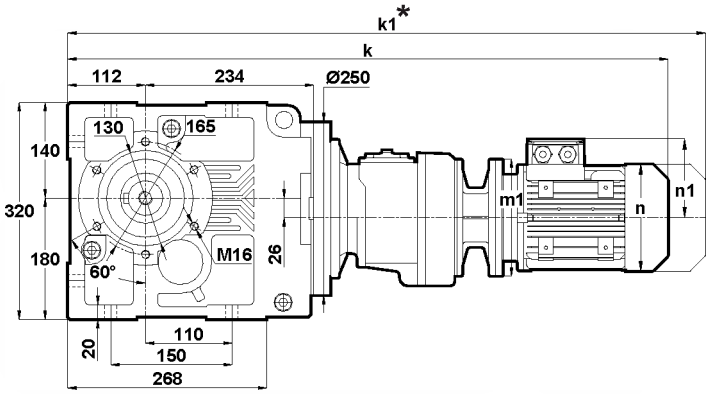


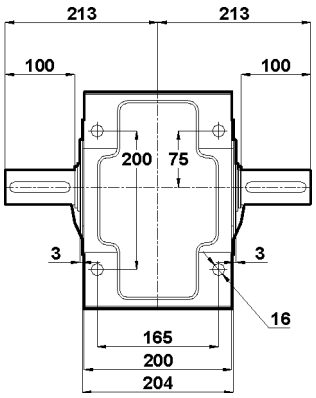
	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

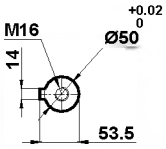
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV475.04
KV476.04

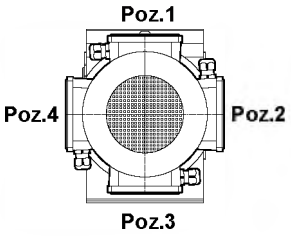






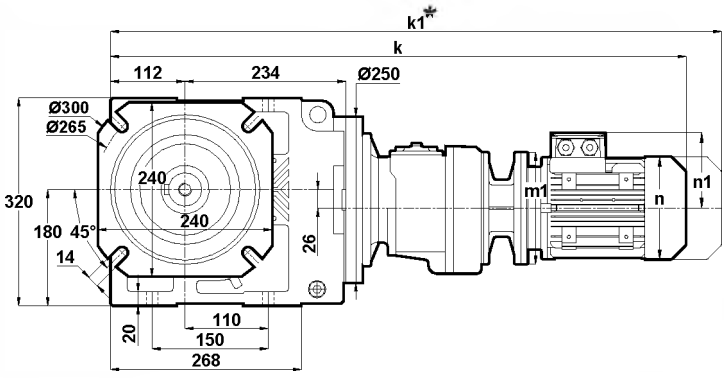
	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

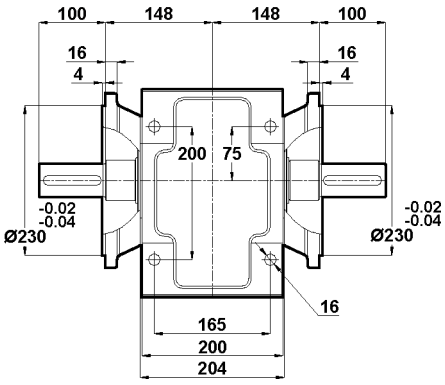
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

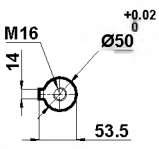


63-71
Tipo / *Type* / Typ

KV475.05
KV476.05





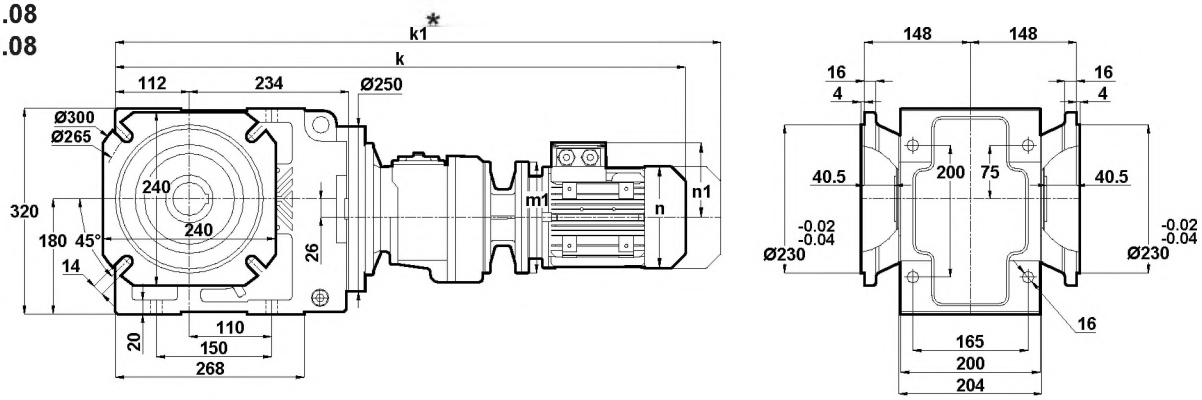


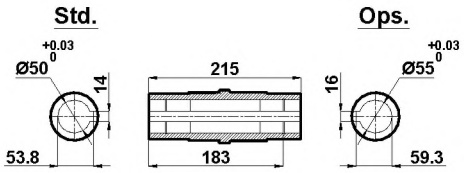
	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

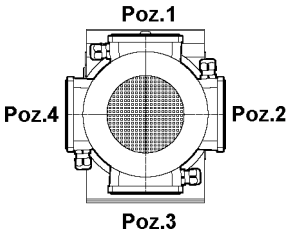
KV475.08
KV476.08





	63/B5	71/B5 71/B14
k	822	811
k1	883	902
n / n1	121 / 97	137 / 112
m1 (B5)	140	160
m1 (B14)	-	105

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

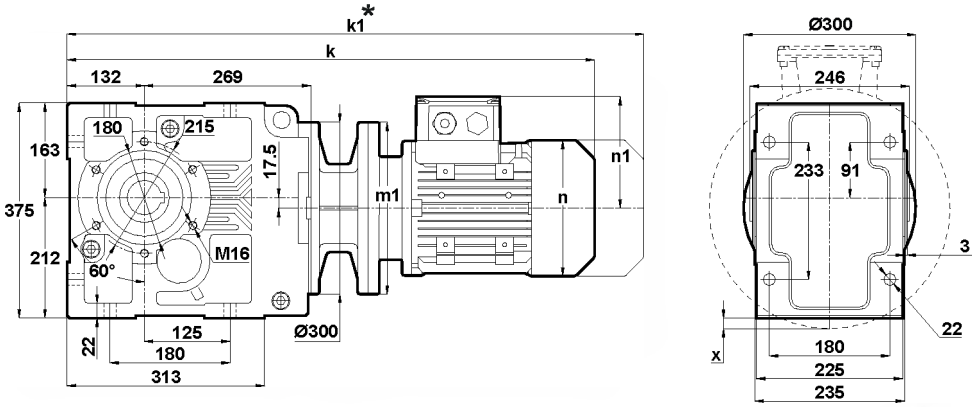


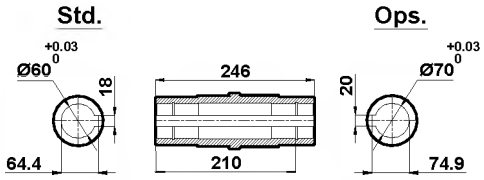
63-71
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV573.00

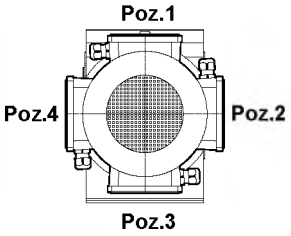




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

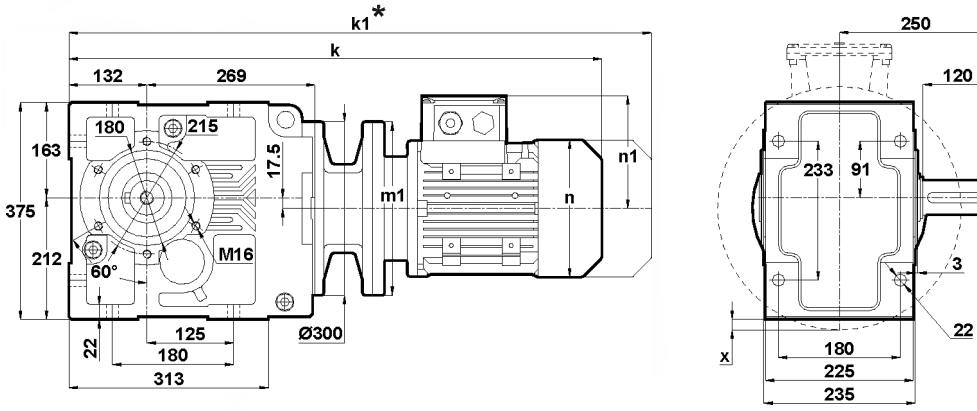
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

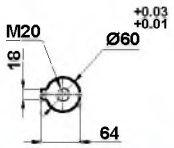
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KV573.01





x: se il motore è inferiore al piano di montaggio del piede
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	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

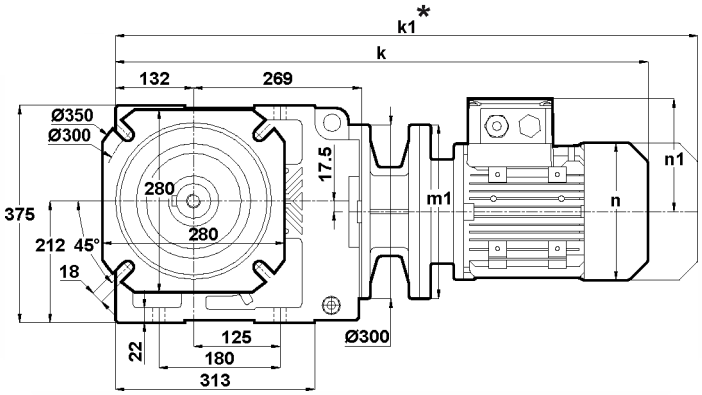
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

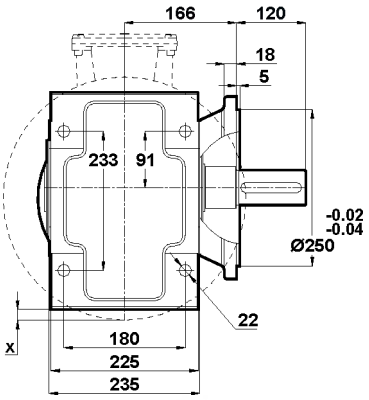


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

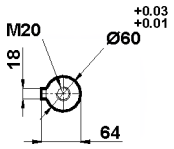
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV573.02

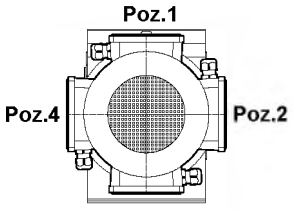




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



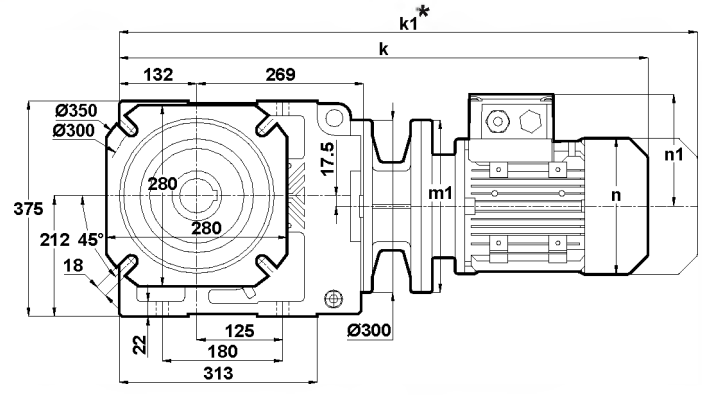
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

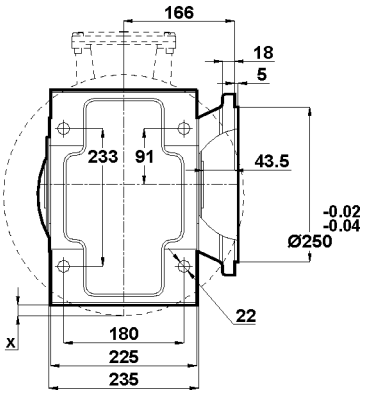


100-112-132-160-180
Tipo / *Type* / Typ

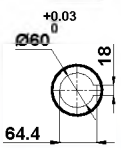
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

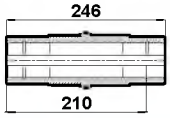
KV573.03



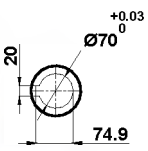


Std.





Ops.



x: se il motore è inferiore al piano di montaggio del piede
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	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

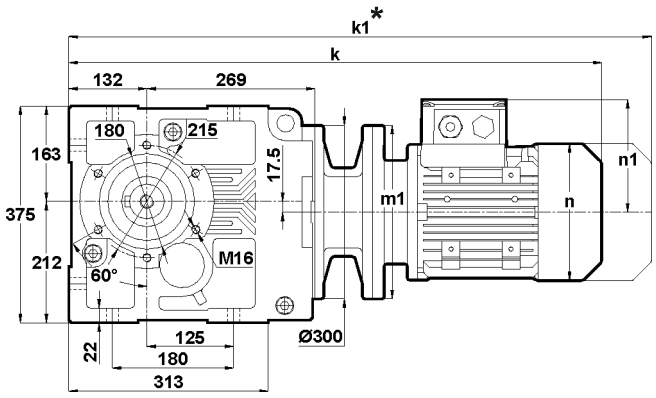
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

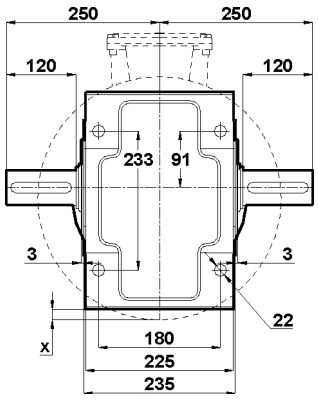


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

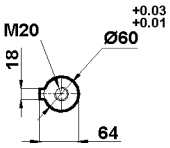
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV573.04

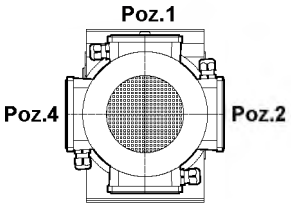




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist



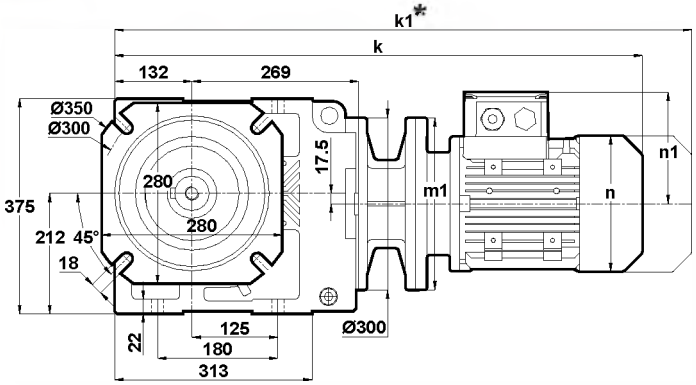
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

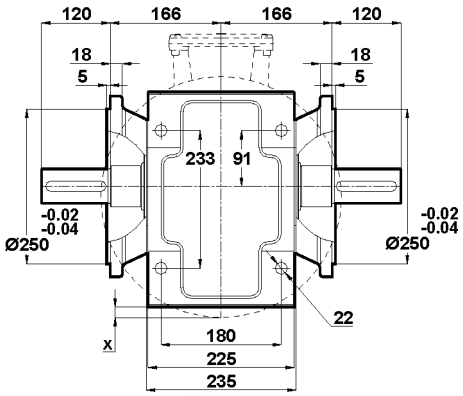


100-112-132-160-180
Tipo / *Type* / Typ

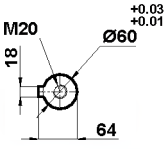
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

KV573.05





x: se il motore è inferiore al piano di montaggio del piede
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	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

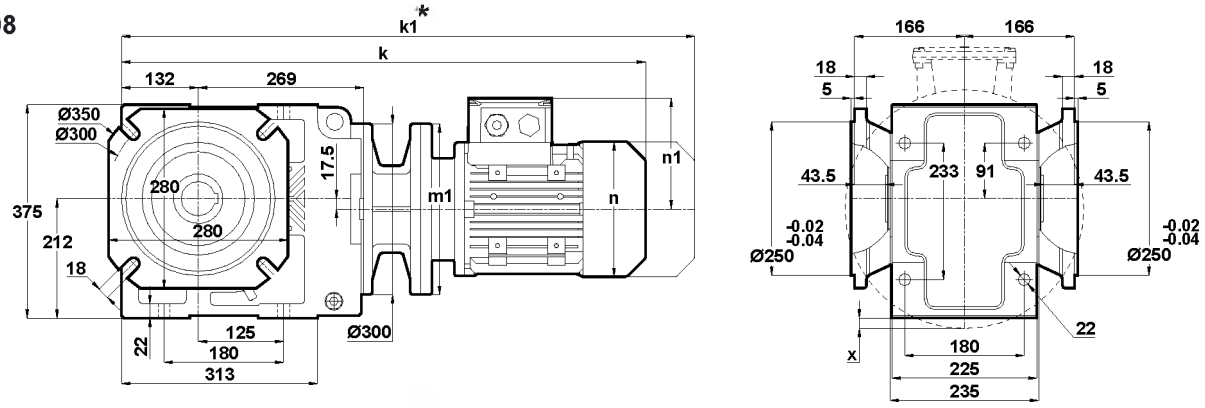
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

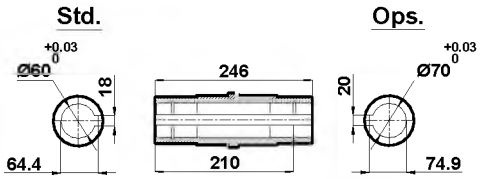


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV573.08

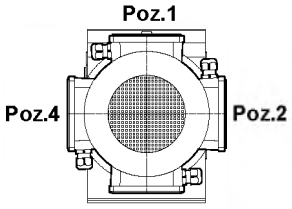




x: se il motore è inferiore al piano di montaggio del piede
x: If Motor is lower than foot mounting plane
x: Wenn der Motor unter der Fußmontageebene ist

	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5
k	784	805	910	910	1065	1065	1154	1154
k1	903.5	909.5	1040	1040	1245	1245	1324.5	1324.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234
m1 (B5)	250	250	300	300	350	350	350	400
m1 (B14)	-	-	200	200	-	-	-	-
x	-	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

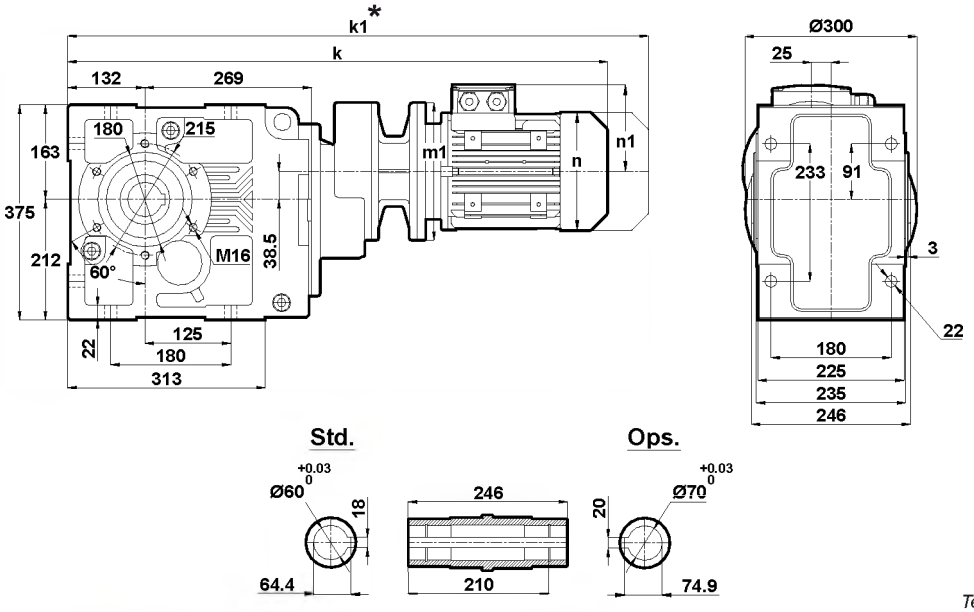


100-112-132-160-180
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

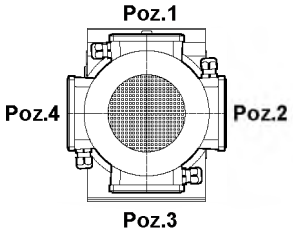
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV574.00



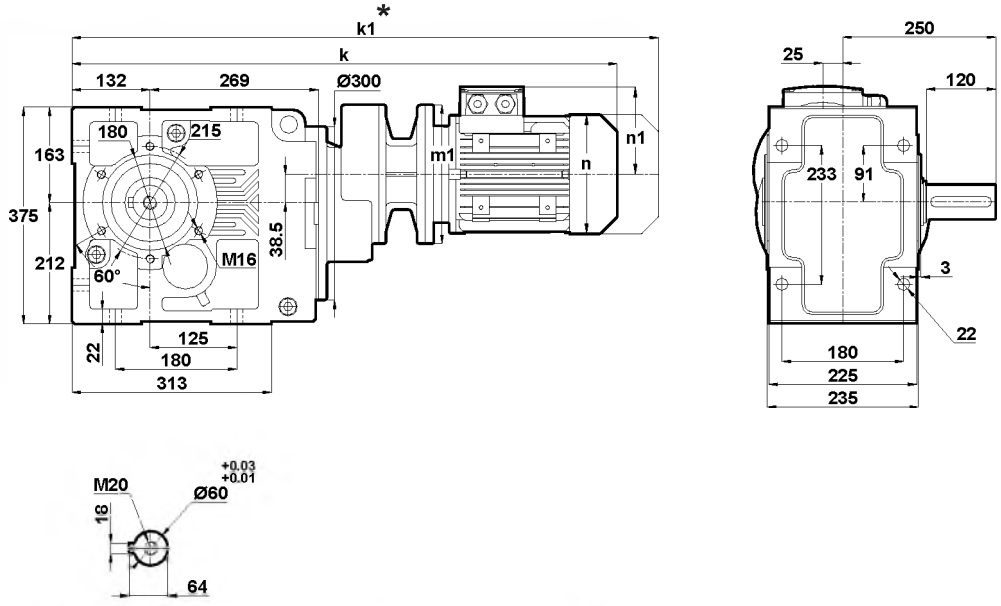
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90-100
Tipo / *Type* / Typ

KV574.01

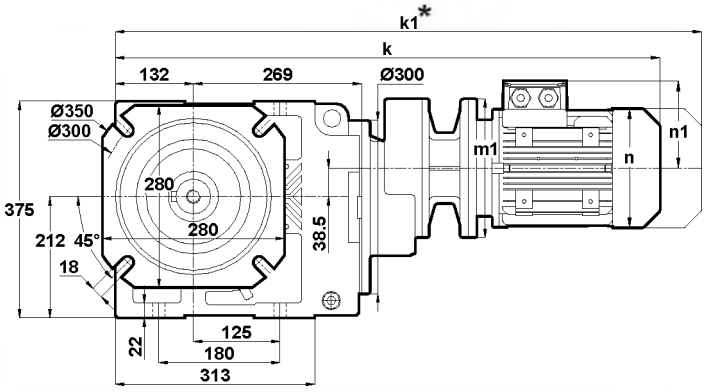


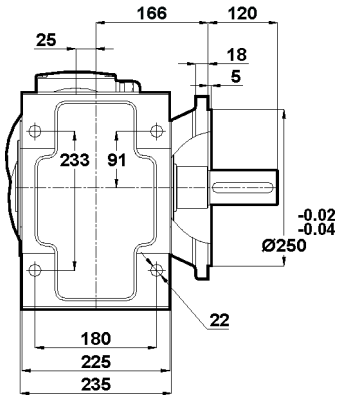
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

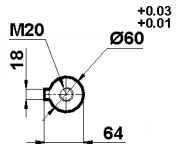
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV574.02

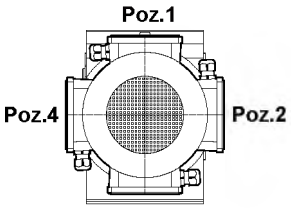






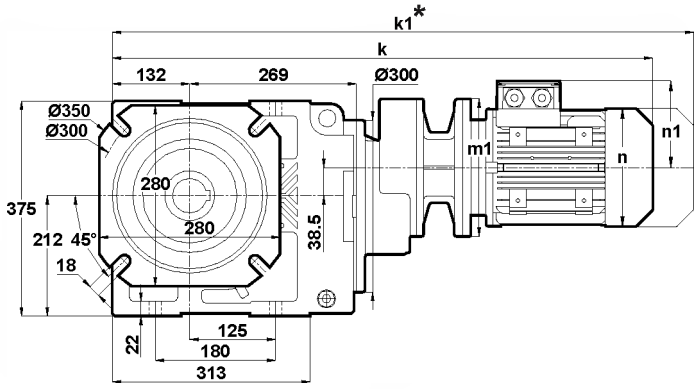
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

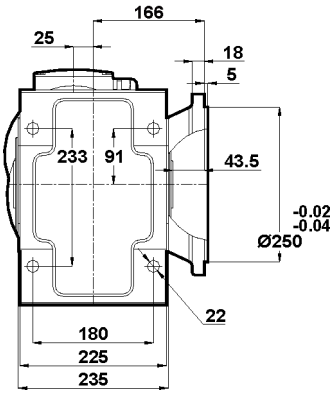
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



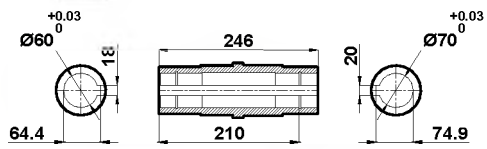
71-80-90-100
Tipo / *Type* / Typ

KV574.03





Std. **Ops.**

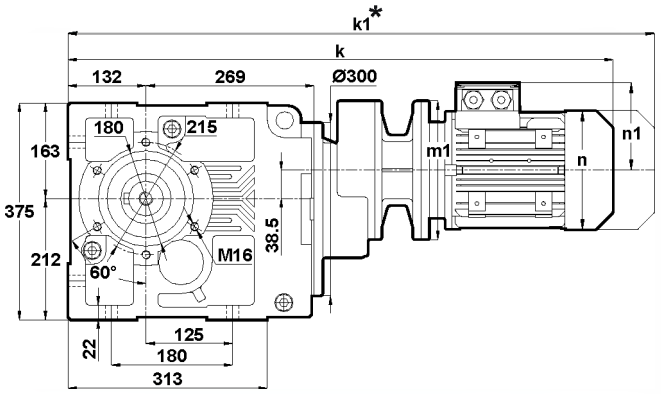


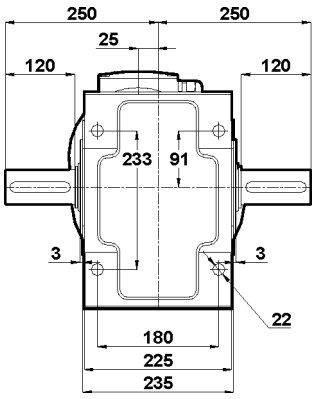
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

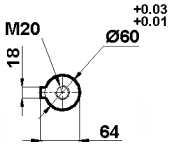
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV574.04

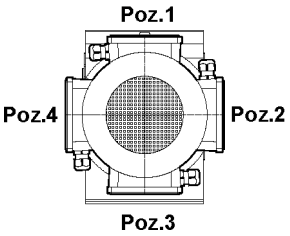






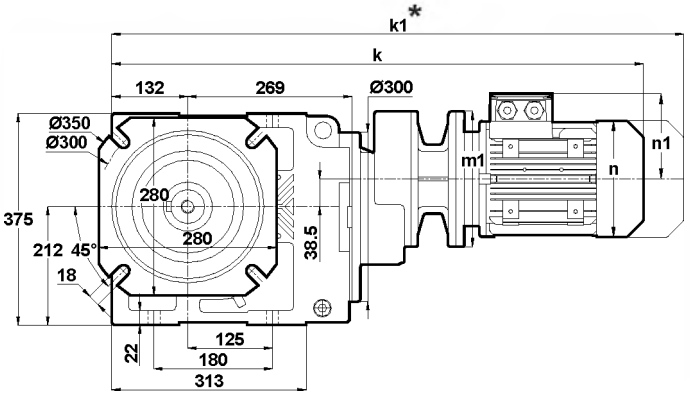
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

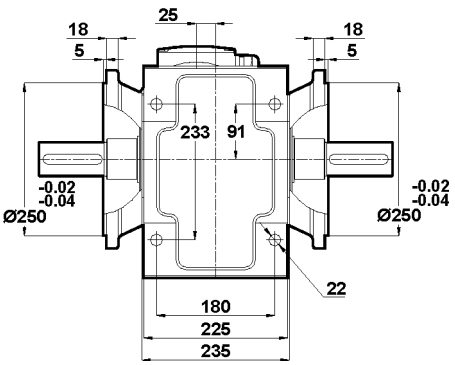
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

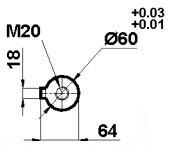


71-80-90-100
Tipo / *Type* / Typ

KV574.05





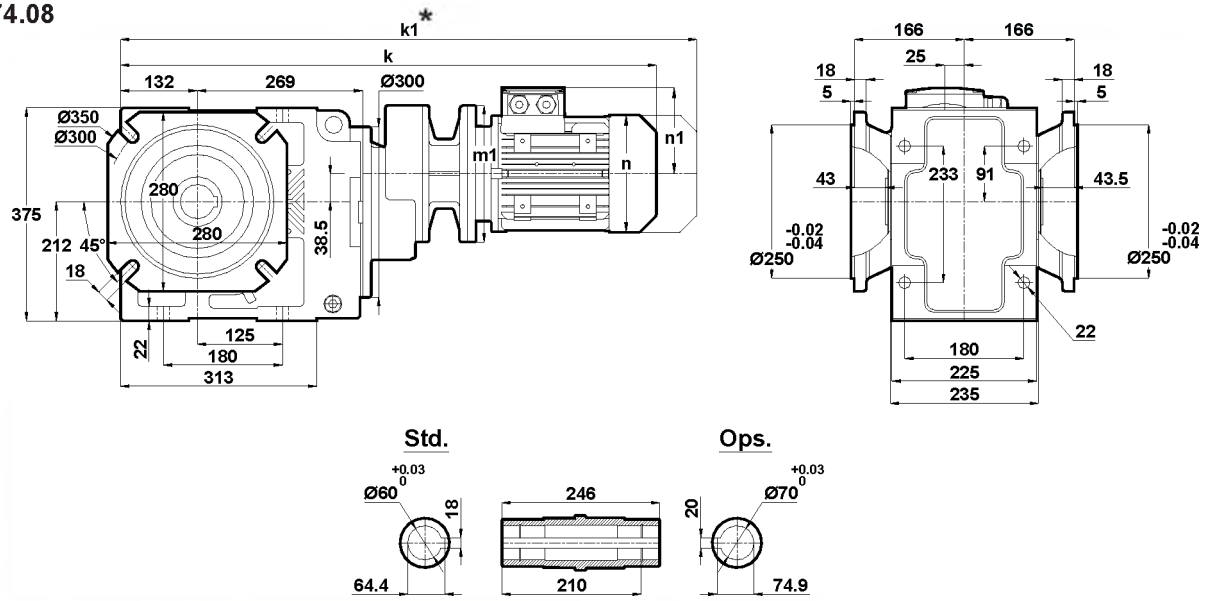


	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

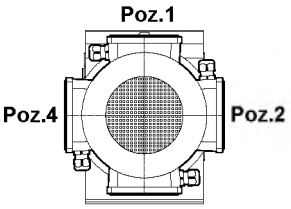
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV574.08



	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5
k	765	788	829	829	881
k1	856	881	933.5	933.5	1000.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

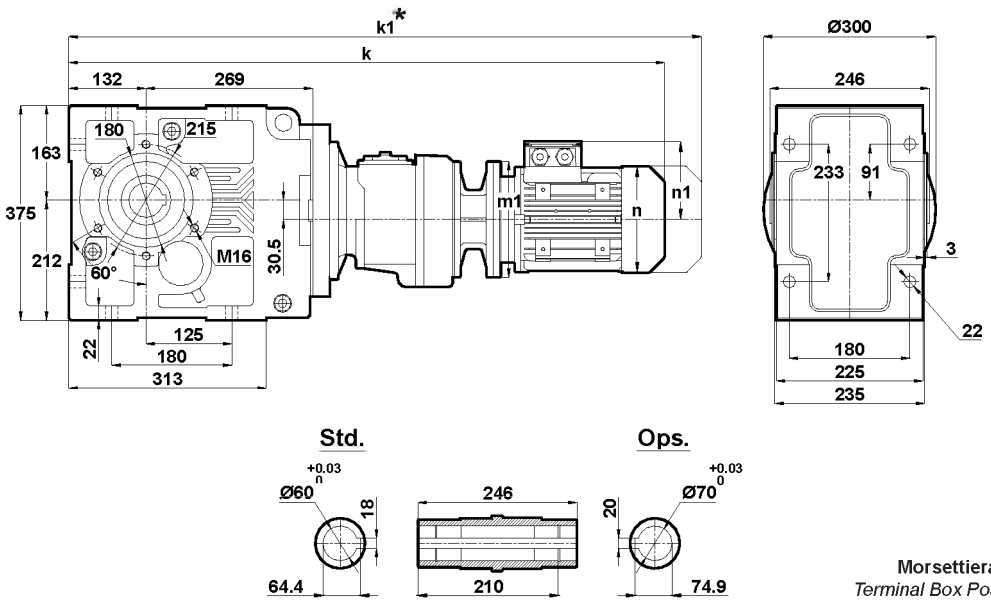


71-80-90-100
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

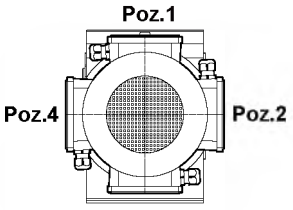
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV575.00
KV576.00



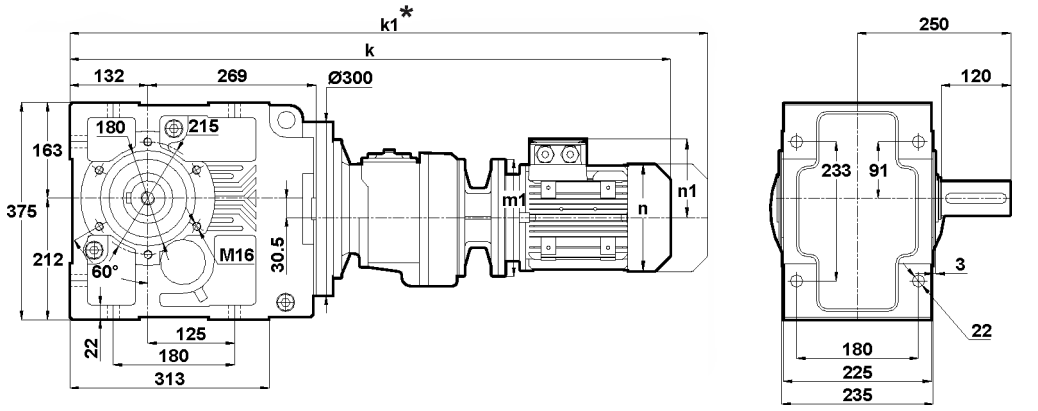
	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

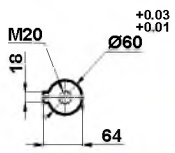
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tipo / *Type* / Typ

KV575.01
KV576.01





	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

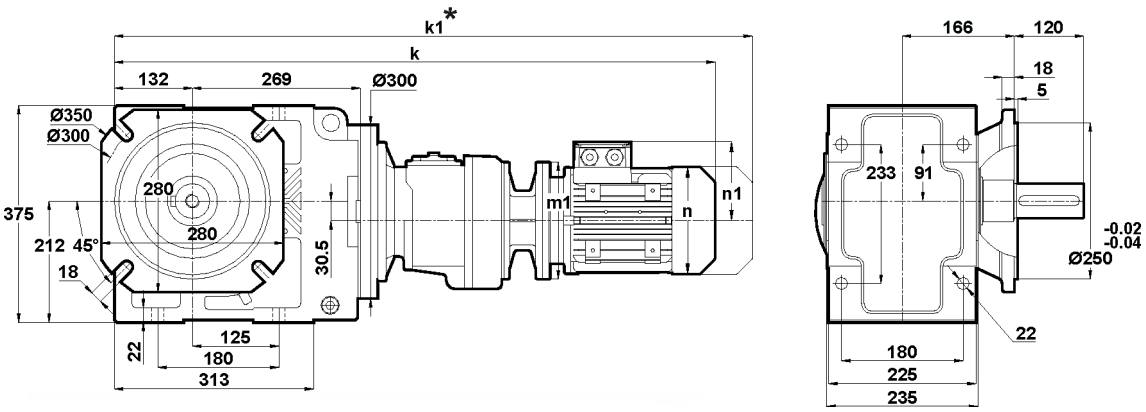
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

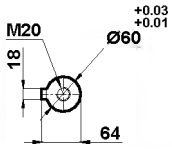


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

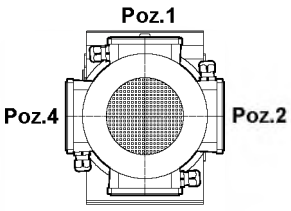
KV575.02
KV576.02





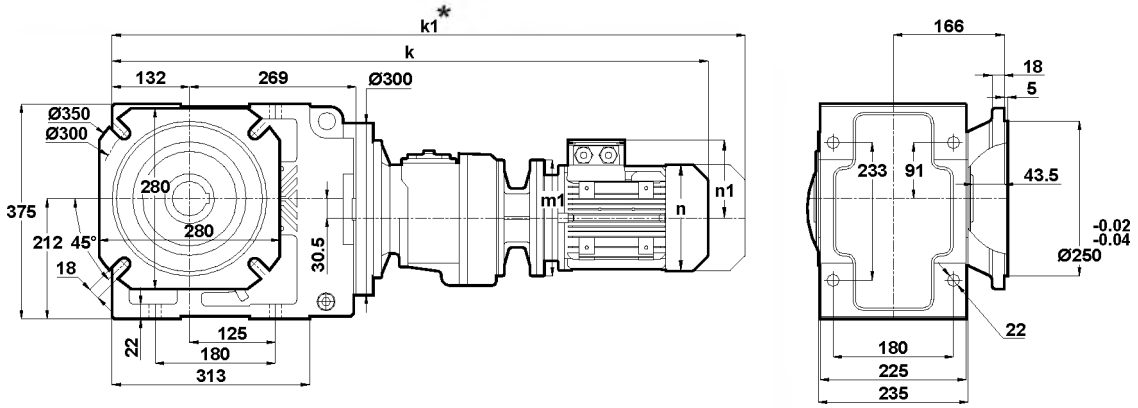
	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

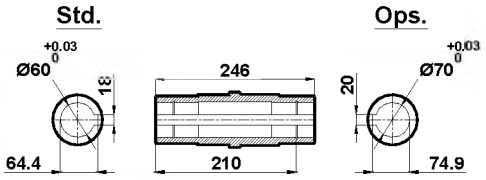
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tipo / *Type* / Typ

KV575.03
KV576.03



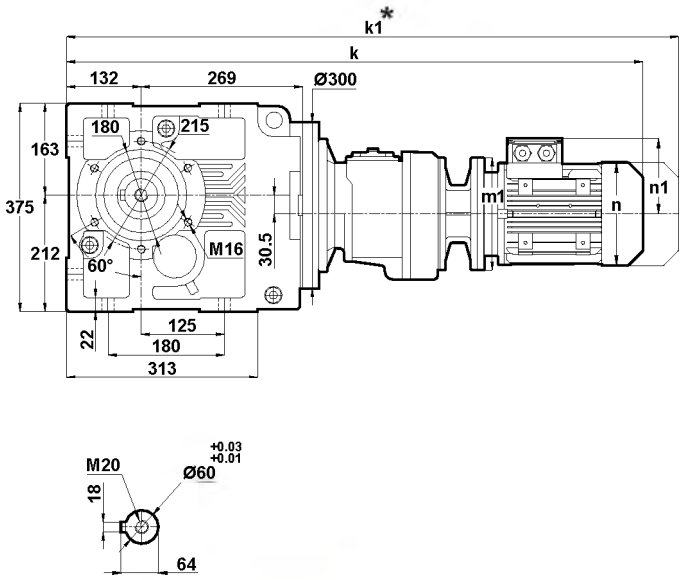


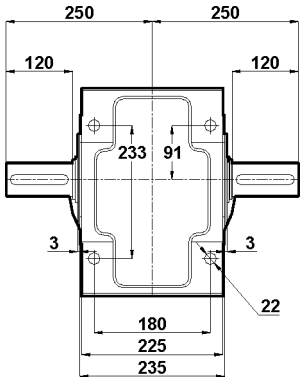
	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

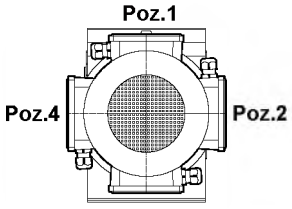
KV575.04
KV576.04





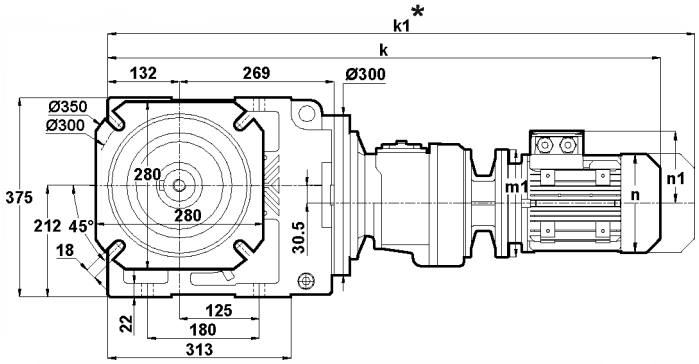
	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

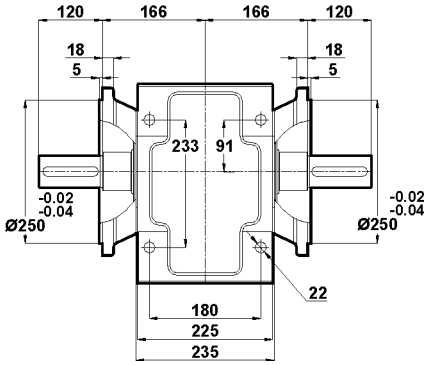
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

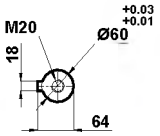


63-71-80
Tipo / *Type* / Typ

KV575.05
KV576.05







	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

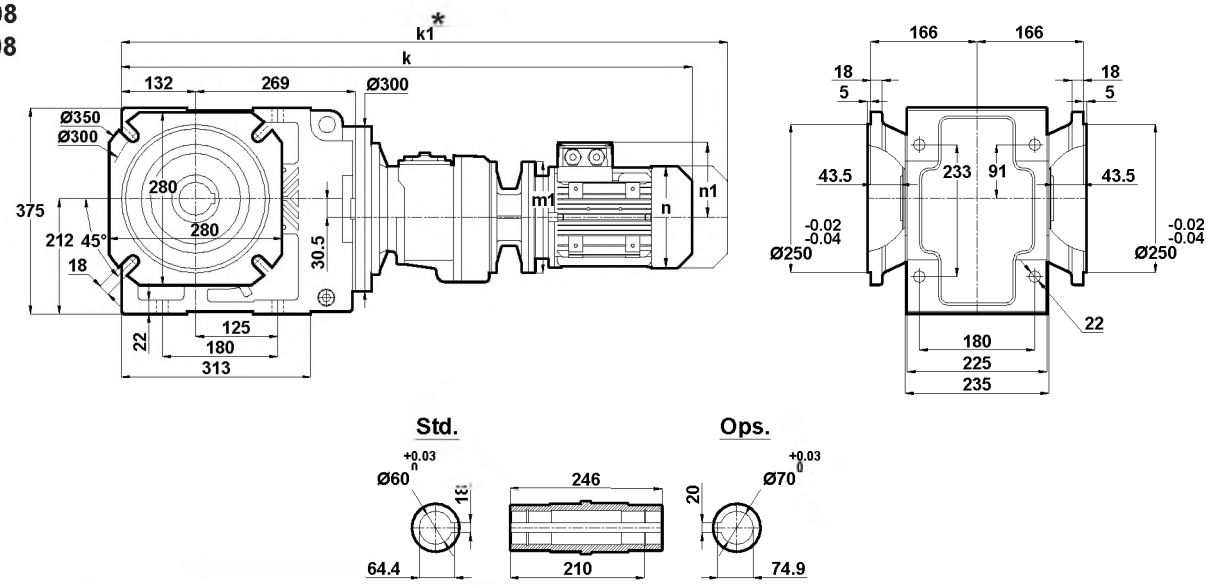
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

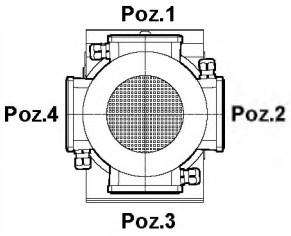
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV575.08
KV576.08



	63/B5	71/B5 71/B14	80/B5 80/B14
k	877	866	918
k1	938	957	1011
n / n1	121 / 97	137 / 112	155 / 121
m1 (B5)	140	160	200
m1 (B14)	-	105	120

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



63-71-80
Tipo / *Type* / Typ

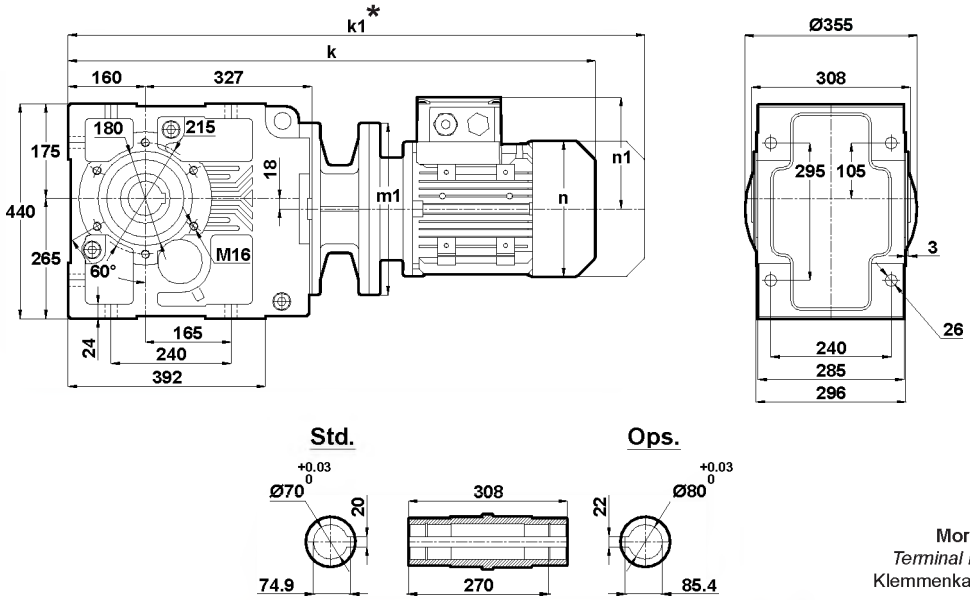
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

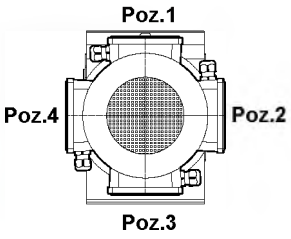
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV673.00



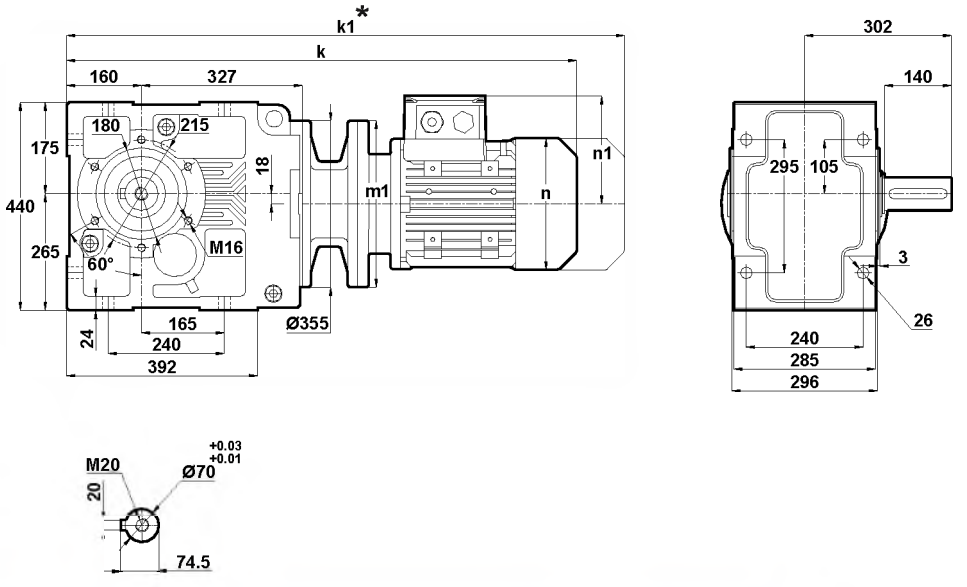
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



100-112-132-160-180-200-225
Tipo / *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	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

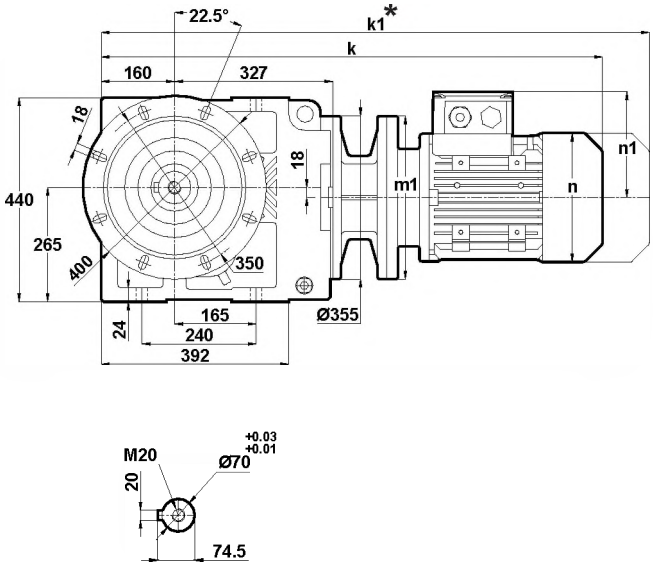
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

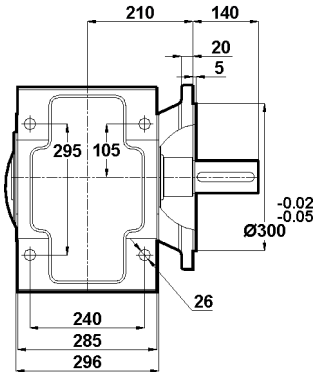


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

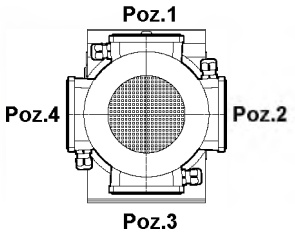
KV673.02





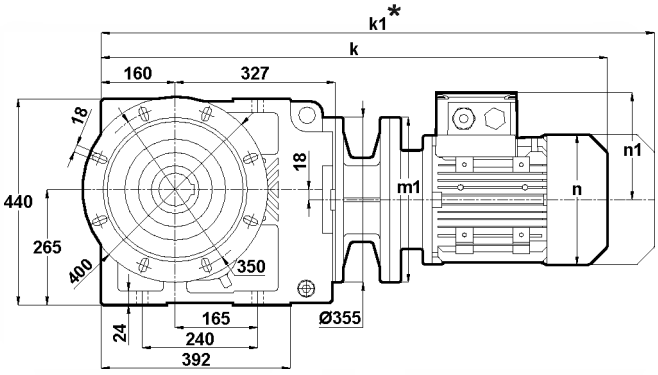
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5
k	866	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

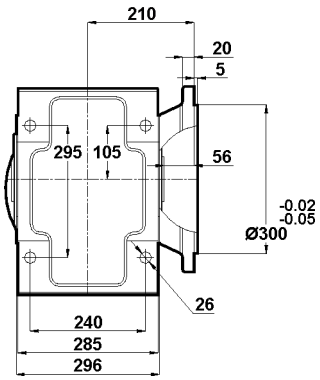
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

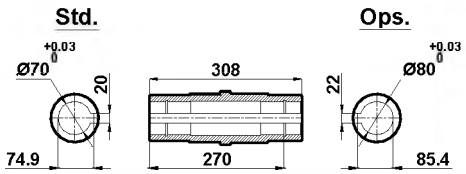


100-112-132-160-180-200-225
Tipo / *Type* / Typ

KV673.03







	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	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

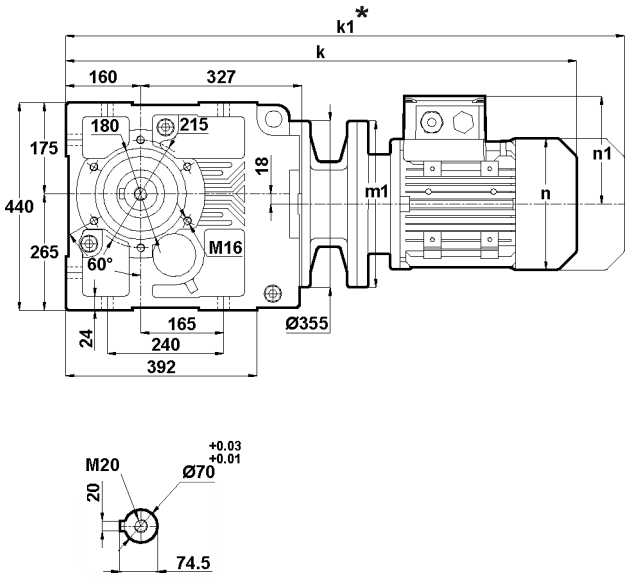
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

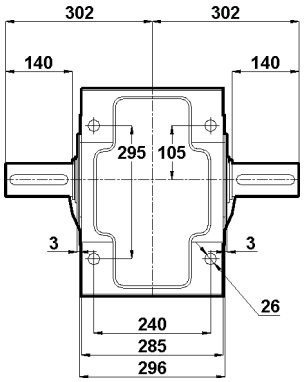


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

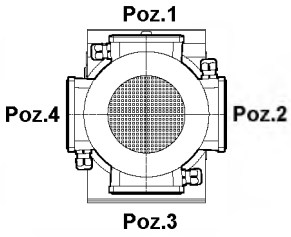
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV673.04





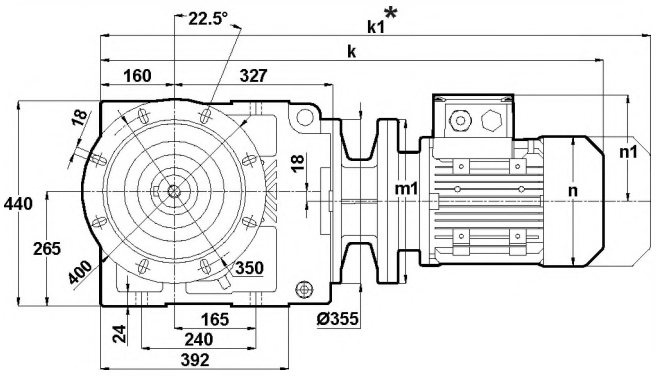
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

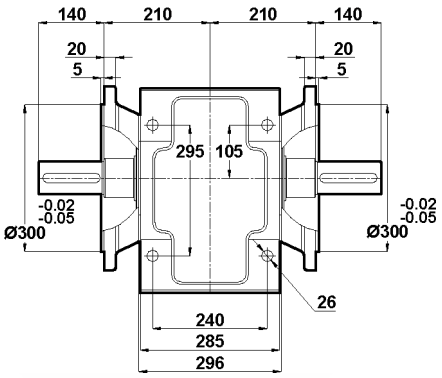


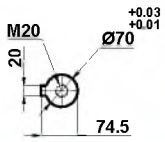
100-112-132-160-180-200-225
Tipo / *Type* / Typ

	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	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

KV673.05







	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	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

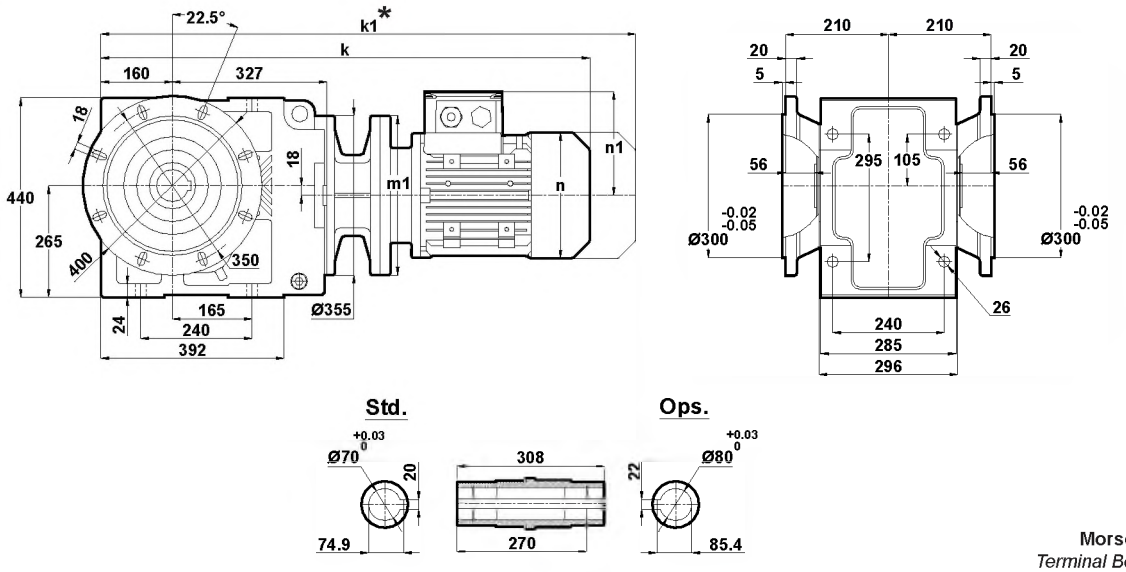
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

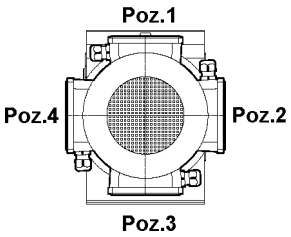
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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	887	986	986	1140	1140	1230	1230	1303	1374	1399
k1	985.5	991.5	1116	1116	1320	1320	1400.5	1400.5	1489.5	1539	1564
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285
m1 (B5)	250	250	300	300	350	350	350	350	400	450	450
m1 (B14)	-	-	200	200	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

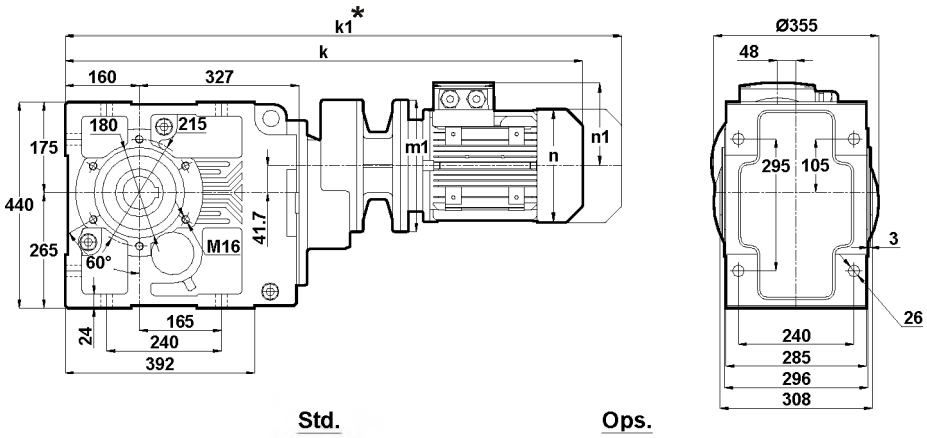


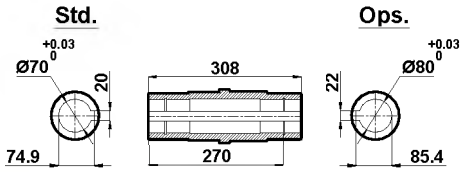
100-112-132-160-180-200-225
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

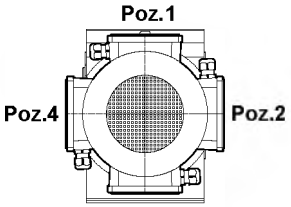
KV674.00





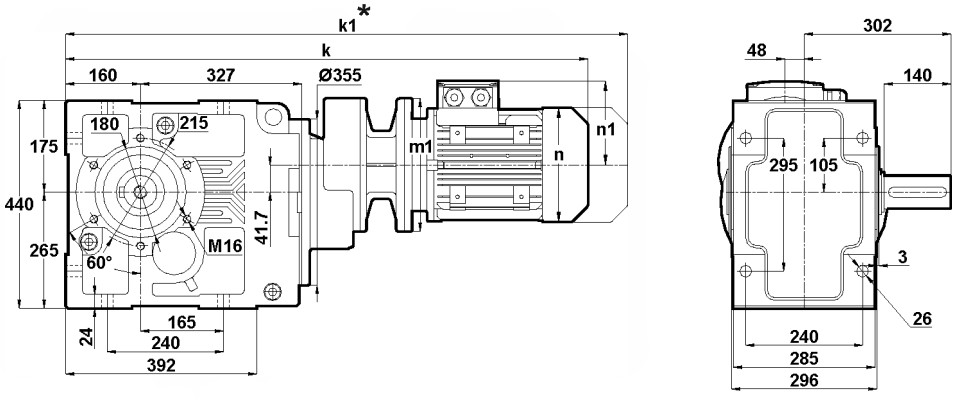
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

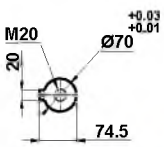
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



80-90-100
Tipo / *Type* / Typ

KV674.01





	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

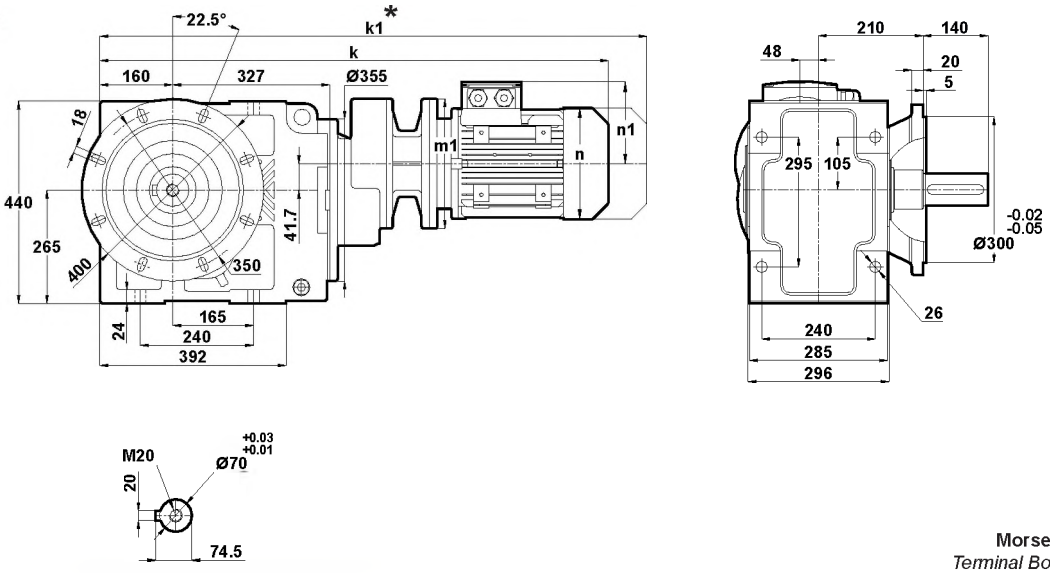
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

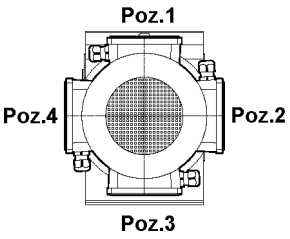
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV674.02



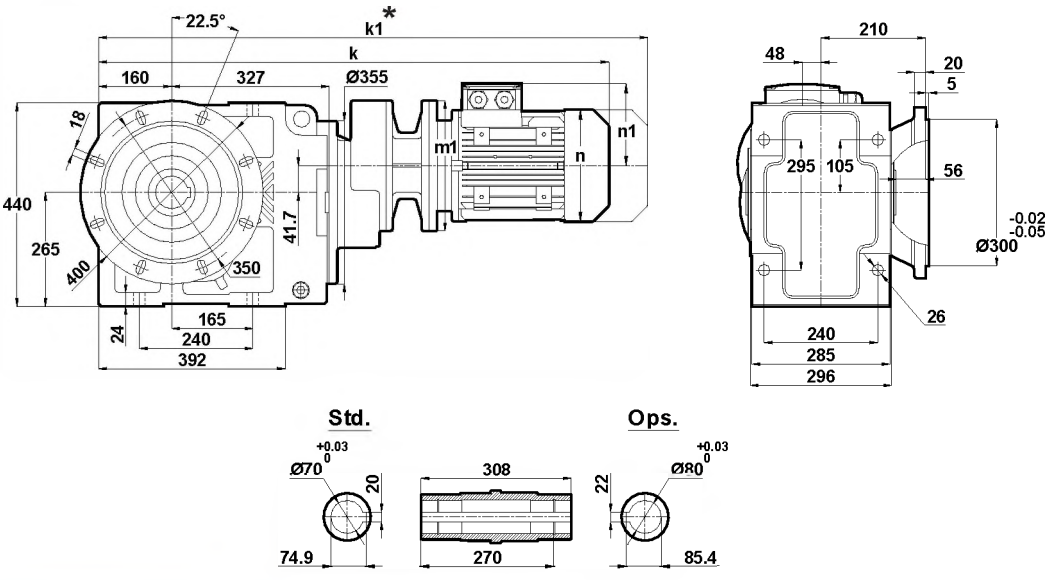
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



80-90-100
Tipo / *Type* / Typ

KV674.03

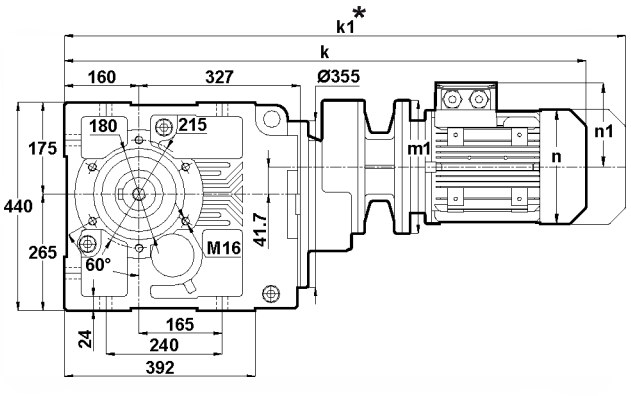


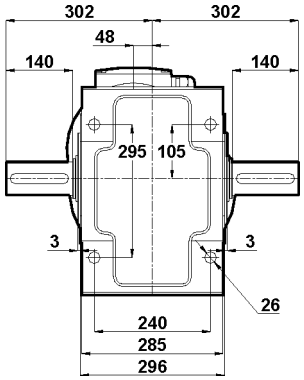
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

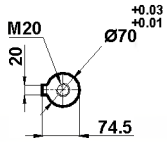
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV674.04

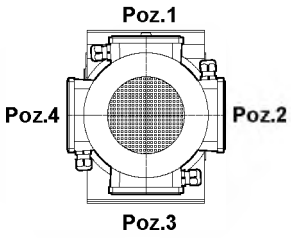






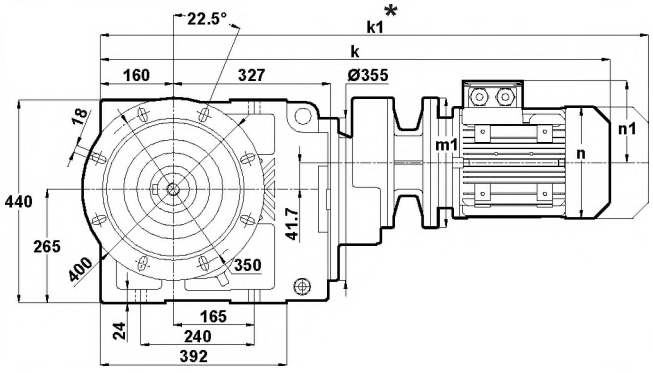
	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

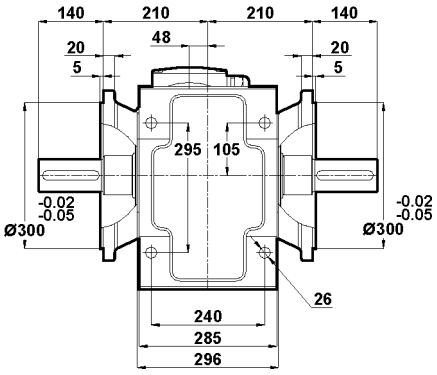
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

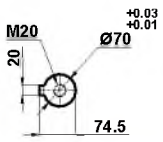


80-90-100
Tipo / *Type* / Typ

KV674.05







	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

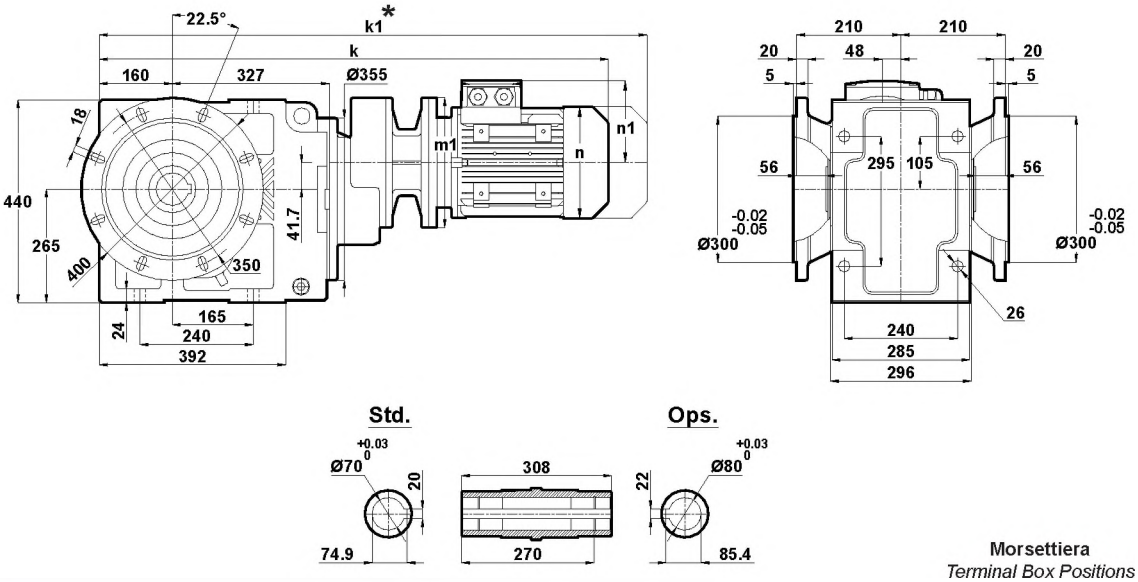
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

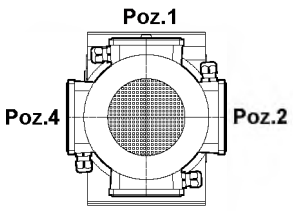
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV674.08



	80/B5	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	880	921	921	975
k1	973	1025.5	1025.5	1094.5
n / n1	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	200	200	200	250
m1 (B14)	-	140	140	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

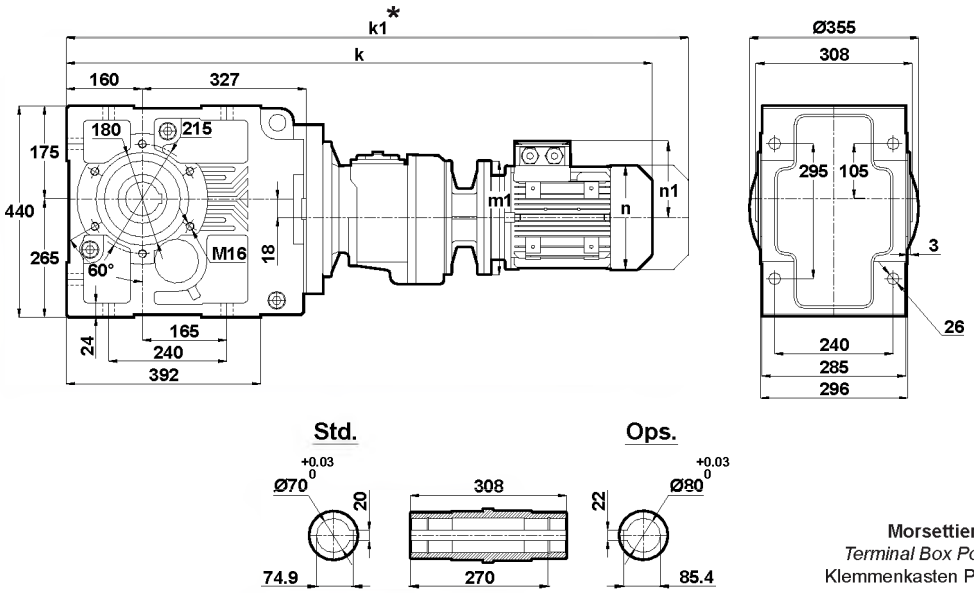


80-90-100
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

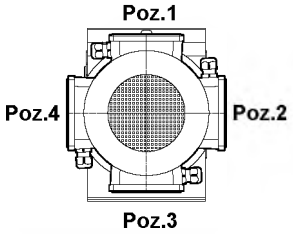
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV675.00
KV676.00



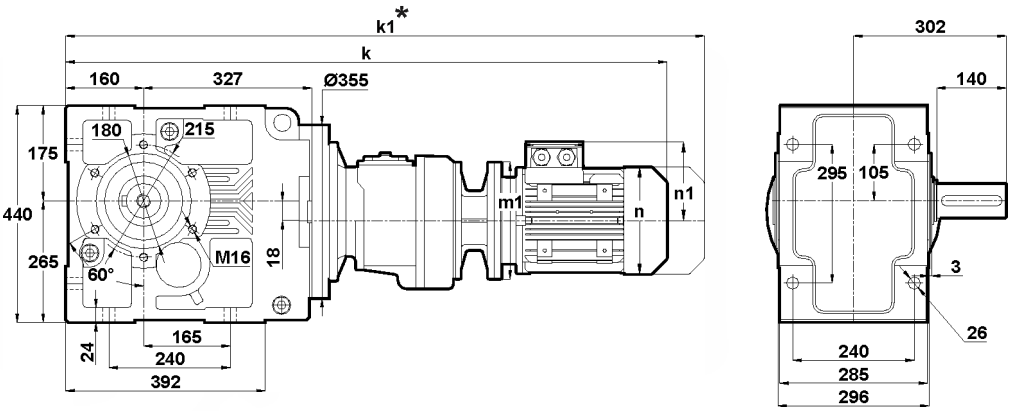
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

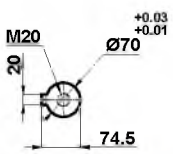
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90
Tipo / *Type* / Typ

KV675.01
KV676.01





	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

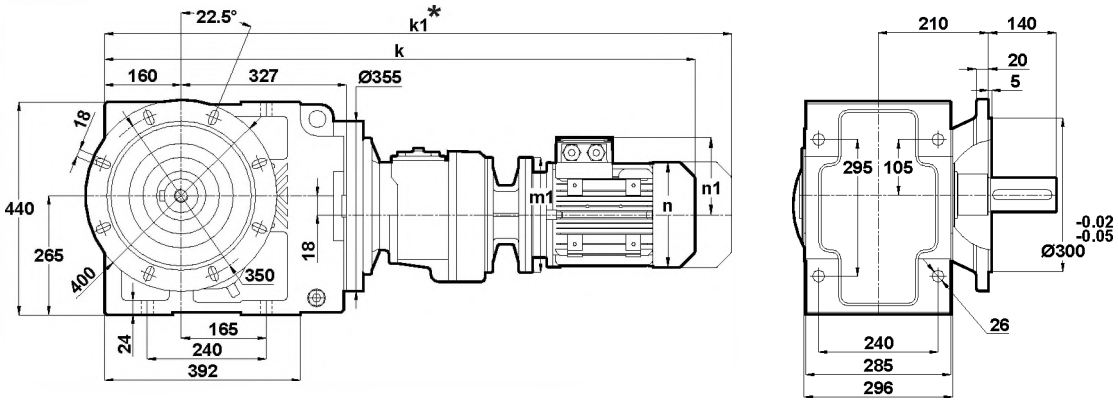
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

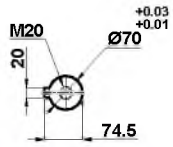


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

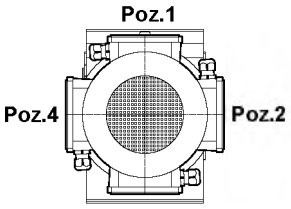
KV675.02
KV676.02





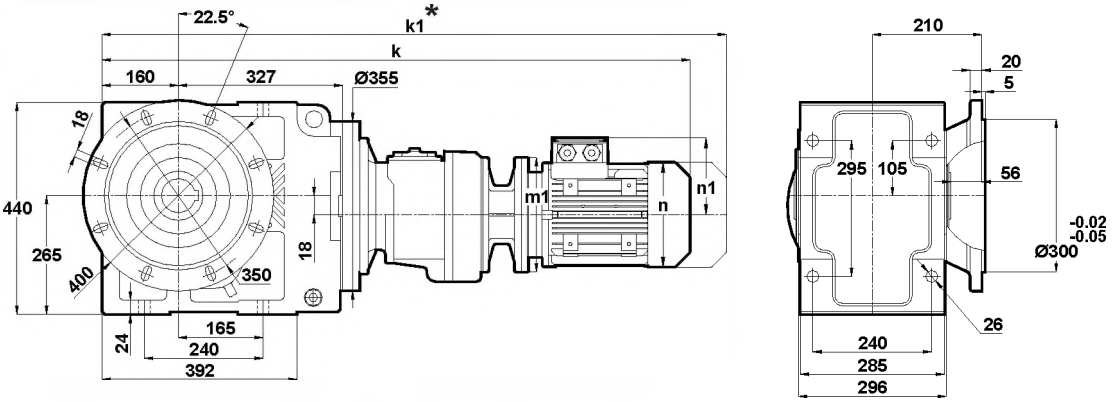
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

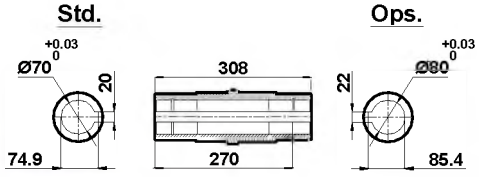
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90
Tipo / *Type* / Typ

KV675.03
KV676.03



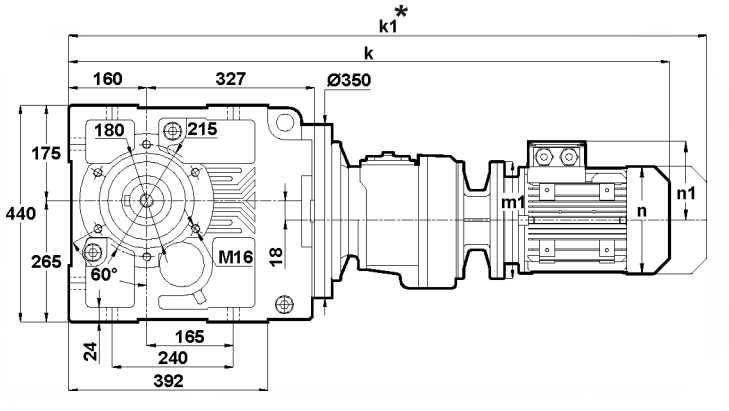


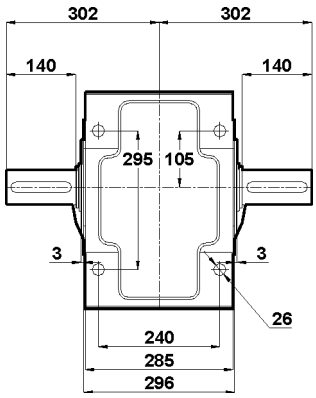
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

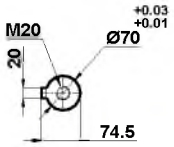
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV675.04
KV676.04

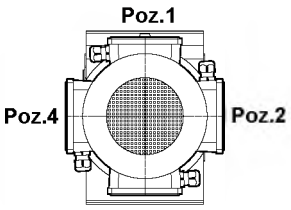






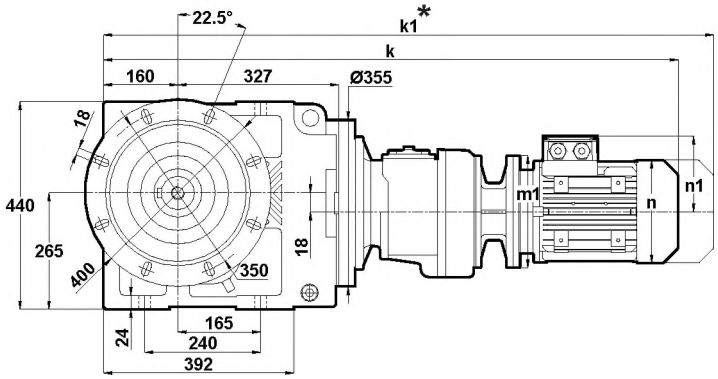
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

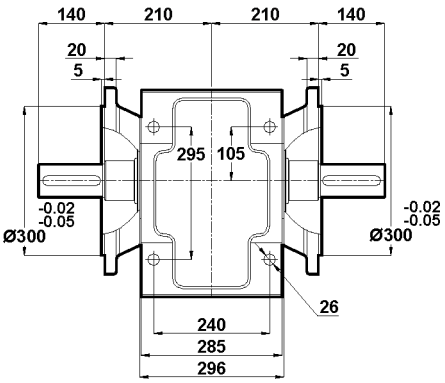
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

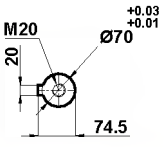


71-80-90
Tipo / *Type* / Typ

KV675.05
KV676.05







	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

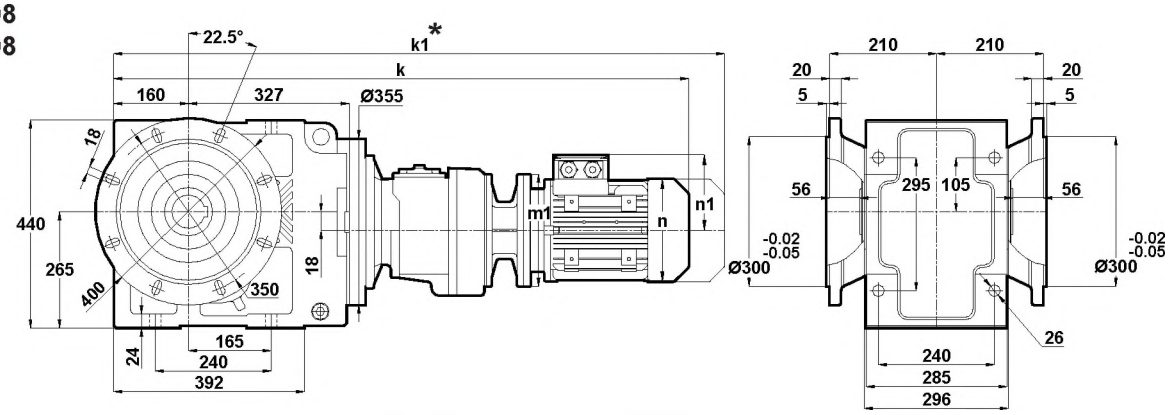
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

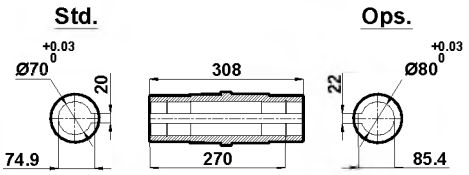


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

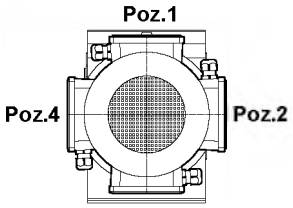
KV675.08
KV676.08





	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14
k	1008	1031	1072	1072
k1	1099	1124	1176.5	1176.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132
m1 (B5)	160	200	200	200
m1 (B14)	-	120	140	140

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

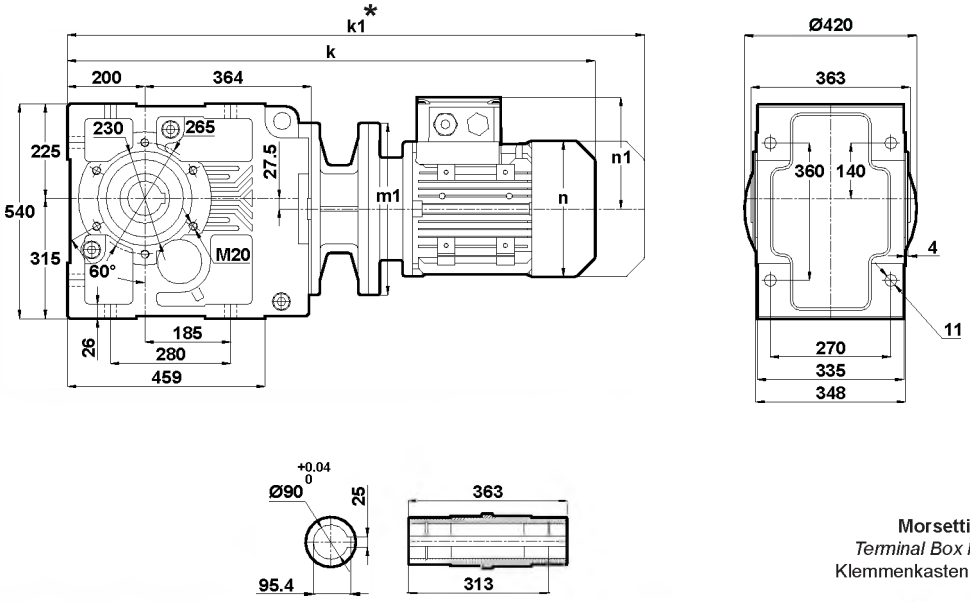


71-80-90
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

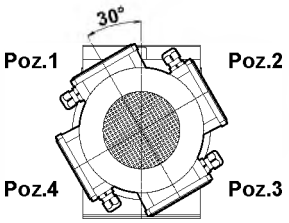
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV773.00



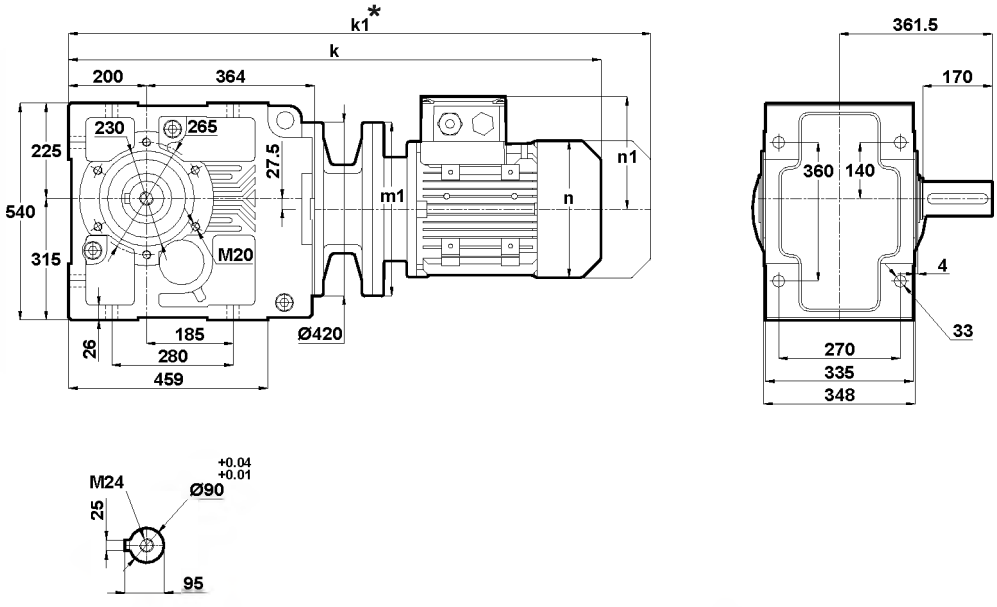
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



132-160-180-200-225-250
Tipo / *Type* / Typ

KV773.01



	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

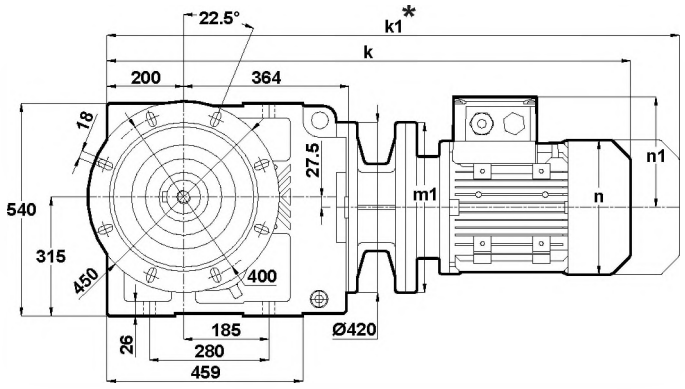
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

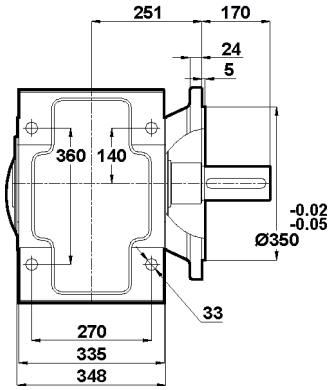


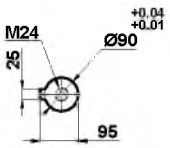
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV773.02

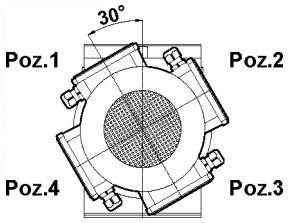






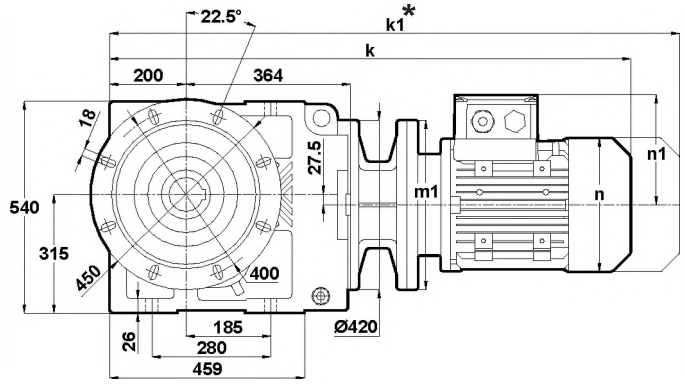
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

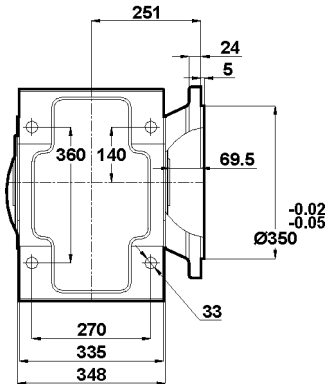
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

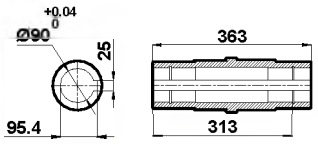


132-160-180-200-225-250
Tipo / *Type* / Typ

KV773.03







	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

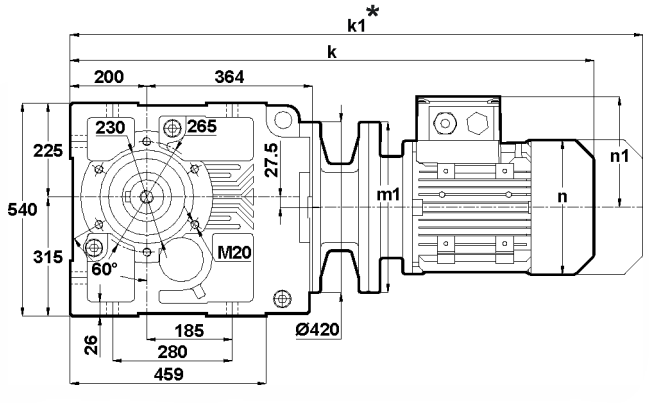
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

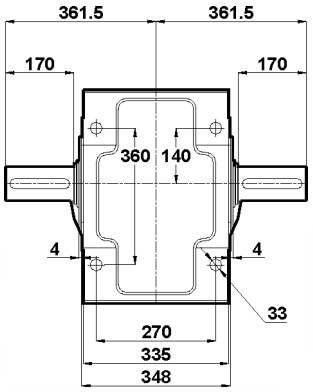


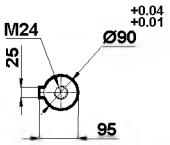
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV773.04

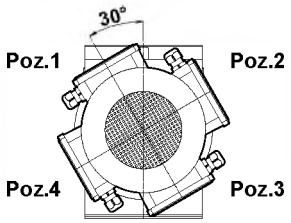






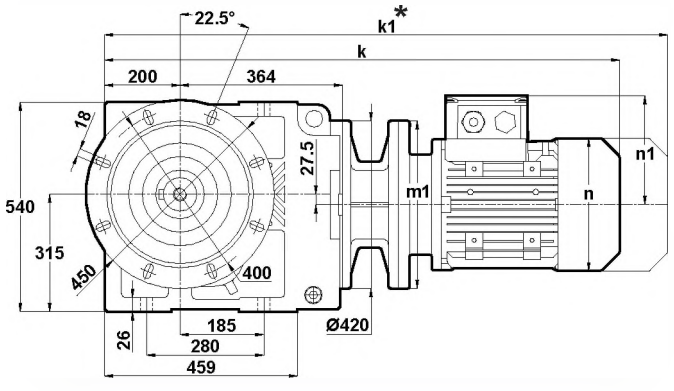
	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

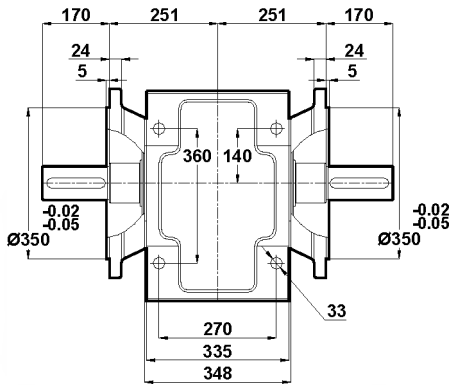
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

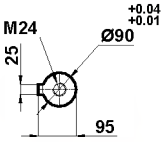


132-160-180-200-225-250
Tipo / *Type* / Typ

KV773.05







	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

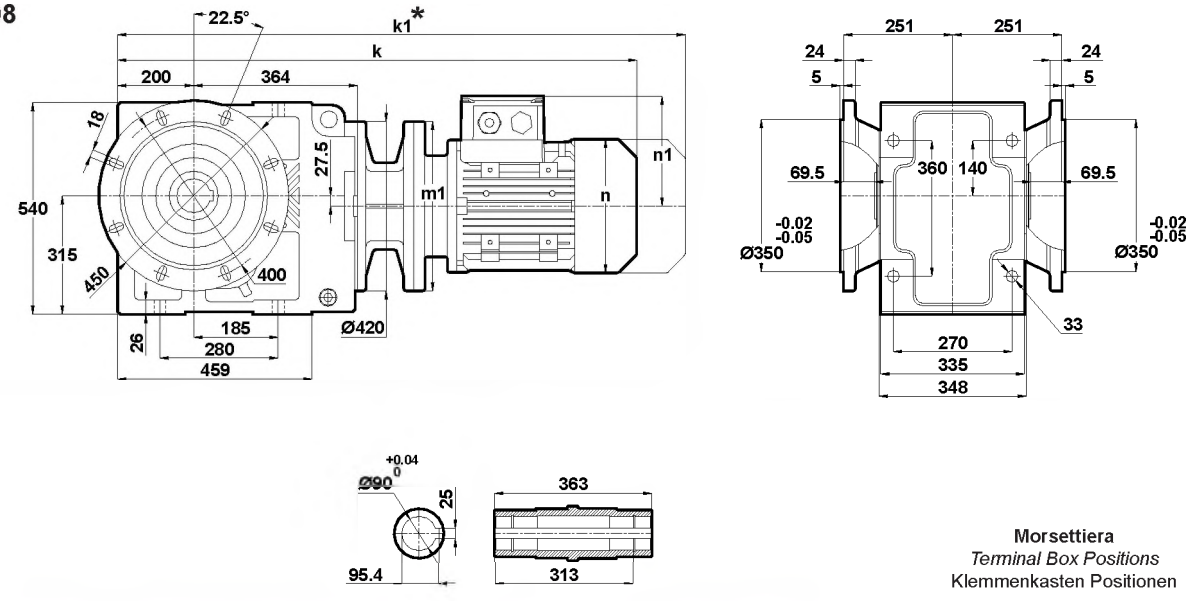
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

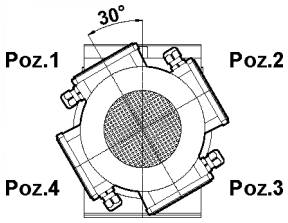
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV773.08



	132S/B5	132M/B5	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5
k	1063	1063	1212	1212	1301	1301	1376	1447	1472	1548
k1	1193	1193	1392	1392	1471.5	1471.5	1562.5	1612	1637	1718.5
n / n1	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322
m1 (B5)	300	300	350	350	350	350	400	450	450	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

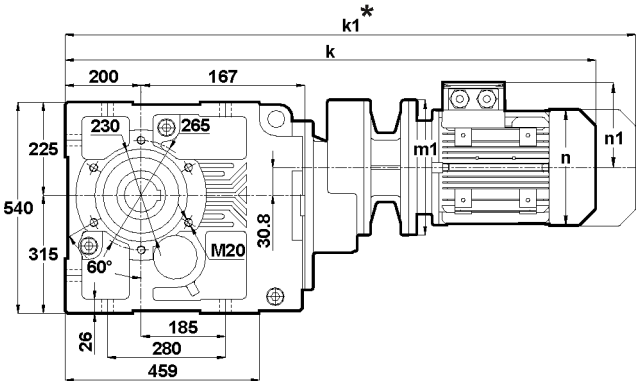


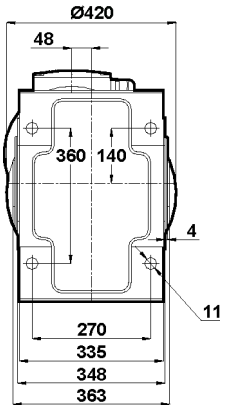
132-160-180-200-225-250
Tipo / *Type* / Typ

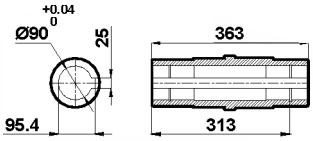
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV774.00

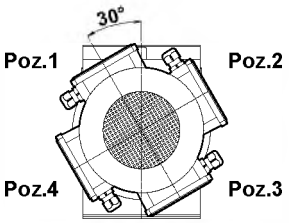






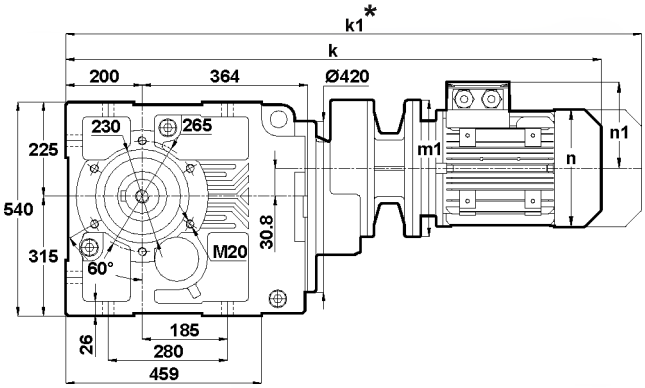
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

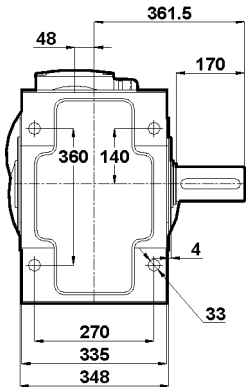
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

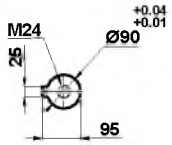


90-100-112-132
Tipo / *Type* / Typ

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	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

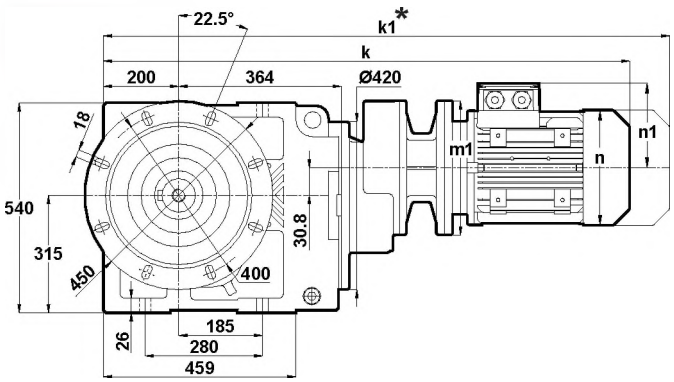
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

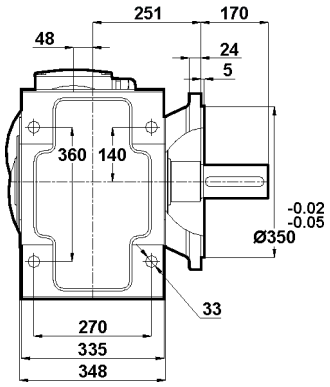


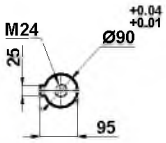
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV774.02

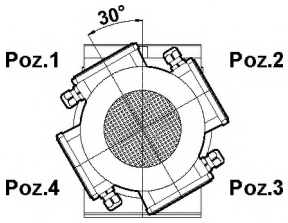






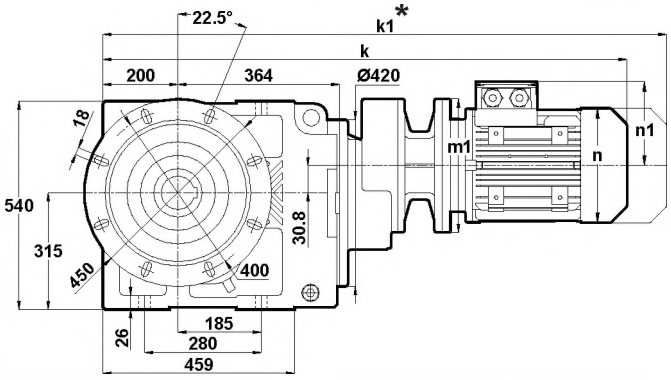
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

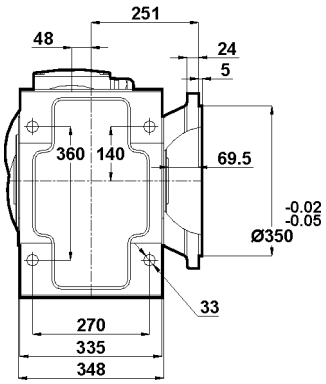
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

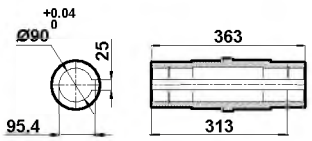


90-100-112-132
Tipo / *Type* / Typ

KV774.03





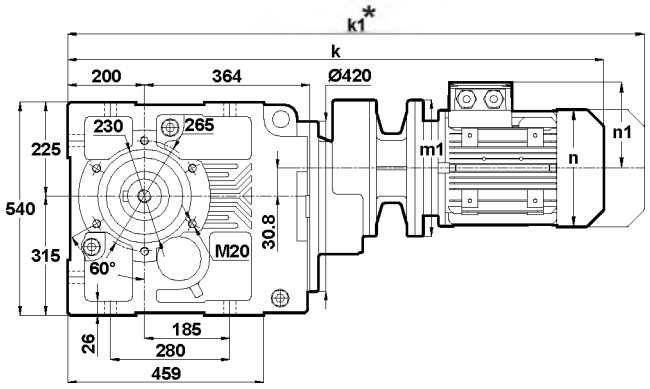


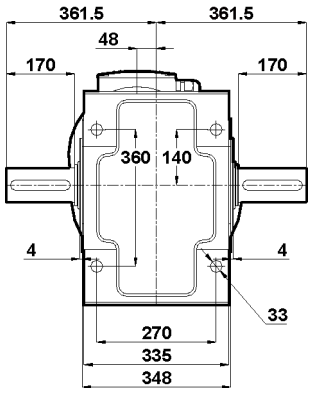
	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

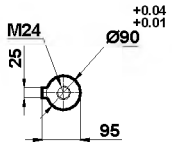
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

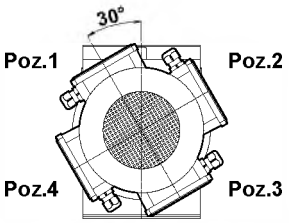
KV774.04







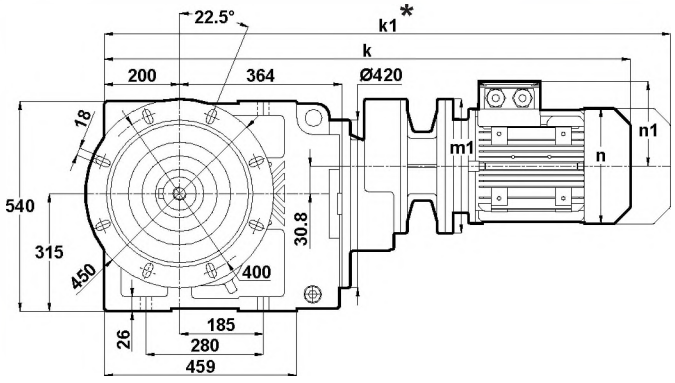
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

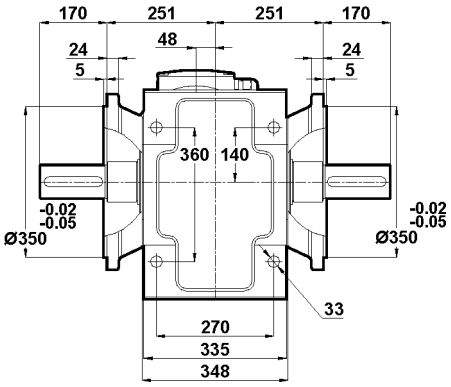


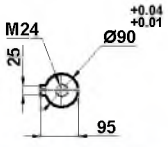
90-100-112-132
Tipo / *Type* / Typ

	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	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

KV774.05







	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	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

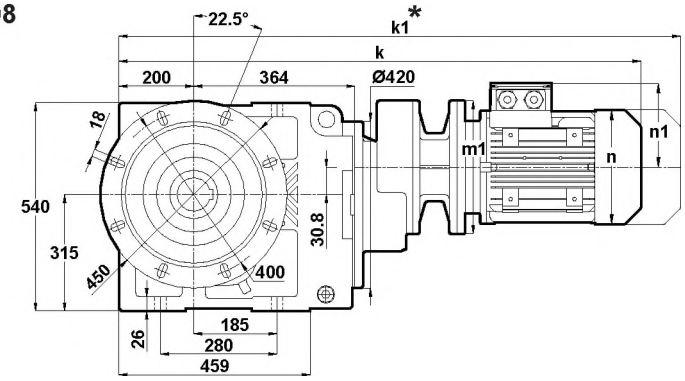
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

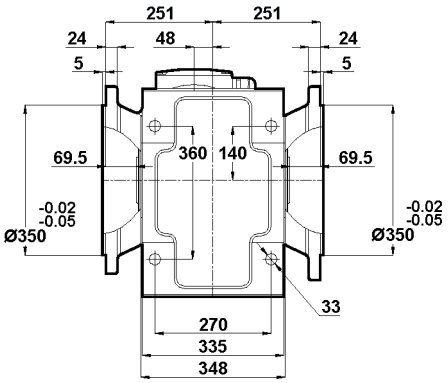


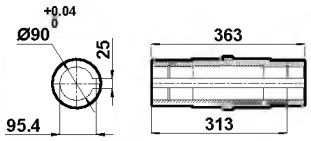
Tabelle dimensionali
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV774.08

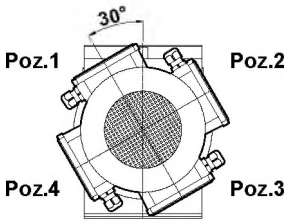






	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14	132S/B5 132S/B14	132M/B5 132M/B14
k	998	998	1052	1072	1175	1175
k1	1102.5	1102.5	1171.5	1176.5	1305	1305
n / n1	176 / 132	176 / 132	193 / 147	215 / 158	257 / 179	257 / 179
m1 (B5)	200	200	250	250	300	300
m1 (B14)	140	140	160	160	200	200

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

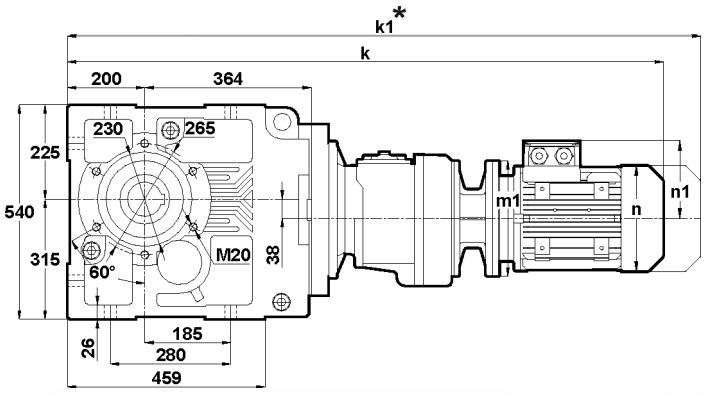


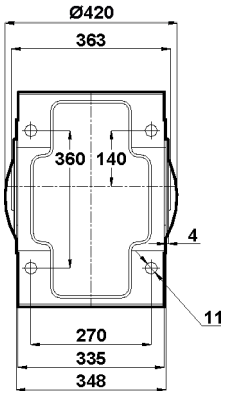
90-100-112-132
Tipo / *Type* / Typ

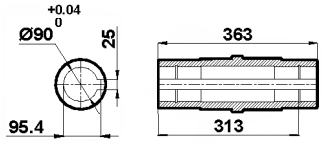
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

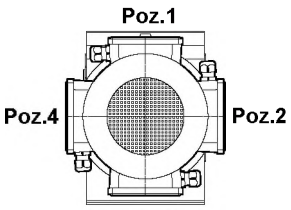
KV775.00
KV776.00







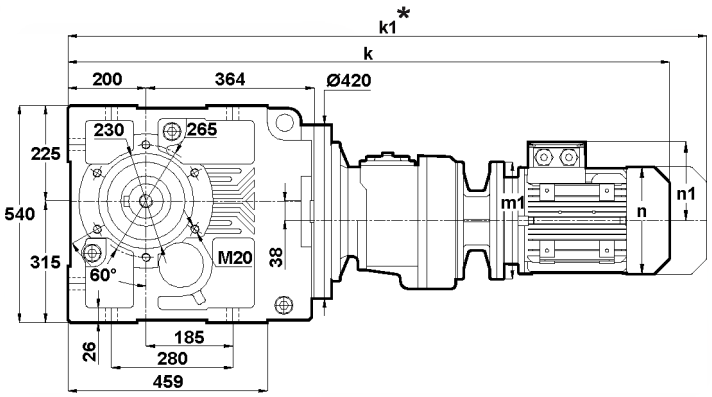
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

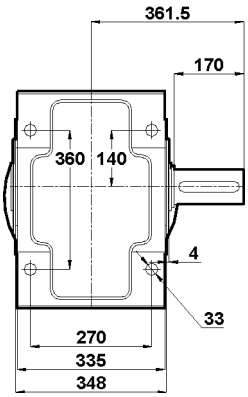


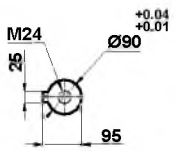
71-80-90-100
Tipo / *Type* / Typ

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

KV775.01
KV776.01







	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

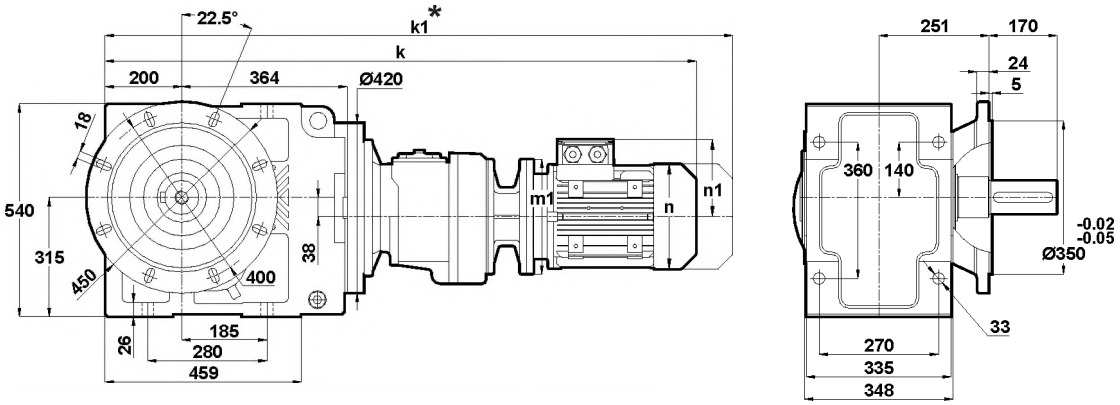
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

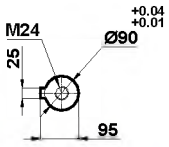


Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

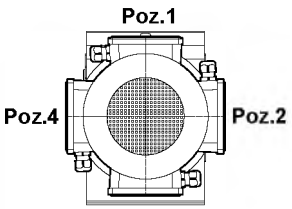
KV775.02
KV776.02





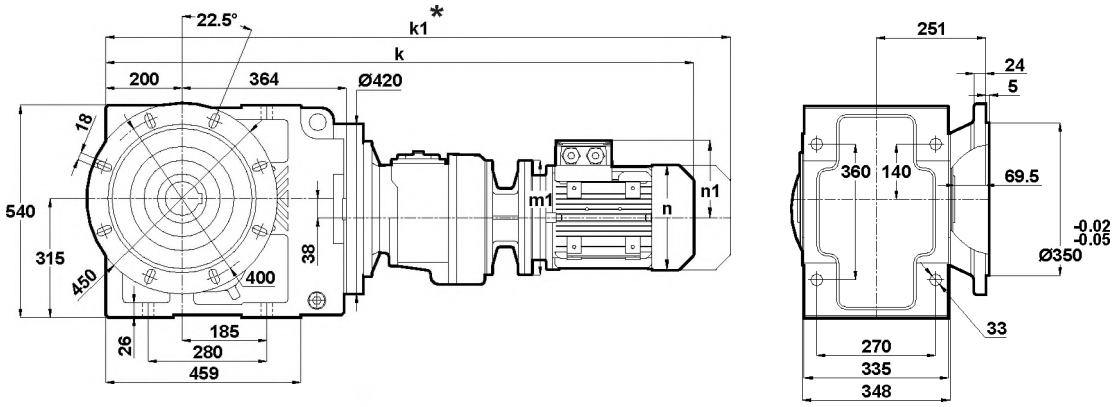
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

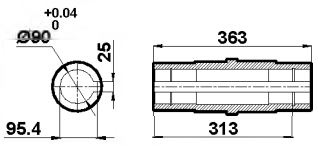
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90-100
Tipo / *Type* / Typ

KV775.03
KV776.03



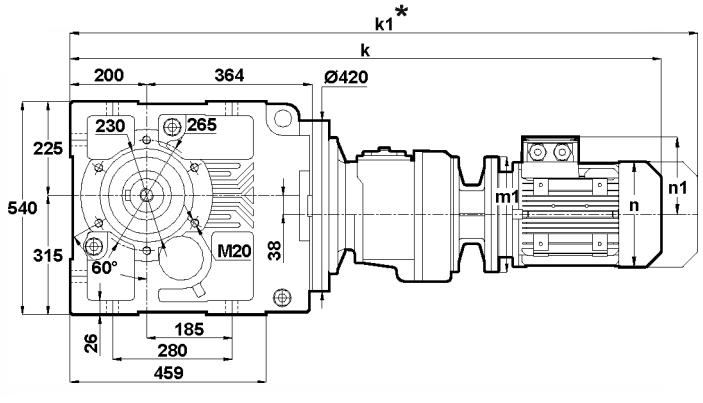


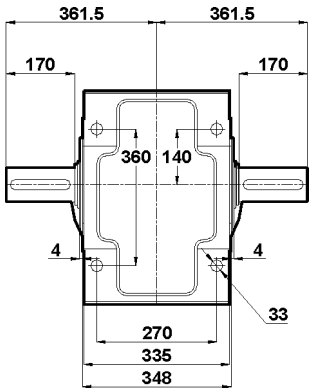
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

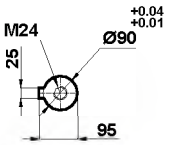
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

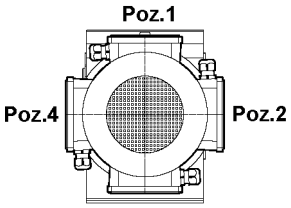
KV775.04
KV776.04







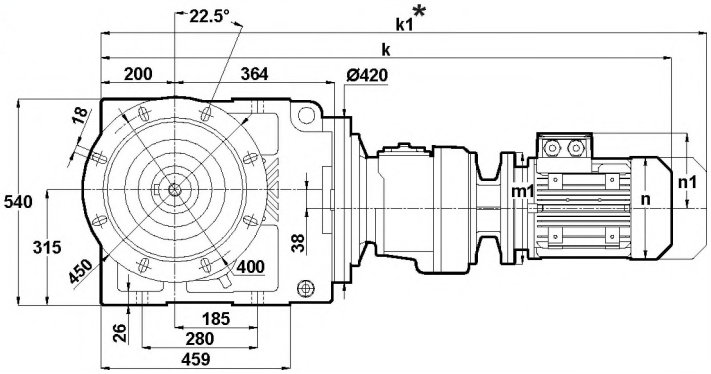
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

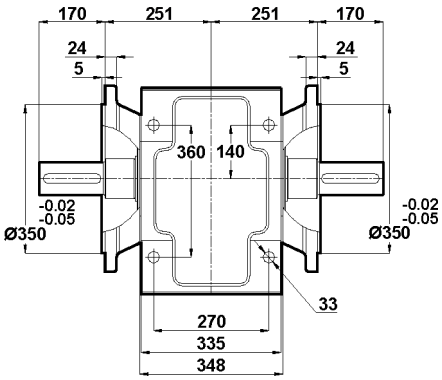


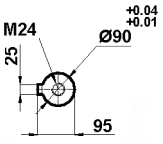
71-80-90-100
Tipo / *Type* / Typ

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

KV775.05
KV776.05







	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

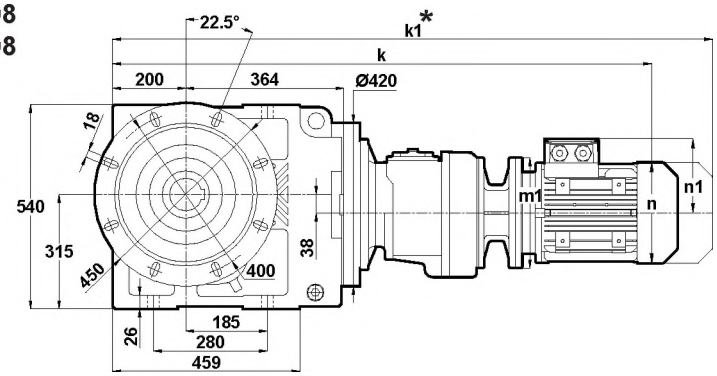
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

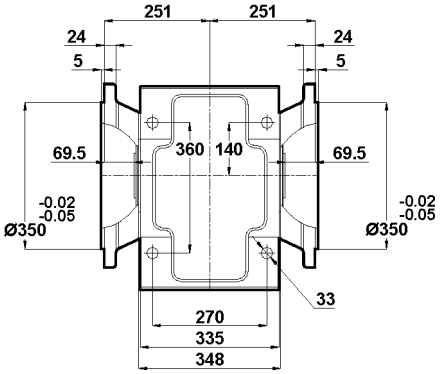


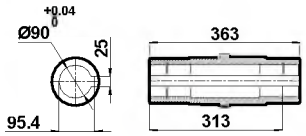
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV775.08
KV776.08

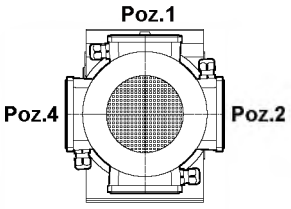






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14
k	1085	1108	1149	1149	1201
k1	1176	1201	1253.5	1253.5	1320.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147
m1 (B5)	160	200	200	200	250
m1 (B14)	-	120	140	140	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90-100
Tipo / *Type* / Typ

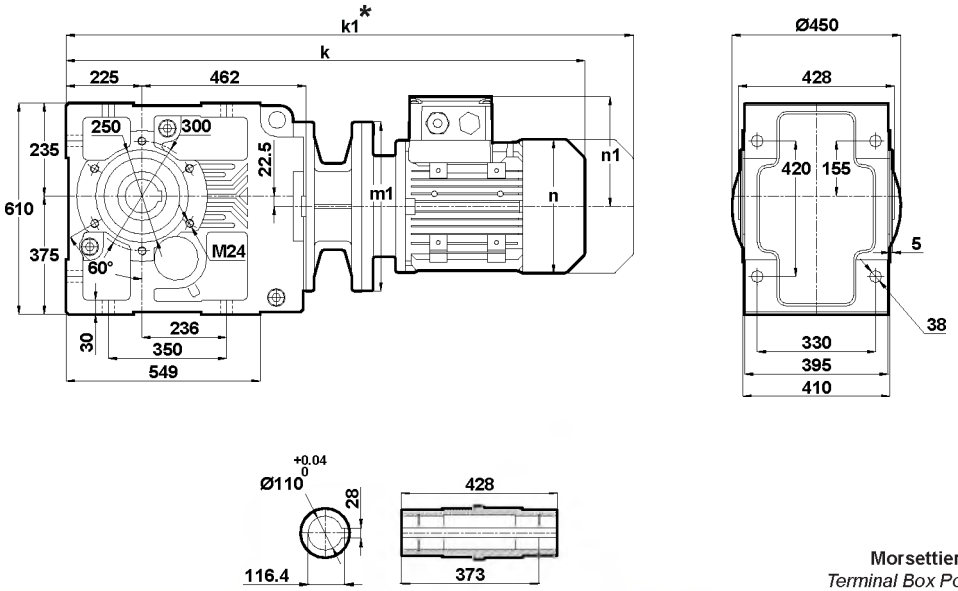
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

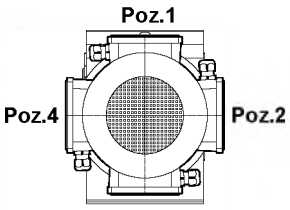
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV873.00



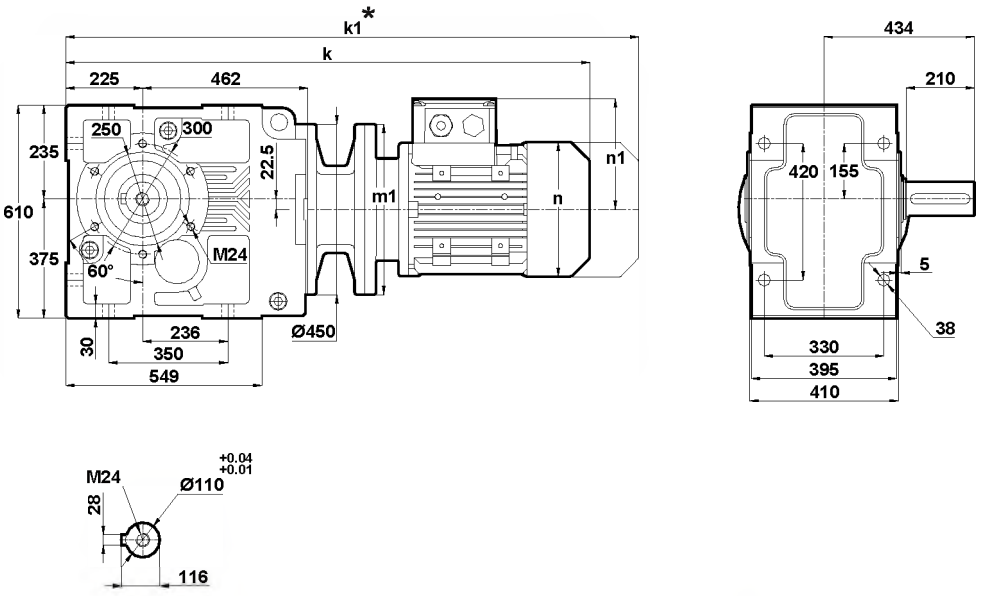
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



160-180-200-225-250-280
Tipo / *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	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

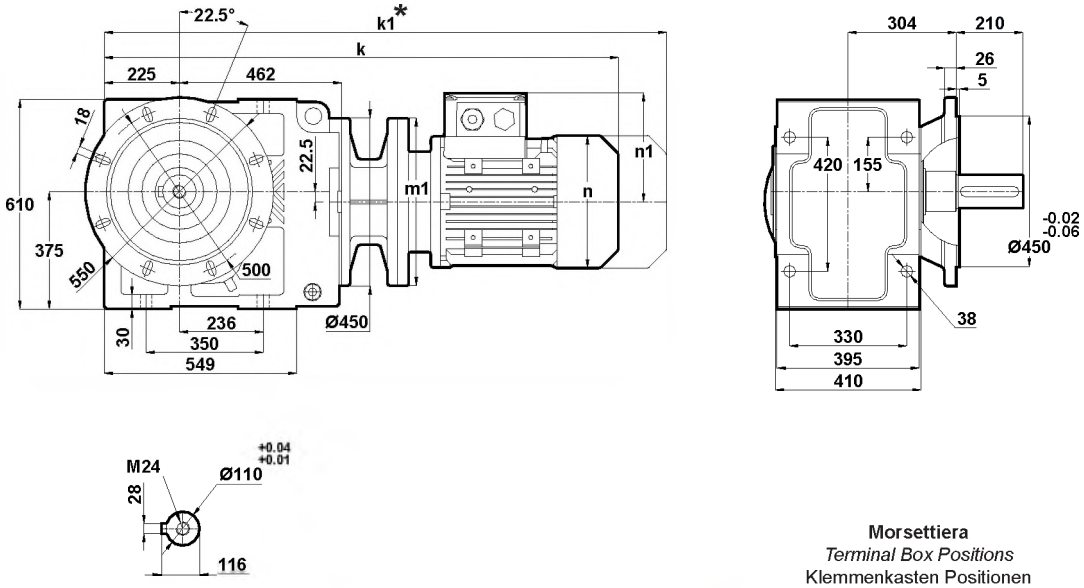
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

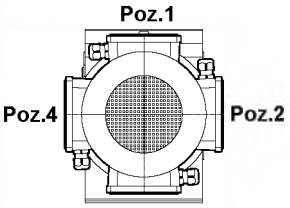
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV873.02



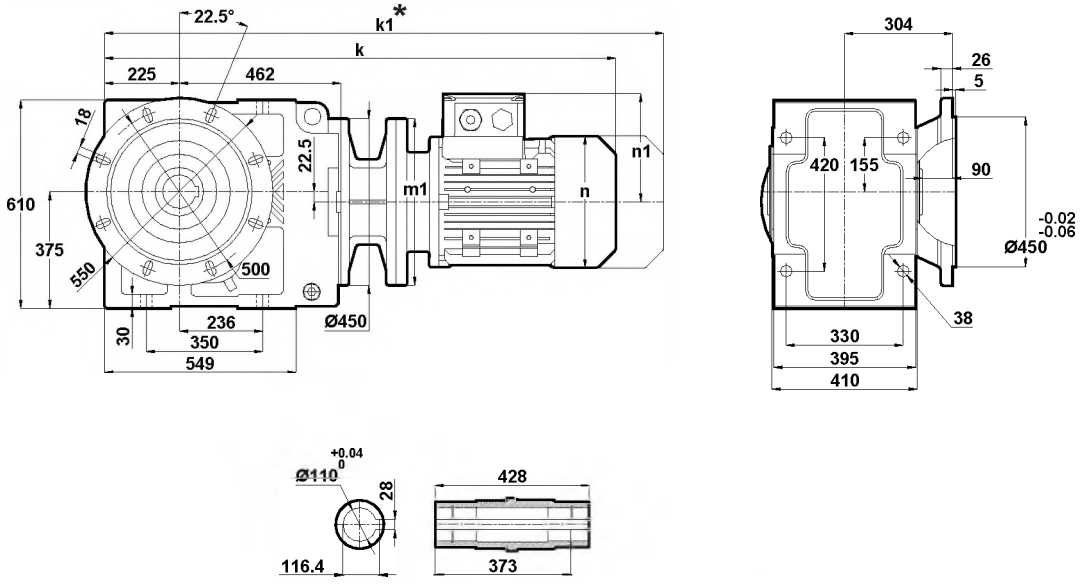
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-



160-180-200-225-250-280
Tipo / *Type* / Typ

KV873.03

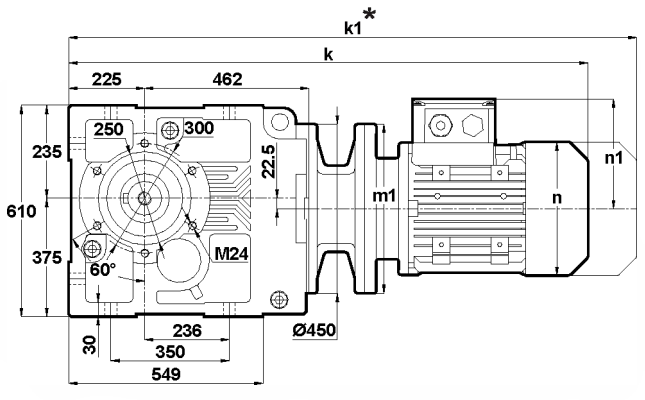


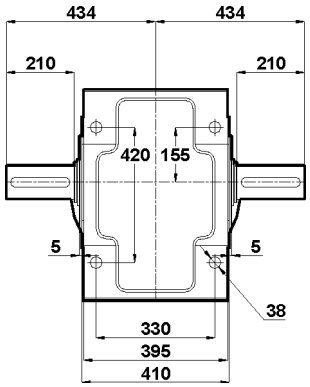
	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

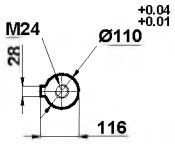
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

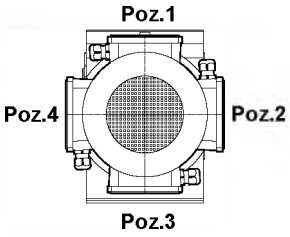
KV873.04







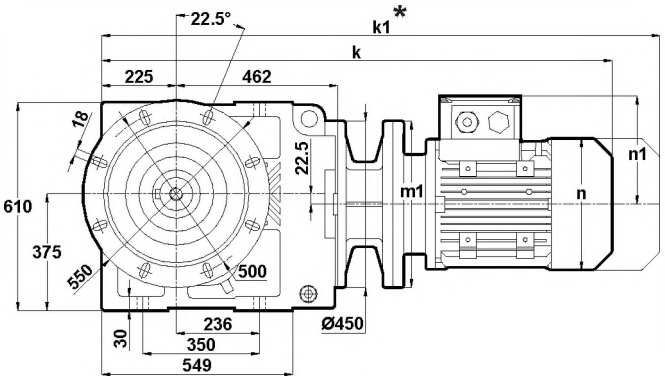
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

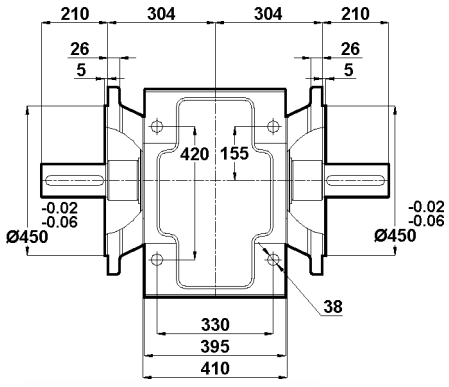


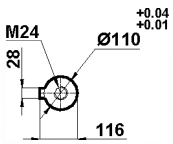
160-180-200-225-250-280
Tipo / *Type* / Typ

	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

KV873.05







	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

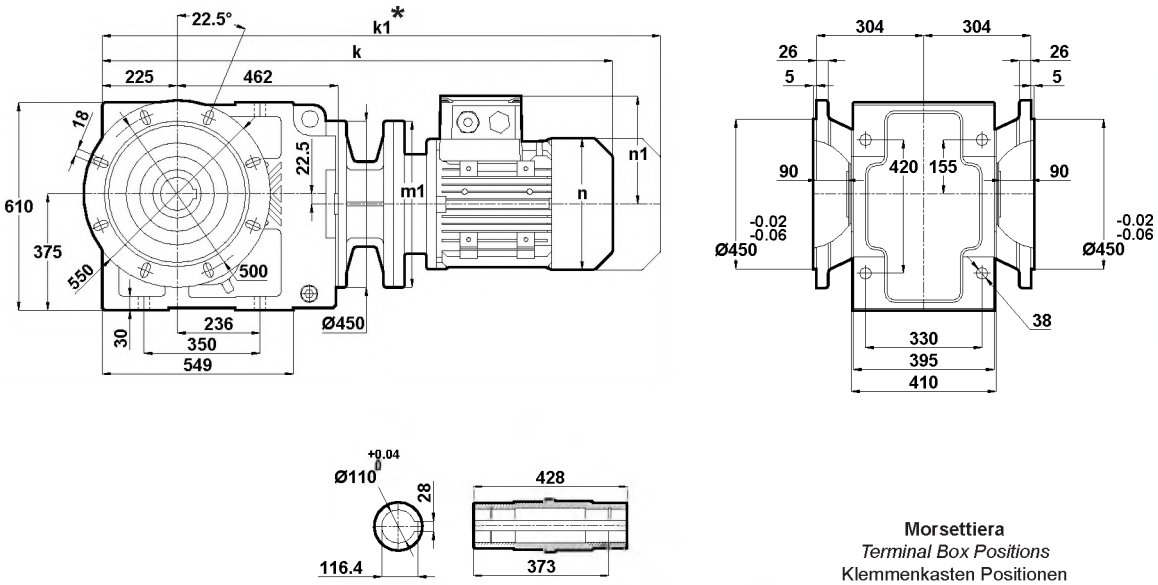
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

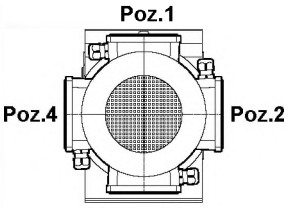
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV873.08



Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

	160M/B5	160L/B5	180M/B5	180L/B5	200L/B5	225S/B5	225M/B5	250M/B5	280S/B5	280M/B5
k	1400	1400	1489	1489	1542	1560	1585	1661	1723	1723
k1	1570	1570	1659.5	1659.5	1728.5	1725	1750	1831.5	1896	1902
n / n1	315 / 219	315 / 219	347 / 234	347 / 234	390 / 275	434 / 285	434 / 285	480 / 322	544 / 350	544 / 350
m1 (B5)	350	350	350	350	400	450	450	550	550	550
m1 (B14)	-	-	-	-	-	-	-	-	-	-

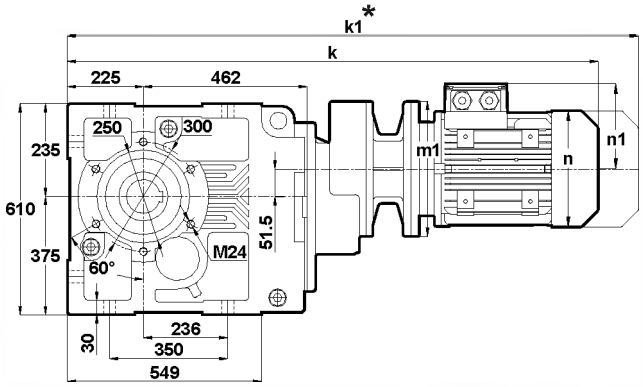


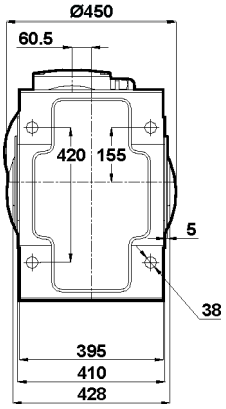
160-180-200-225-250-280
Tipo / *Type* / Typ

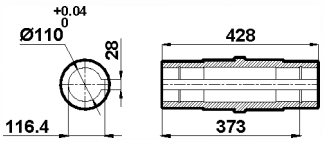
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV874.00

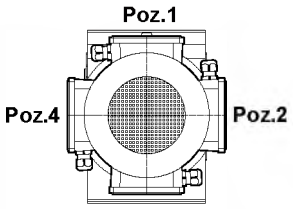






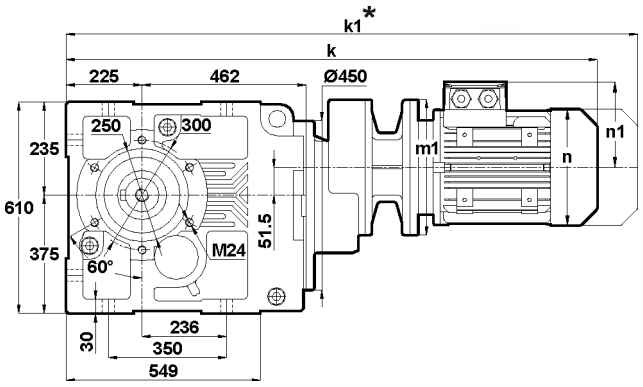
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

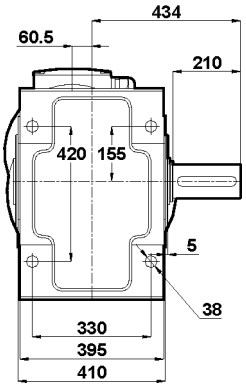
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

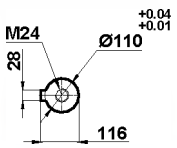


100-112-132-160-180
Tipo / *Type* / Typ

KV874.01







	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

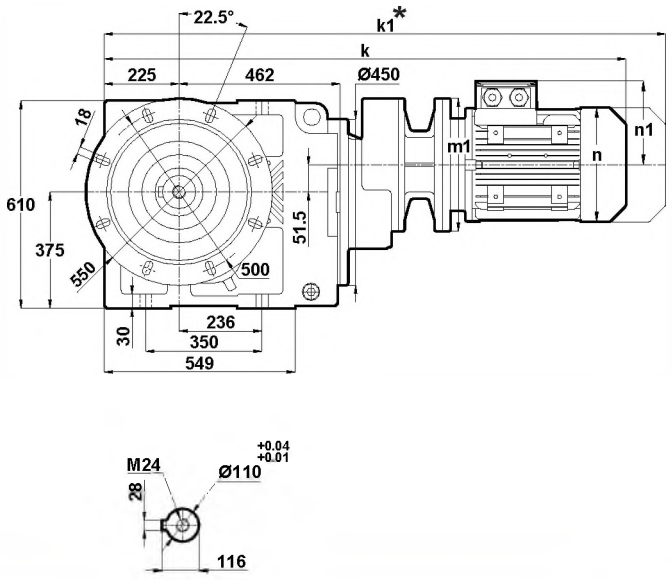
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.



Tabelle dimensionali
Dimension Pages
Abmessungsseiten

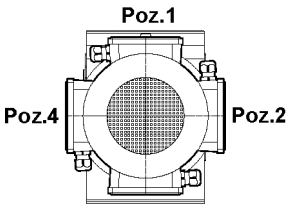
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV874.02



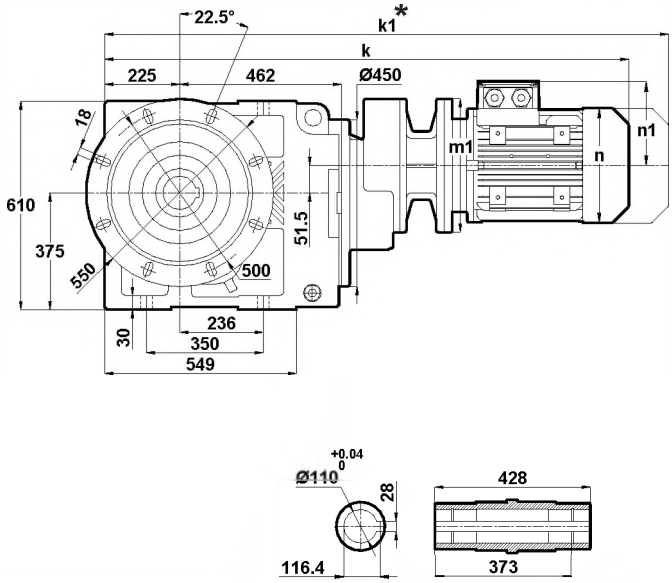
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



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

KV874.03

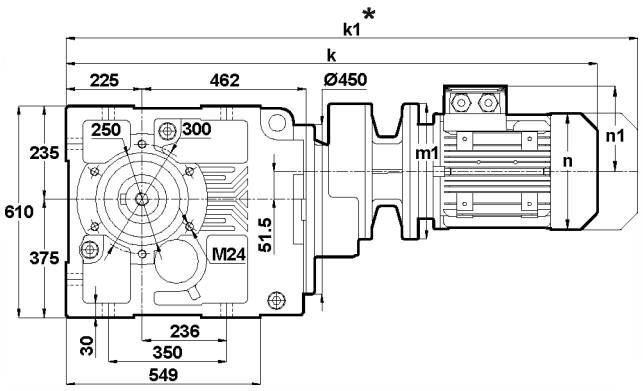


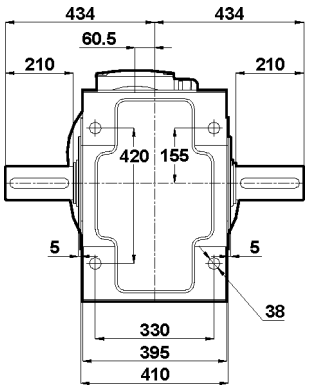
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

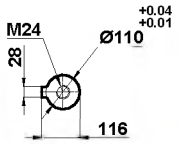
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV874.04

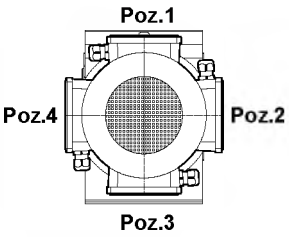






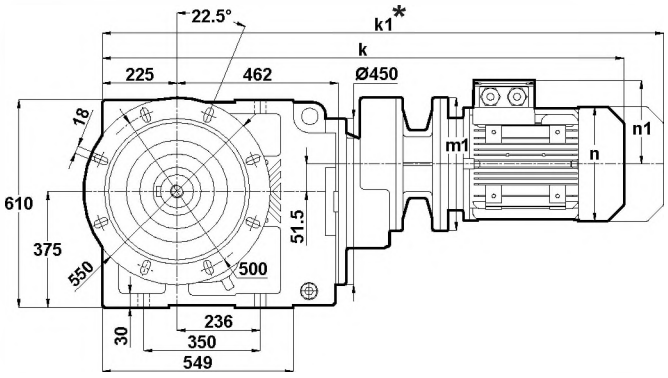
	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

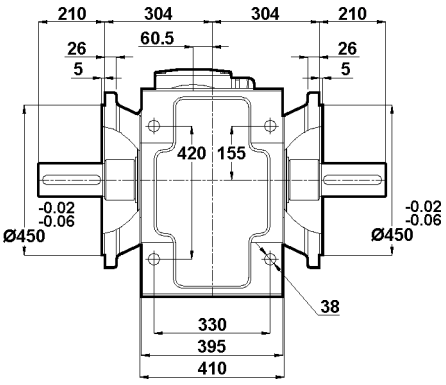
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

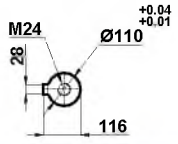


100-112-132-160-180
Tipo / *Type* / Typ

KV874.05







	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

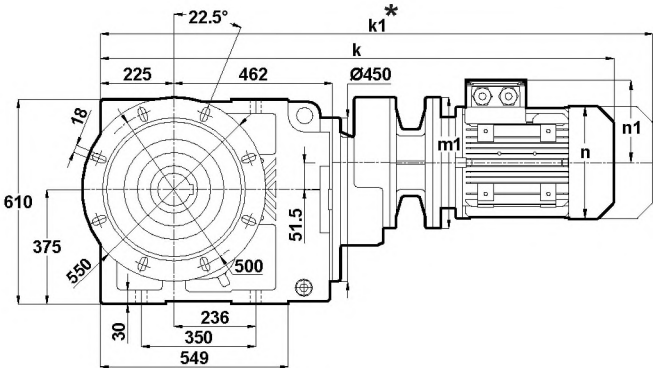
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

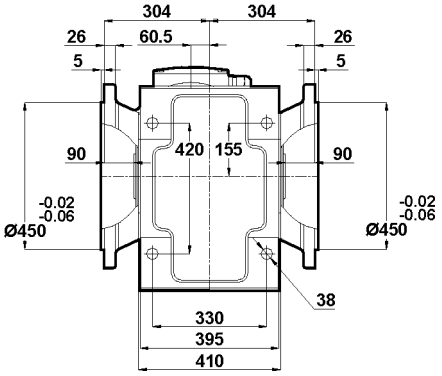


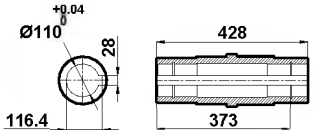
Tabelle dimensionali
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Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV874.08

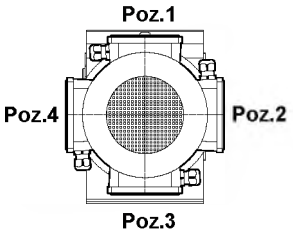






	100L/B5	112M/B5	132S/B5 132S/B14	132M/B5 132M/B14	160M/B5	160L/B5	180M/B5
k	1188	1209	1314	1314	1469	1469	1558
k1	1307.5	1313.5	1444	1444	1649	1649	1728.5
n / n1	193 / 147	215 / 158	257 / 179	257 / 179	315 / 219	315 / 219	347 / 234
m1 (B5)	250	250	300	300	350	350	350
m1 (B14)	-	-	200	200	-	-	-

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

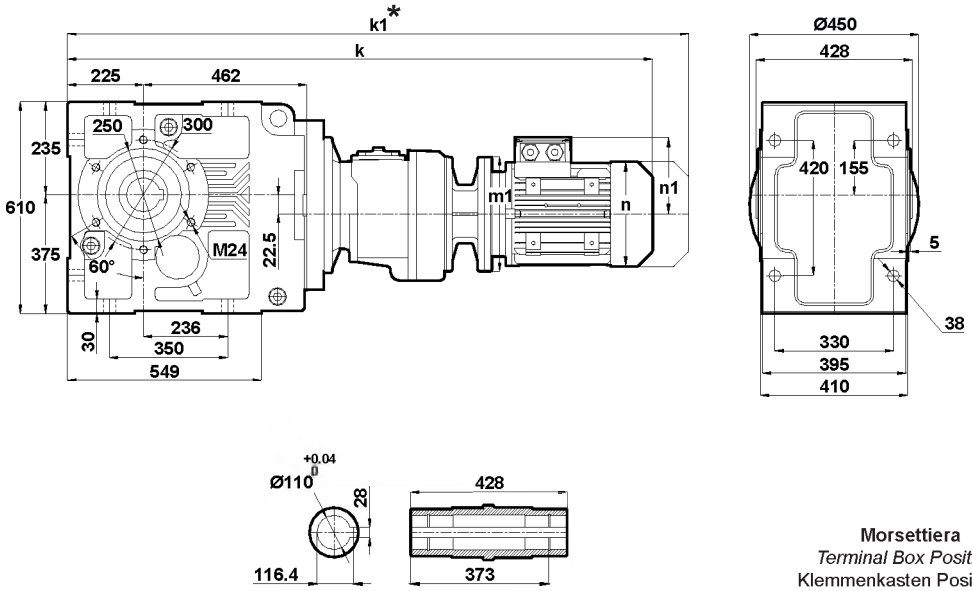


100-112-132-160-180
Tipo / *Type* / Typ

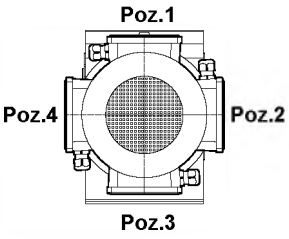
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV875.00
KV876.00



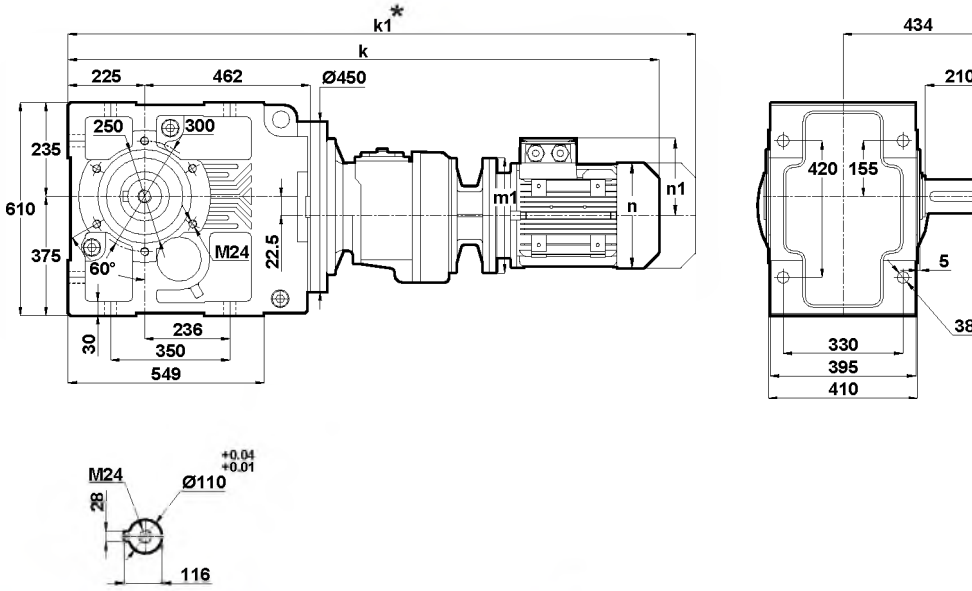
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen



71-80-90-100-112
Tipo / *Type* / Typ

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

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	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

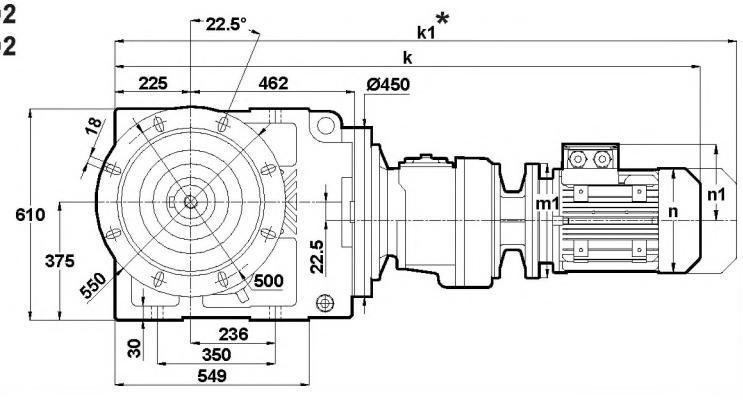
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

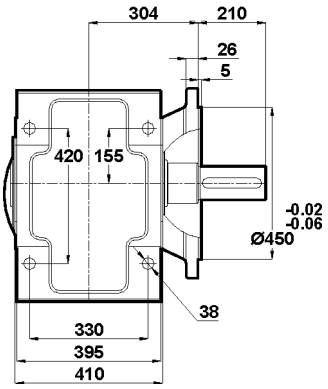


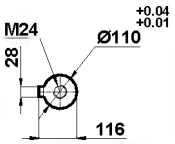
Tabelle dimensionali
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Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

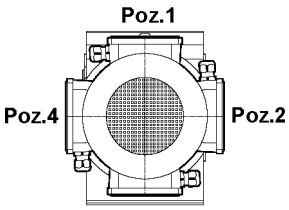
KV875.02
KV876.02







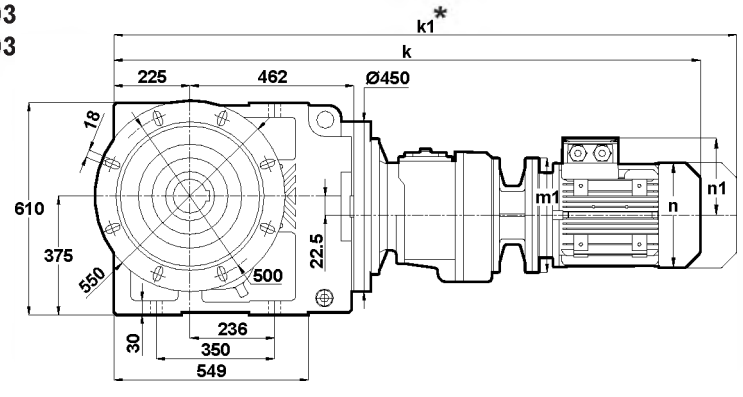
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

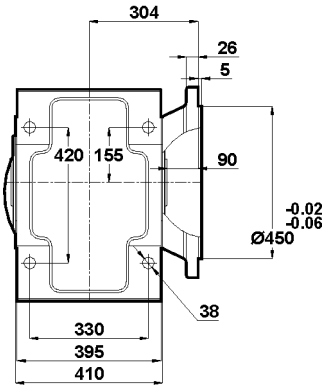


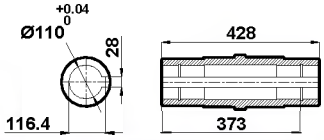
71-80-90-100-112
Tipo / *Type* / Typ

	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

KV875.03
KV876.03





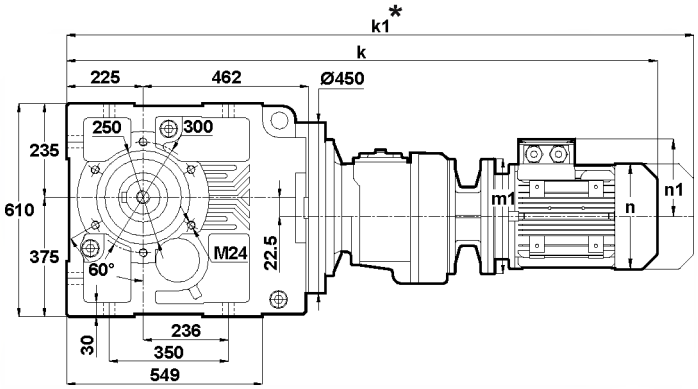


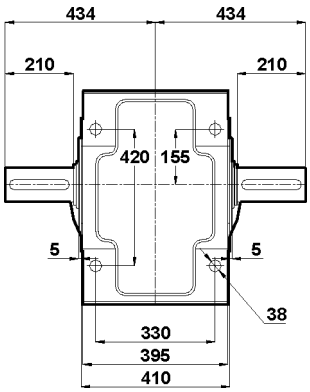
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

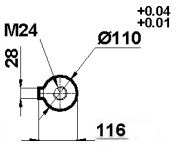
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV875.04
KV876.04

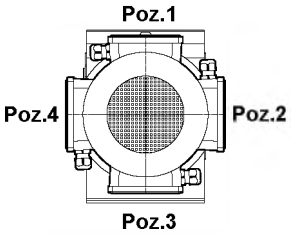






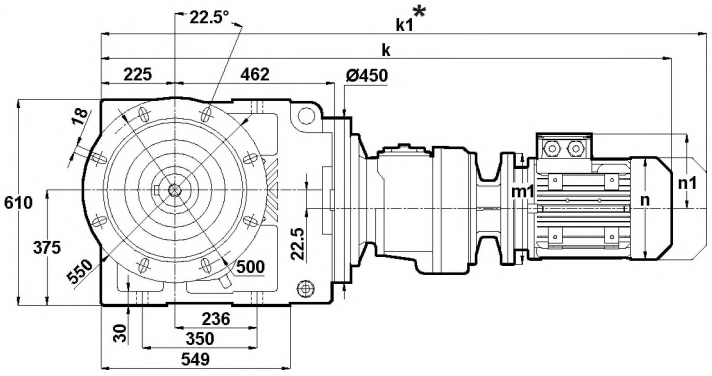
	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

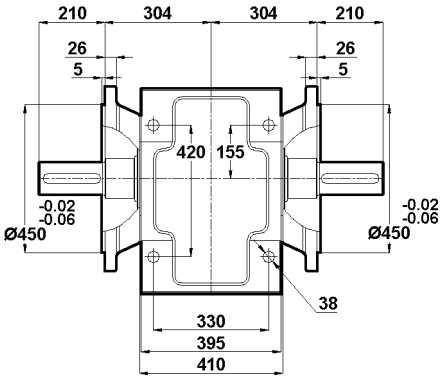
Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

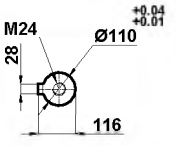


71-80-90-100-112
Tipo / *Type* / Typ

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	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

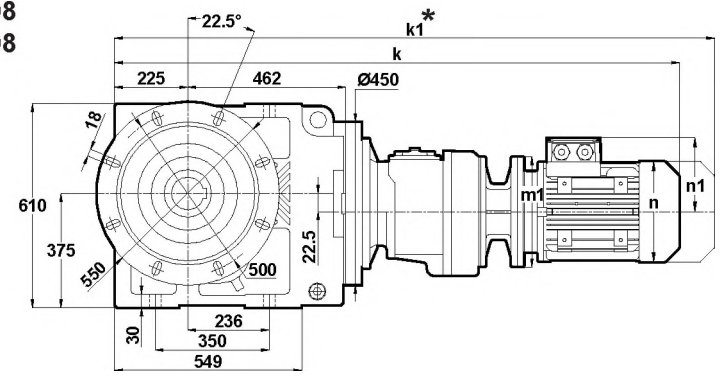
La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

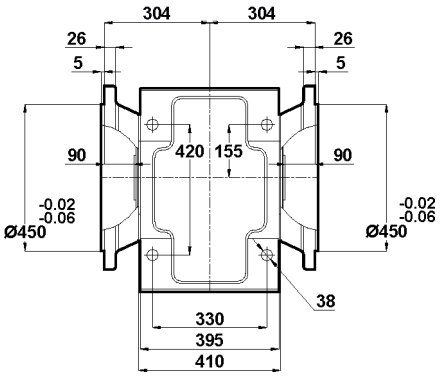


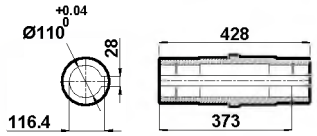
Tabelle dimensionali
Dimension Pages
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KV875.08
KV876.08

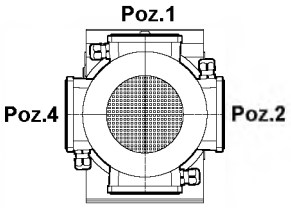






	71/B5	80/B5 80/B14	90S/B5 90S/B14	90L/B5 90L/B14	100L/B5 100L/B14	112M/B5 112M/B14
k	1208	1231	1272	1272	1324	1345
k1	1299	1324	1376.5	1376.5	1443.5	1449.5
n / n1	137 / 112	155 / 121	176 / 132	176 / 132	193 / 147	215 / 158
m1 (B5)	160	200	200	200	250	250
m1 (B14)	-	120	140	140	160	160

Morsettiera
Terminal Box Positions
Klemmenkasten Positionen

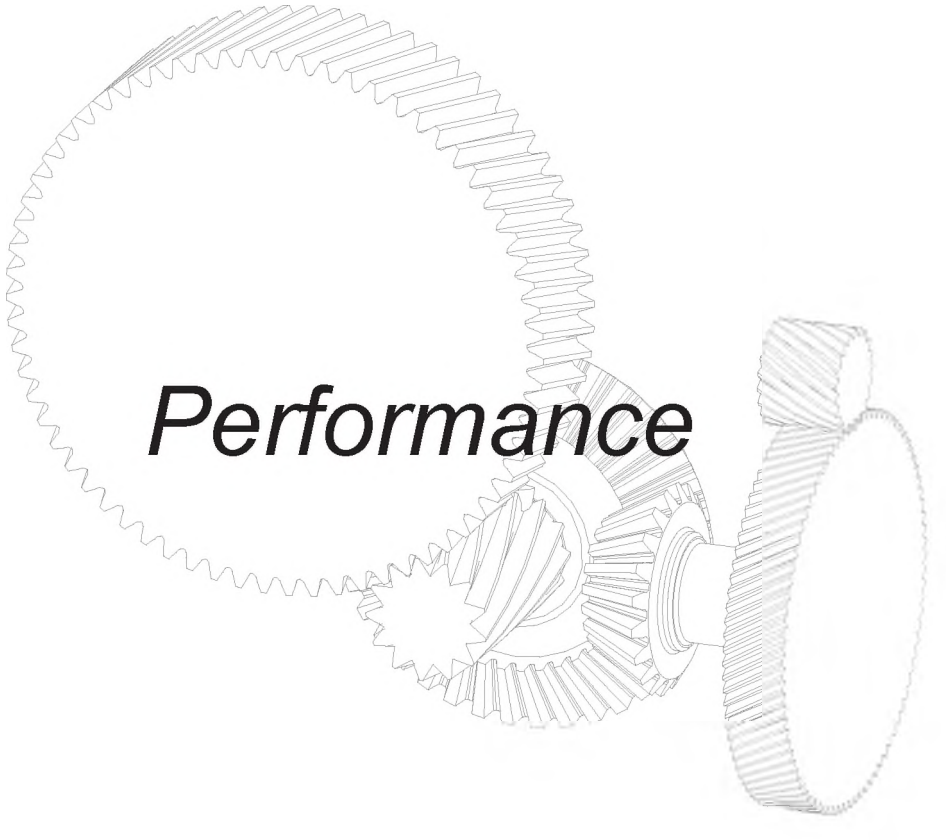


71-80-90-100-112
Tipo / *Type* / Typ

La misura "k1" è per motori dotati di freno.
Dimension "k1" is for motors with brake.
Maße "k1" ist für Bremsenmotoren.

Note / *Notes* / Note

Prestazioni



Performance

Leistung und Drehzahlübersicht



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *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	374
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	374
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	378
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	378
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	382
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		



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *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	382
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**	0,70	**5,1**	1,1	0,42	0,33	0,58	10742	-	25	386
230	8,28	175		0,59	**4,5**	0,90	0,35	0,28	0,49	11343	-		
240	9,92	146		0,49	**3,9**	0,75	0,29	0,26	0,41	12003	35		
250	12,00	121		0,40	**3,4**	0,62	0,27	0,21	0,34	12743	159		
350	13,34	109		0,36	**4,2**	0,56	0,15	0,12	0,35	12701	534		
370	15,92	91		0,30	**3,8**	0,47	0,12	0,10	0,29	12587	631		
390	19,08	76		0,25	**3,3**	0,39	0,10	0,08	0,27	12465	715		
410	23,08	63		0,23	**2,9**	0,32	0,08	0,07	0,22	12335	788		
430	25,55	57		0,21	**2,7**	0,29	0,08	0,06	0,20	12198	1277		
450	30,48	48		0,18	**2,4**	0,27	0,06	0,05	0,17	12000	1298		
450	36,55	40		0,15	**2,0**	0,23	0,05	0,04	0,14	12000	1339		
450	44,20	33		0,12	**1,6**	0,19	0,04	0,03	0,12	12000	1373		
450	50,51	29		0,11	**1,4**	0,16	0,04	0,03	0,10	12000	1394		
450	58,15	25		0,09	**1,2**	0,14	0,03	0,03	0,09	12000	1413		
450	68,40	21		0,08	**1,1**	0,12	0,03	0,02	0,08	12000	1431		
450	72,92	20		0,07	**1,0**	0,11	0,03	0,02	0,07	12000	1437		
450	83,48	17		0,06	**0,87**	0,10	0,02	0,02	0,06	12000	1450		
450	96,68	15		0,06	**0,75**	0,09	0,02	0,02	0,05	12000	1461		
450	113,65	13		0,05	**0,64**	0,07	0,02	0,01	0,05	12000	1472		
450	112,73	13	**KT275**	1,4	**0,68**	0,44	0,34	0,25	0,19	12000	613	28	390
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	390
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		
580	5,68	255	**KT373**	27	**17**	12	10	7,6	5,8	10852	-	60	394
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	-		



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
820	15,96	91	**KT373**	15	**8,3**	5,4	4,2	2,7	2,1	11800	-	60	394
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		
820	37,19	39		7,1	**3,6**	2,3	1,8	1,2	0,88	11800	1579		
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	398
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	402
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	402
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	406
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		



Tabelle prestazionali dei riduttori serie K
K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
1550	60,63	24	**KT473**	8,3	**4,1**	2,7	2,1	1,4	1,0	17000	1668	96	406
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		
1550	97,79	15		5,1	**2,6**	1,7	1,3	0,84	0,64	17000	1777		
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	410
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	414
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	414
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	418
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		



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
2700	125,51	12	**KT573**	6,9	**3,5**	2,3	1,7	1,1	0,86	22500	3149	138	418
2700	117,96	12	**KT574**	7,6	**3,8**	2,5	1,9	1,2	0,94	22500	1466	140	422
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	426
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	426
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	430
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	434
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		



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *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	438
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	438
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	442
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	446
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		



Tabelle prestazionali dei riduttori serie K

K Series Gear Units Performance Tables

K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
8000	436,74	3,3	**KT775**	6,2	**3,1**	2,0	1,5	1,0	0,77	55000	1746	381	450
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	450
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	454
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	458
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		

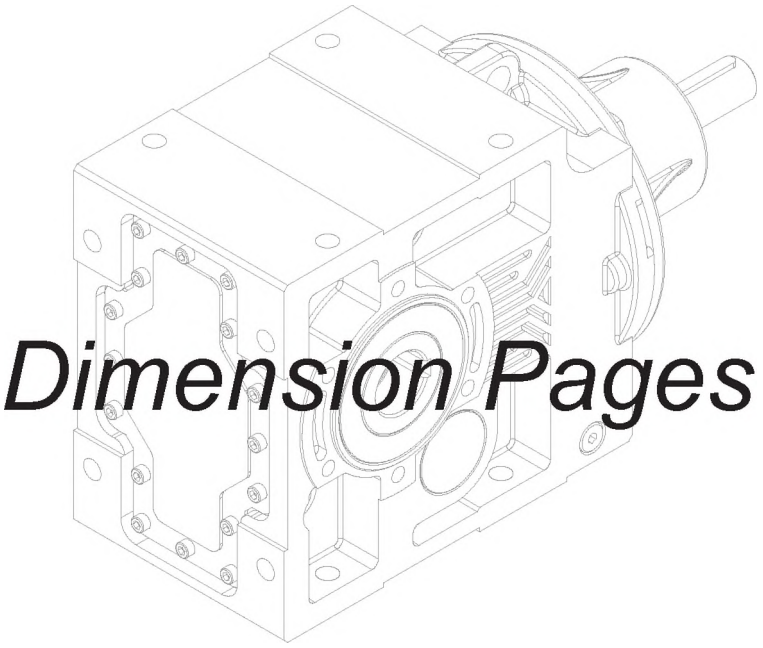


Tabelle prestazionali dei riduttori serie K
K Series Gear Units Performance Tables
K Serien Getriebe Leistung und Drehzahlübersicht

Coppia nominale *Nominal Torques* Nenn-drehmomente Ma [Nm] (n1=1450rpm)	Rapporto *Ratio* Übersetzung i	Velocità di rotazione in uscita *Output Speeds* Abtriebs-drehzahlen n2 [r.p.m] (n1=1450rpm)	Tipo *Type* Typ	Pe= Potenza nominale [kW] (per fattore di servizio fs=1,0) *Pe= Nominal Power [kW] (For Service Factor fs=1,0)* Pe= NennLeistung [kW] (Bei Betriebsfaktor fs=1,0) Velocità di rotazione in entrata [giri/min.] / *Input speed [rpm]* / Antriebsdrehzahl[upm]						Carichi radiali ammessi (uscita) *Permissible Radial Loads (Output)* Zul.Querkräfte (Abtrieb) Fqam [N] (n1=1450rpm)	Carichi radiali ammessi (entrata) *Permissible Radial Loads (Input)* Zul.Querkräfte (Antrieb) Fqem [N] (n1=1450rpm)	Peso *Weight* Gewicht [kg]	Tabella dim. *Dim. Page* Maße Seite
				n1=2900	**n1=1450**	n1=950	n1=725	n1=475	n1=360				
15000	438,70	3,3	**KT874**	11	**5,7**	3,7	2,8	1,9	1,4	76000	2688	630	458
15000	463,83	3,1	**KT875**	11	**5,5**	3,6	2,7	1,8	1,4	76000	695	640	462
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	462
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		

Note / *Notes* / Notizen

Tabelle dimensionali

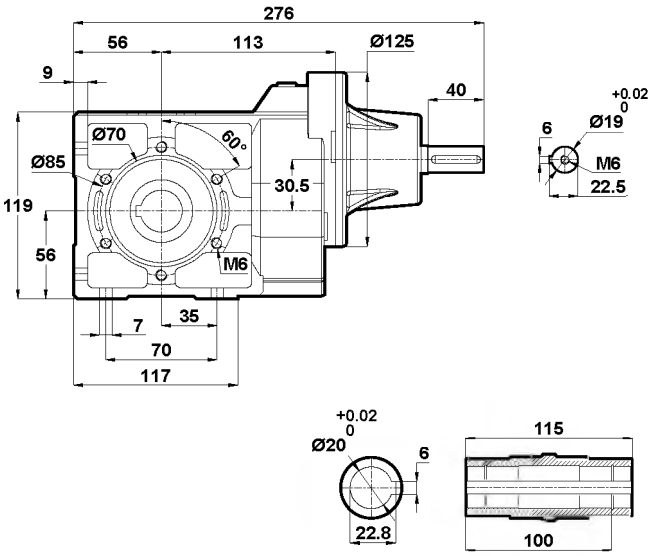


Dimension Pages

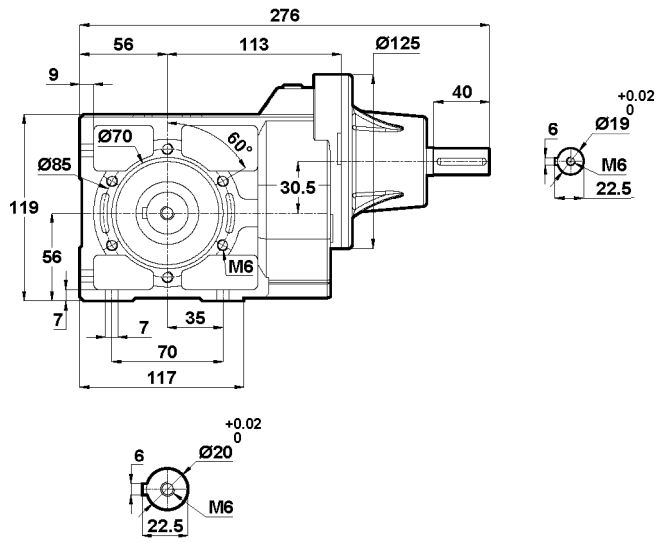
Abmessungsseiten

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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KT003.00

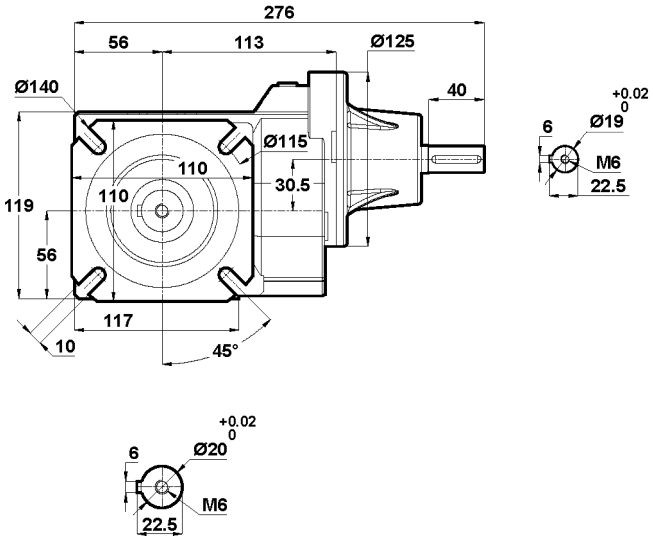


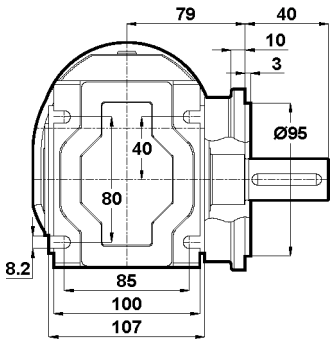
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KT003.01



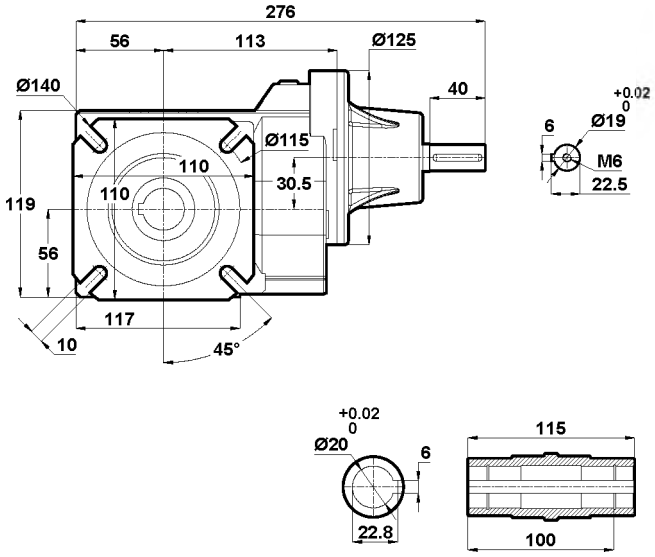
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

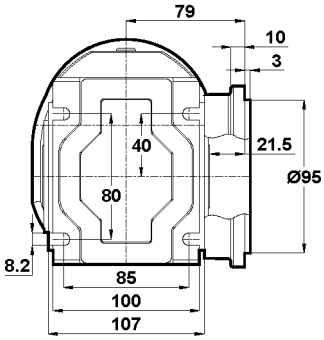
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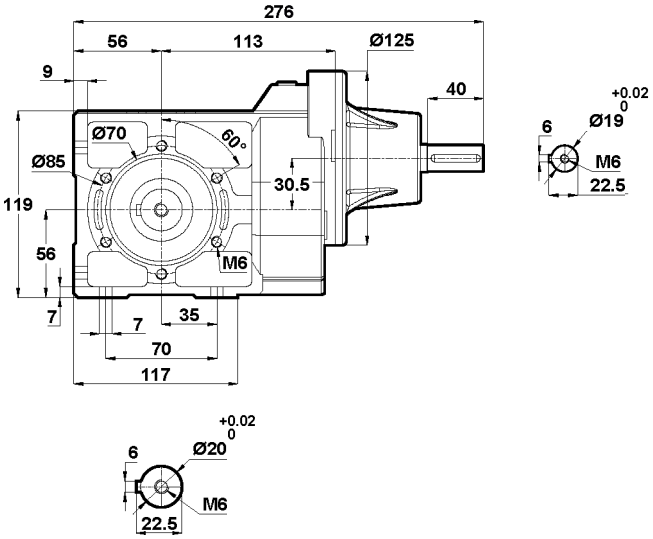
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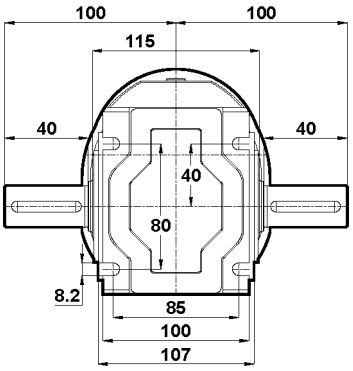




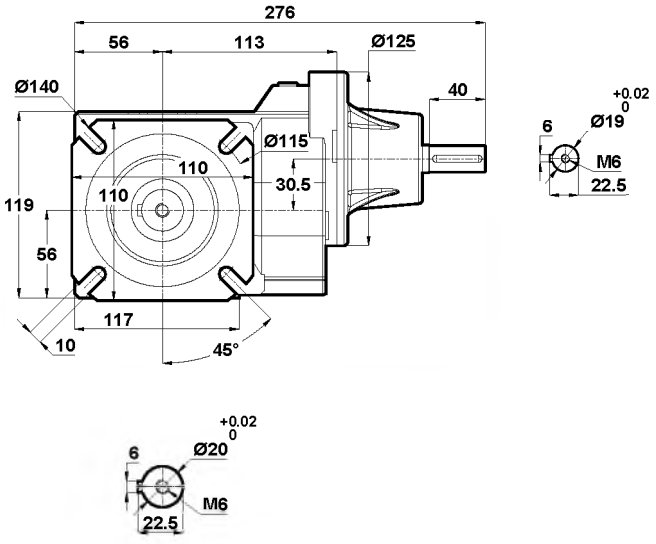
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

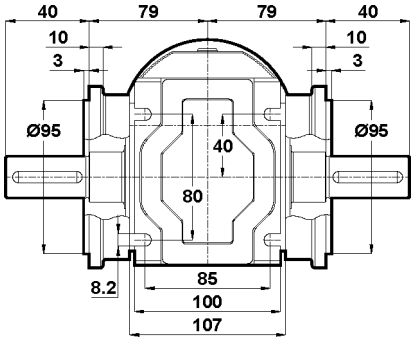
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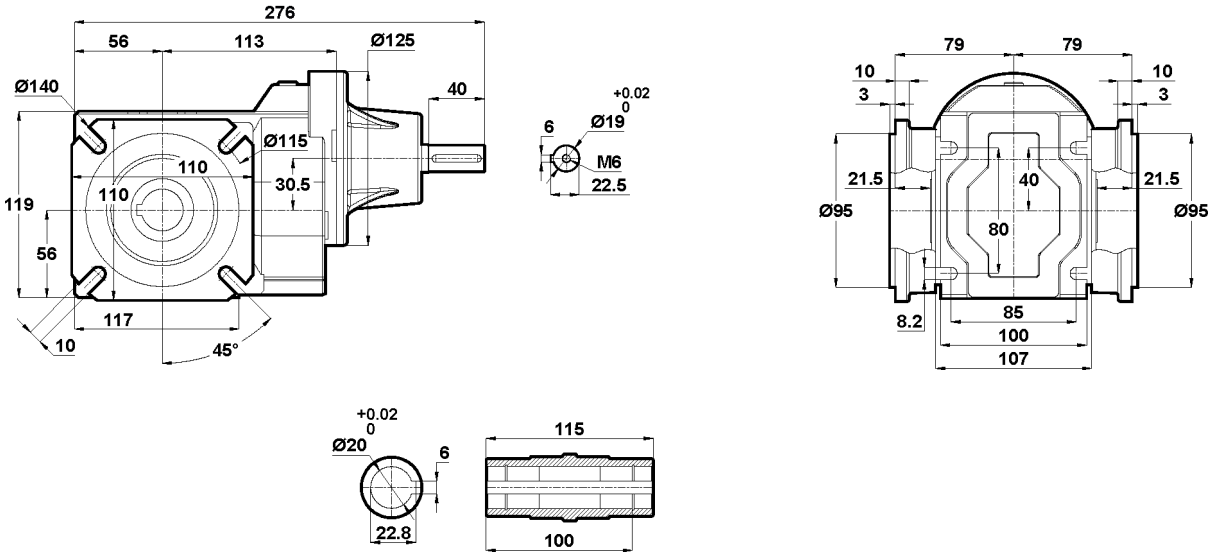
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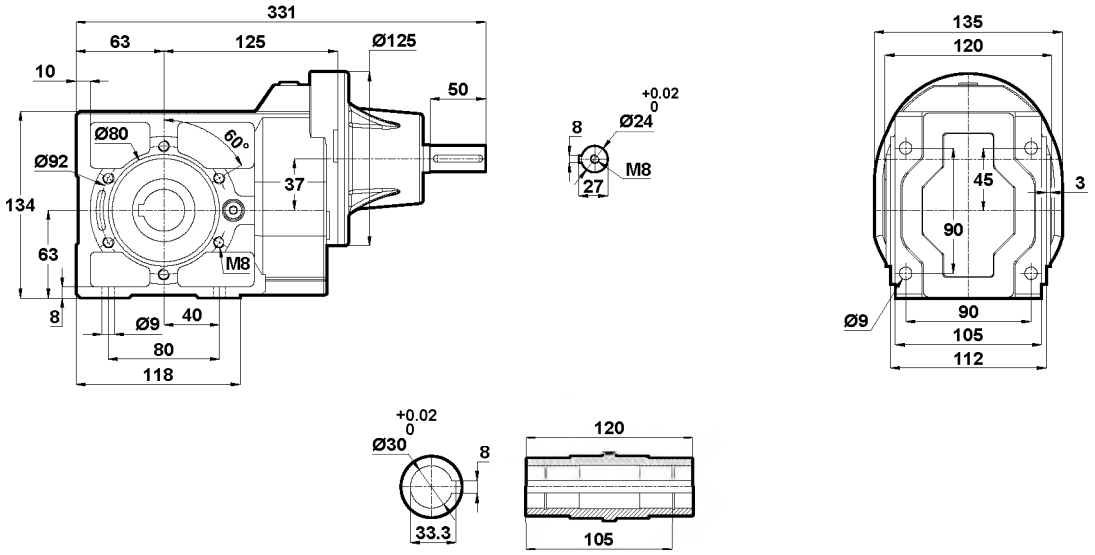
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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KT003.08

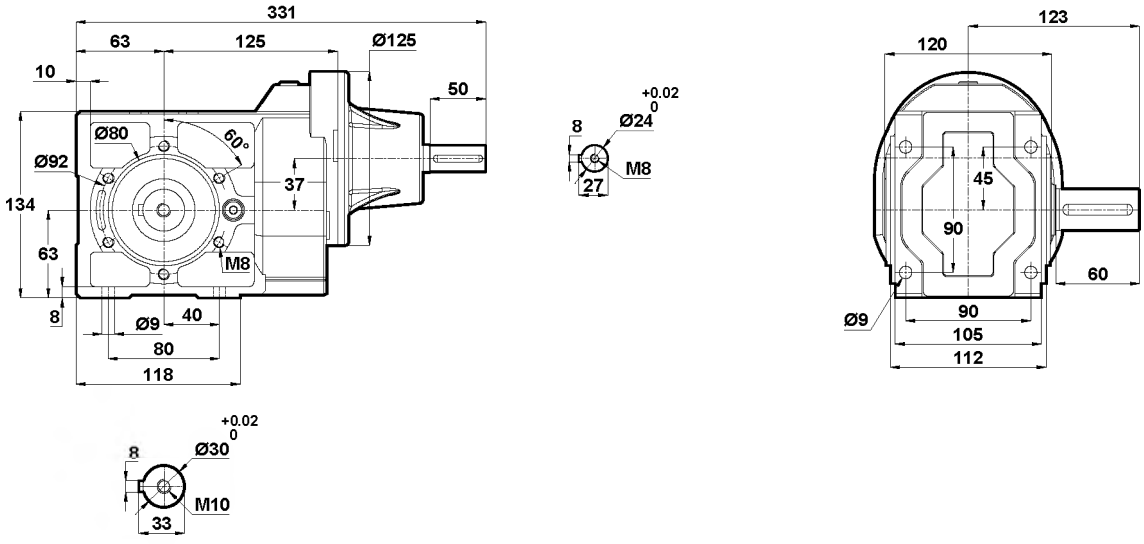


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT102.00
KT103.00

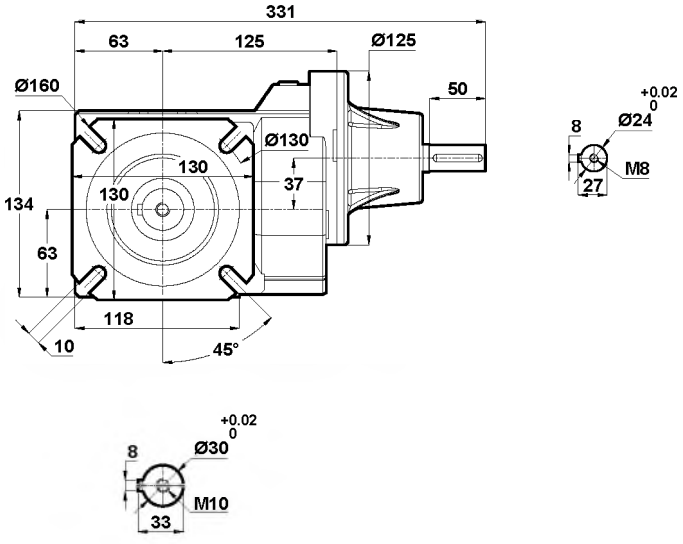


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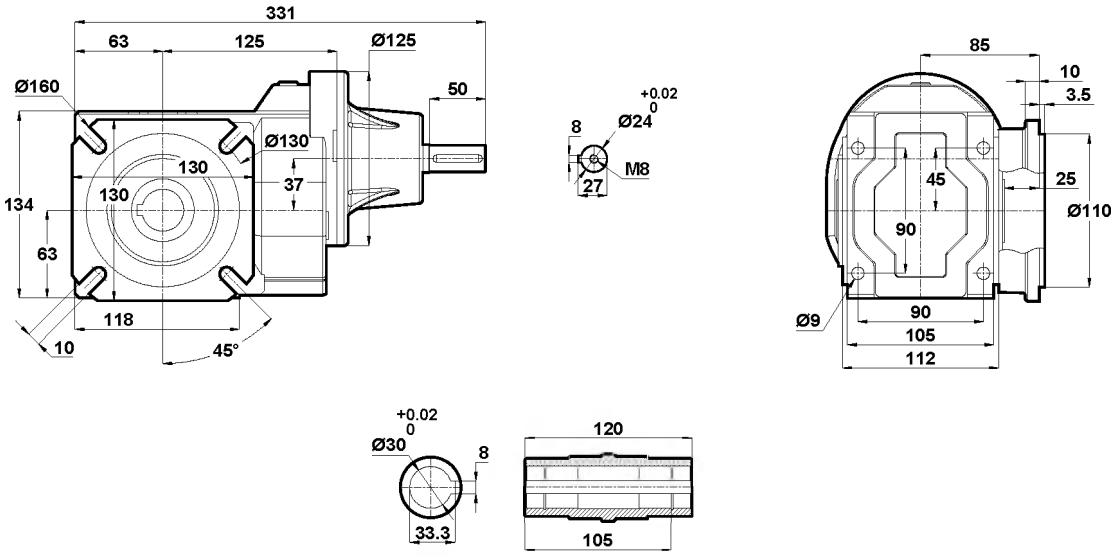


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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KT103.02

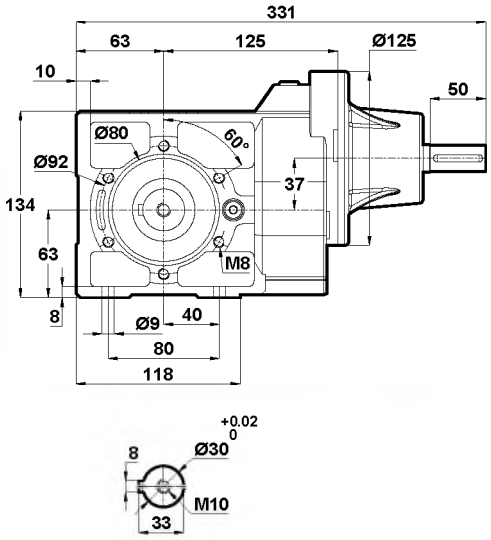


KT102.03
KT103.03

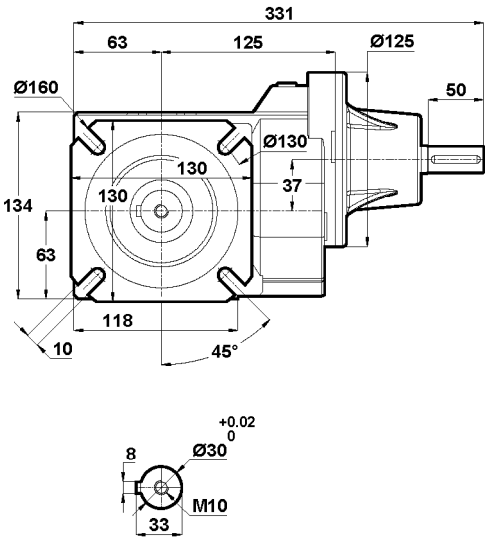


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT102.04
KT103.04

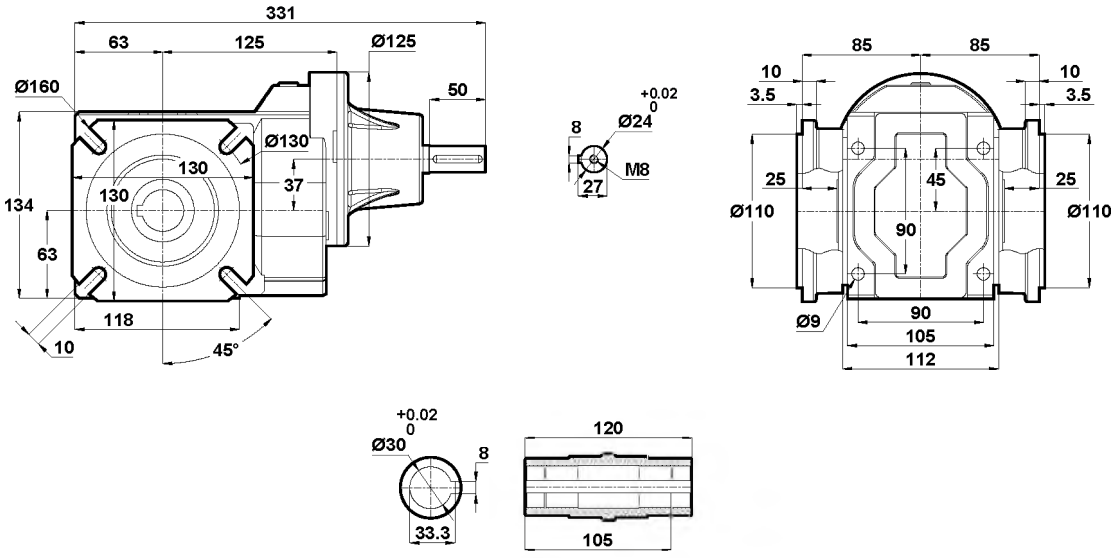


KT102.05
KT103.05



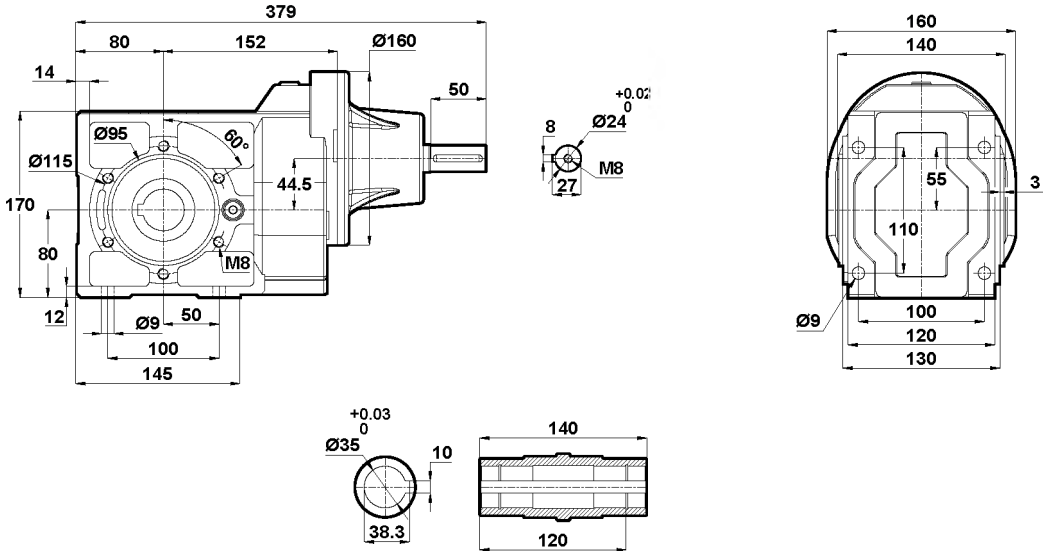
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT102.08
KT103.08

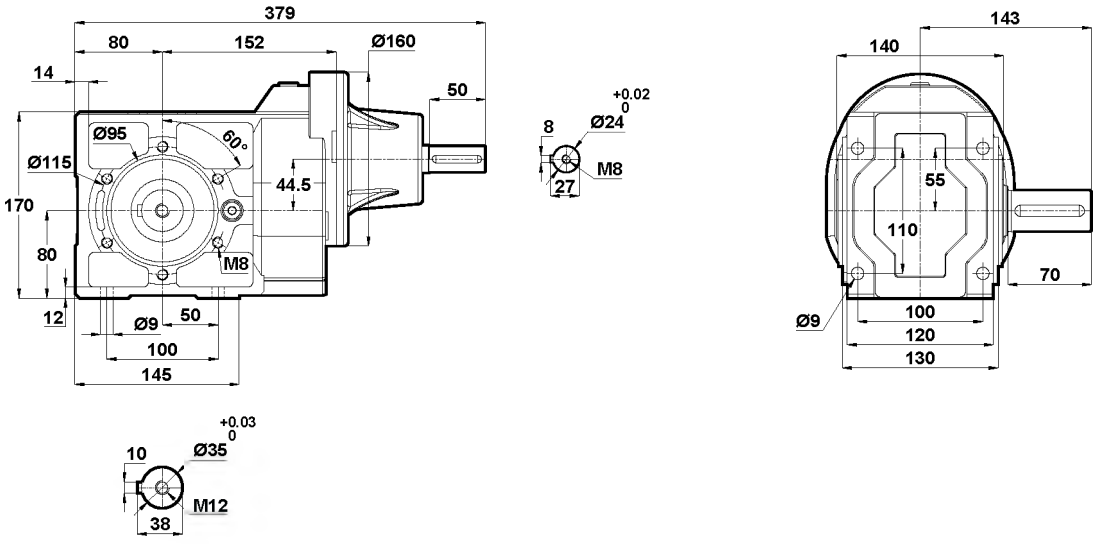


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT202.00
KT203.00

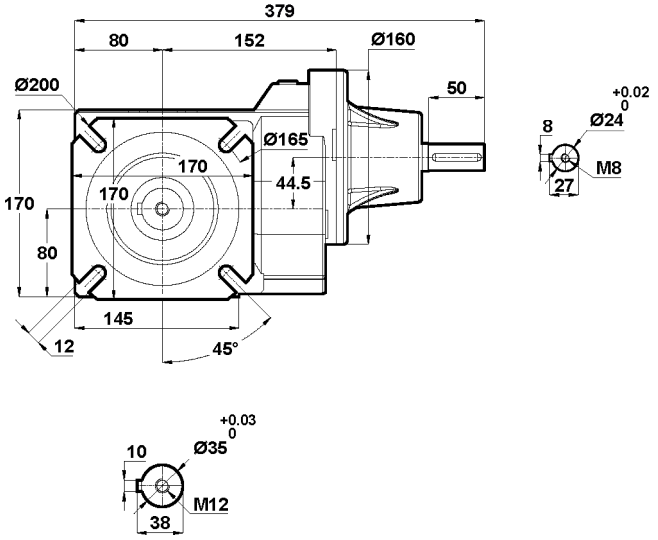


KT202.01
KT203.01

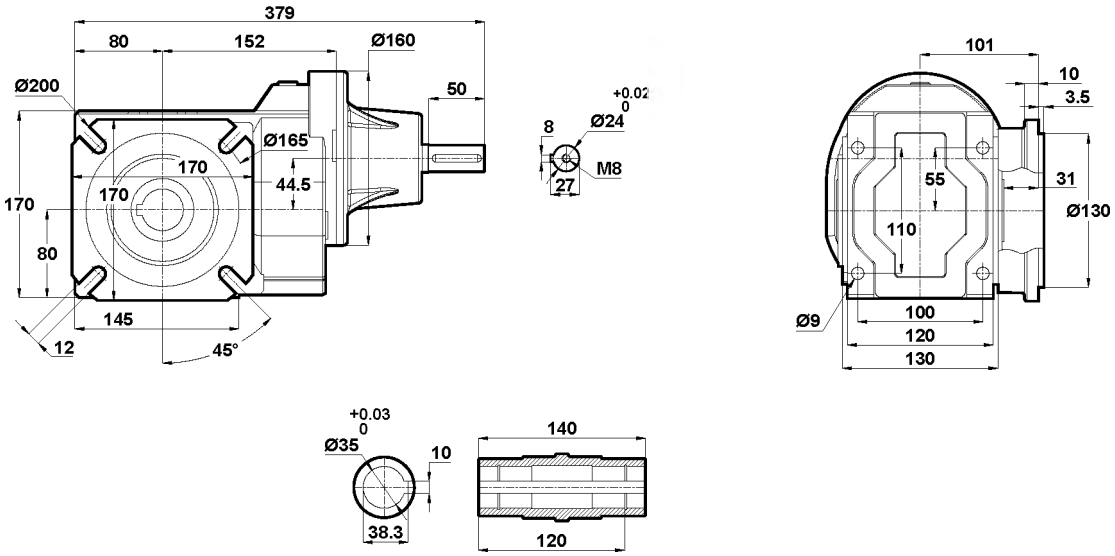


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT202.02
KT203.02

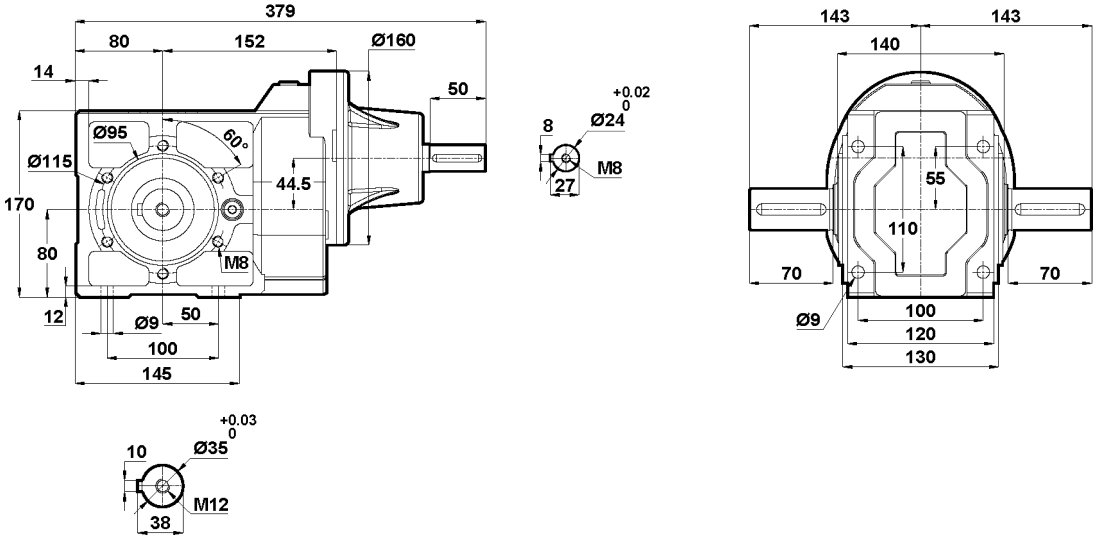


KT202.03
KT203.03

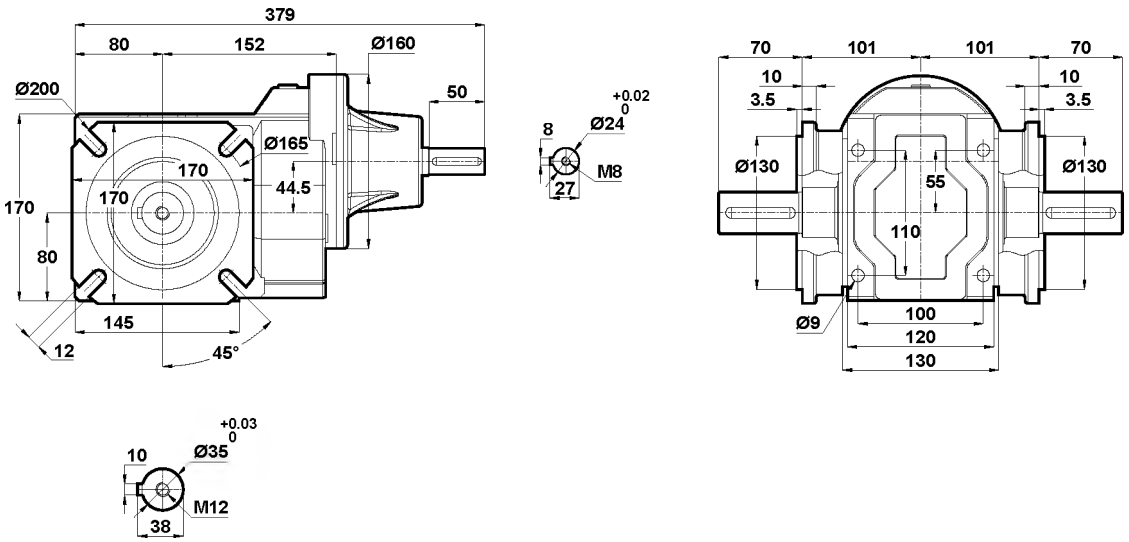


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT202.04
KT203.04

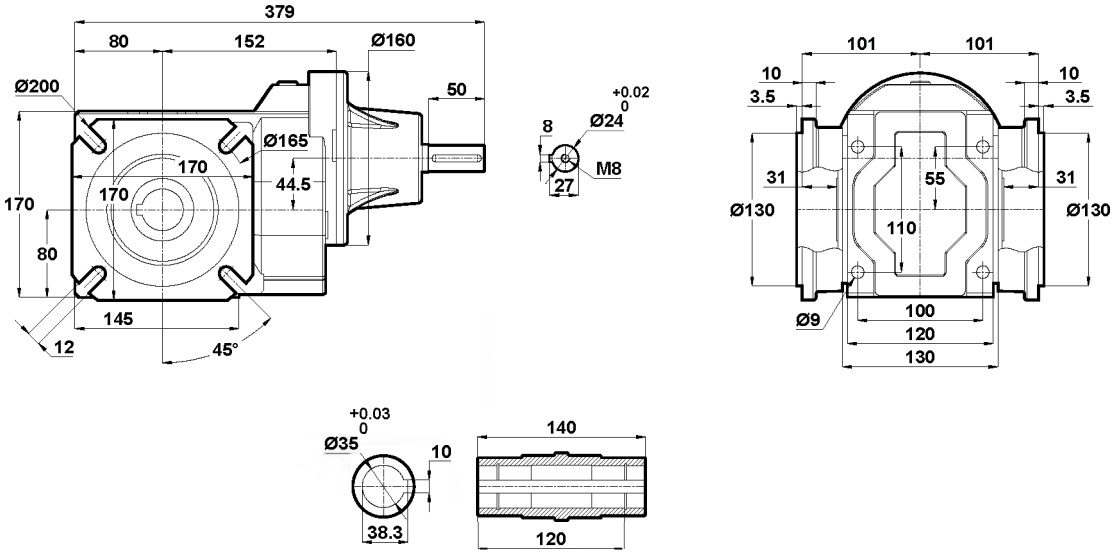


KT202.05
KT203.05



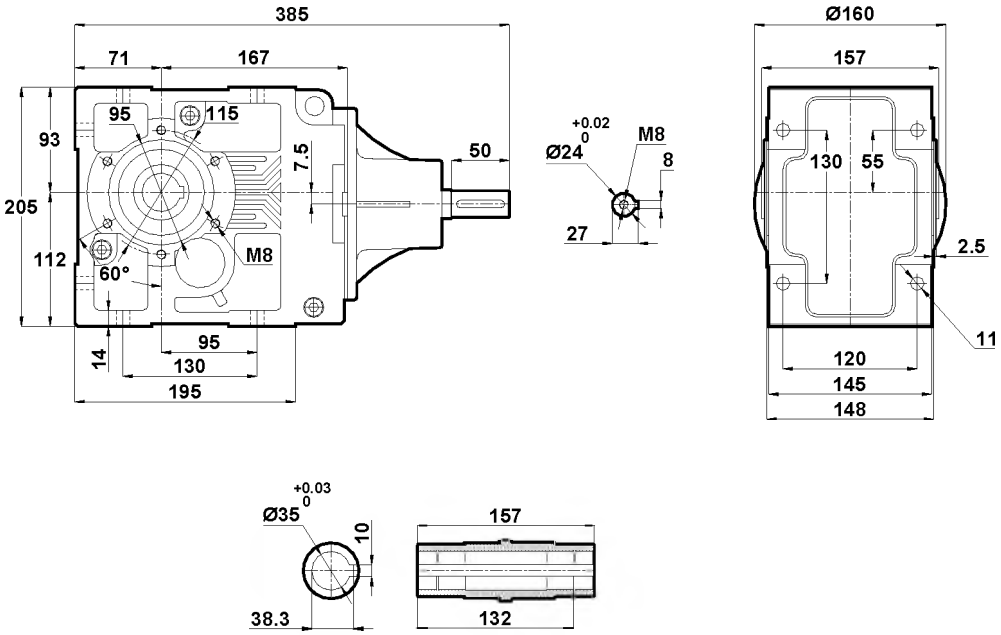
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT202.08
KT203.08

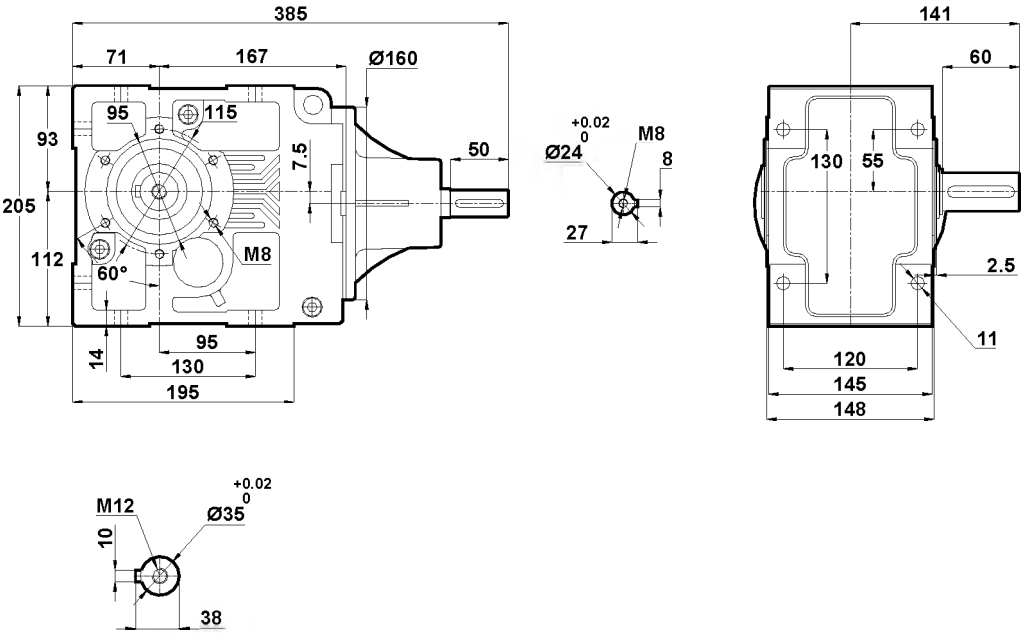


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT273.00

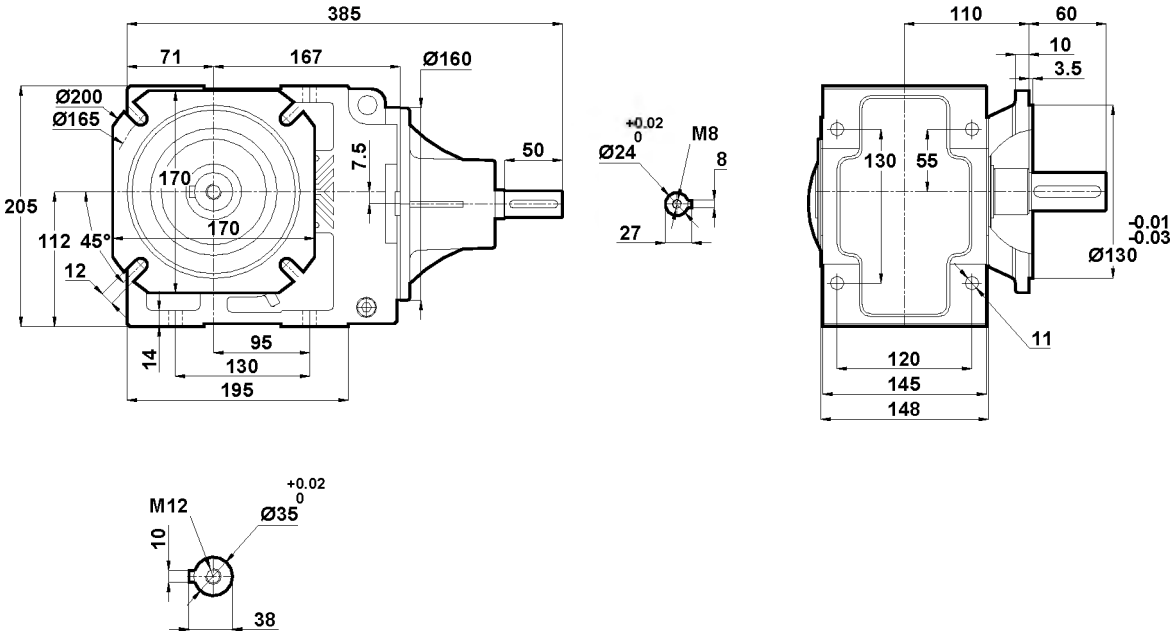


KT273.01

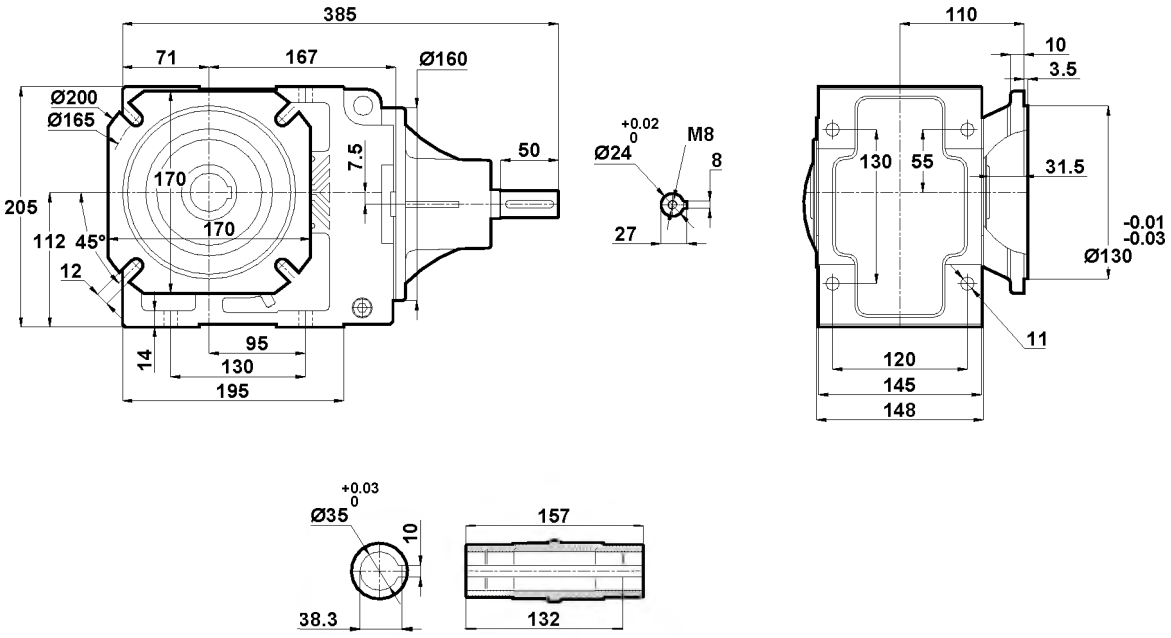


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT273.02

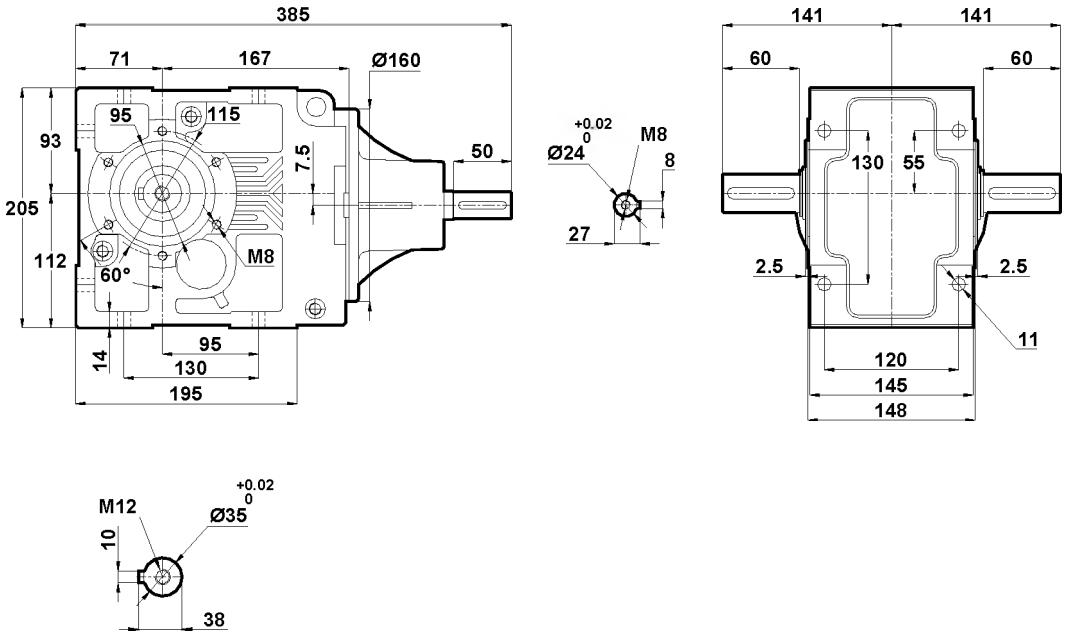


KT273.03

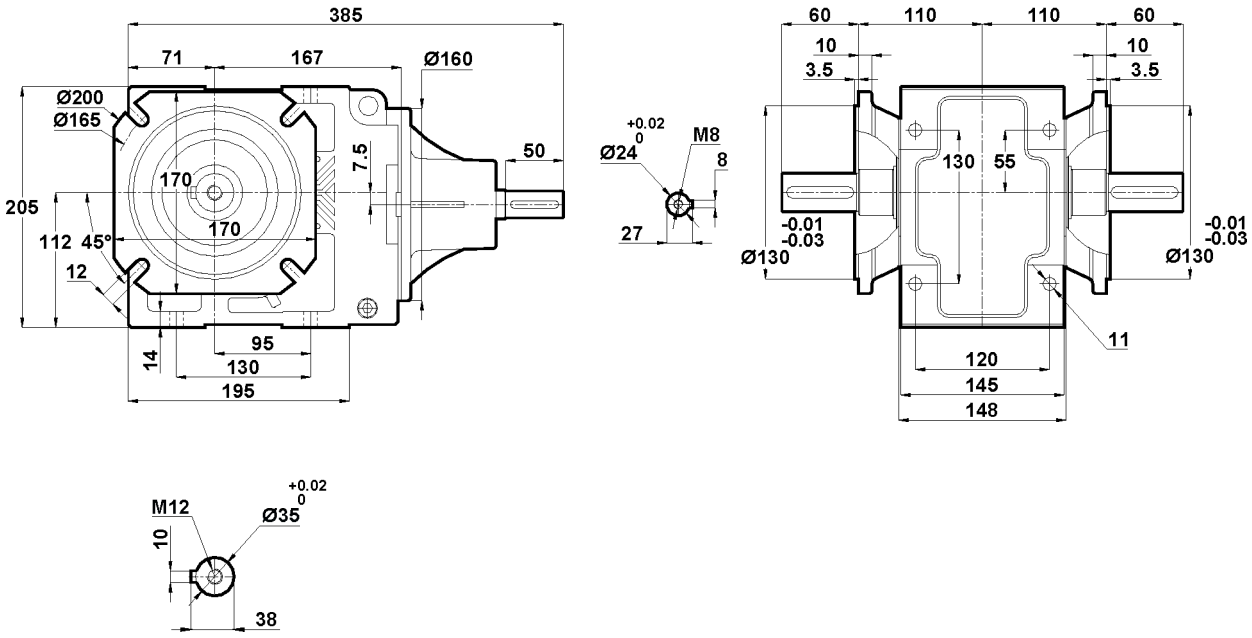


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT273.04

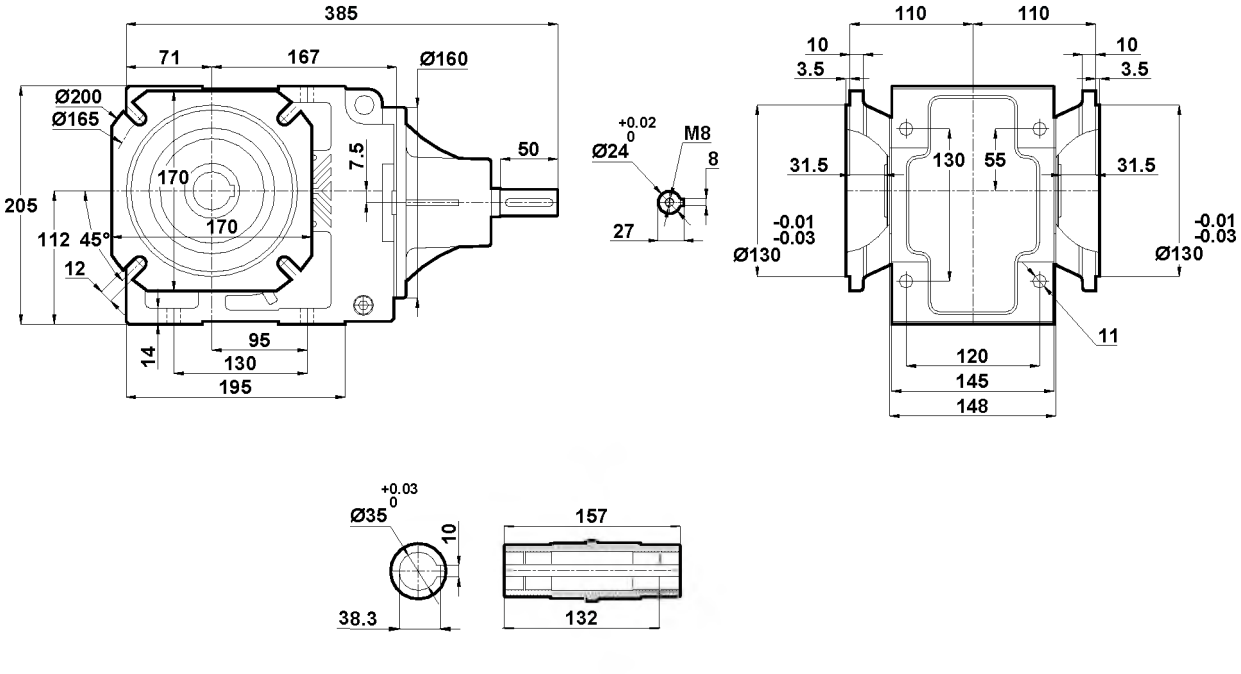


KT273.05



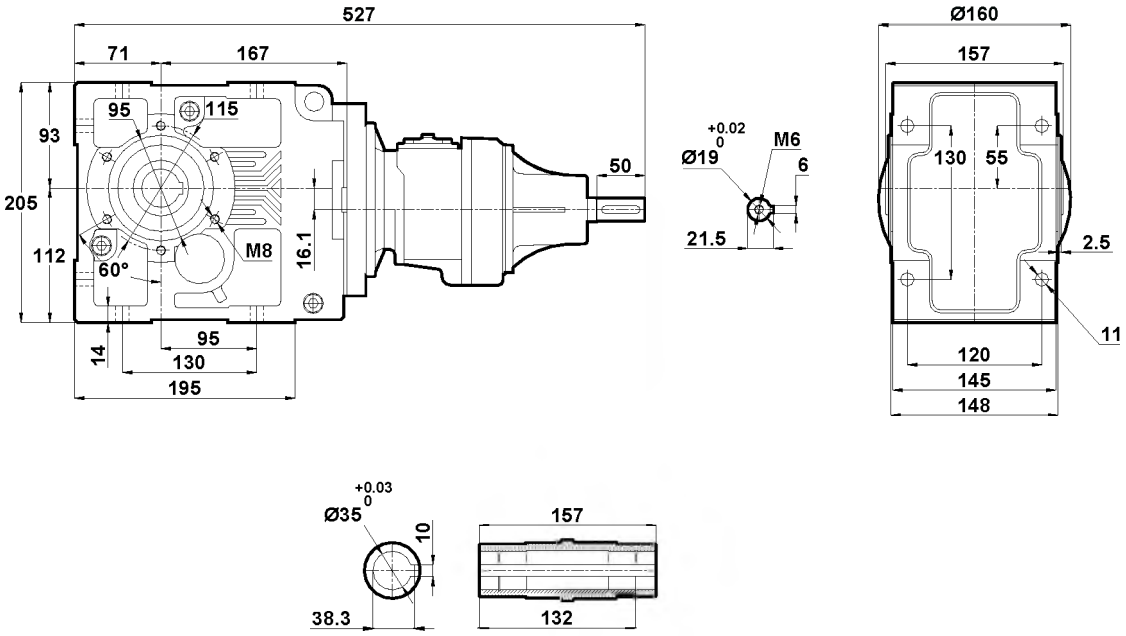
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT273.08

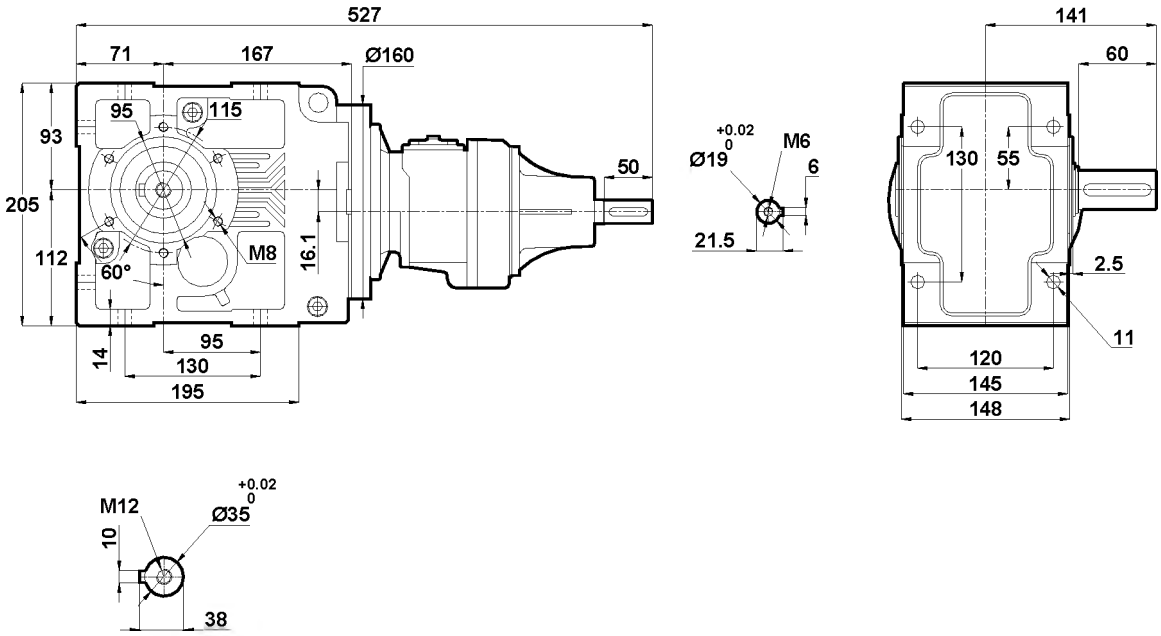


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT275.00
KT276.00

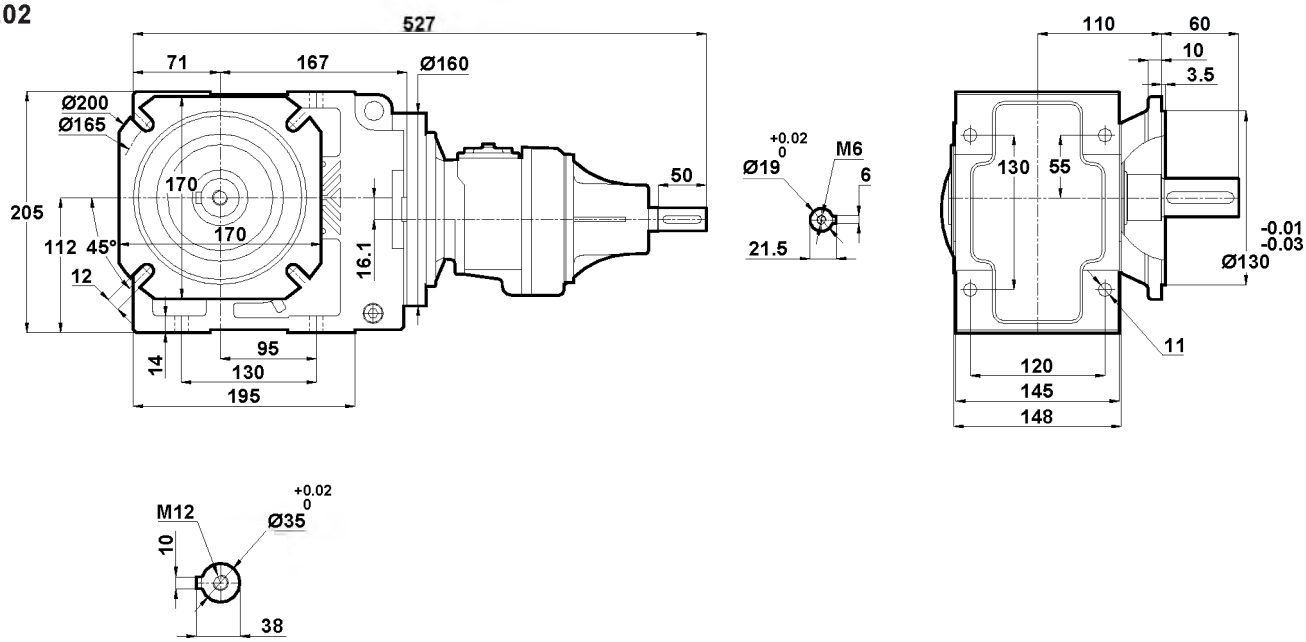


KT275.01
KT276.01

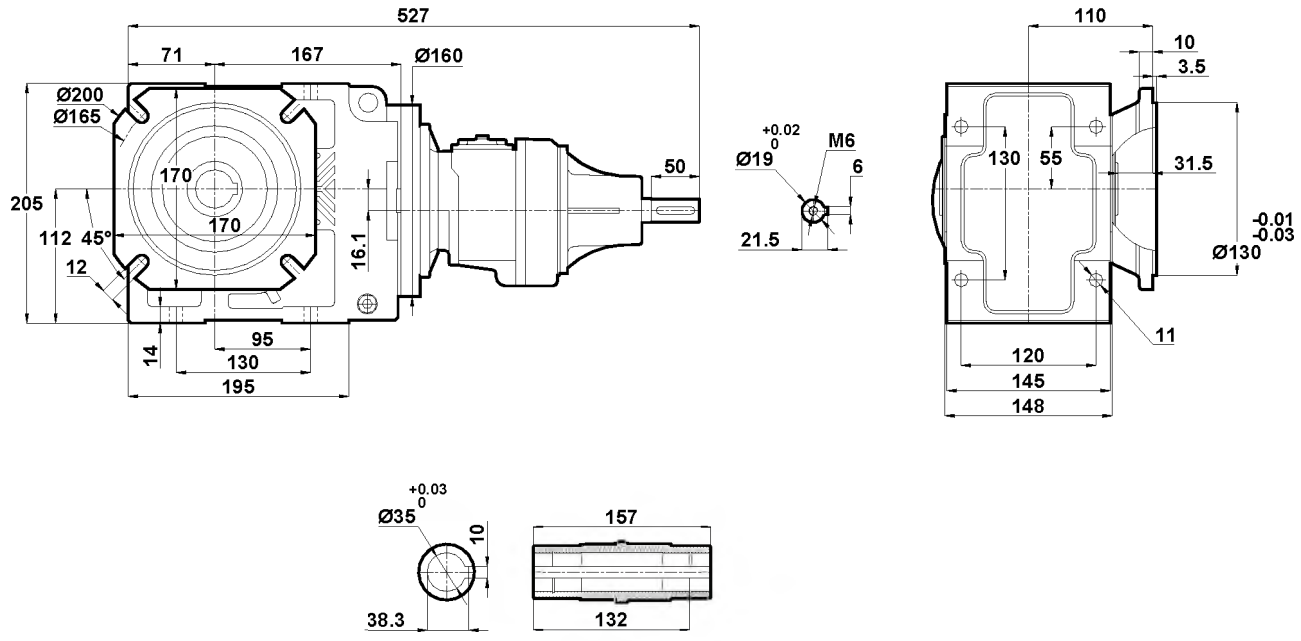


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT275.02
KT276.02

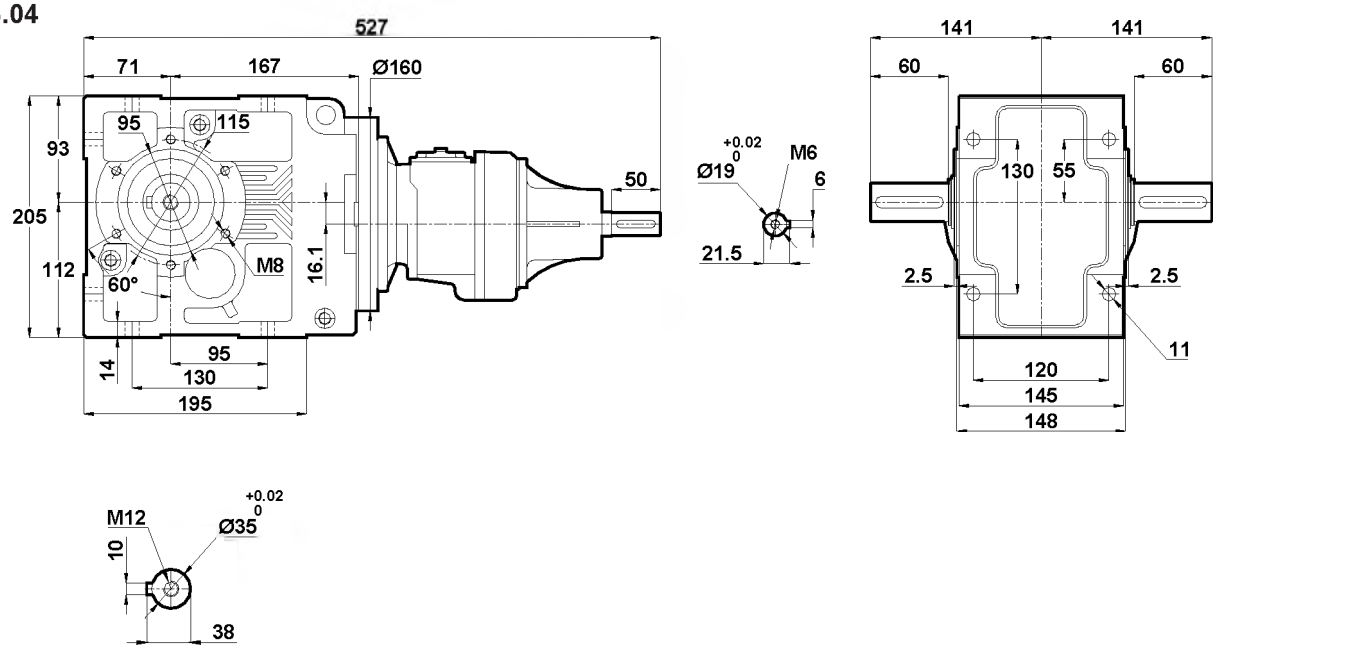


KT275.03
KT276.03

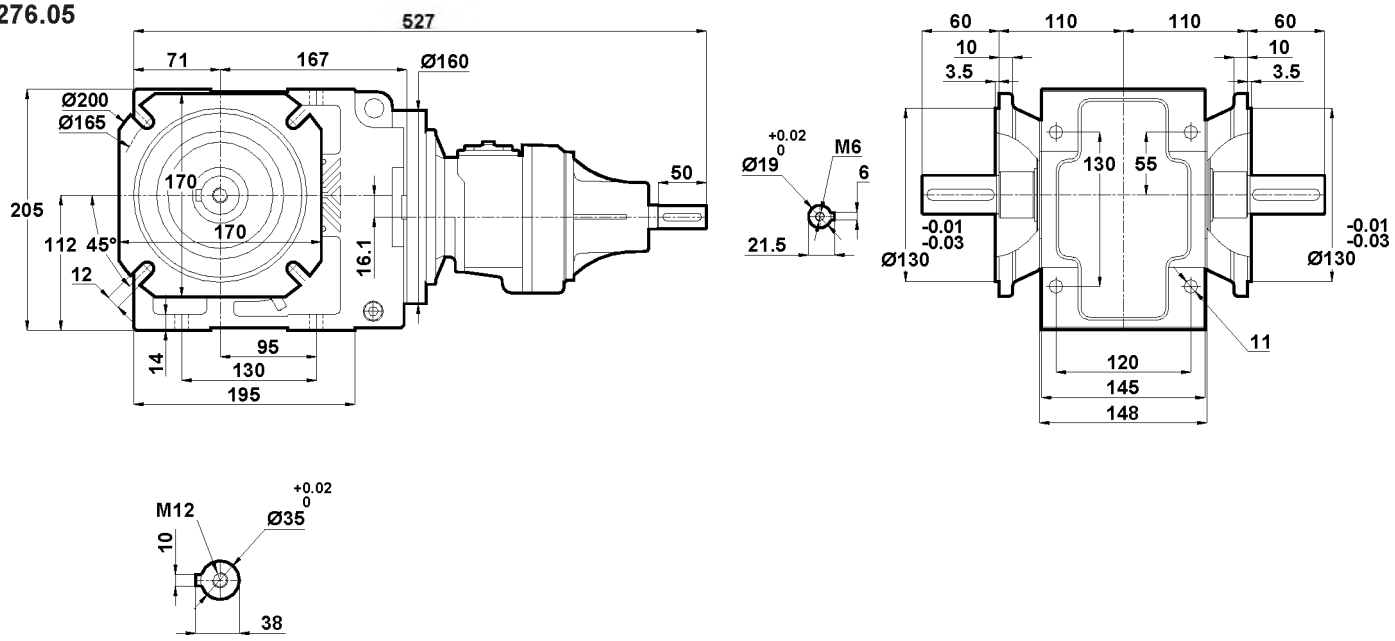


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT275.04
KT276.04

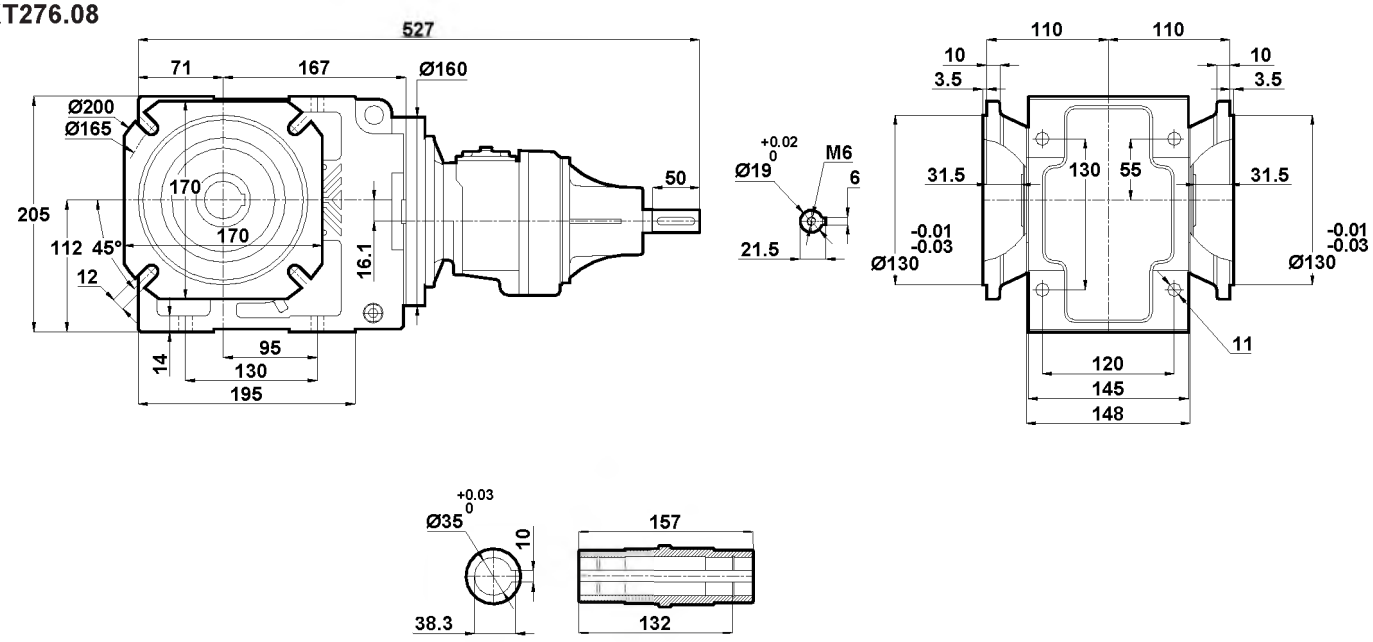


KT275.05
KT276.05



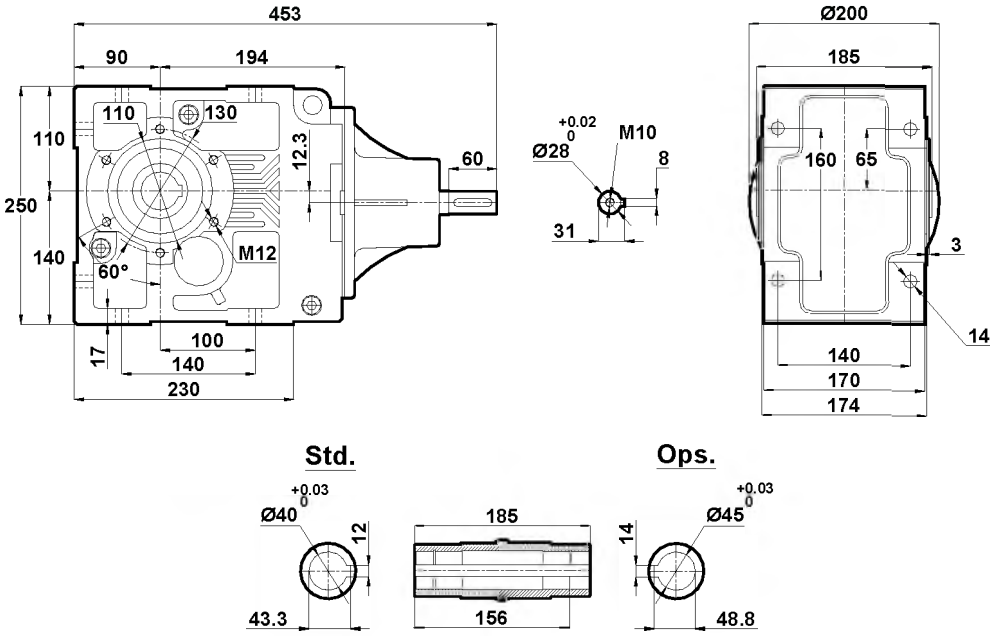
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT275.08
KT276.08

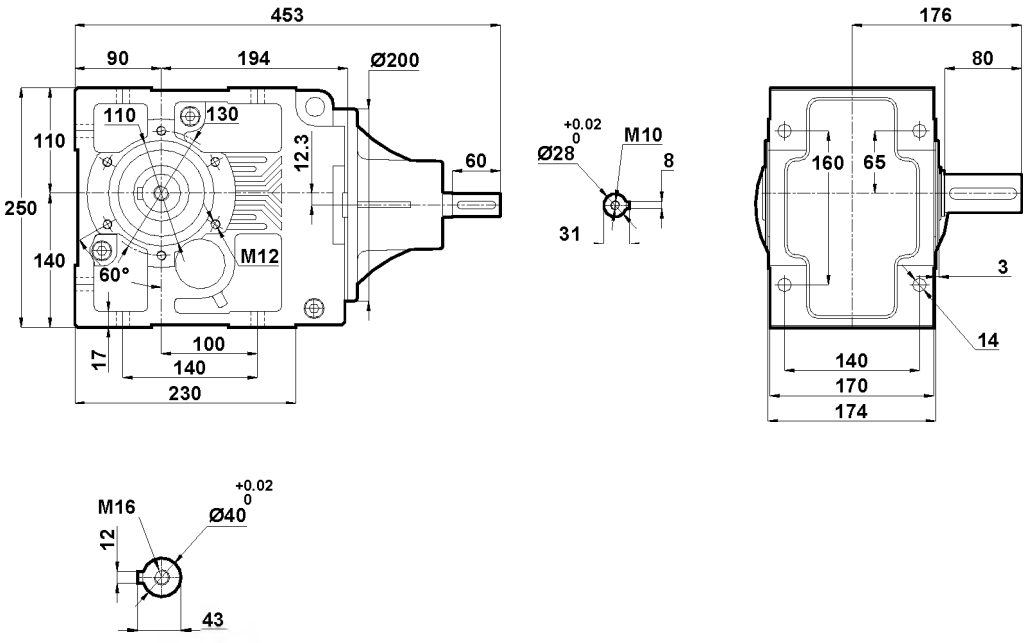


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT373.00

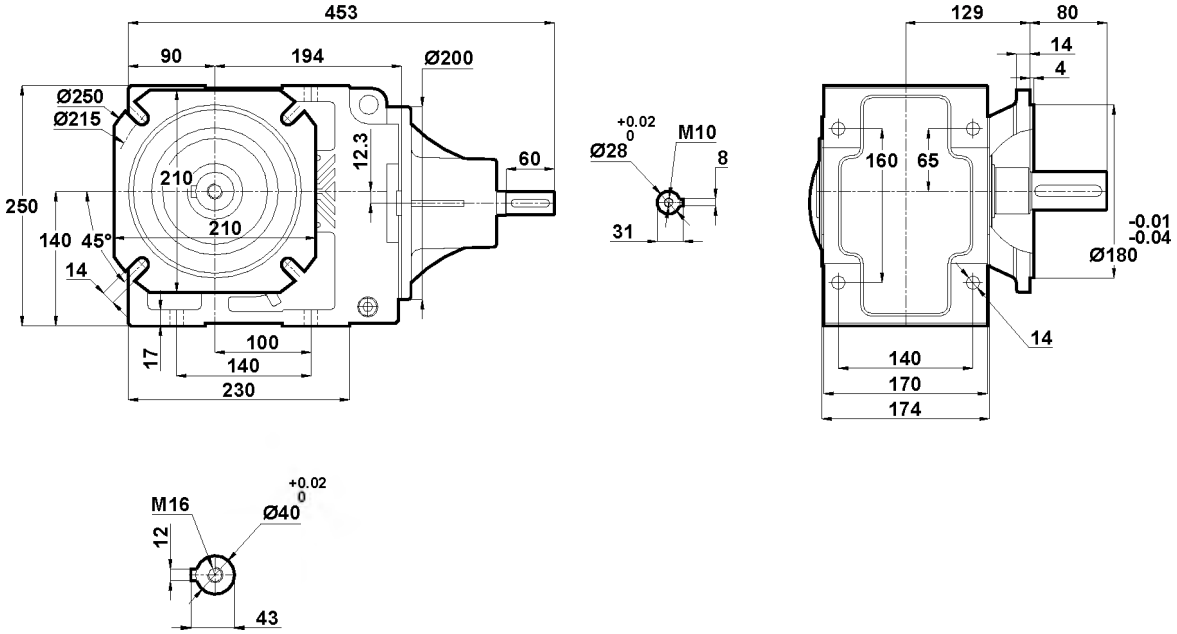


KT373.01

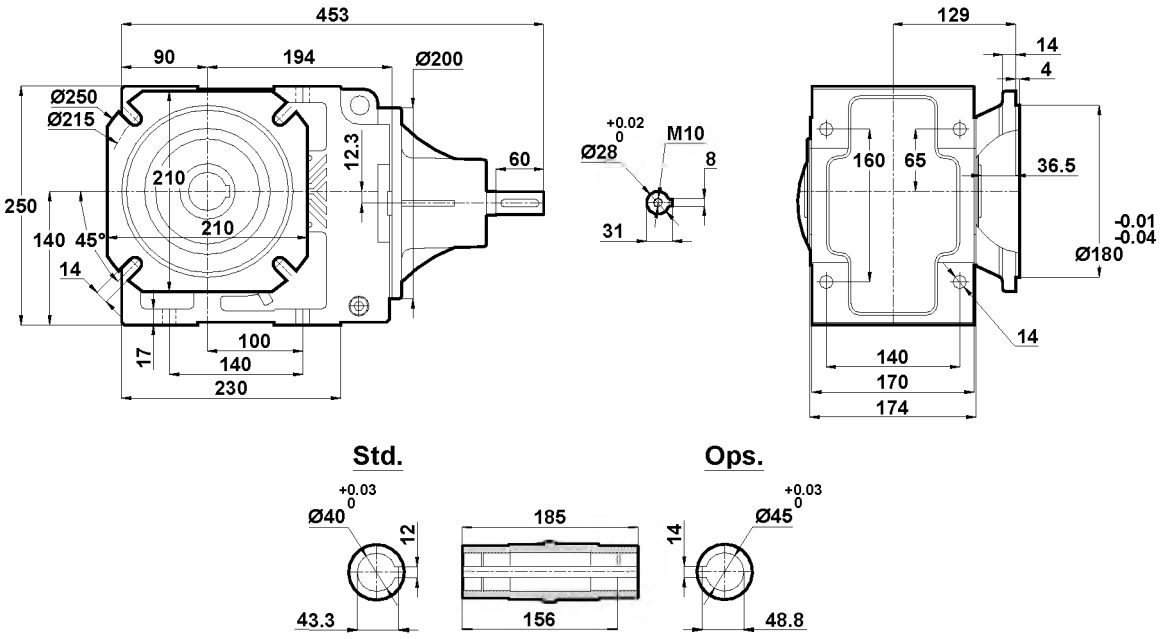


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT373.02

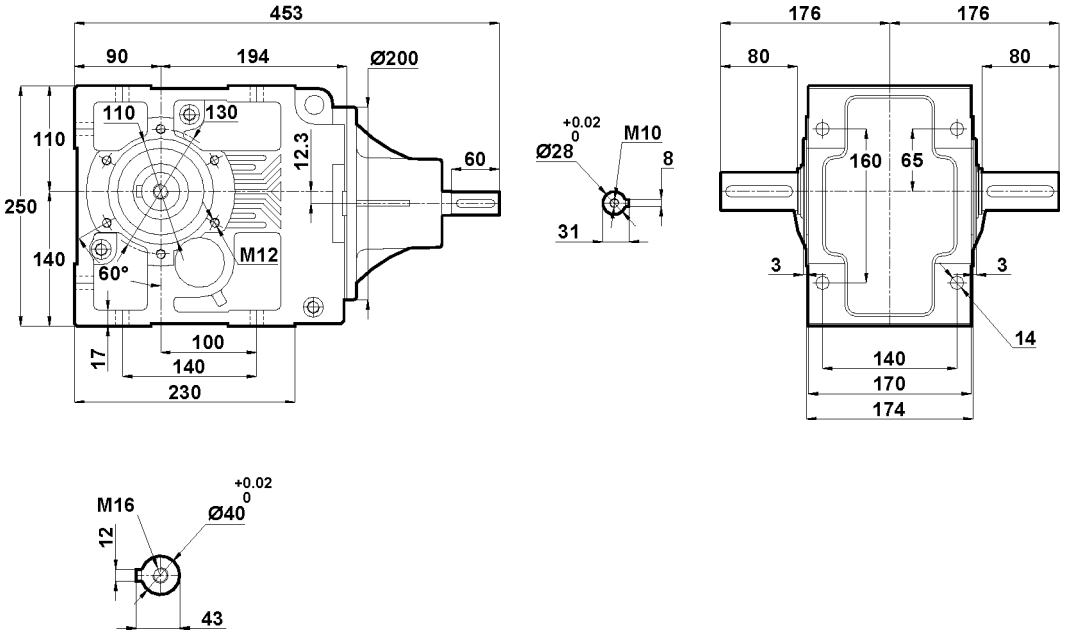


KT373.03

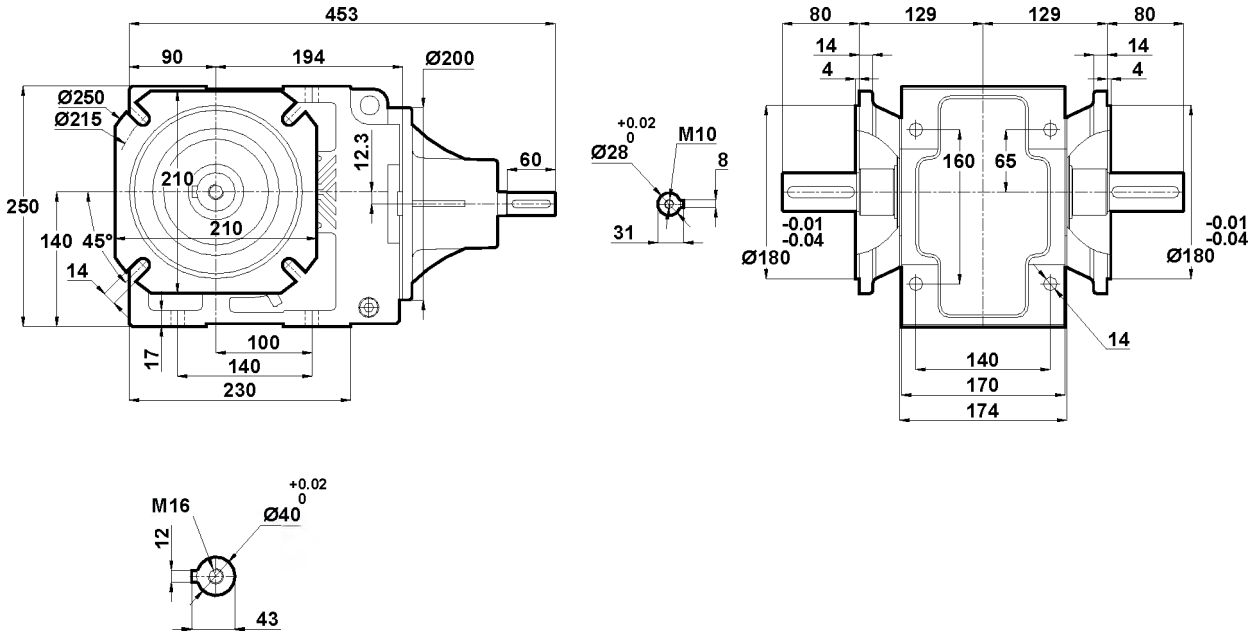


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT373.04

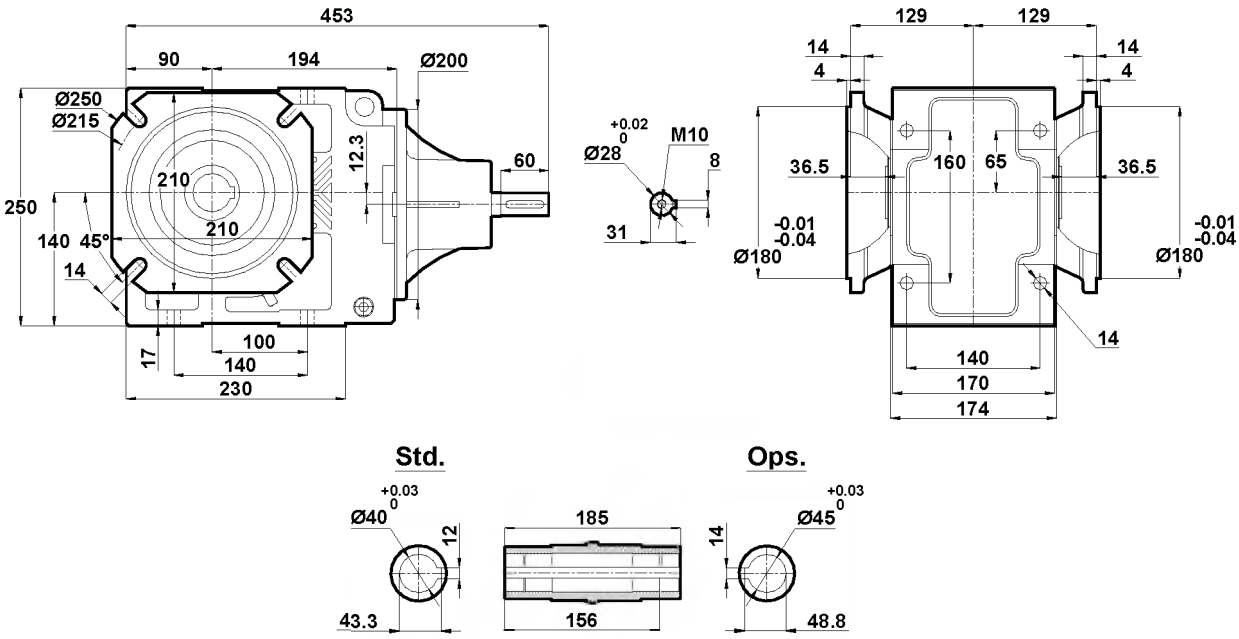


KT373.05



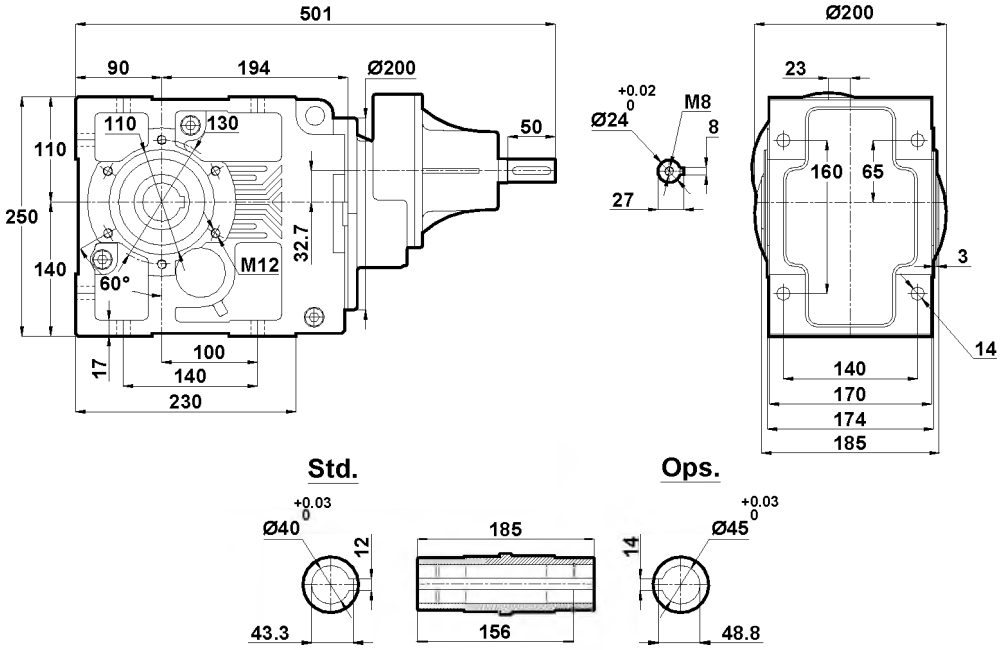
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT373.08

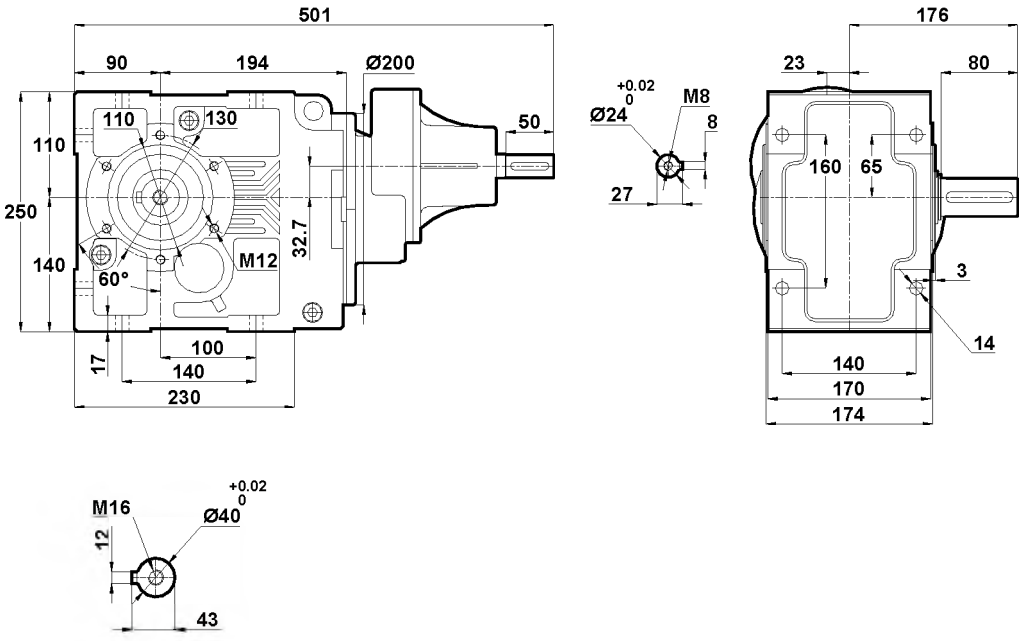


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT374.00

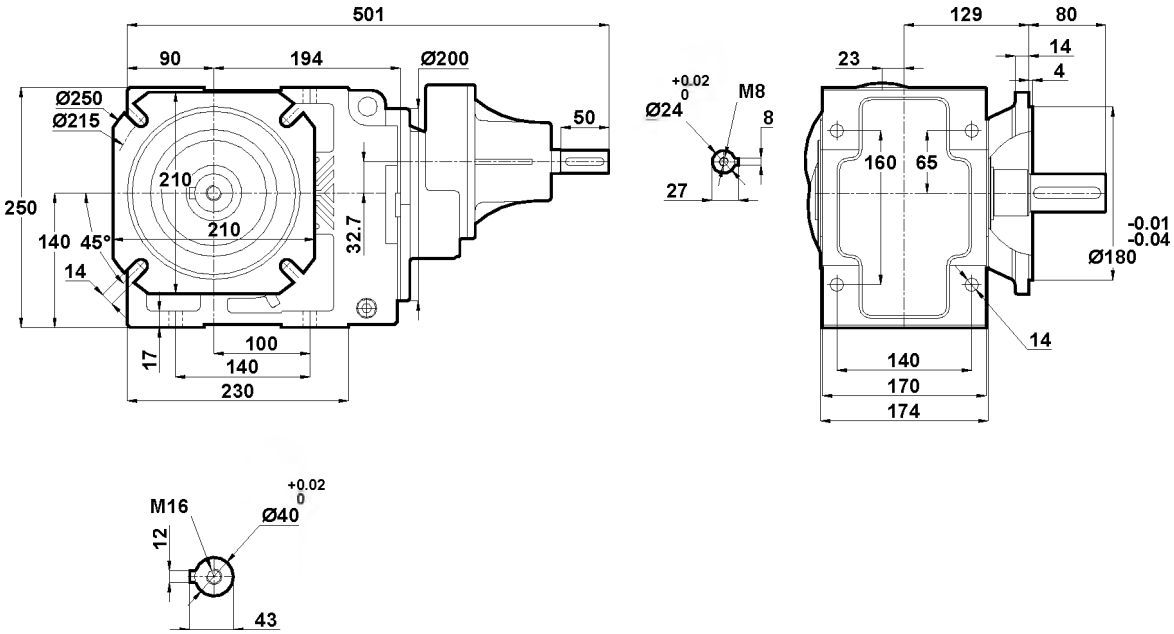


KT374.01

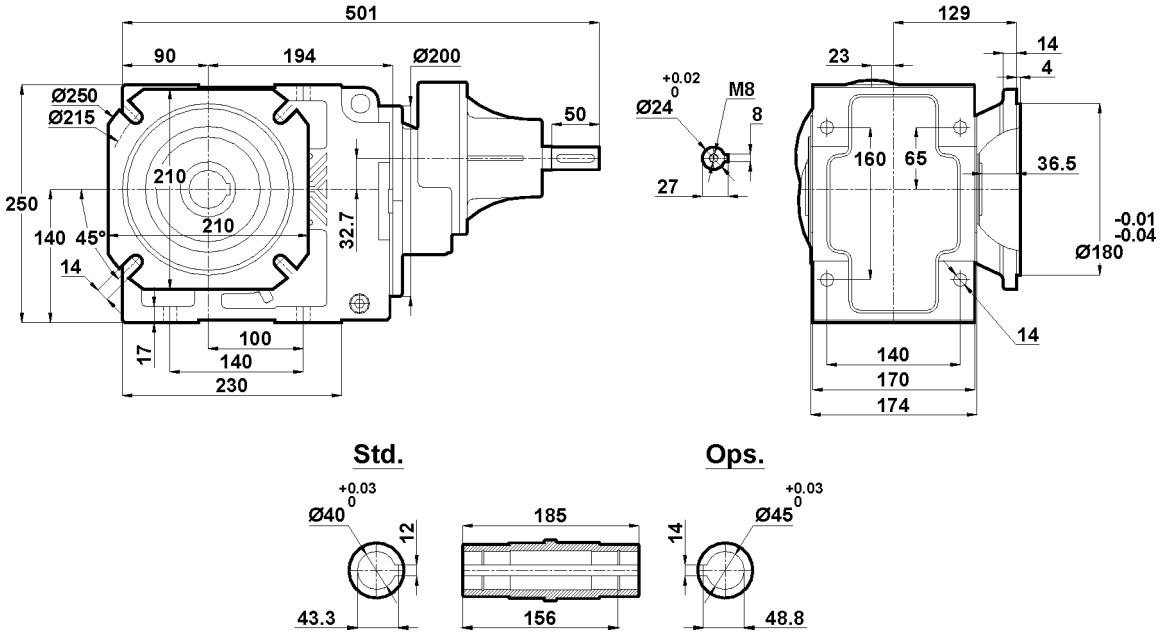


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT374.02

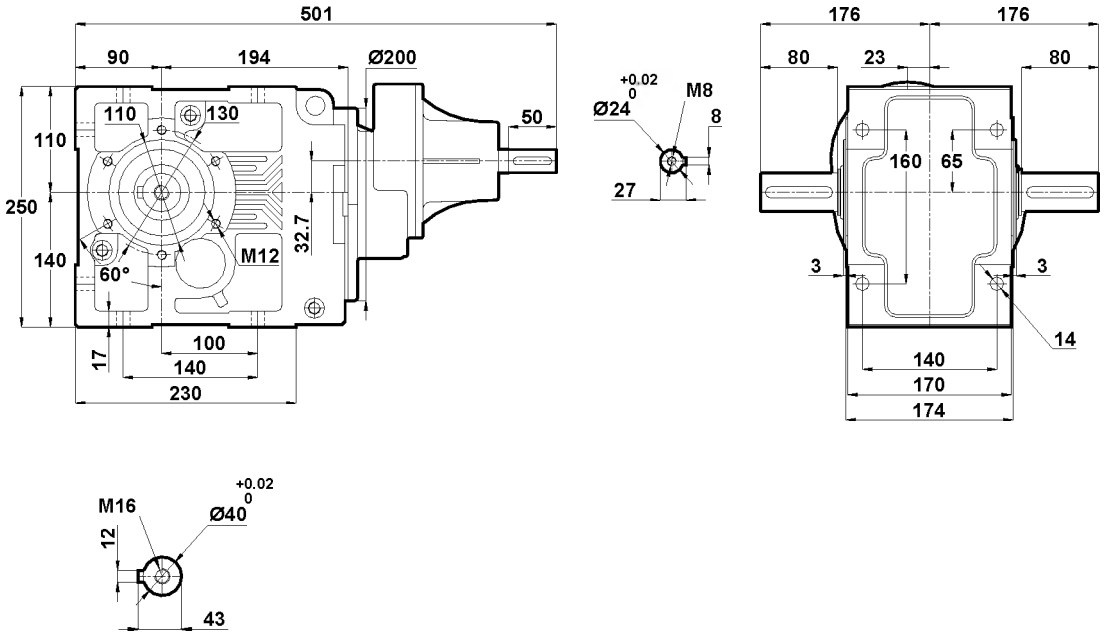


KT374.03

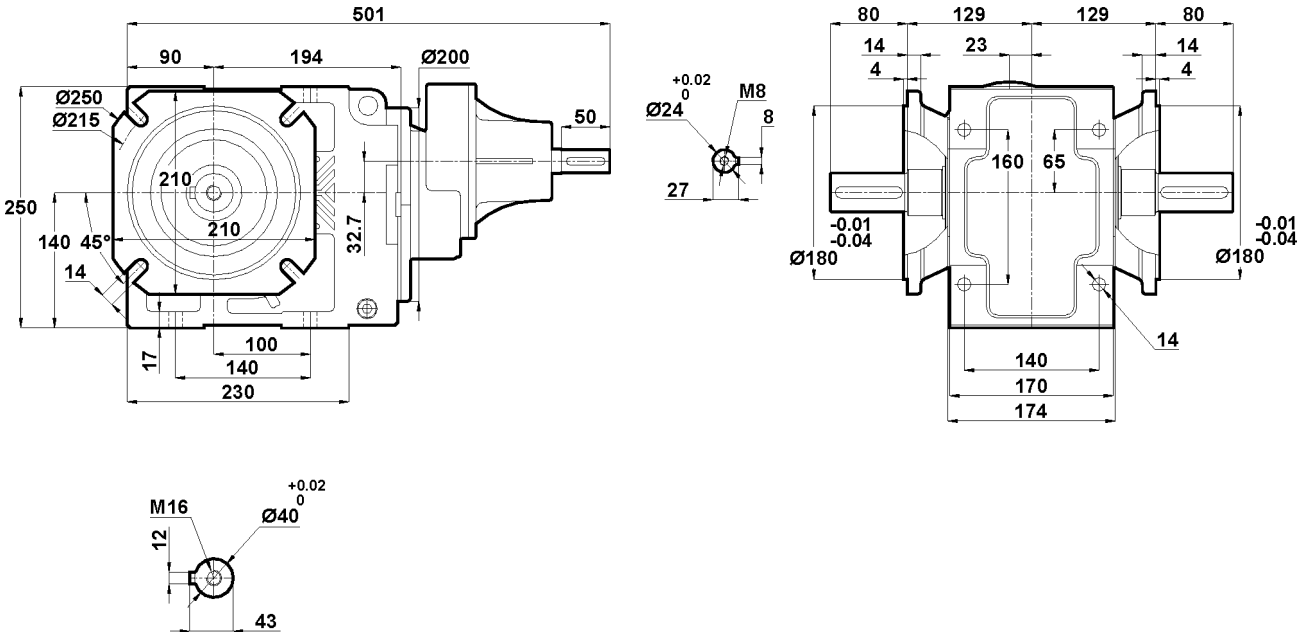


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT374.04

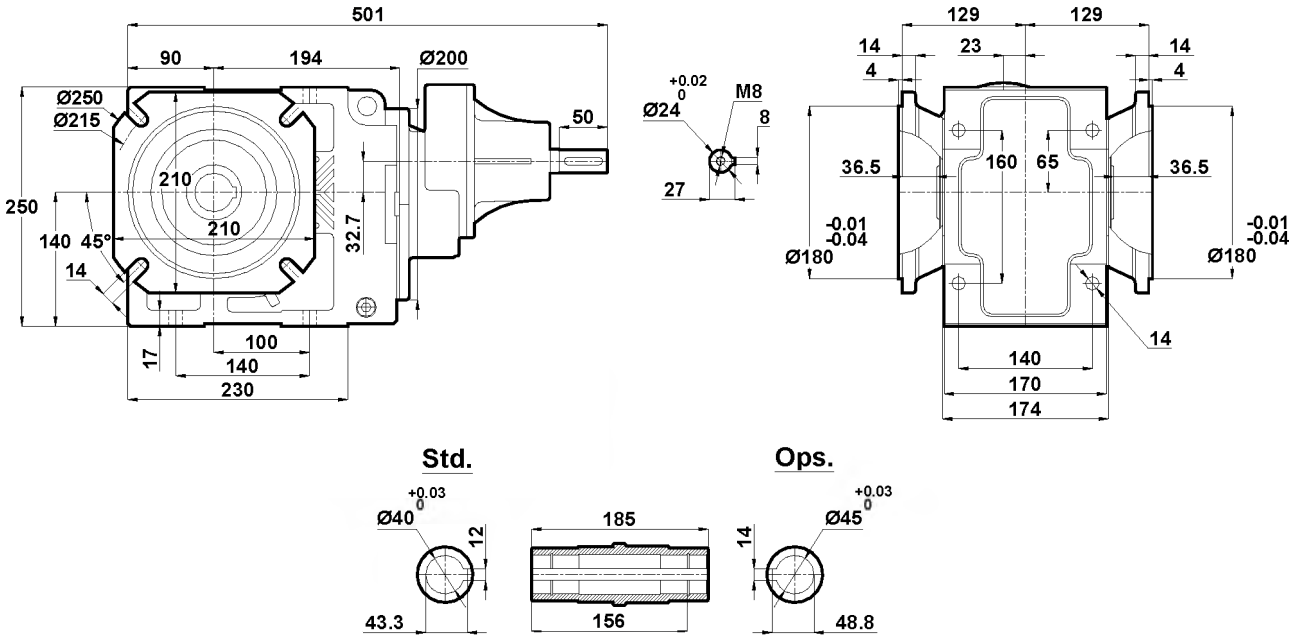


KT374.05



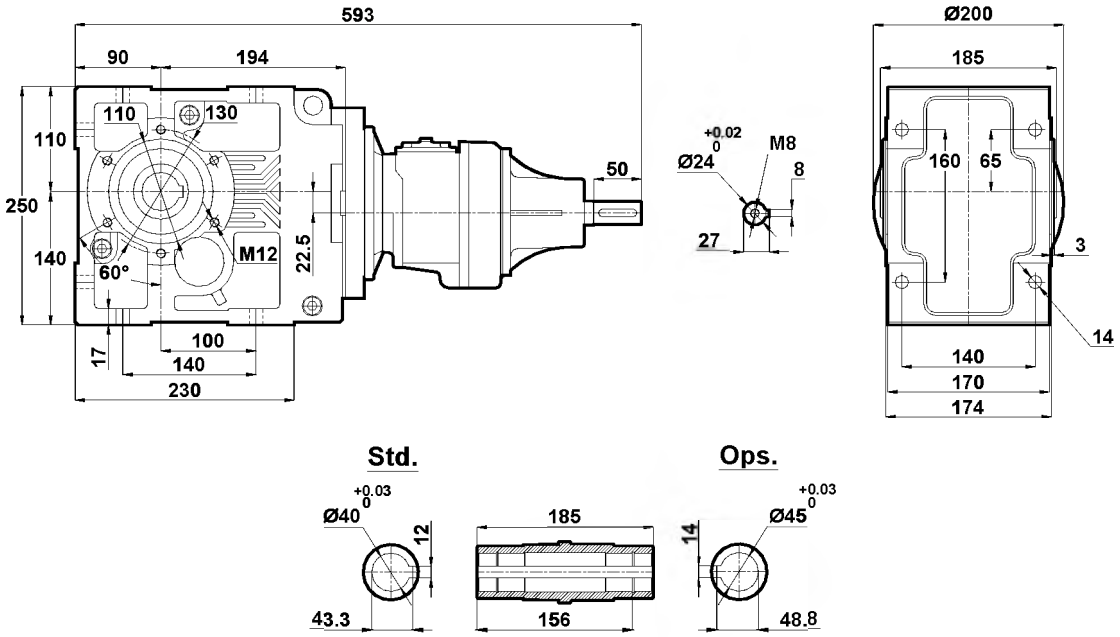
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT374.08

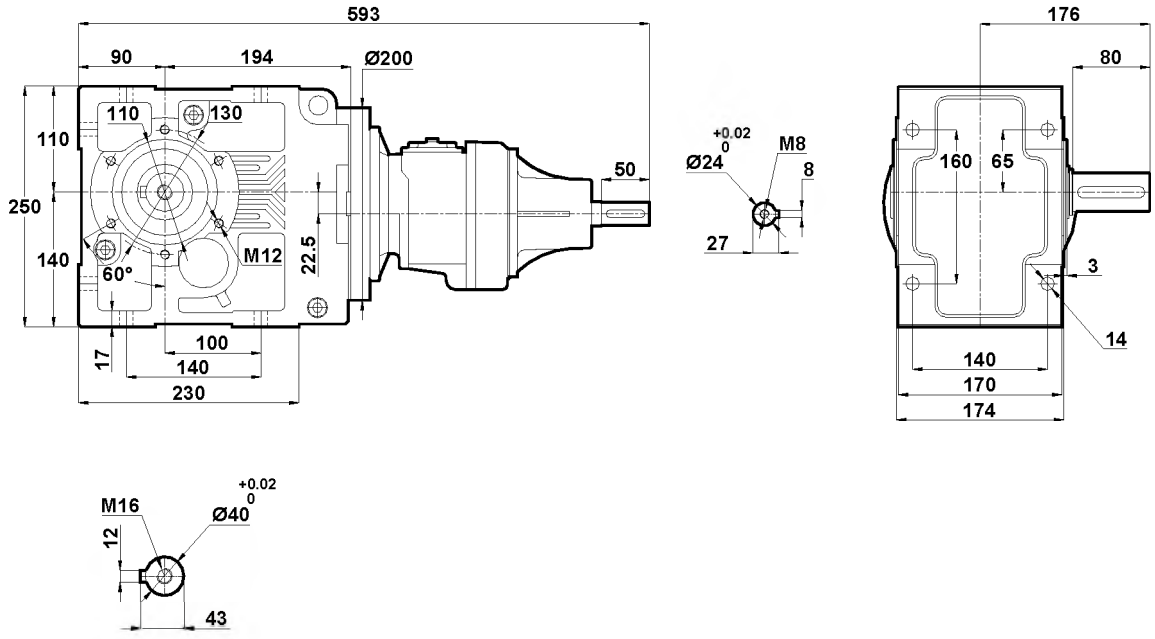


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT375.00
KT376.00

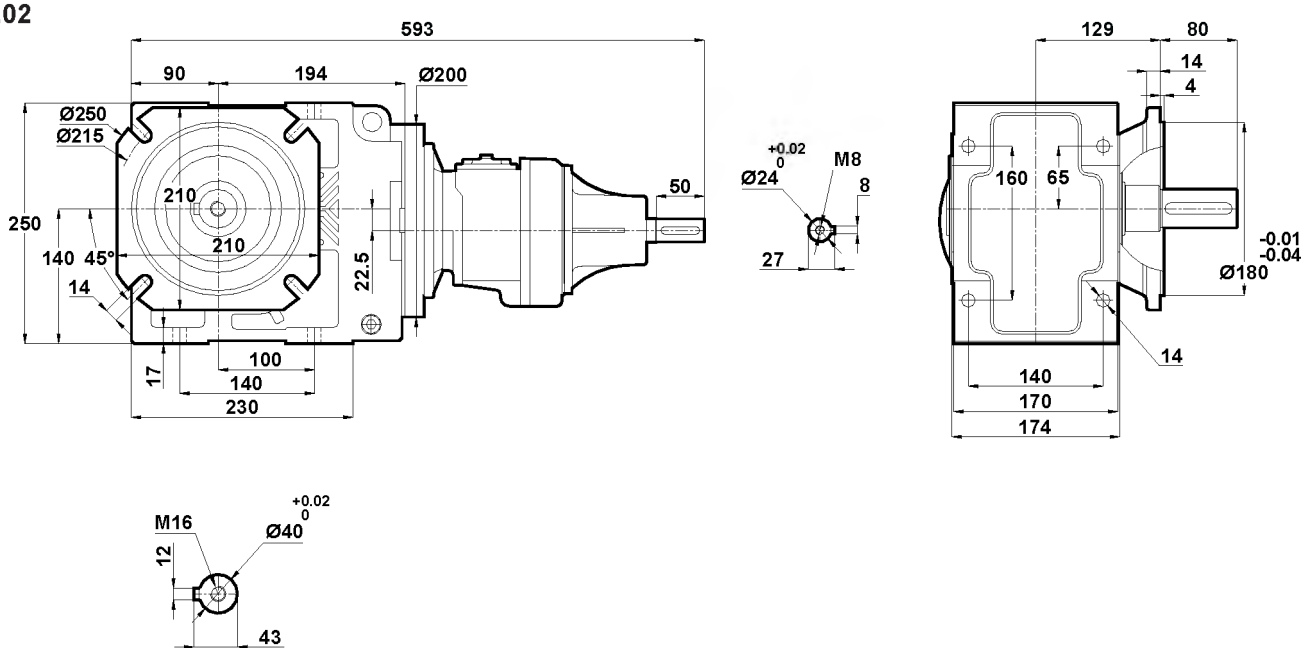


KT375.01
KT376.01

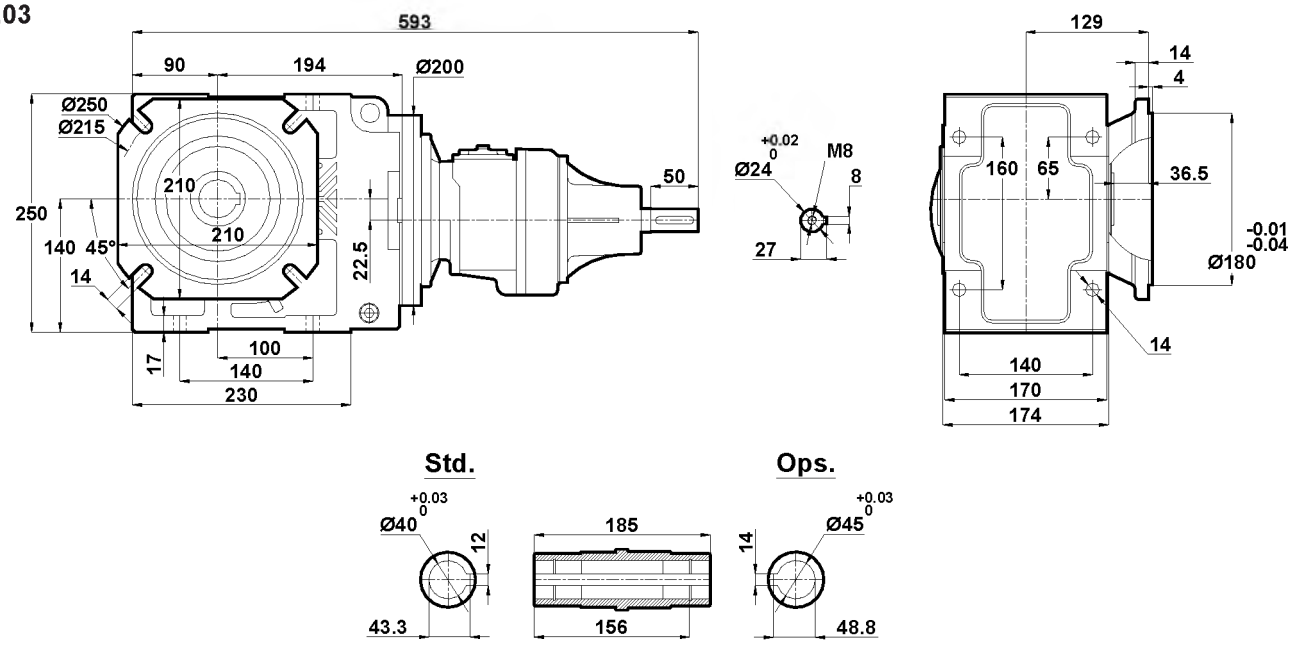


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT375.02
KT376.02

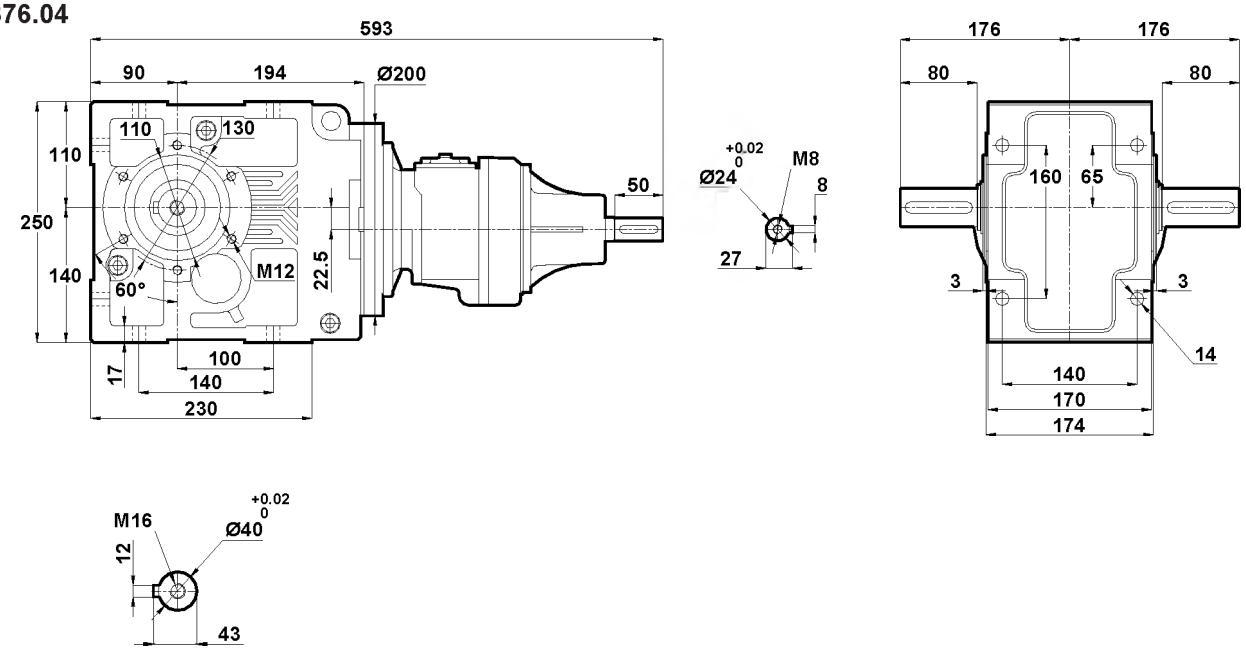


KT375.03
KT376.03

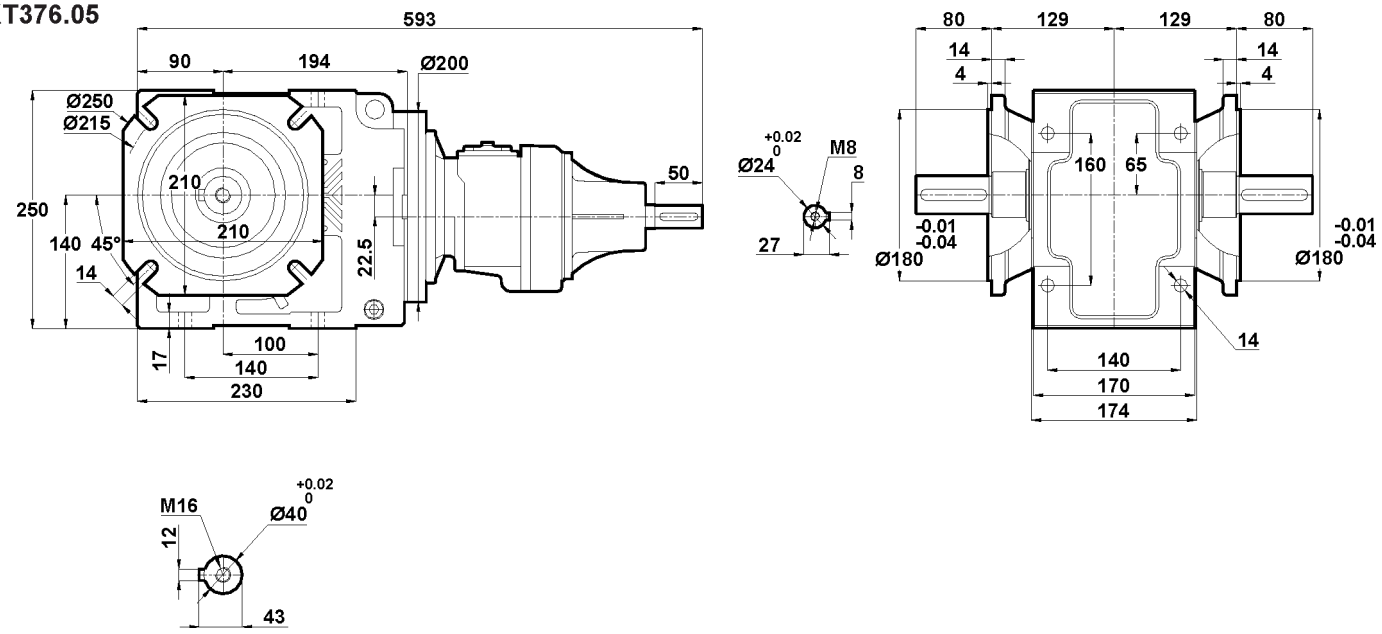


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT375.04
KT376.04

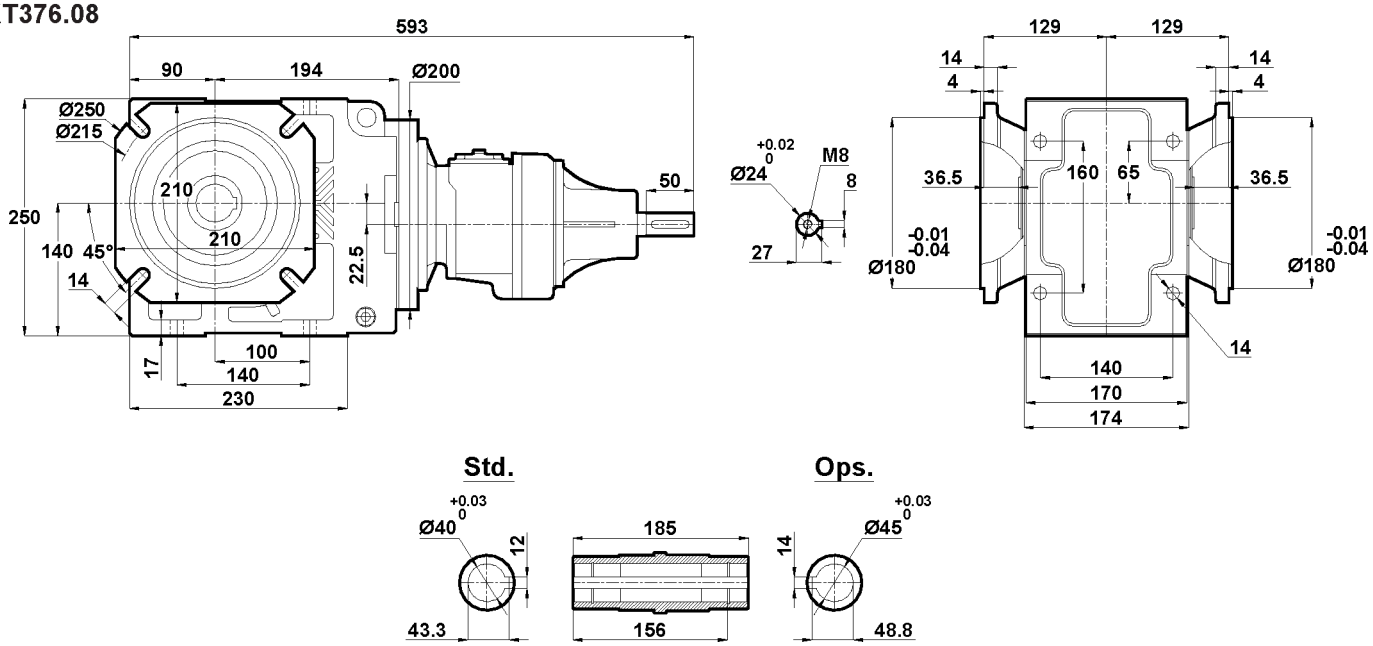


KT375.05
KT376.05



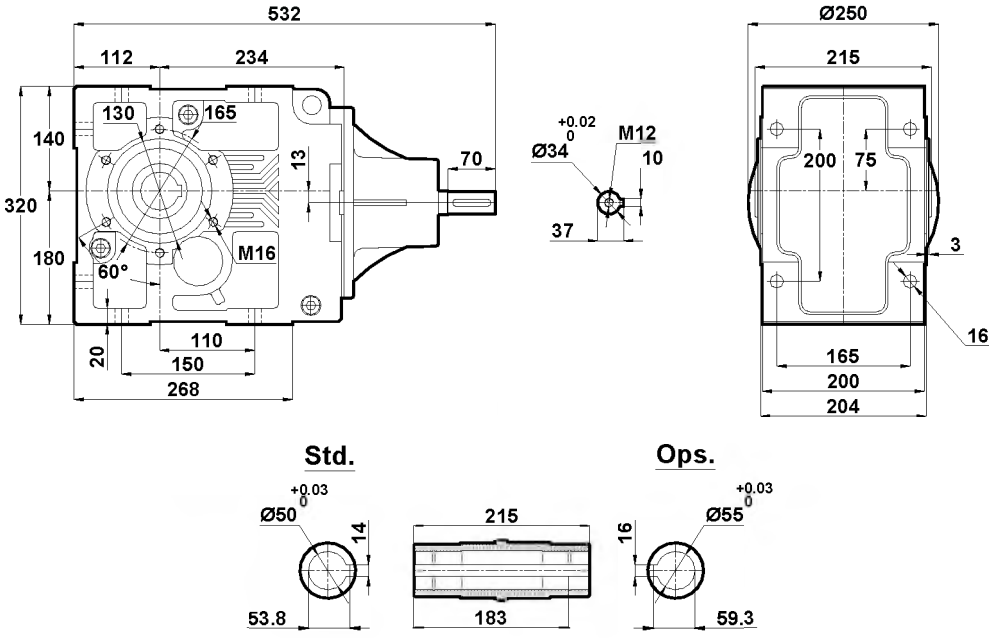
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT375.08
KT376.08

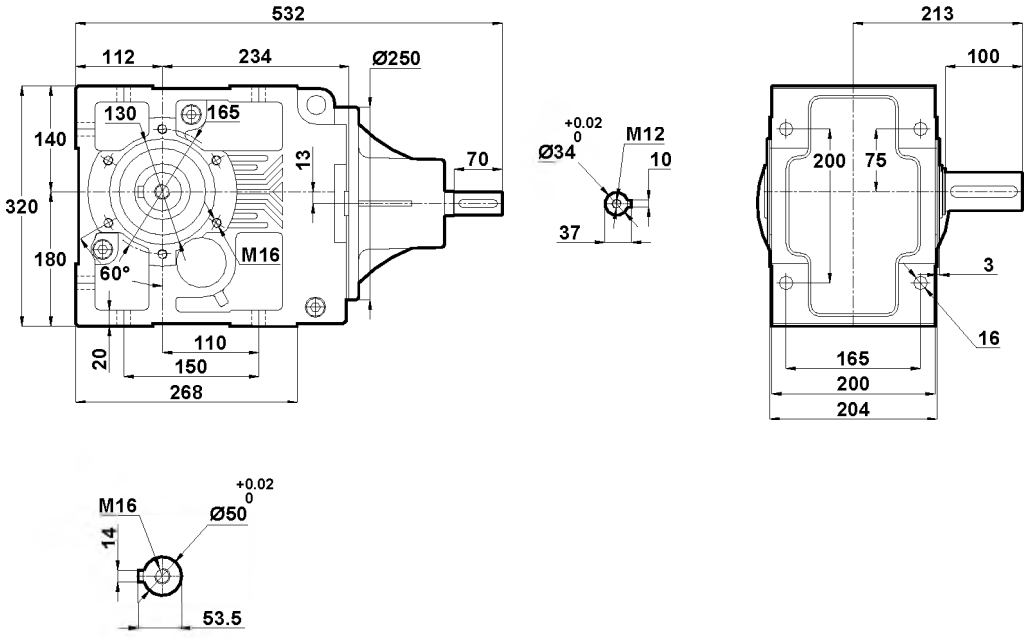


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT473.00

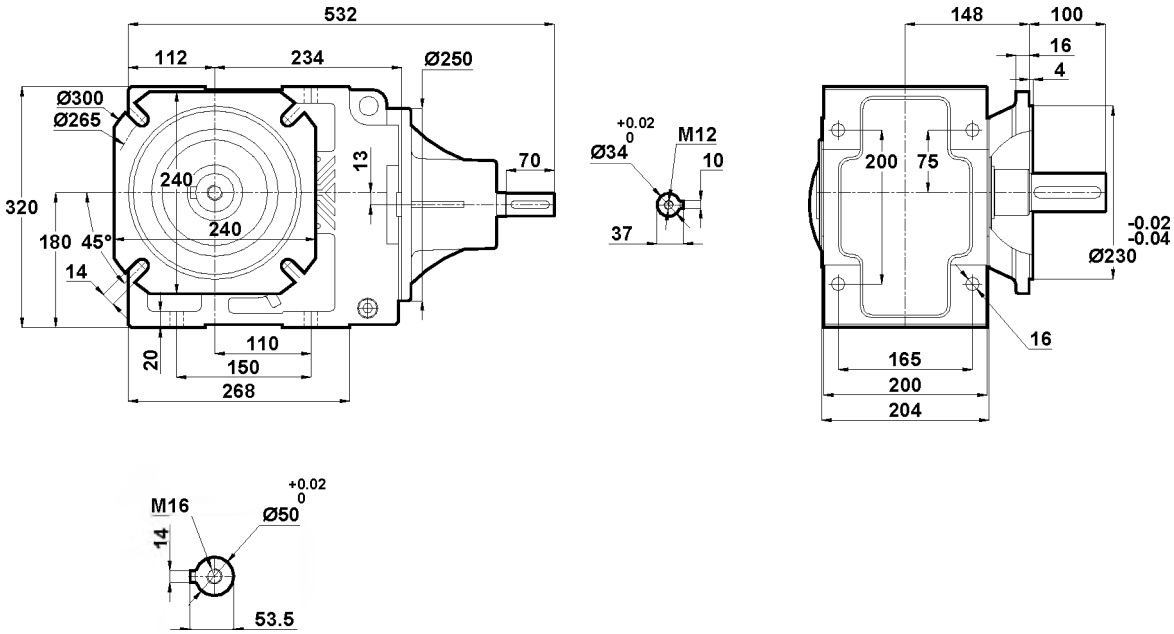


KT473.01

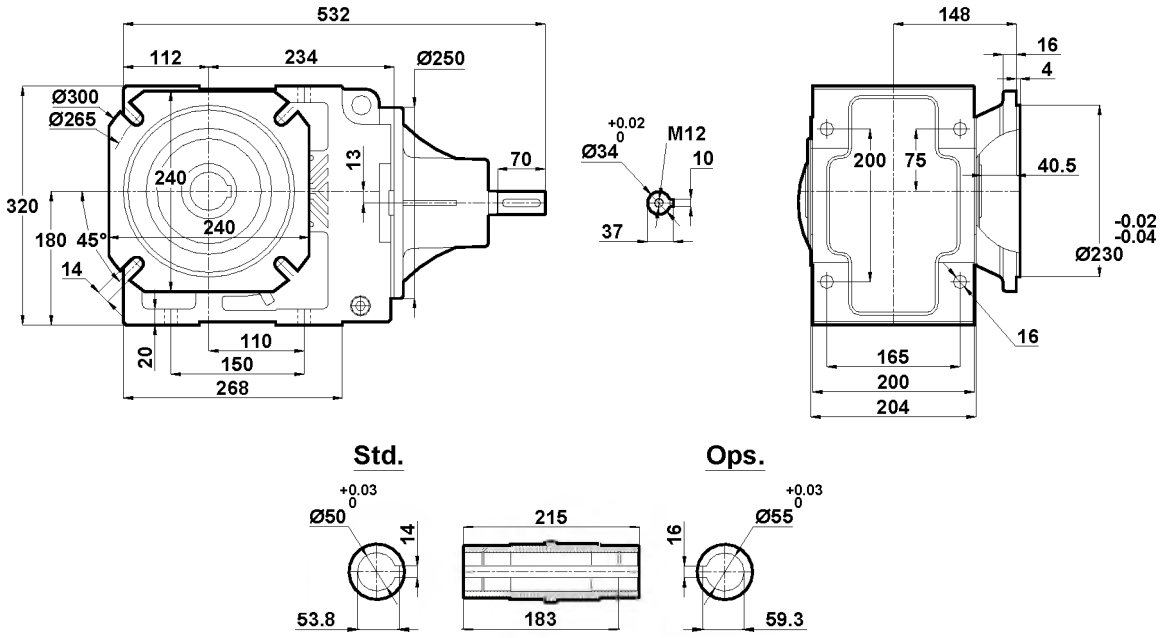


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT473.02

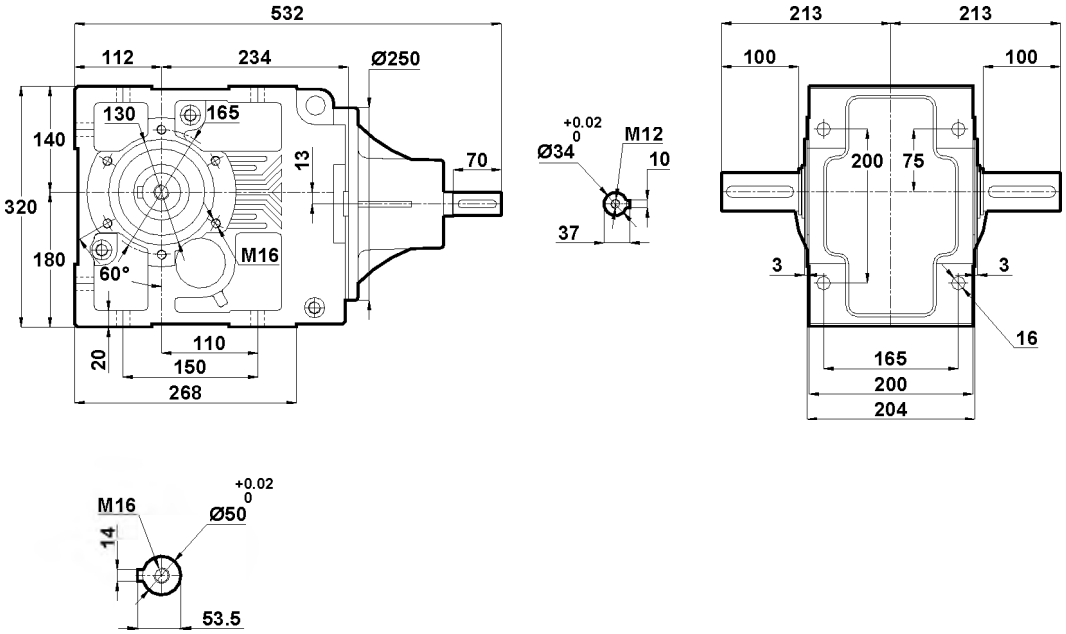


KT473.03

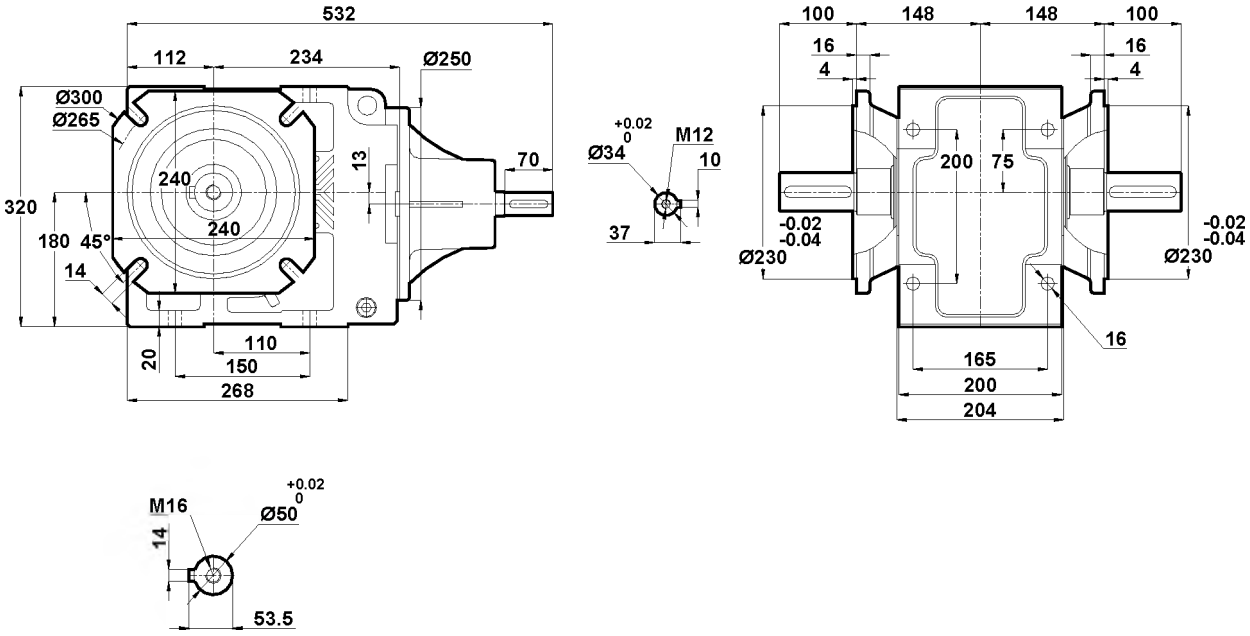


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT473.04

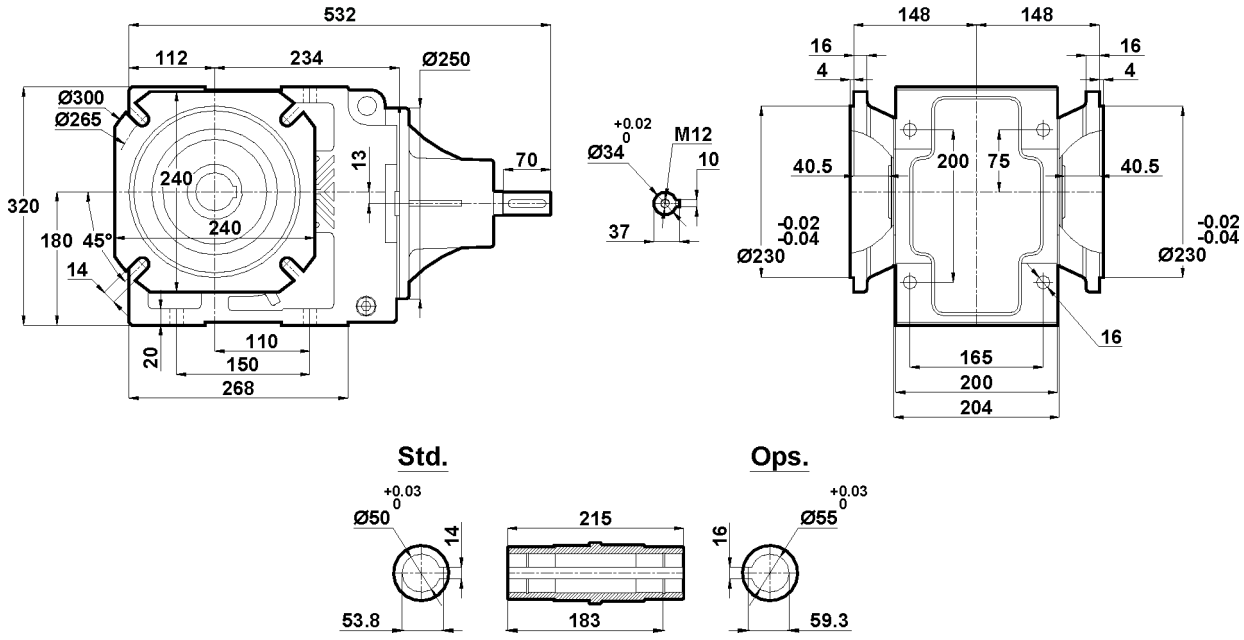


KT473.05



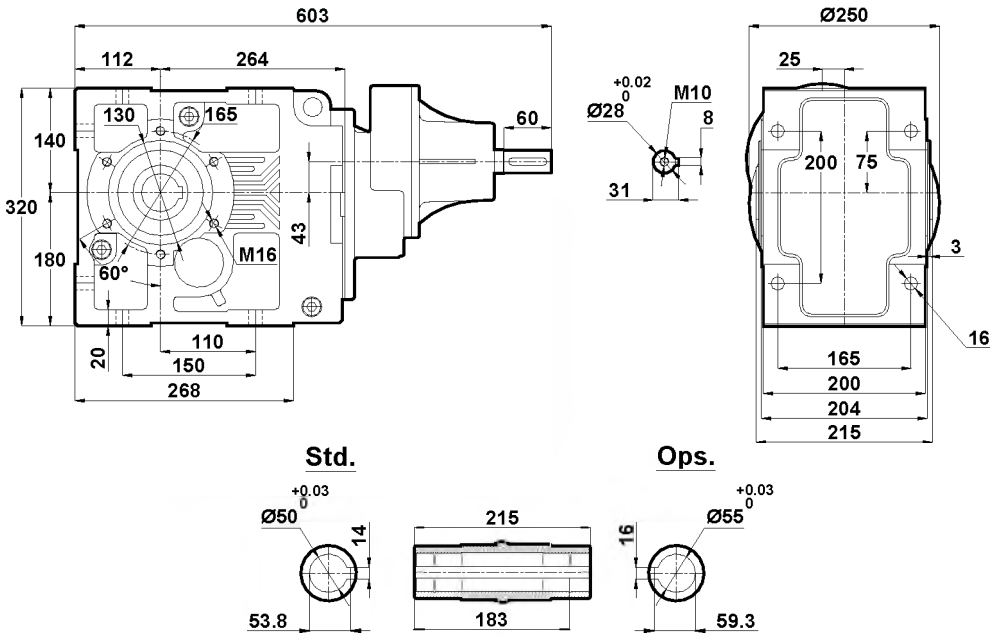
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT473.08

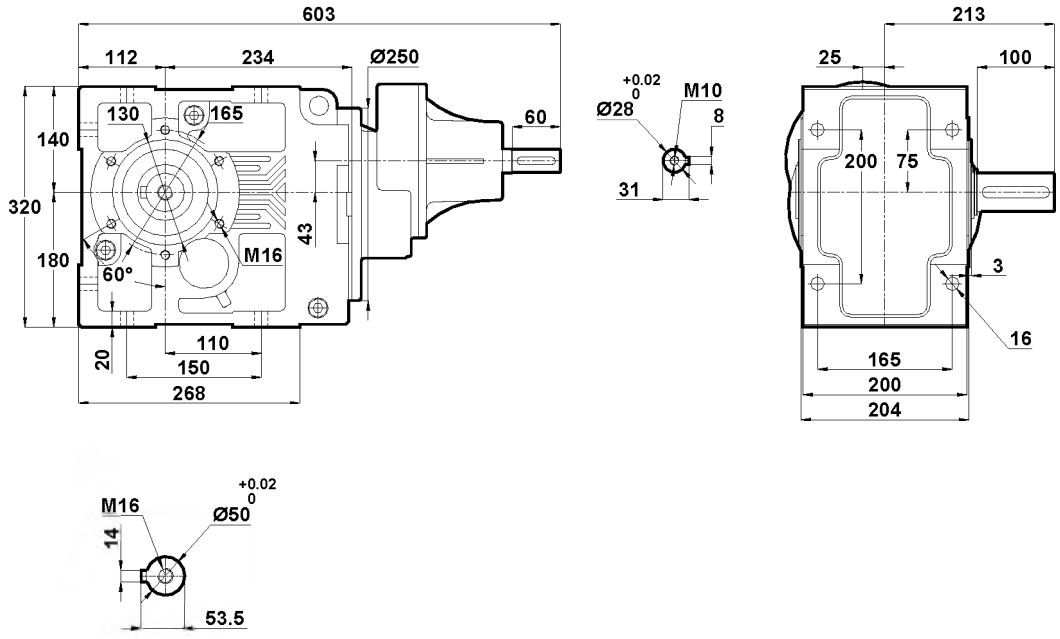


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT474.00

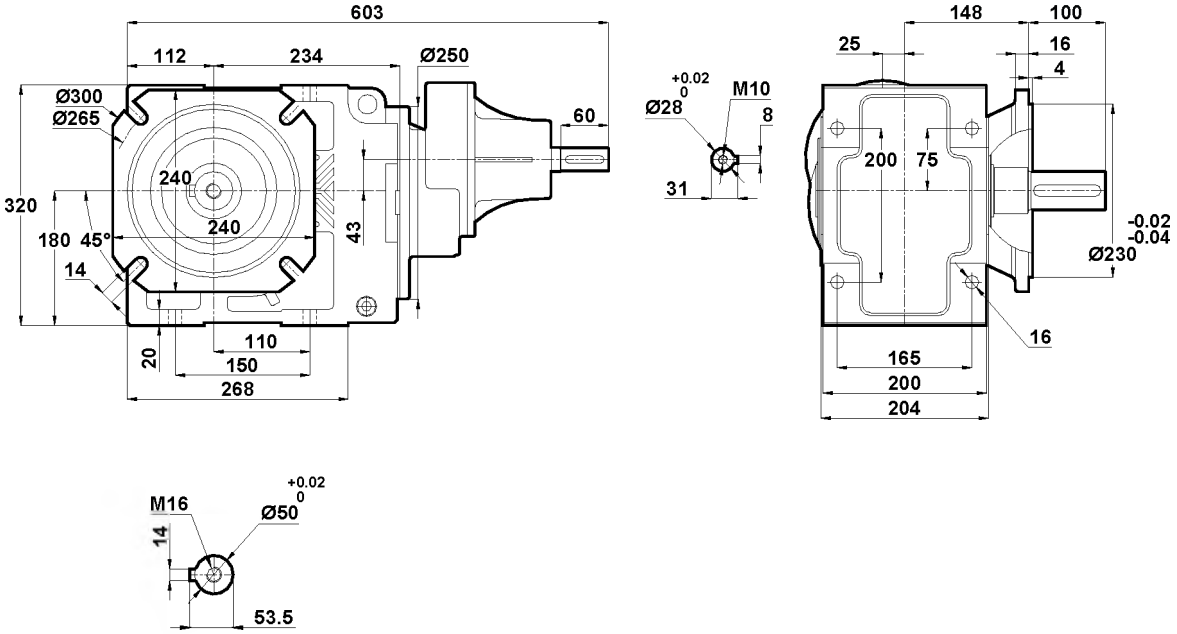


KT474.01

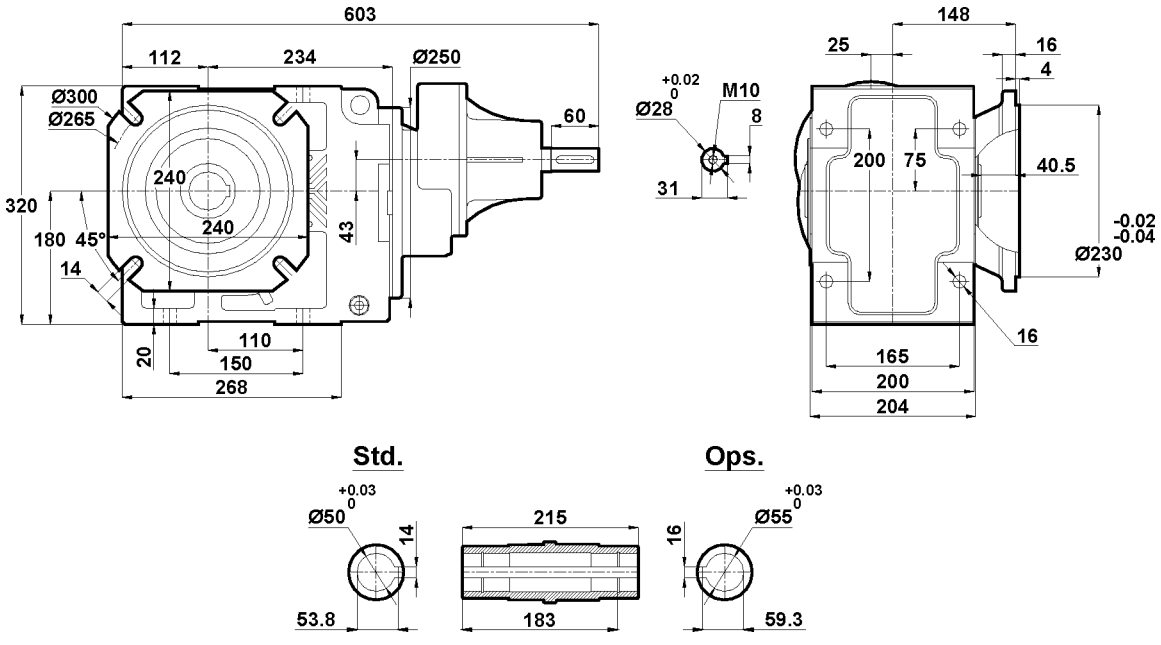


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT474.02

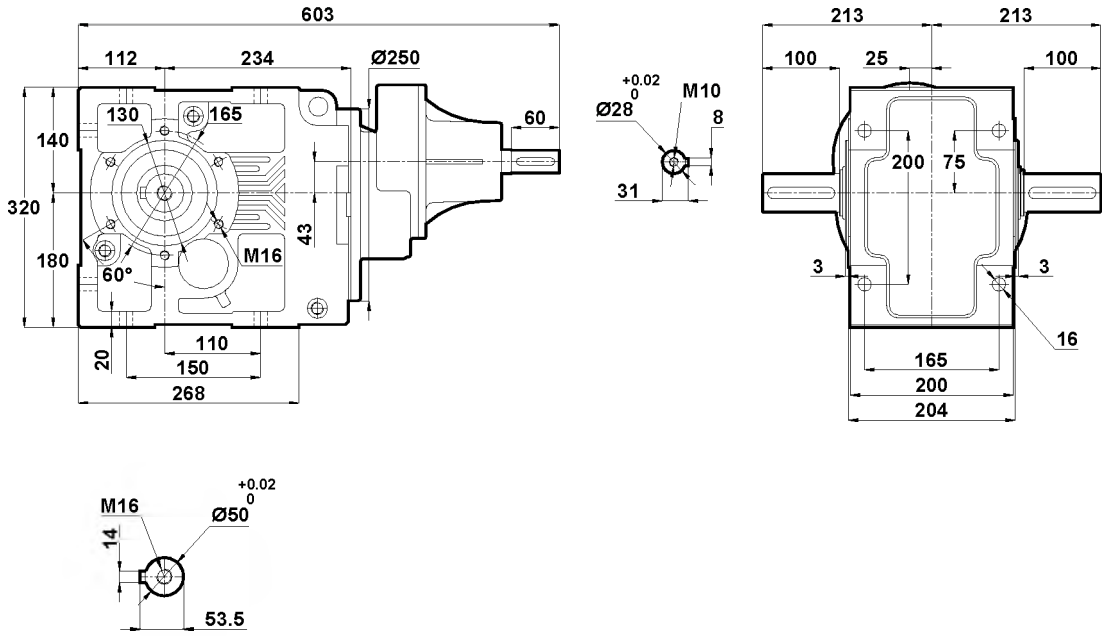


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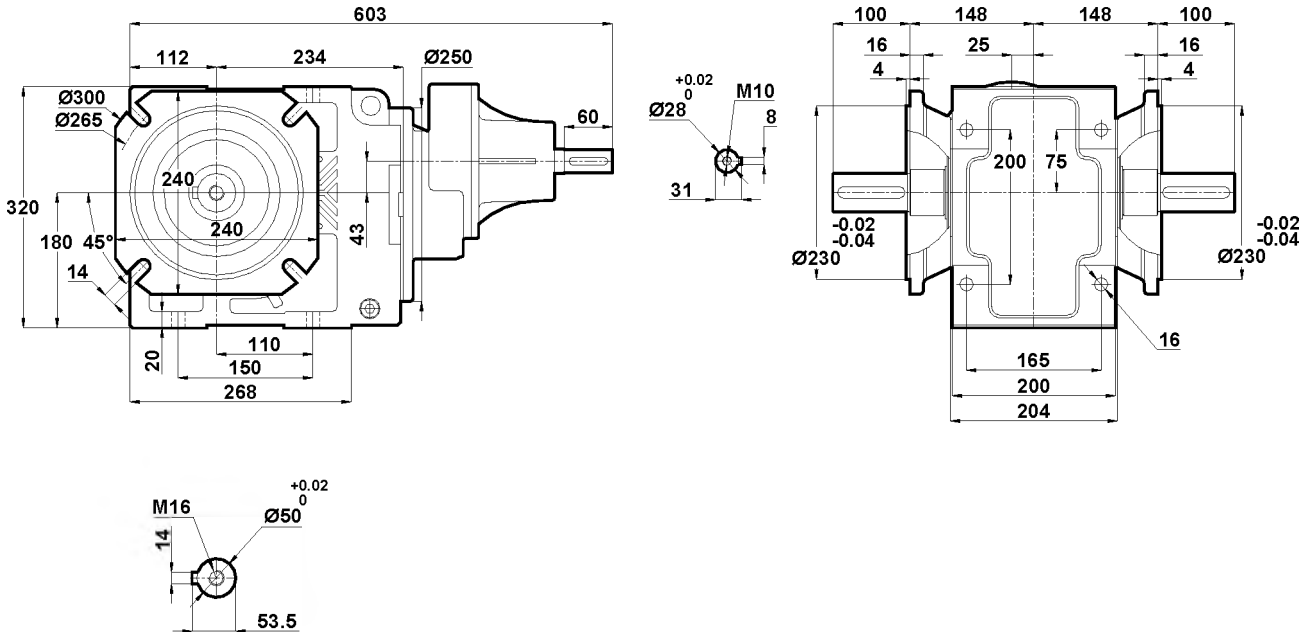


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT474.04

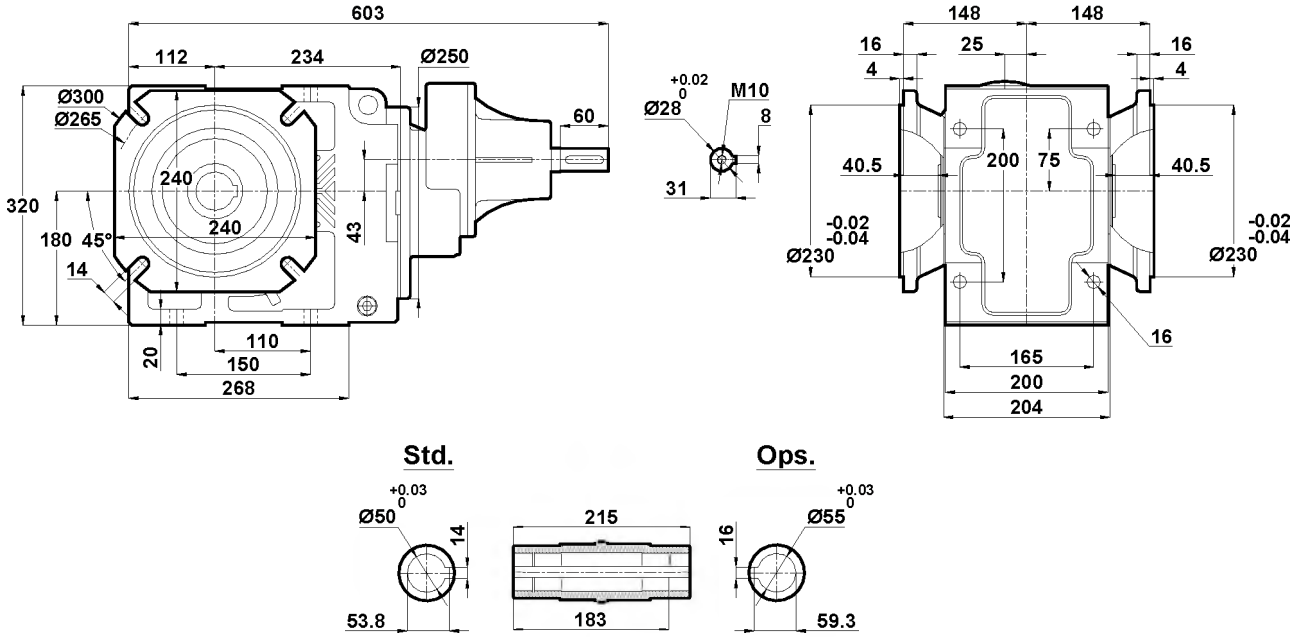


KT474.05



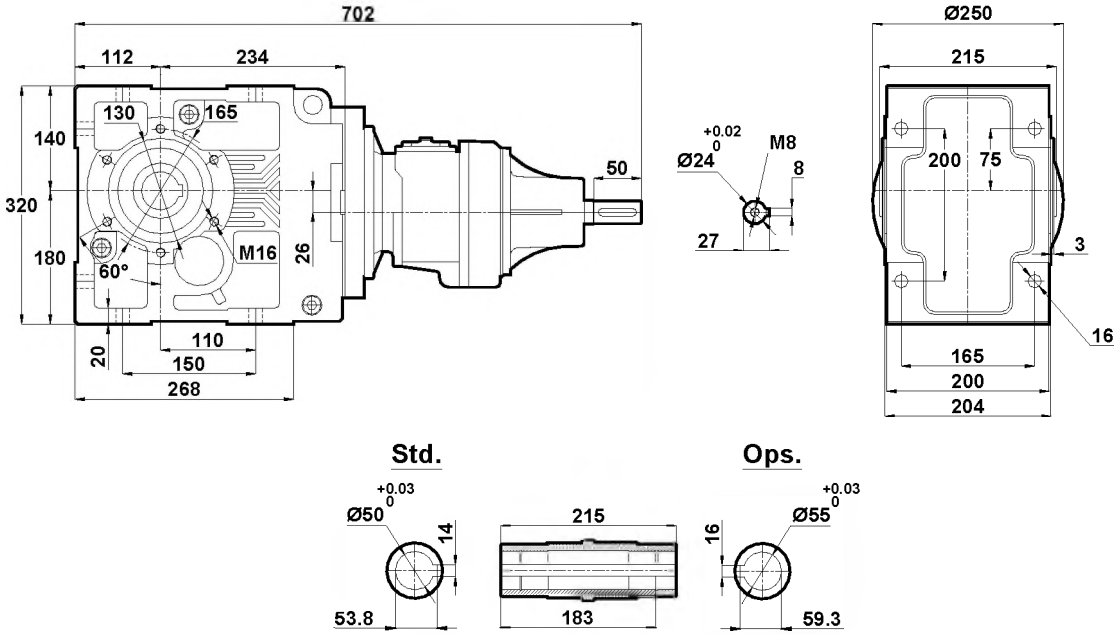
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT474.08

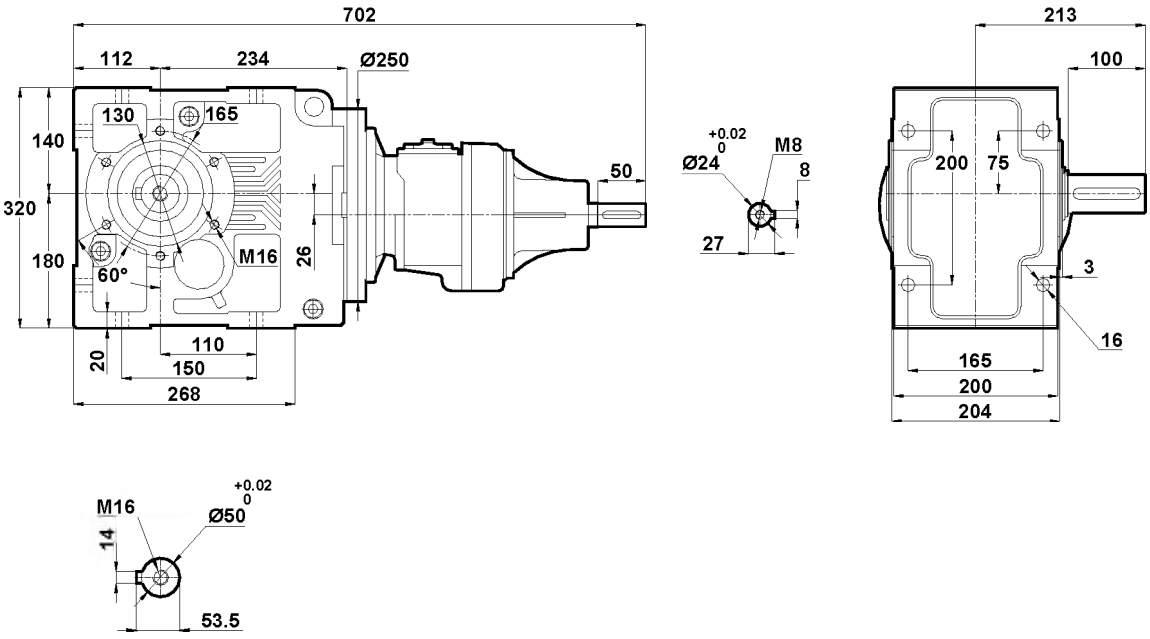


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT475.00
KT476.00

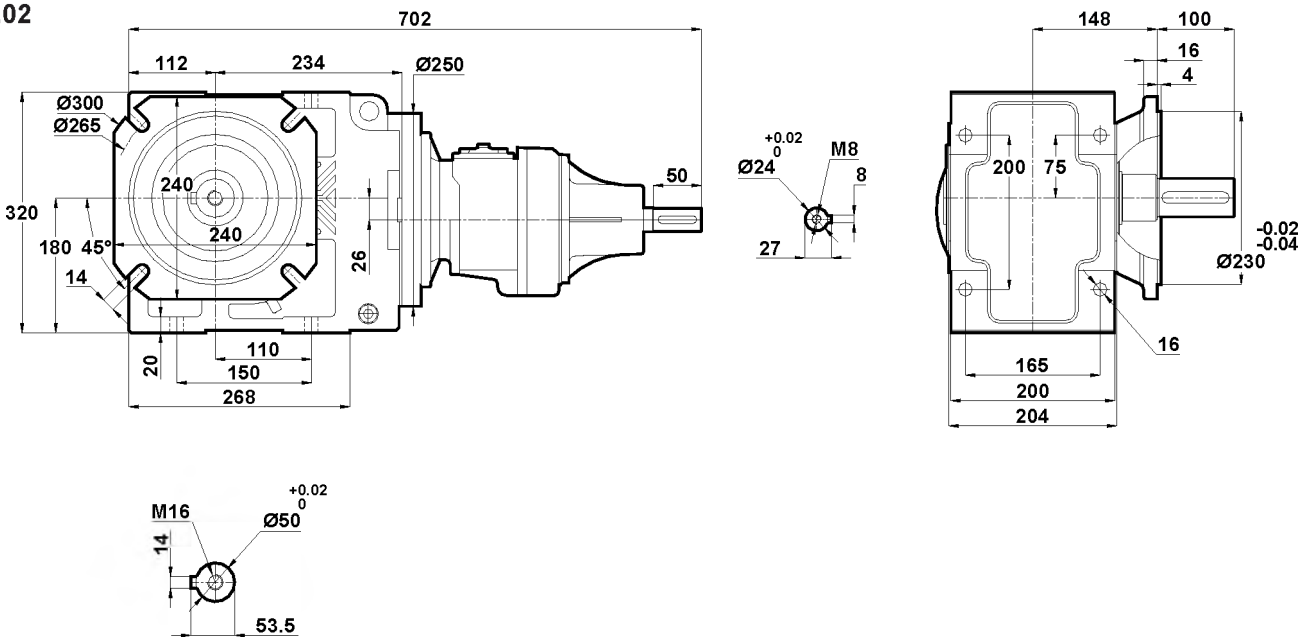


KT475.01
KT476.01

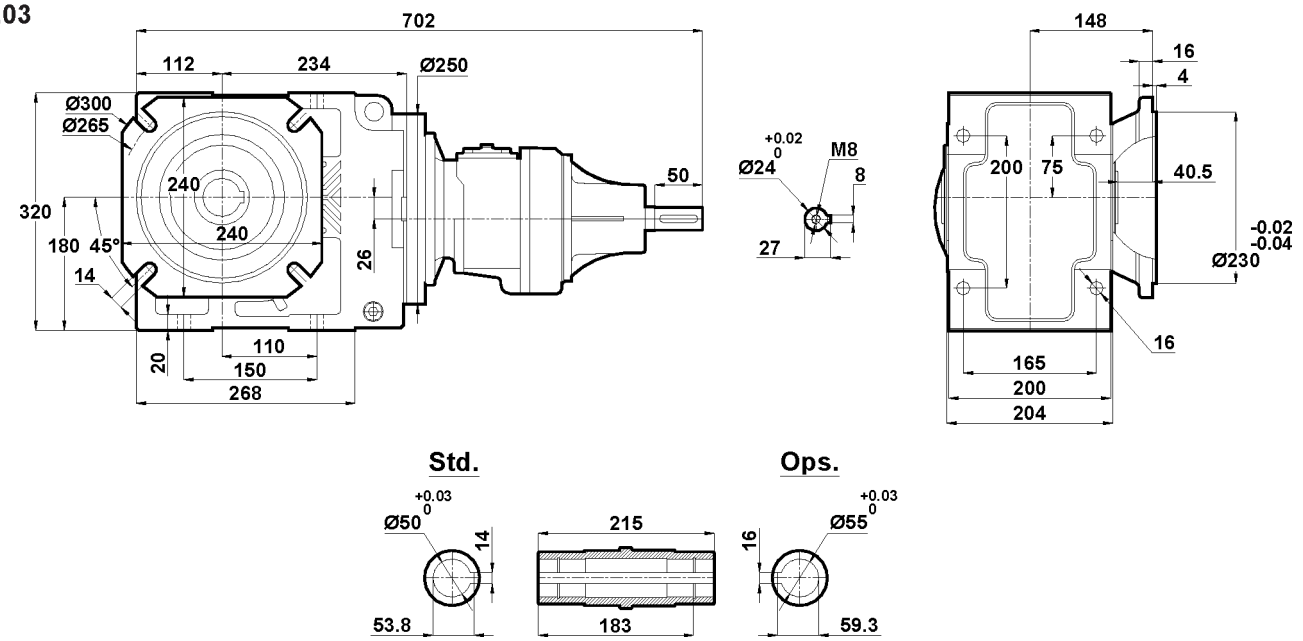


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT475.02
KT476.02



KT475.03
KT476.03

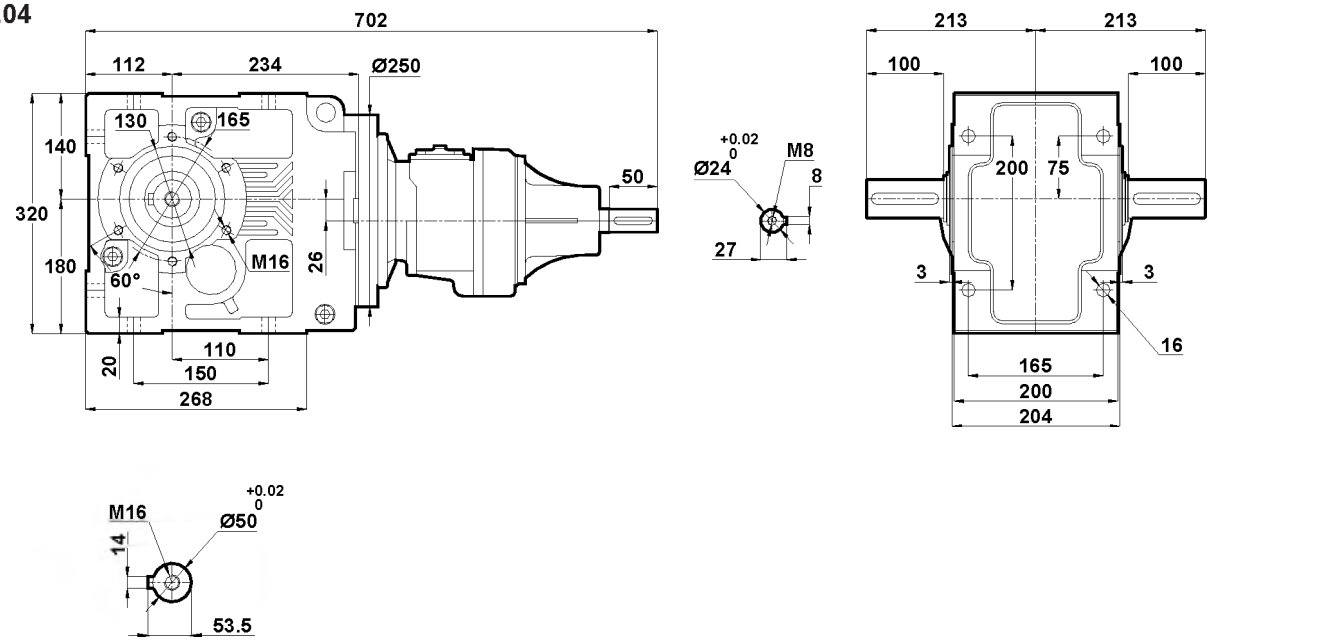


Std.

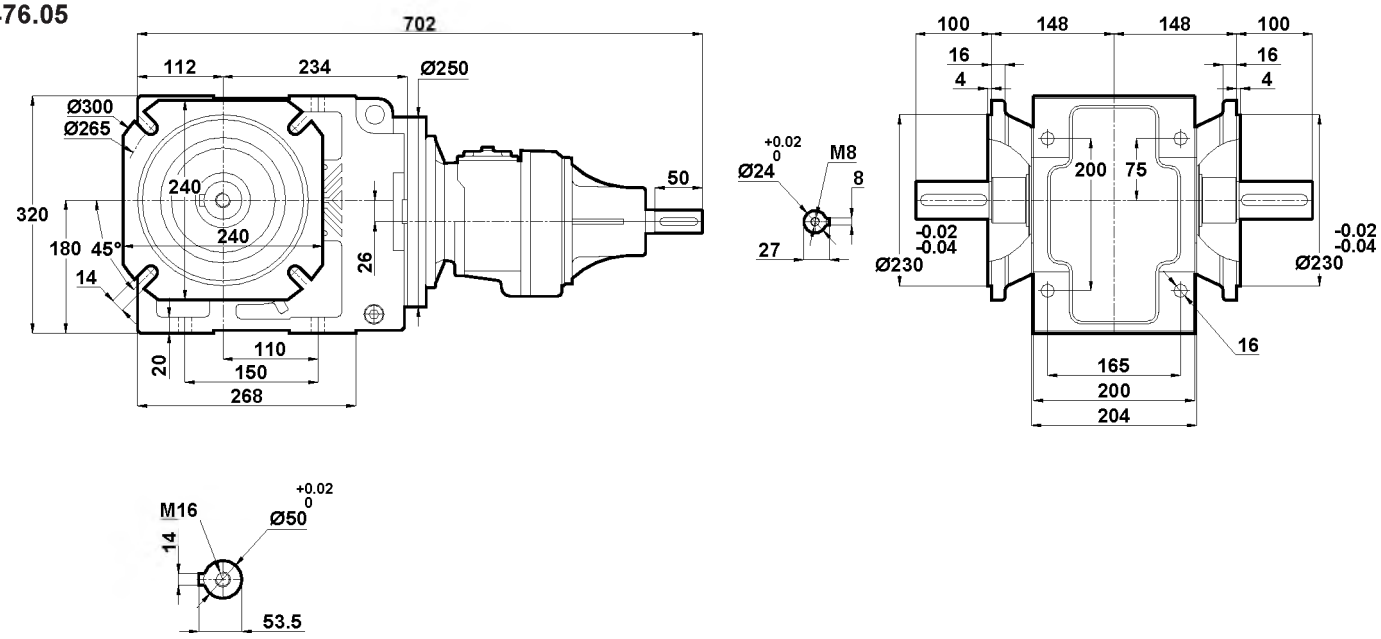
Ops.

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT475.04
KT476.04

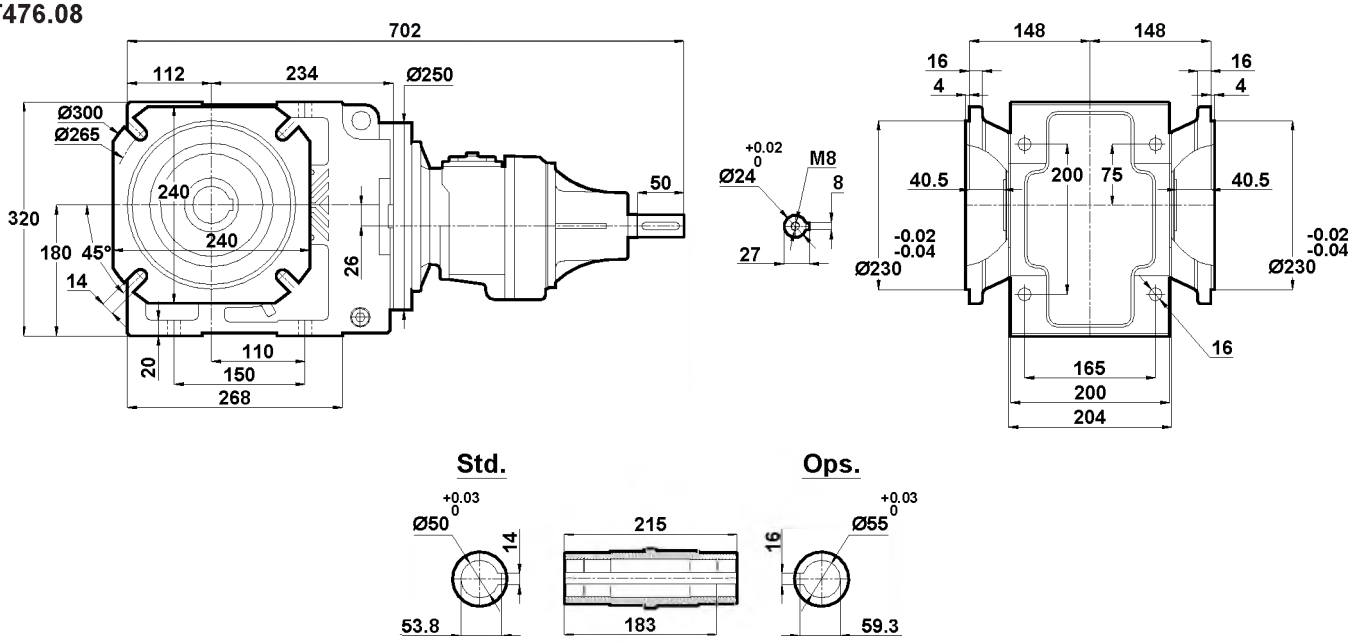


KT475.05
KT476.05



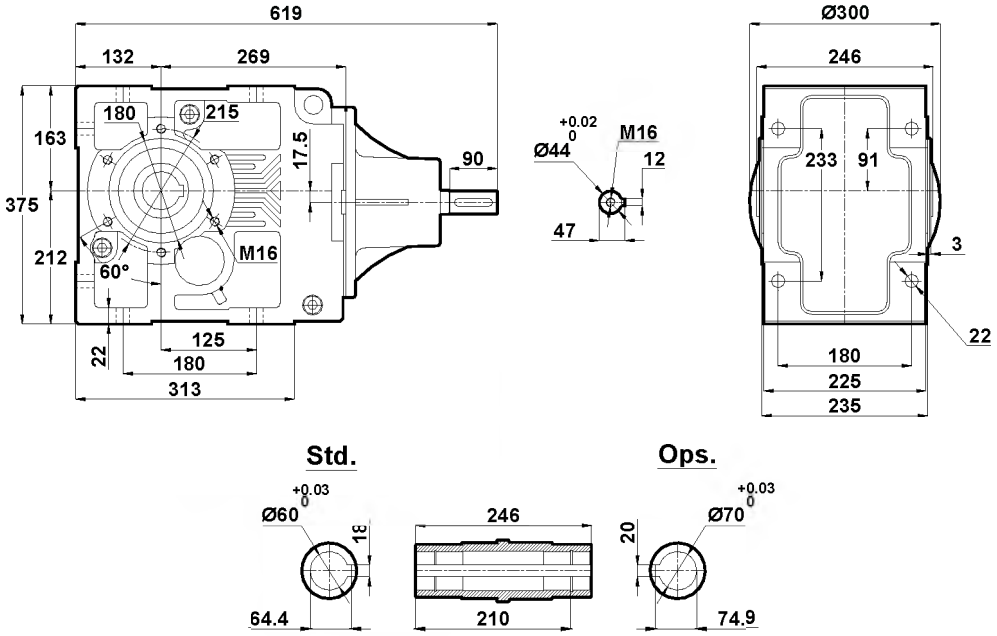
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT475.08
KT476.08

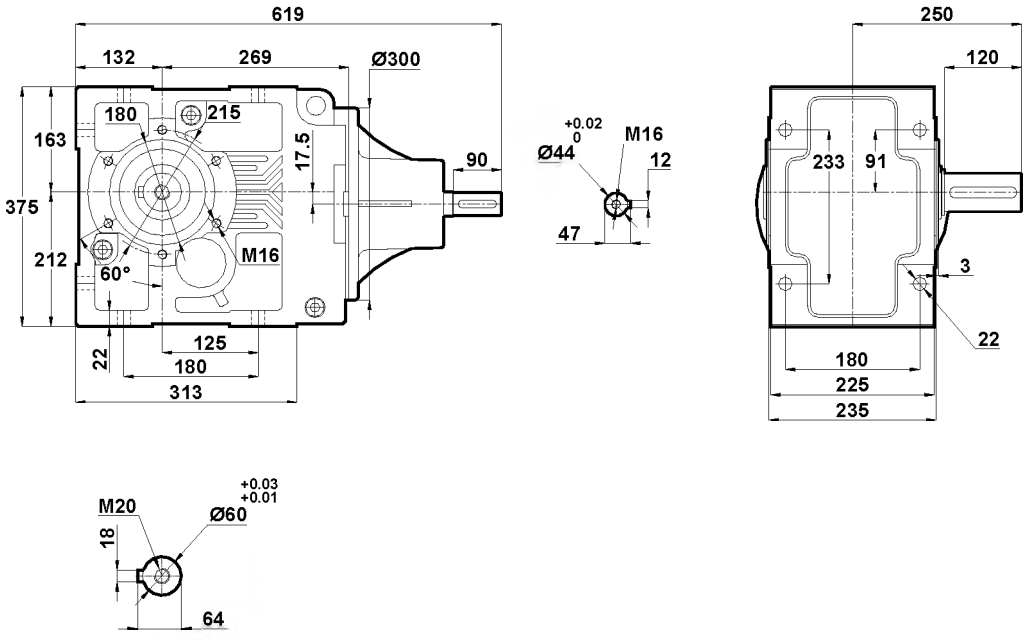


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT573.00

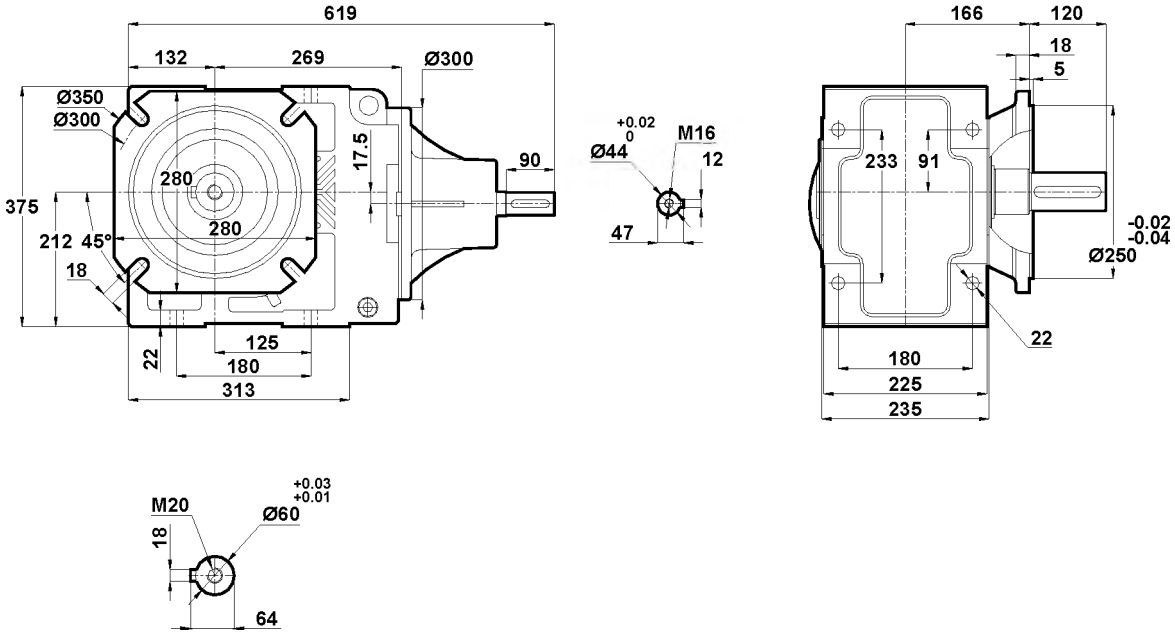


KT573.01

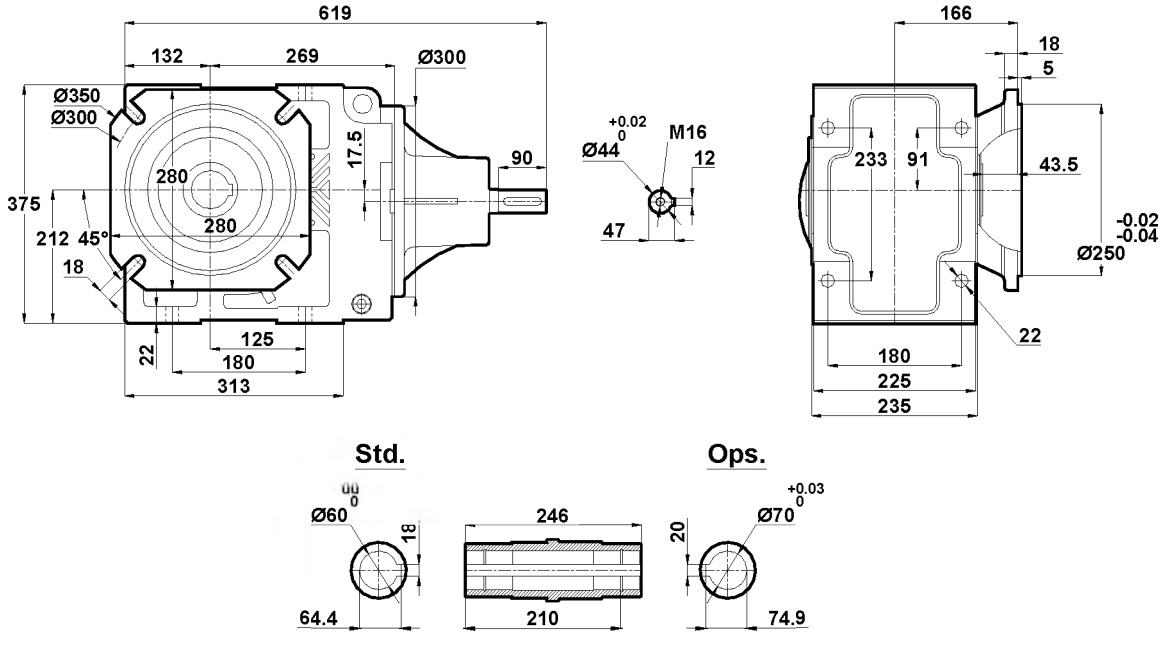


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT573.02

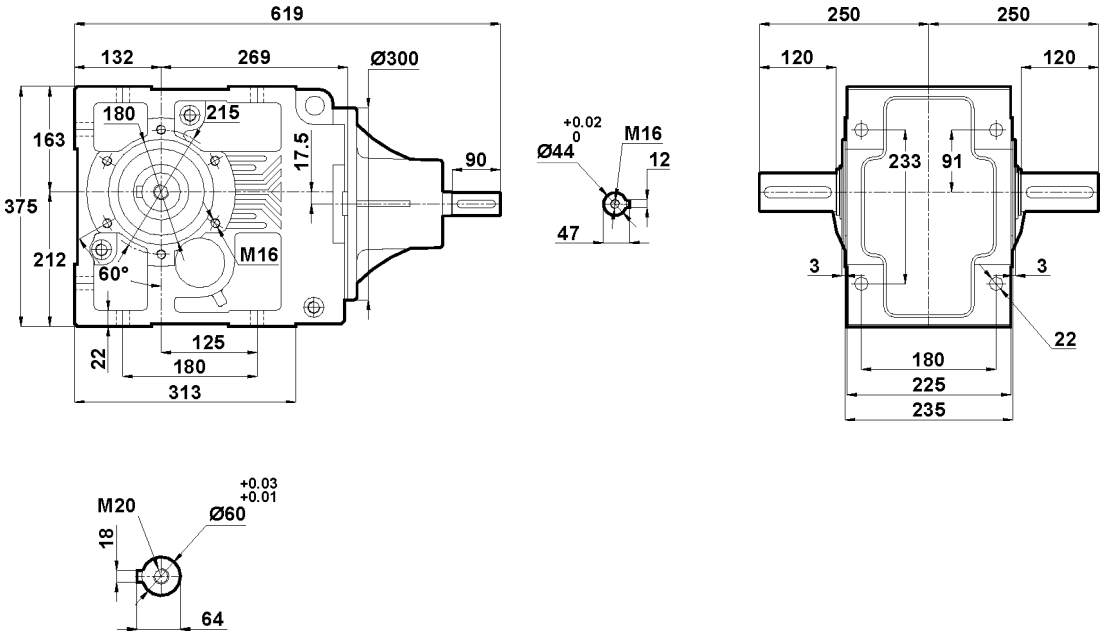


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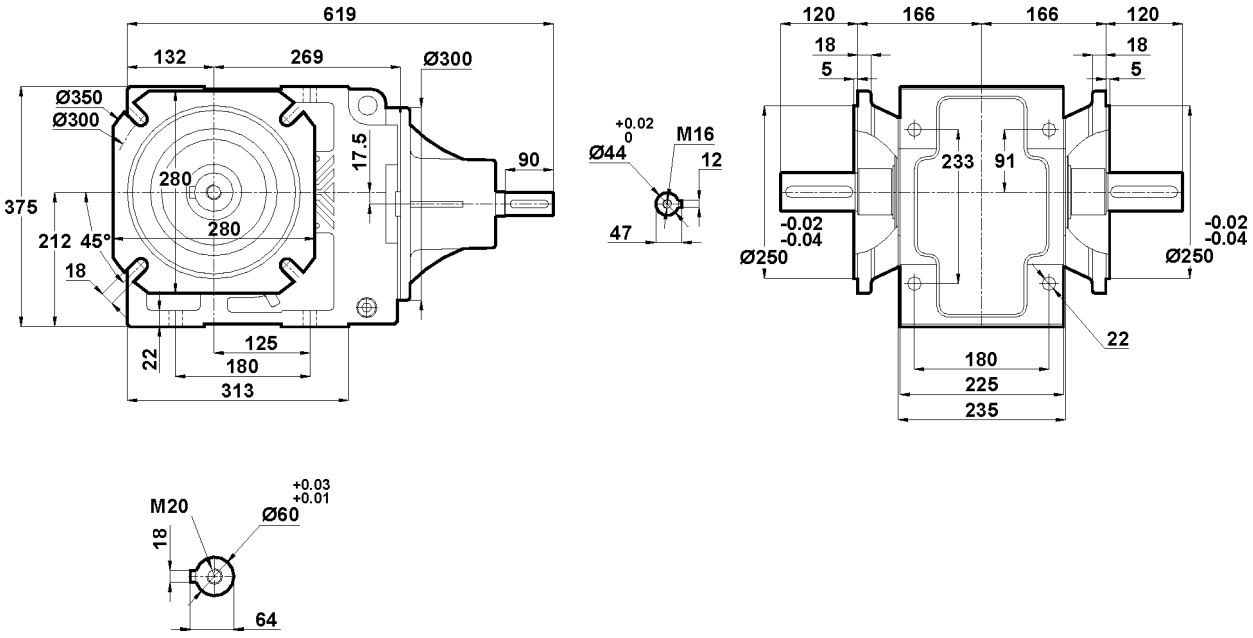


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT573.04

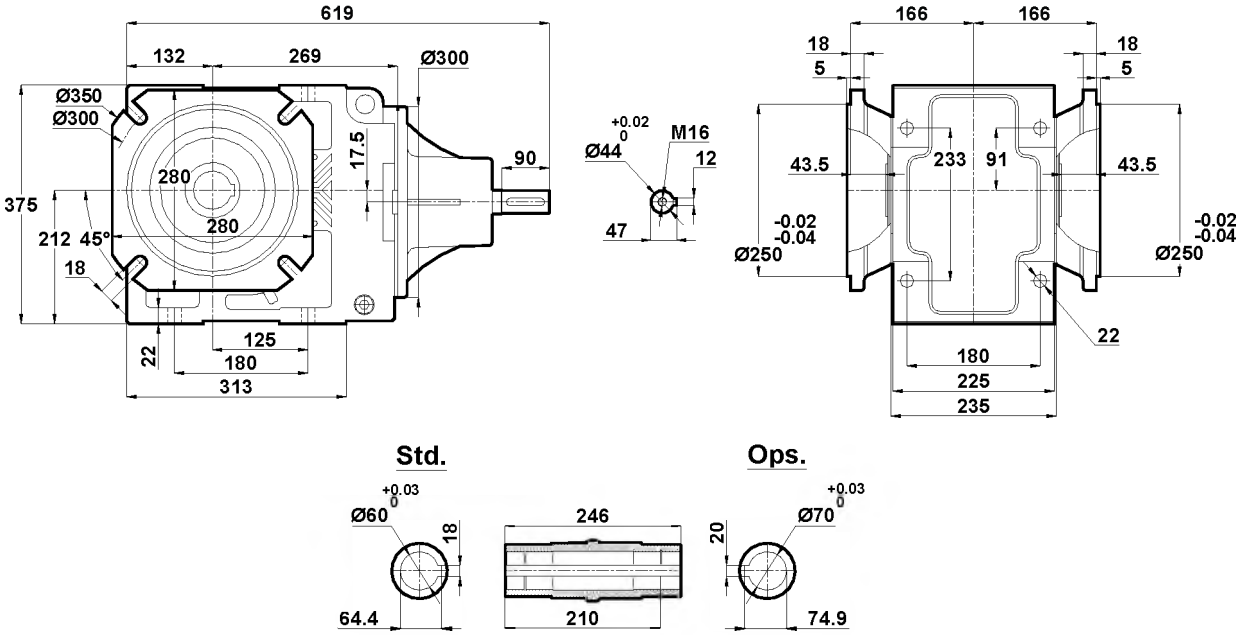


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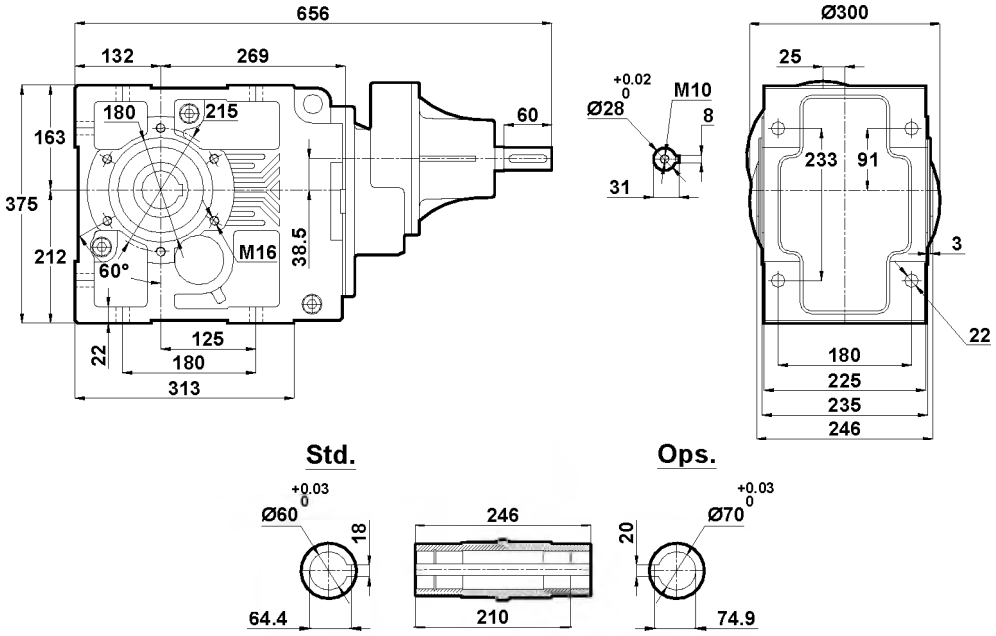
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT573.08

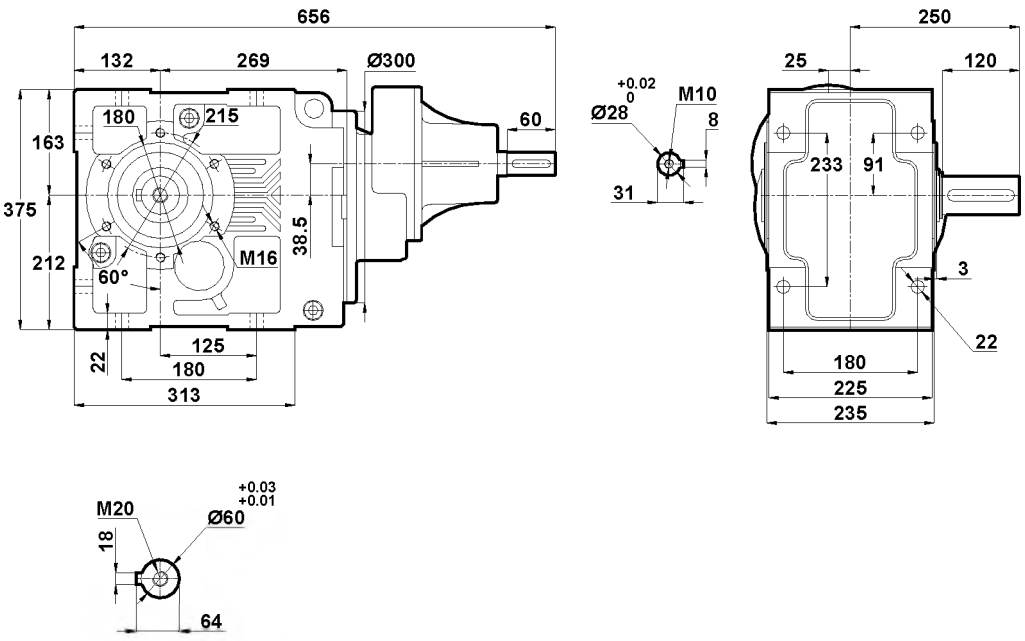


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT574.00

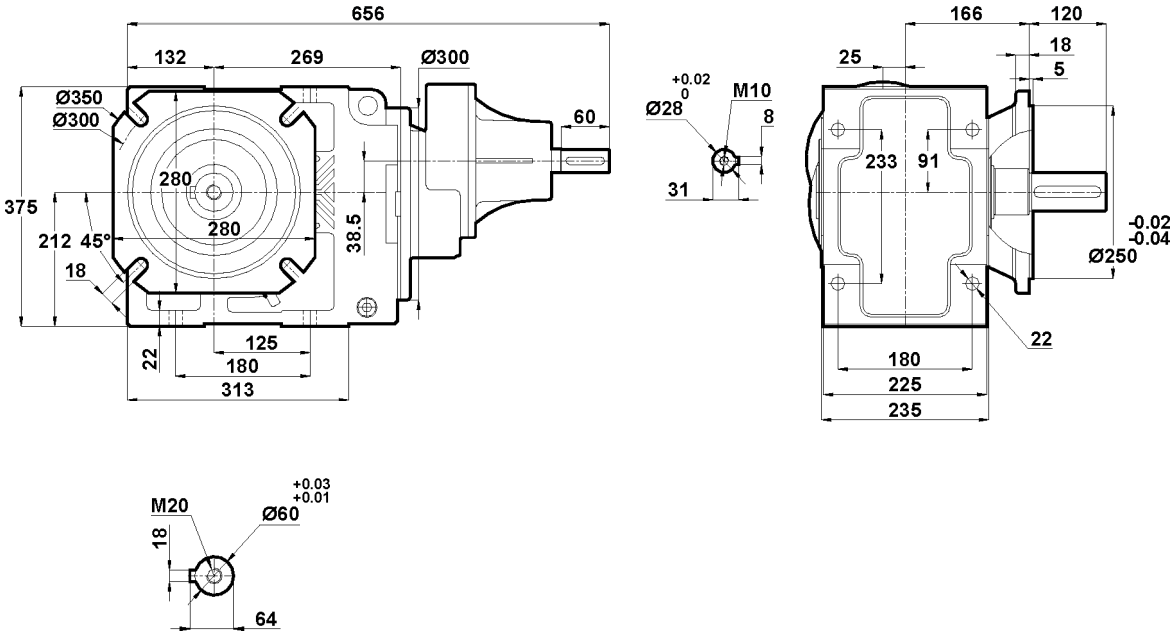


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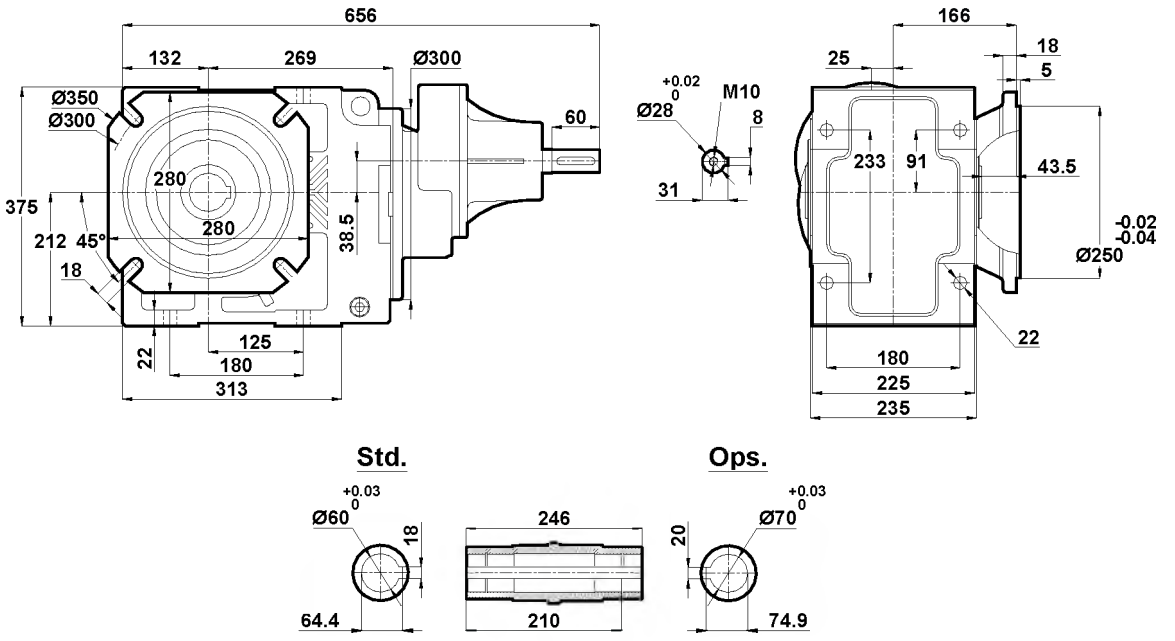


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT574.02

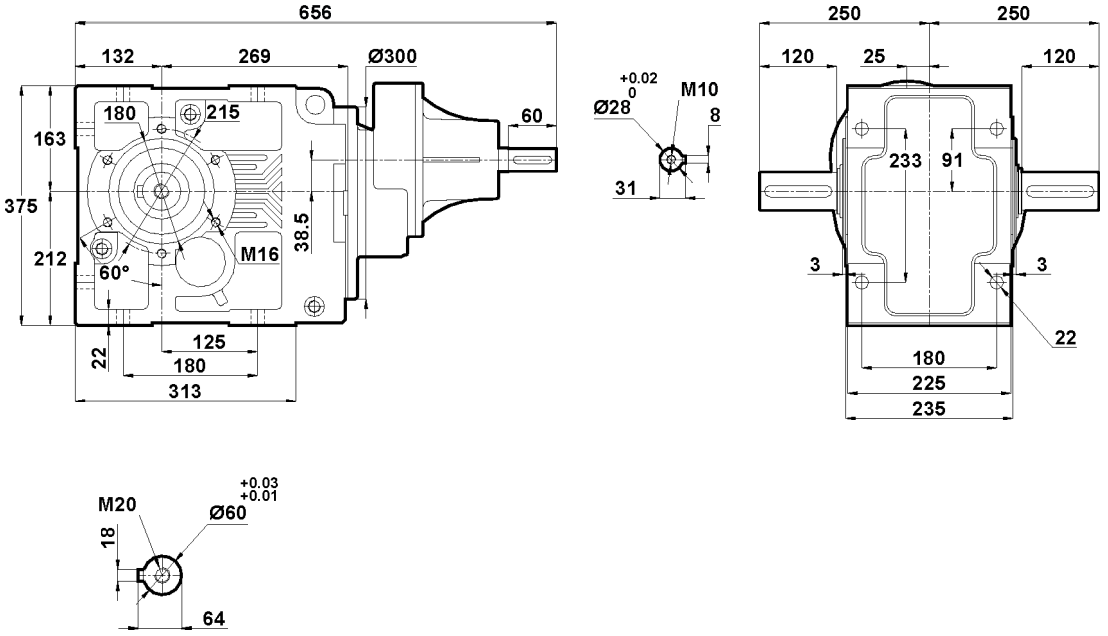


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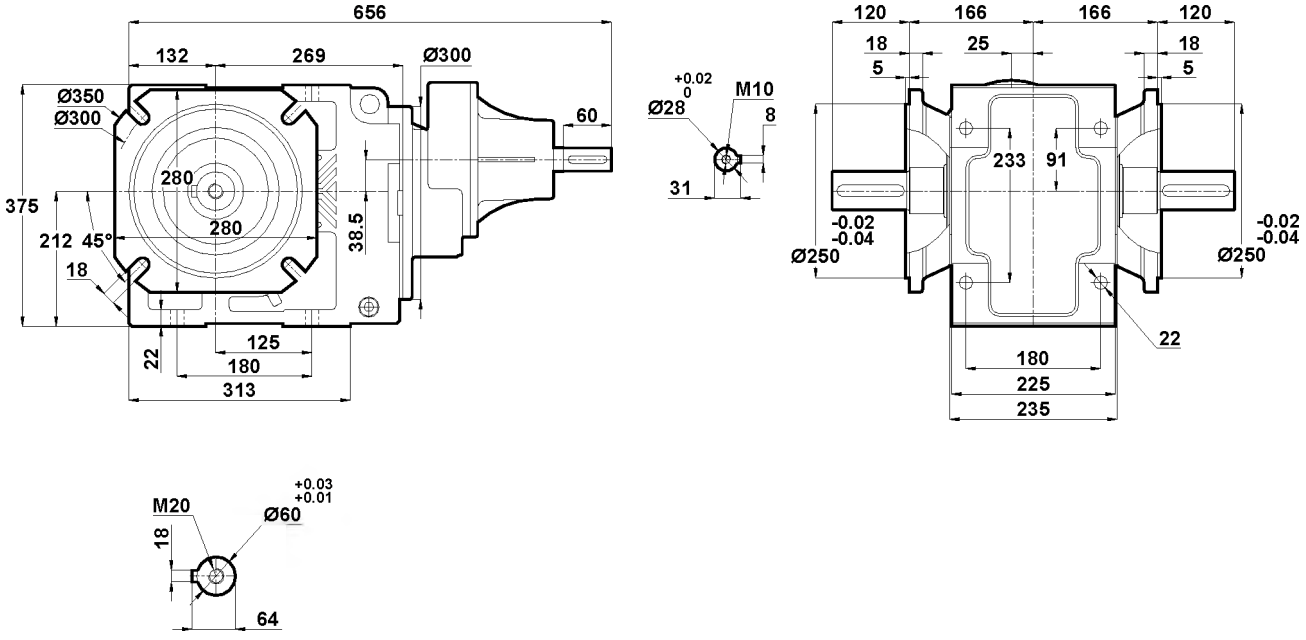


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT574.04

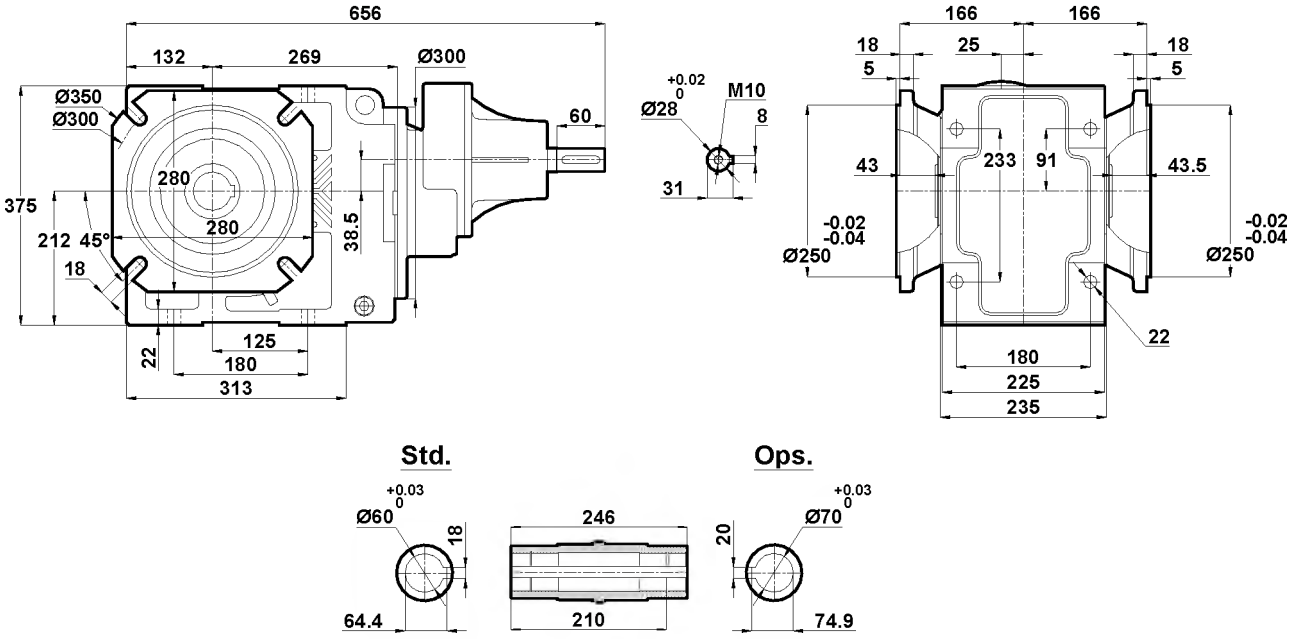


KT574.05



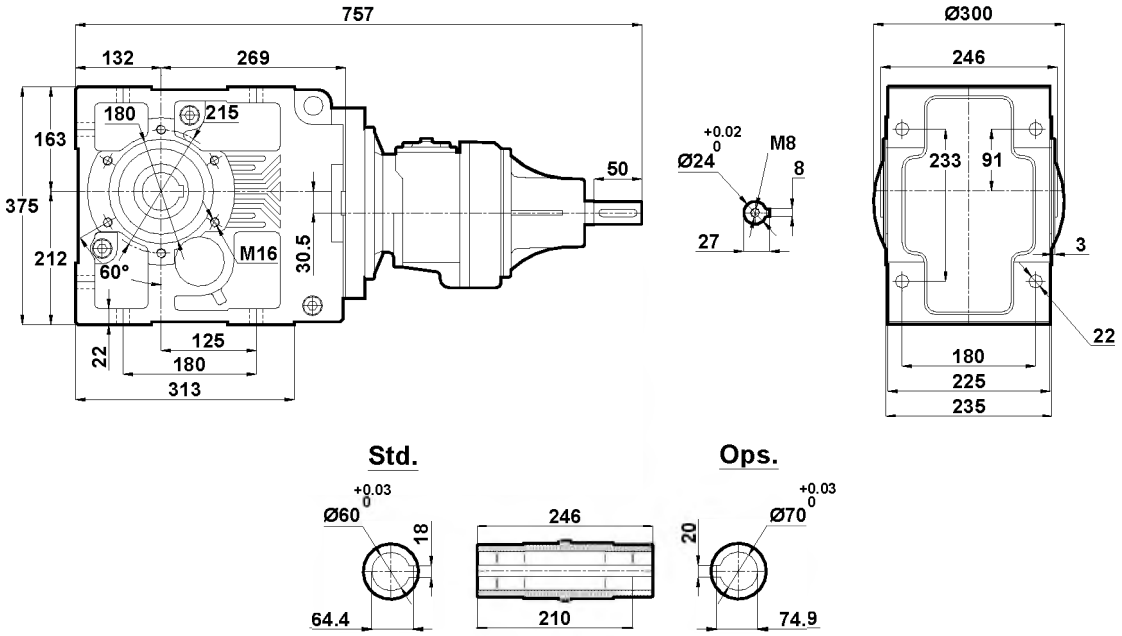
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT574.08

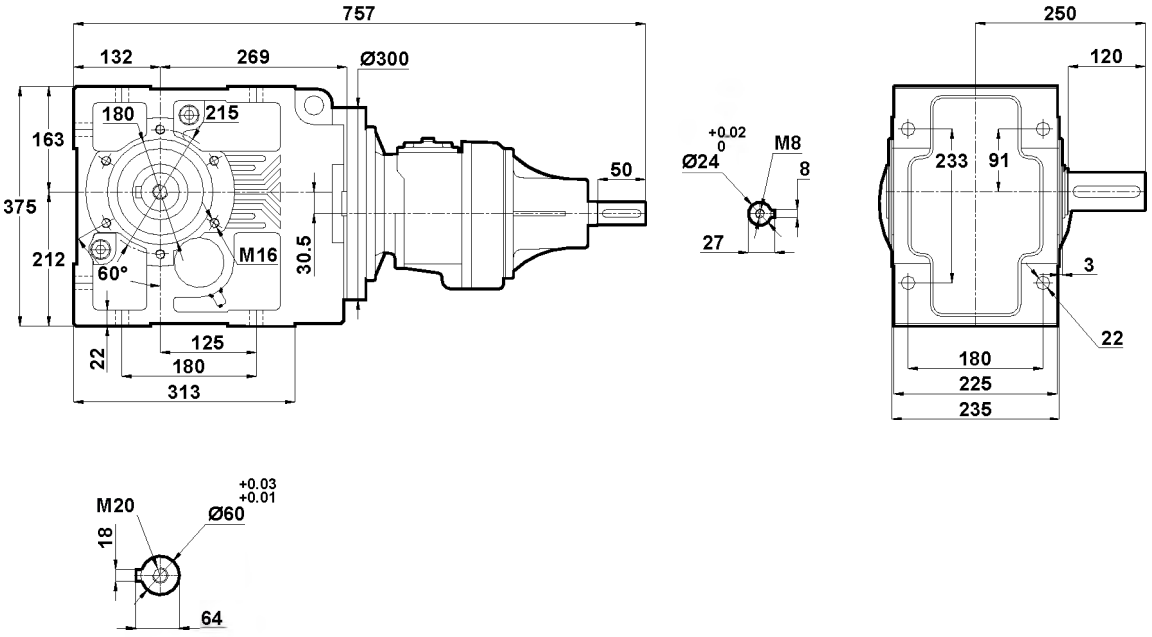


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT575.00
KT576.00

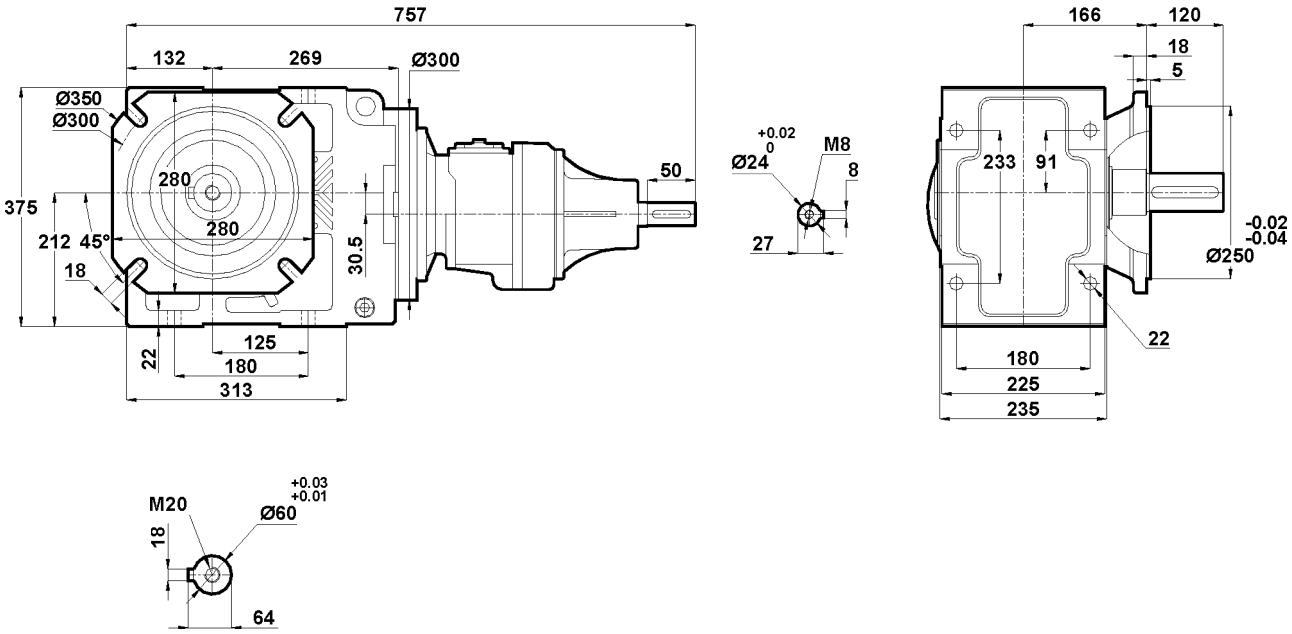


KT575.01
KT576.01

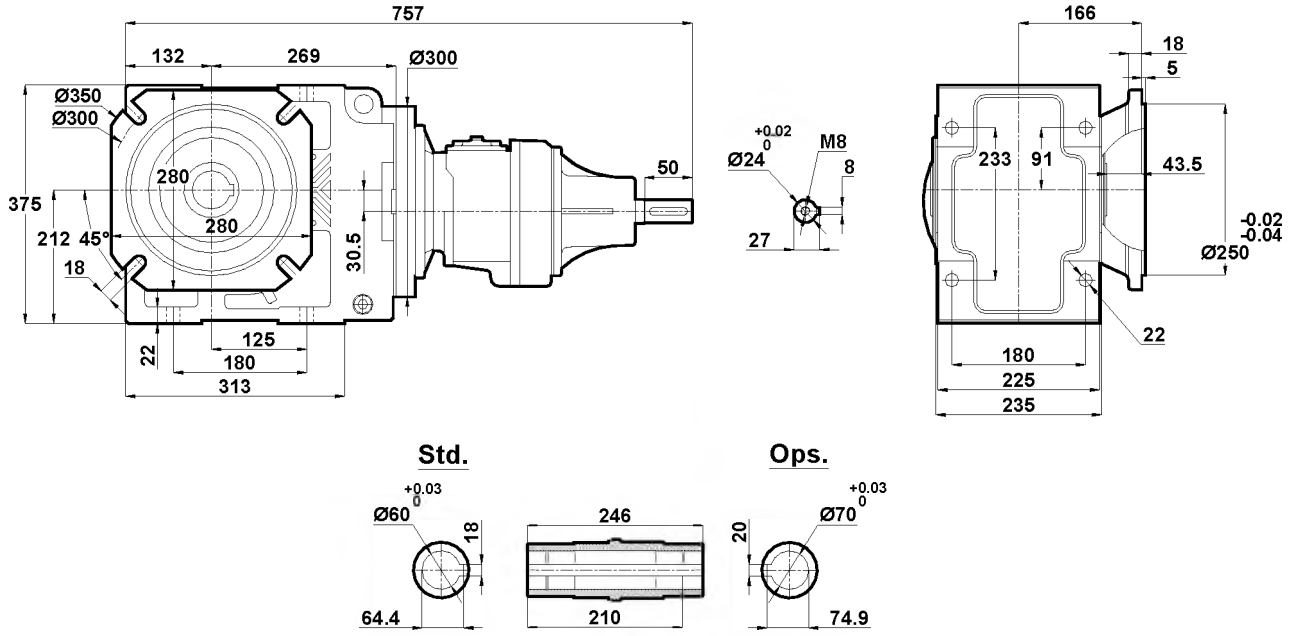


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT575.02
KT576.02

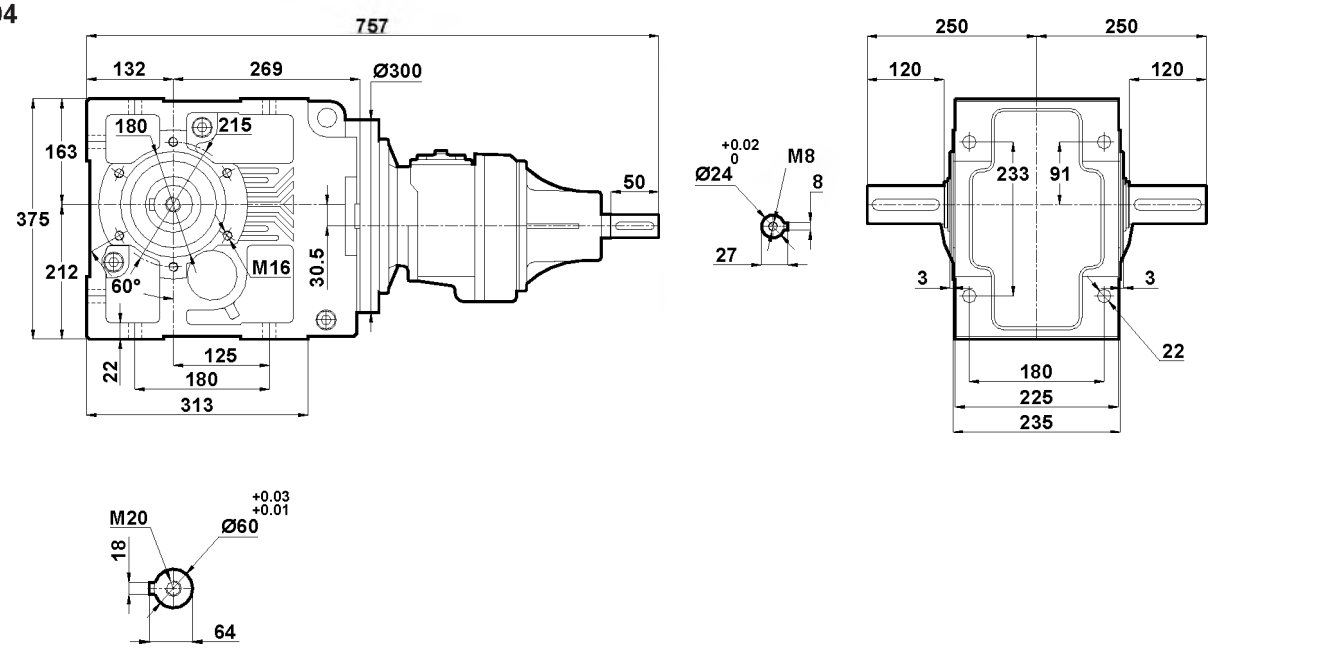


KT575.03
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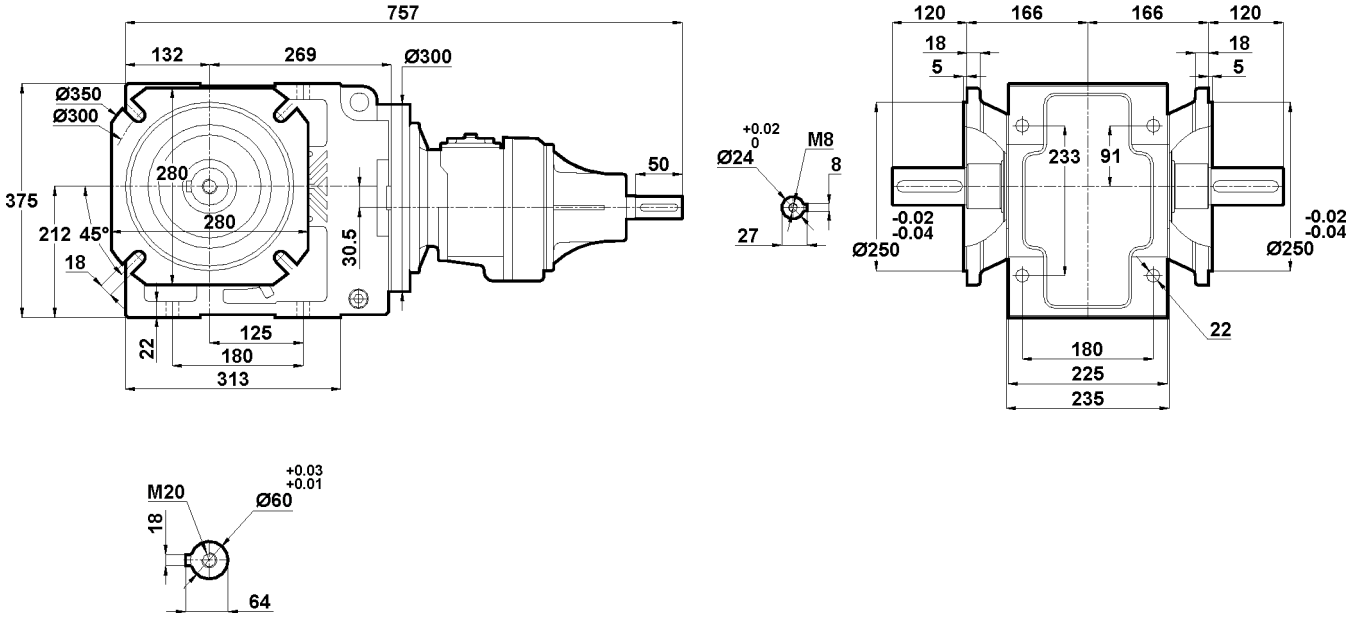


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT575.04
KT576.04

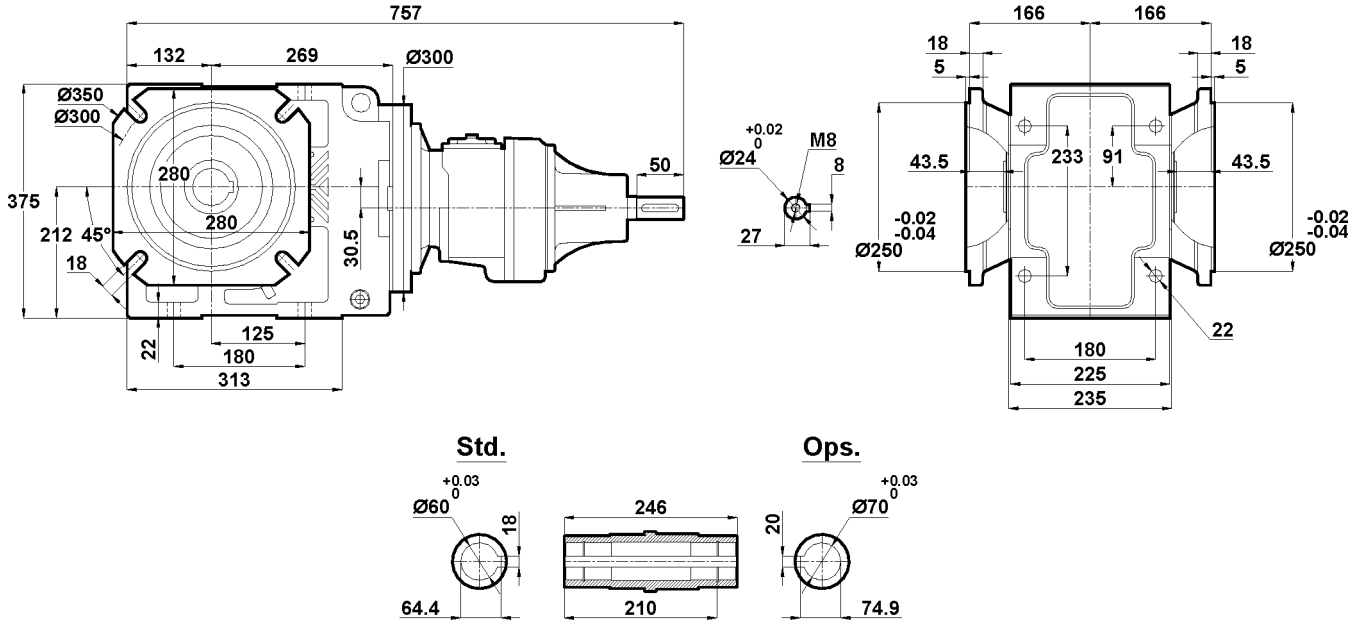


KT575.05
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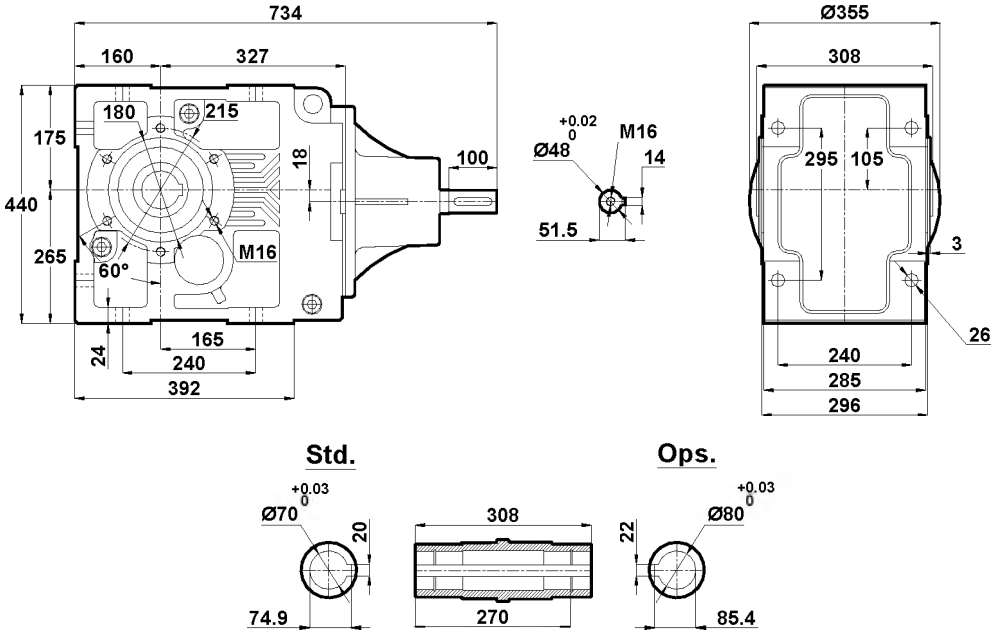
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT575.08
KT576.08

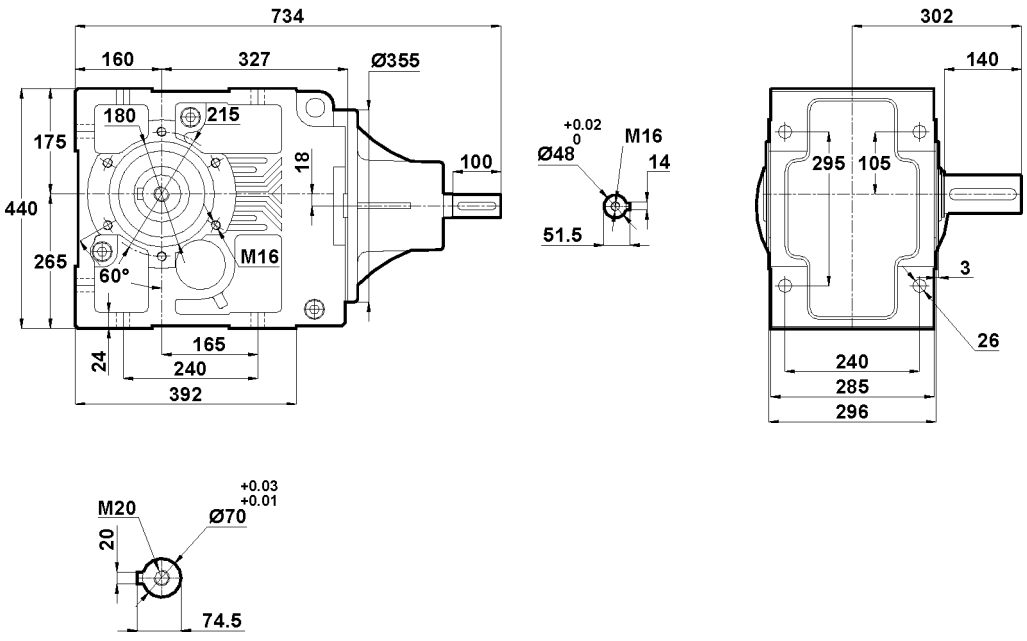


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT673.00

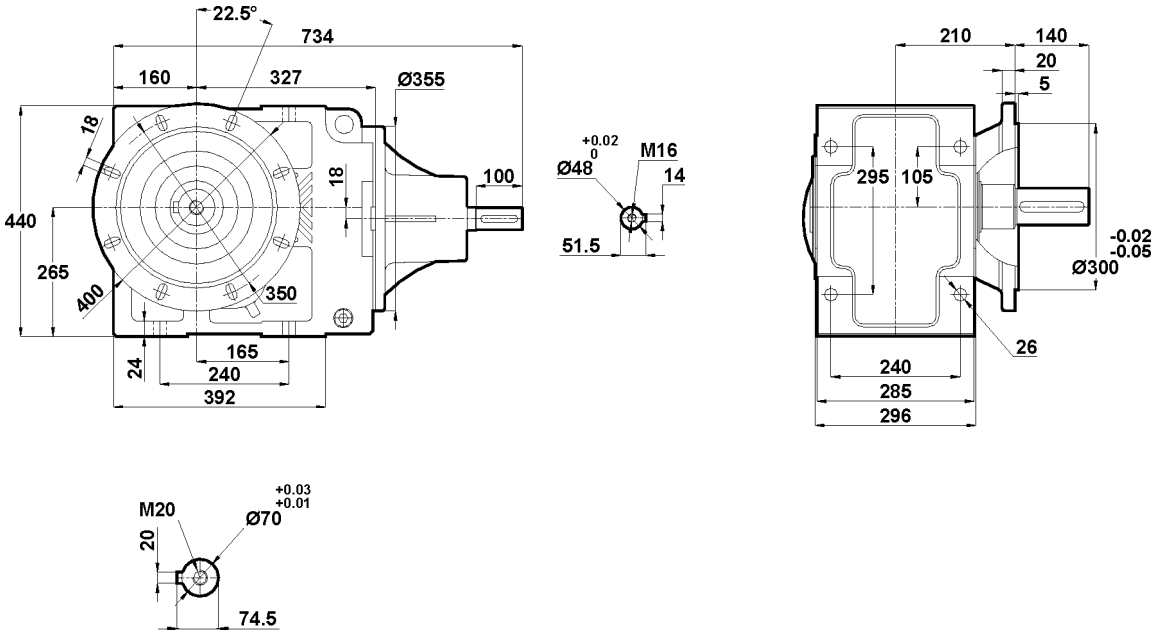


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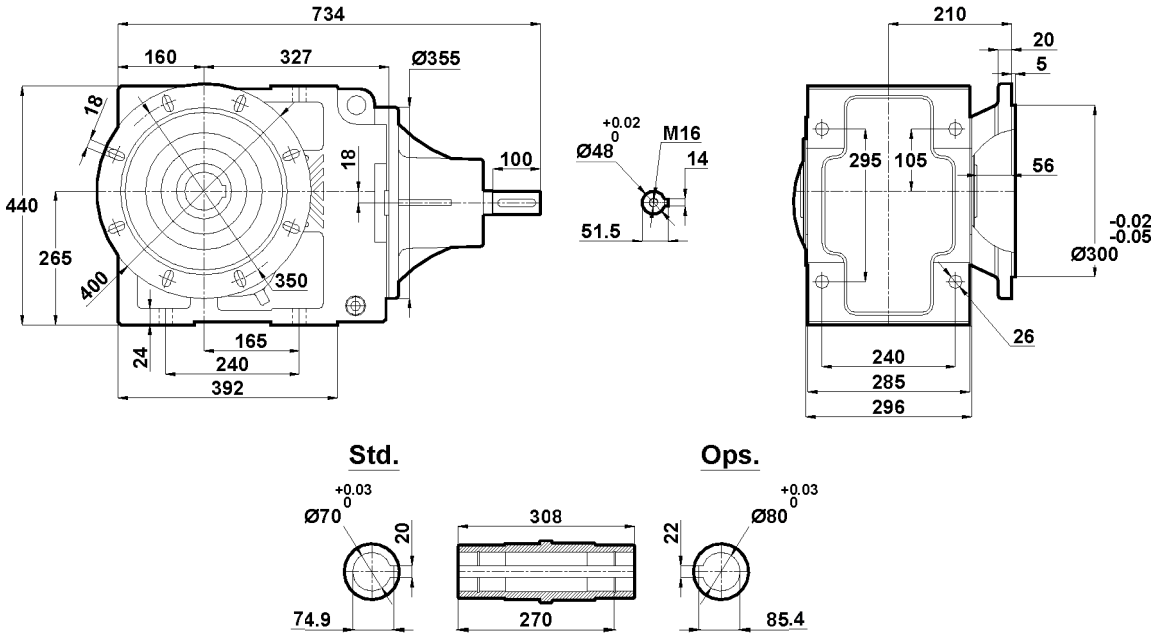


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT673.02

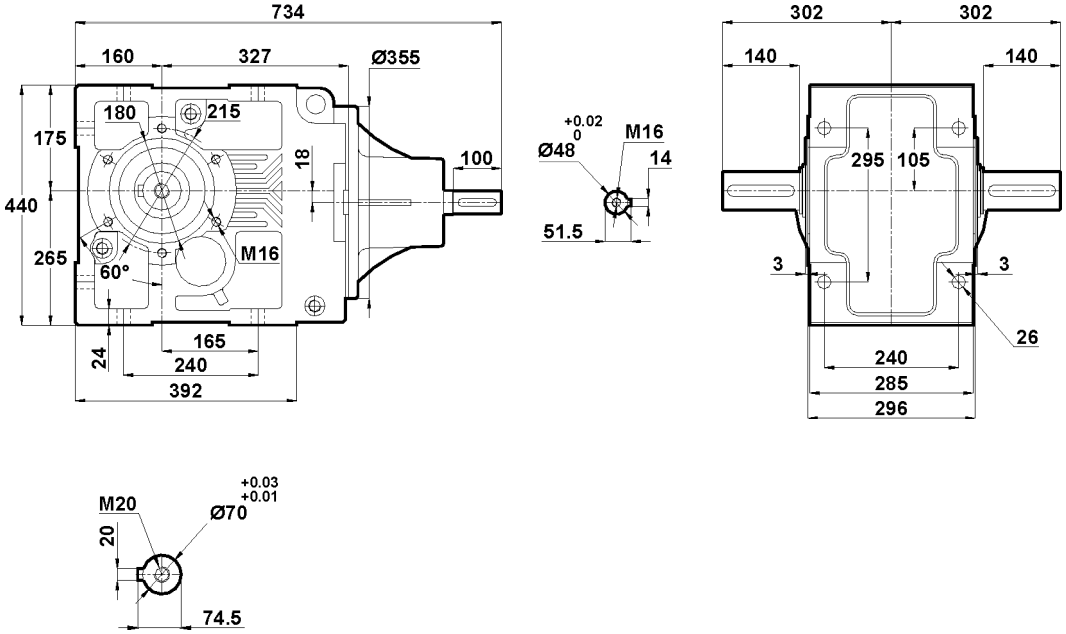


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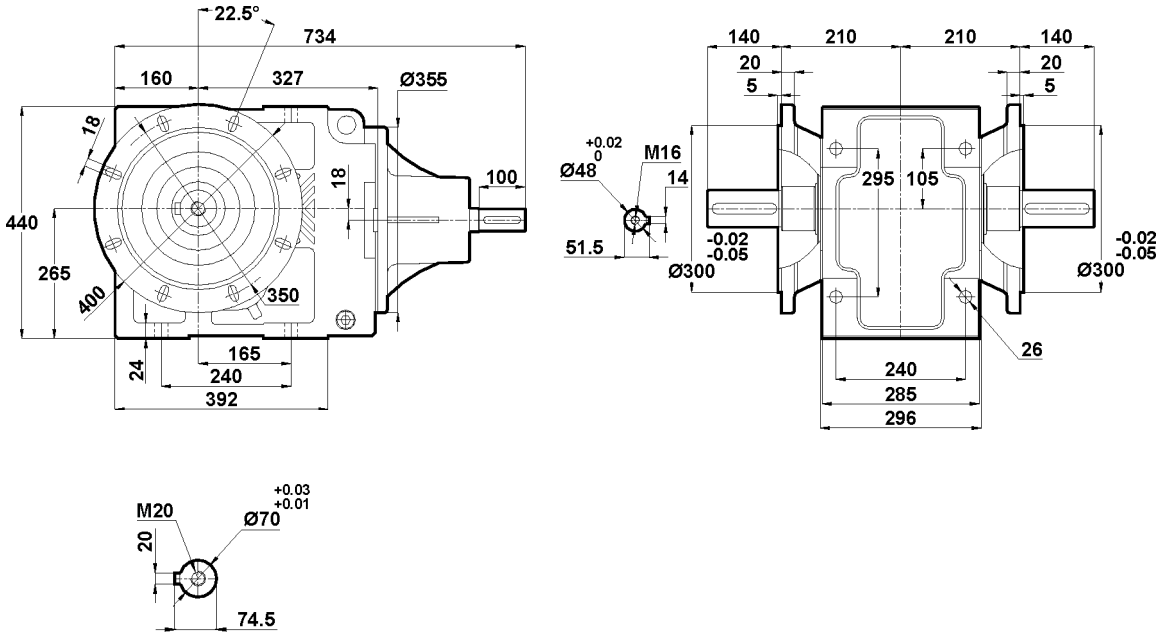


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT673.04

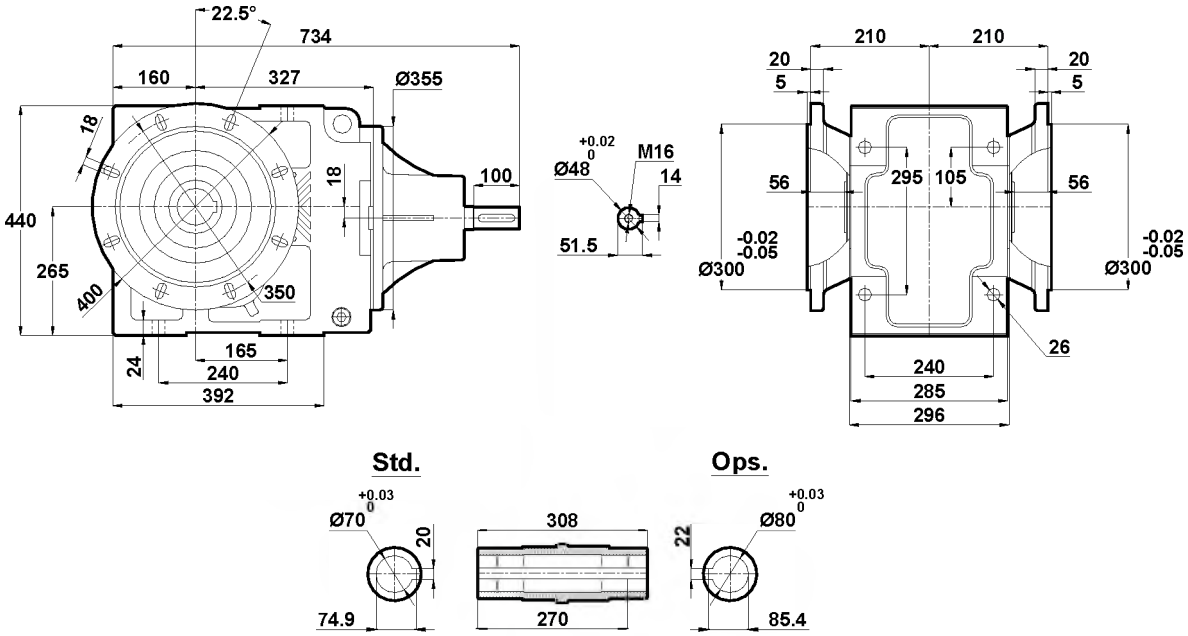


KT673.05



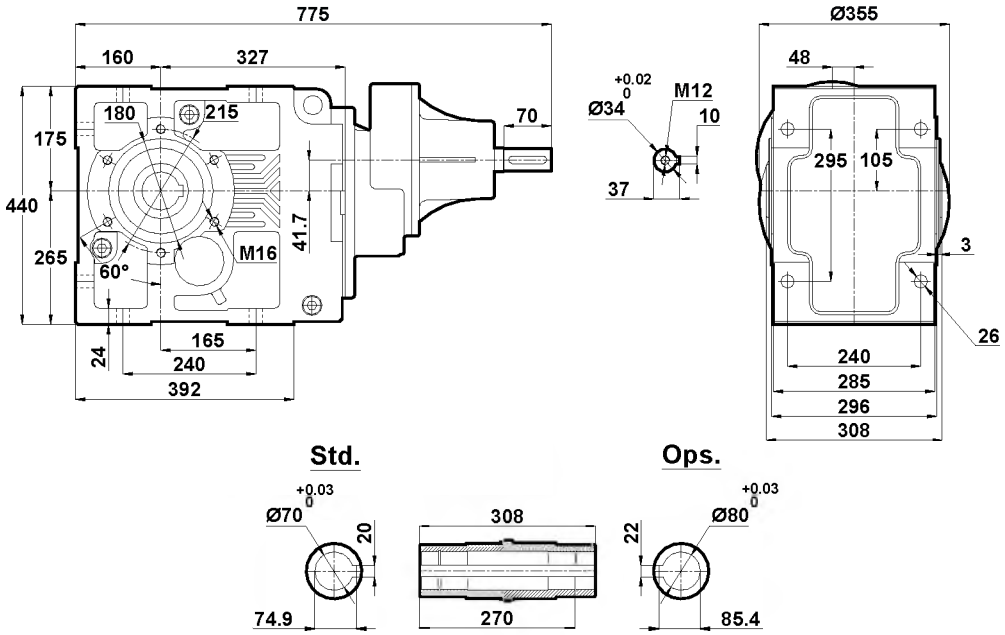
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT673.08

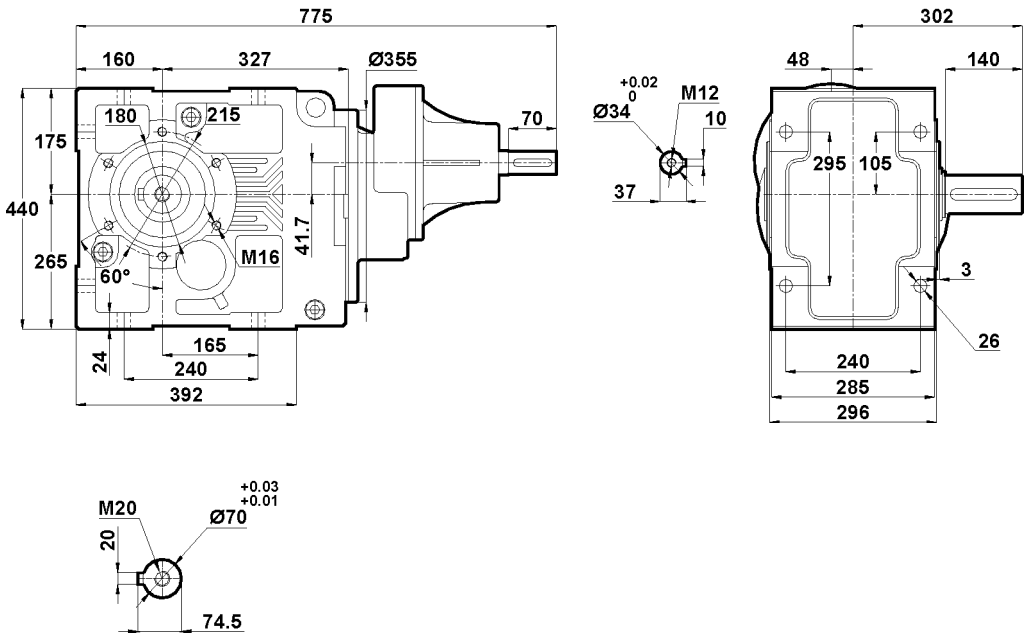


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT674.00

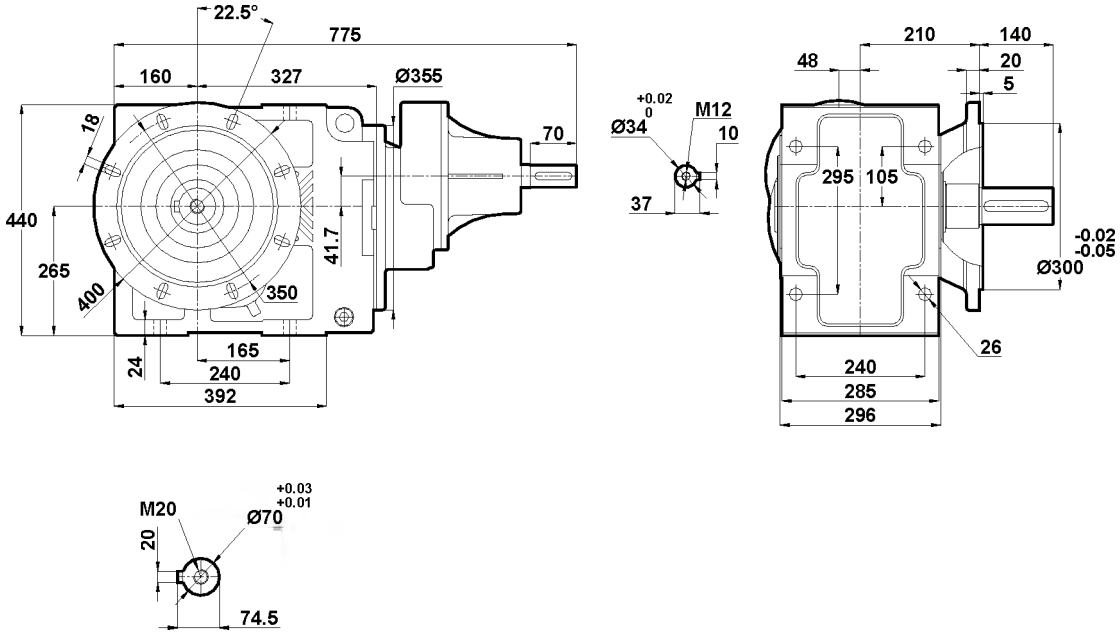


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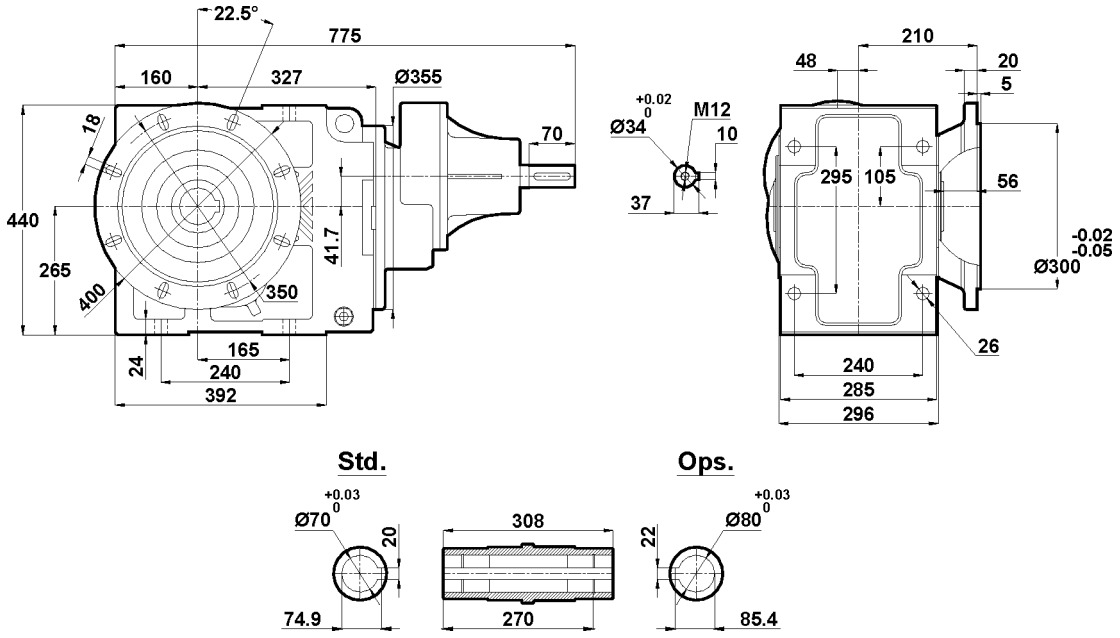


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT674.02

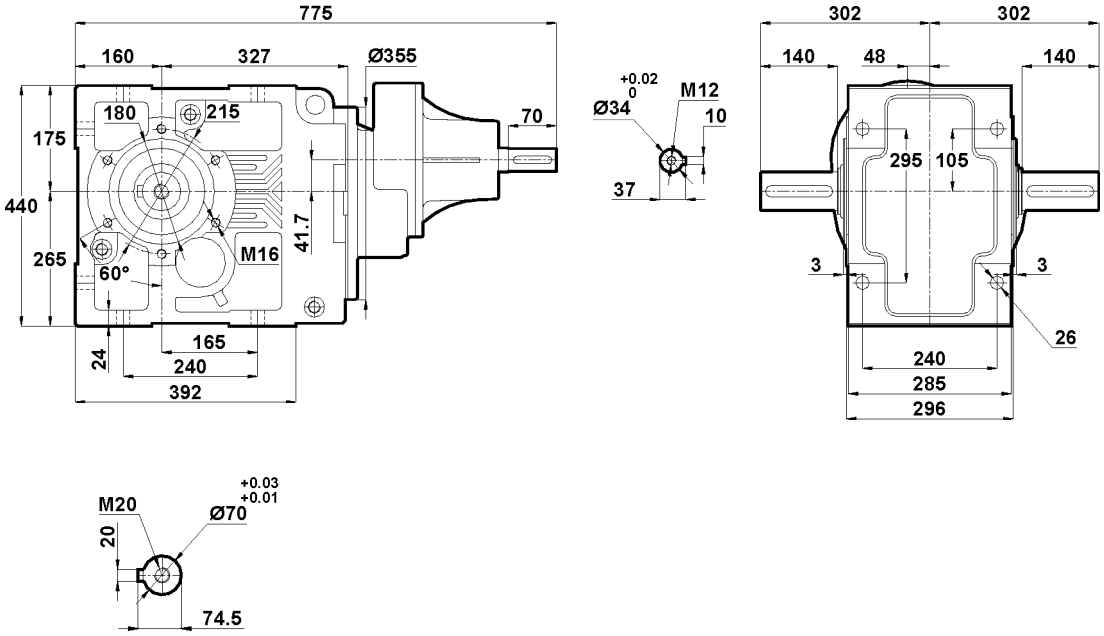


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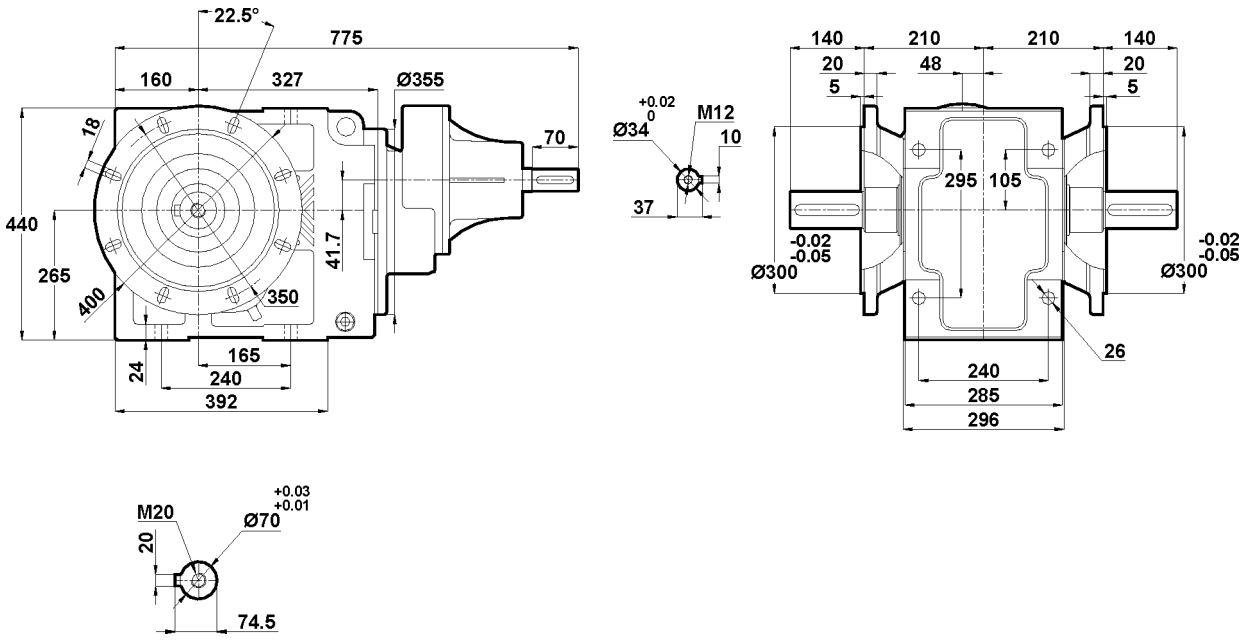


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT674.04

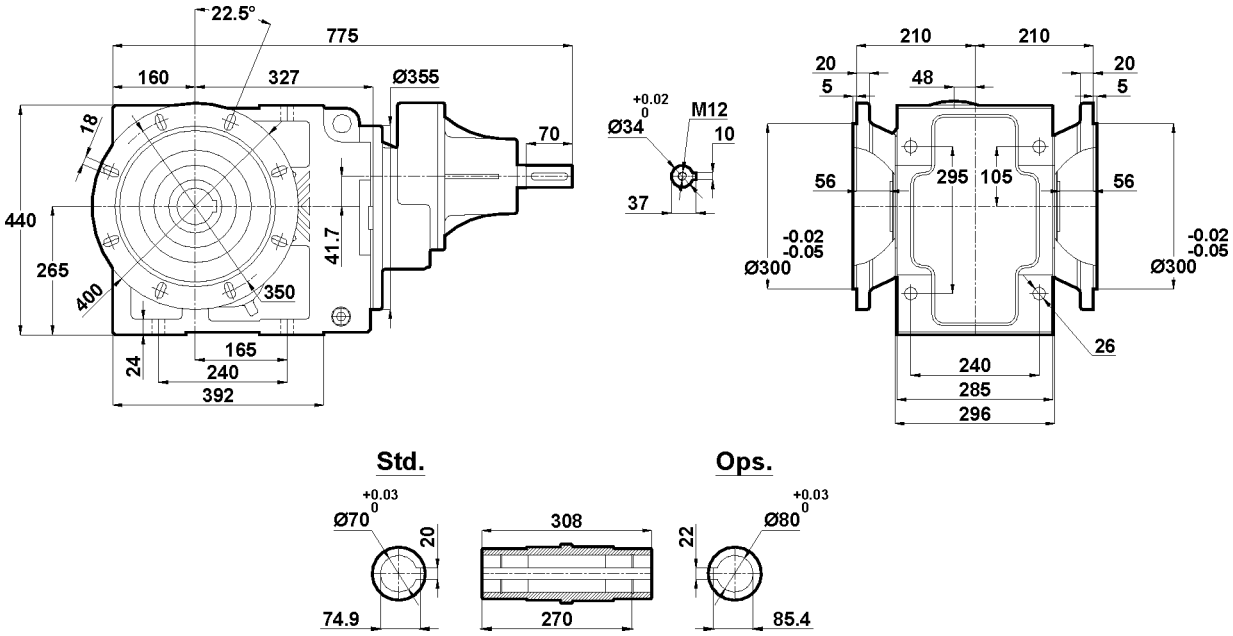


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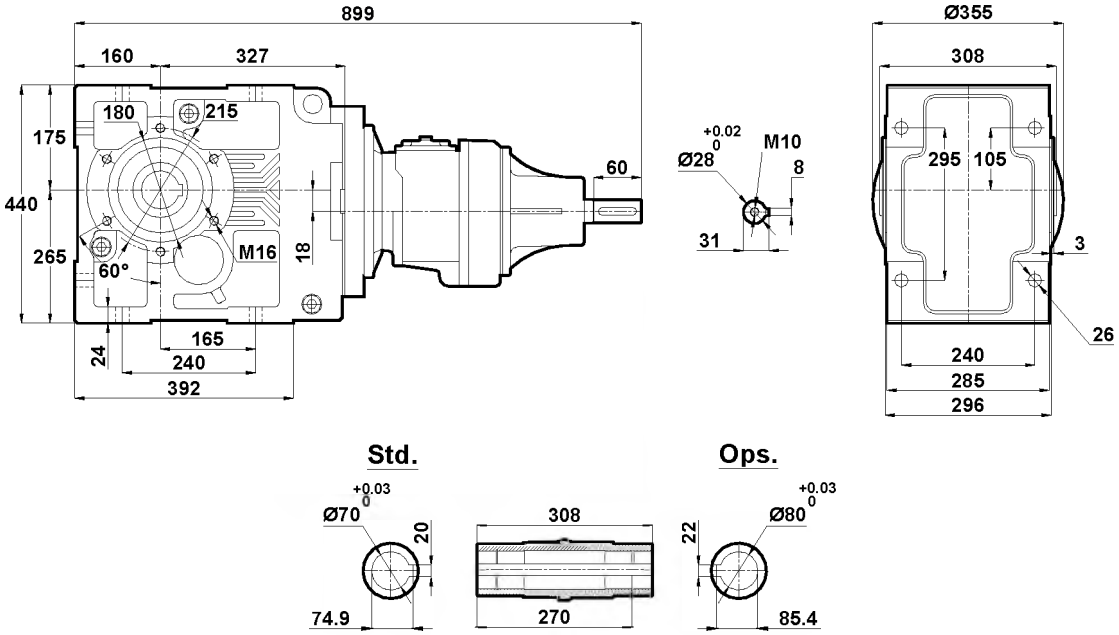
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT674.08

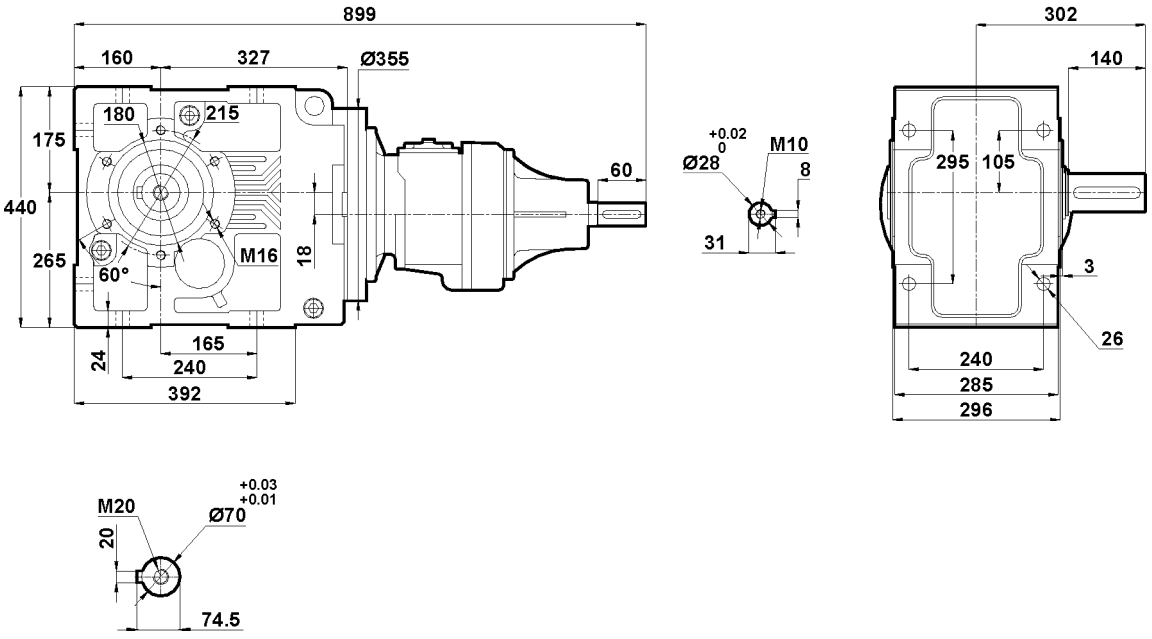


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT675.00
KT676.00

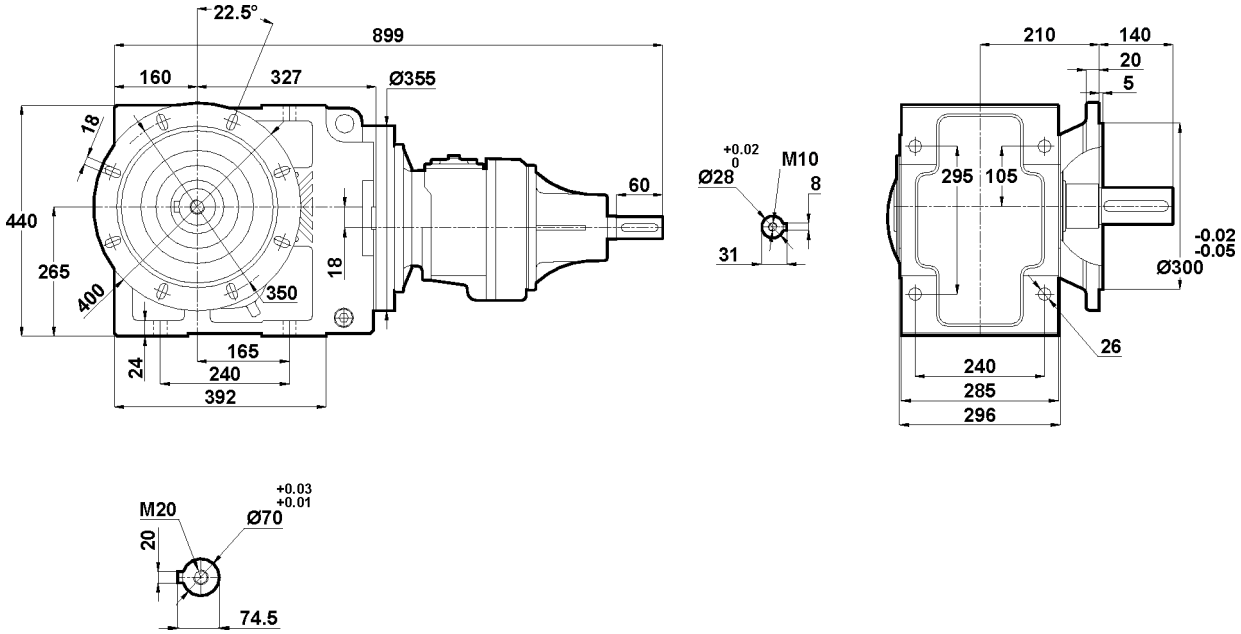


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KT676.01

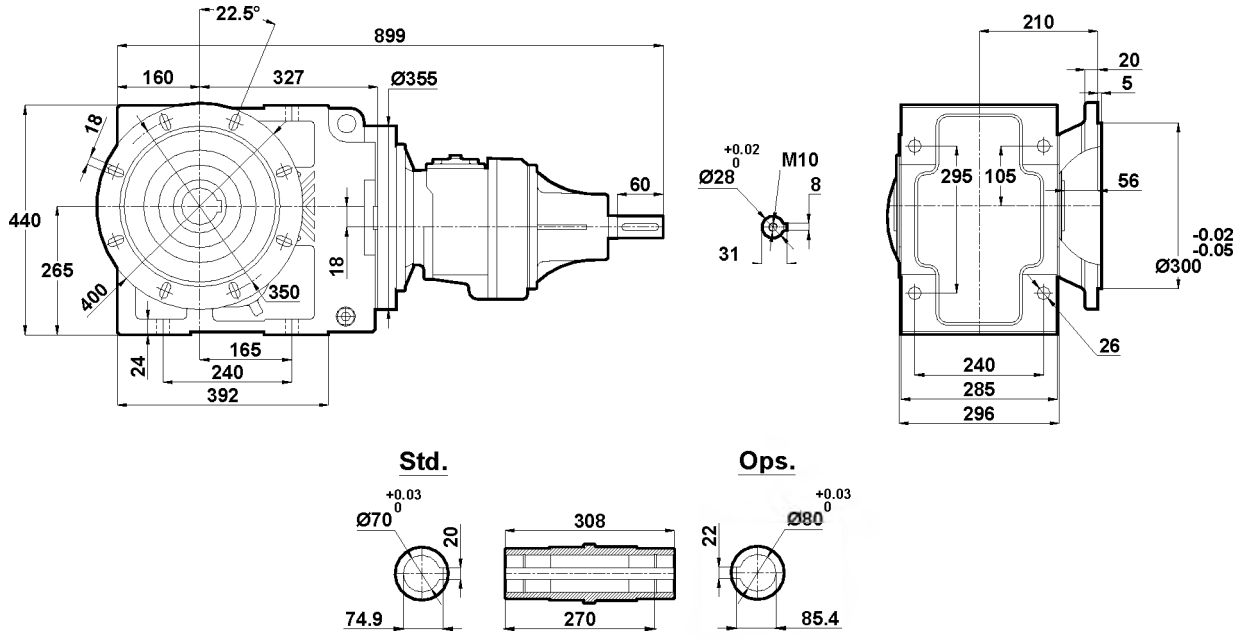


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT675.02
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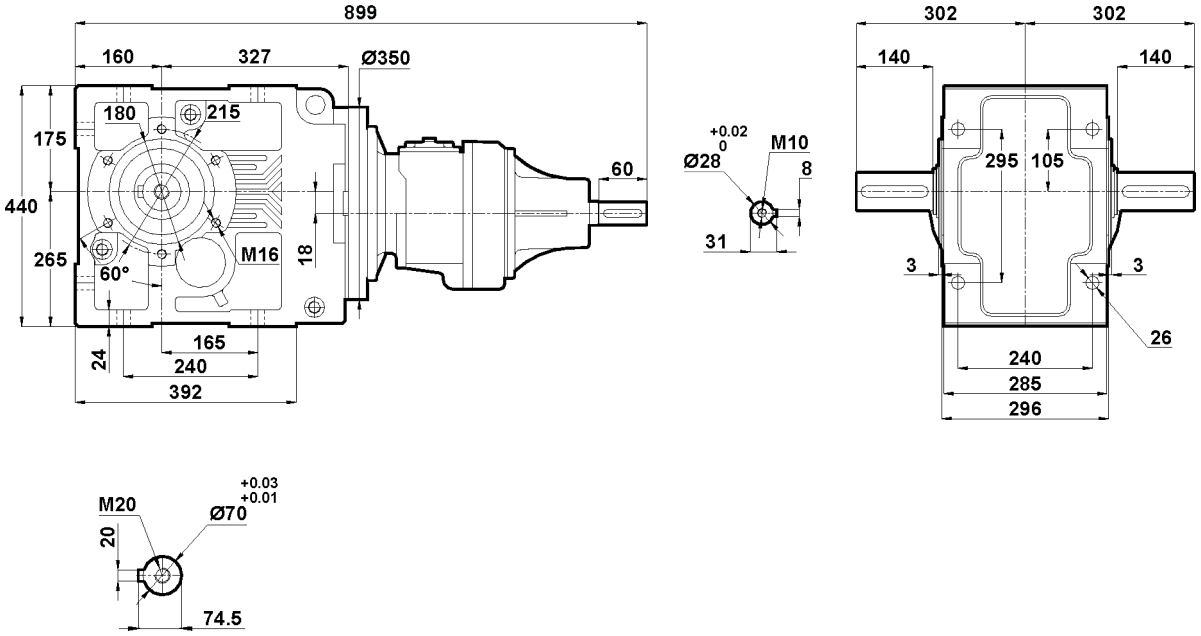


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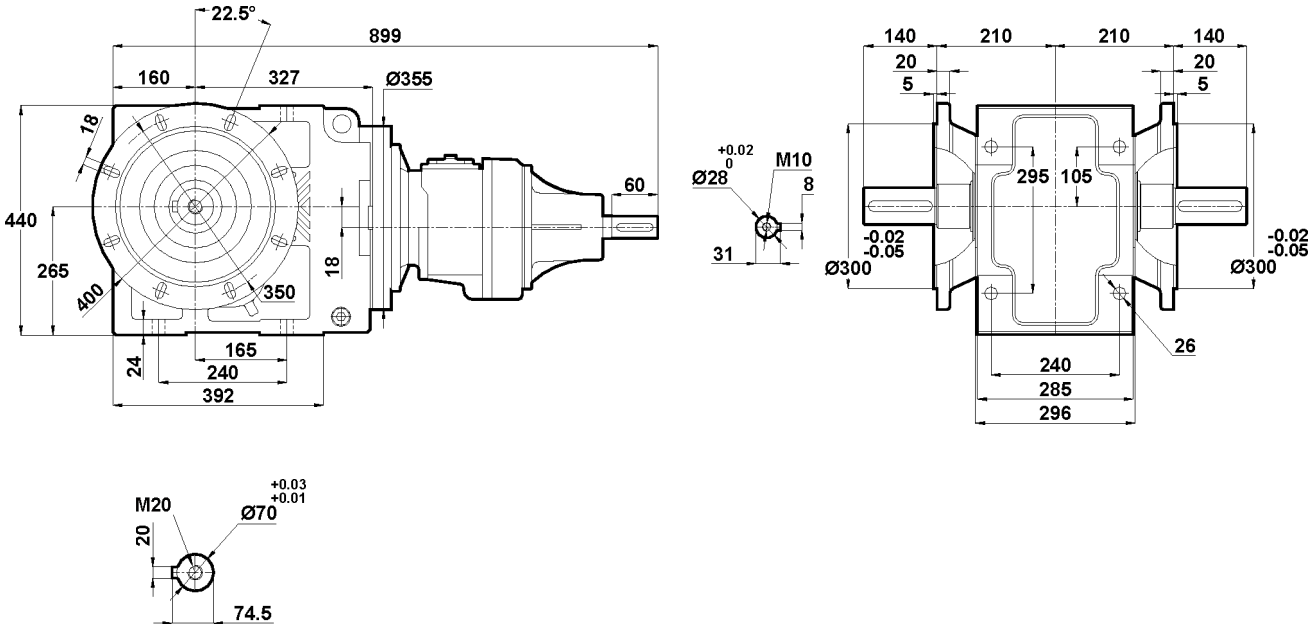


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT675.04
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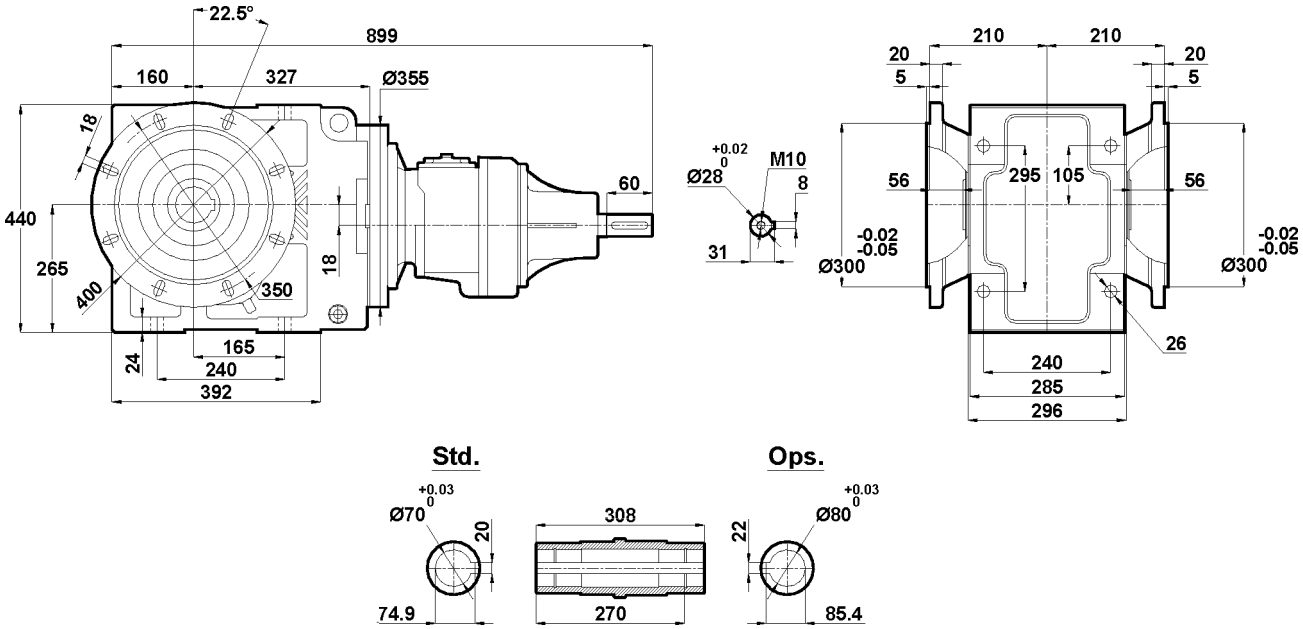


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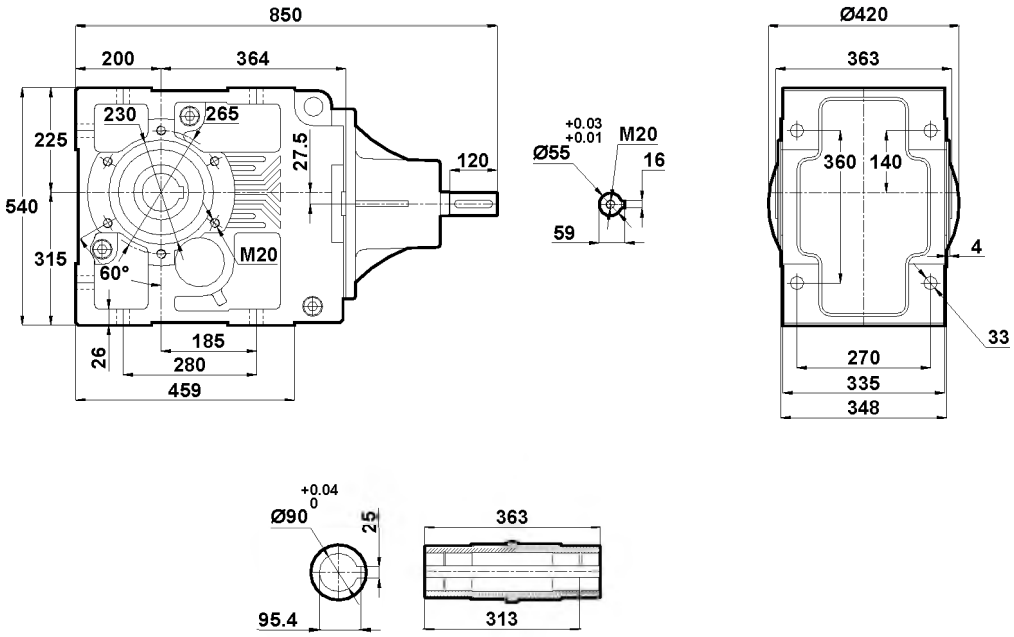
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT675.08
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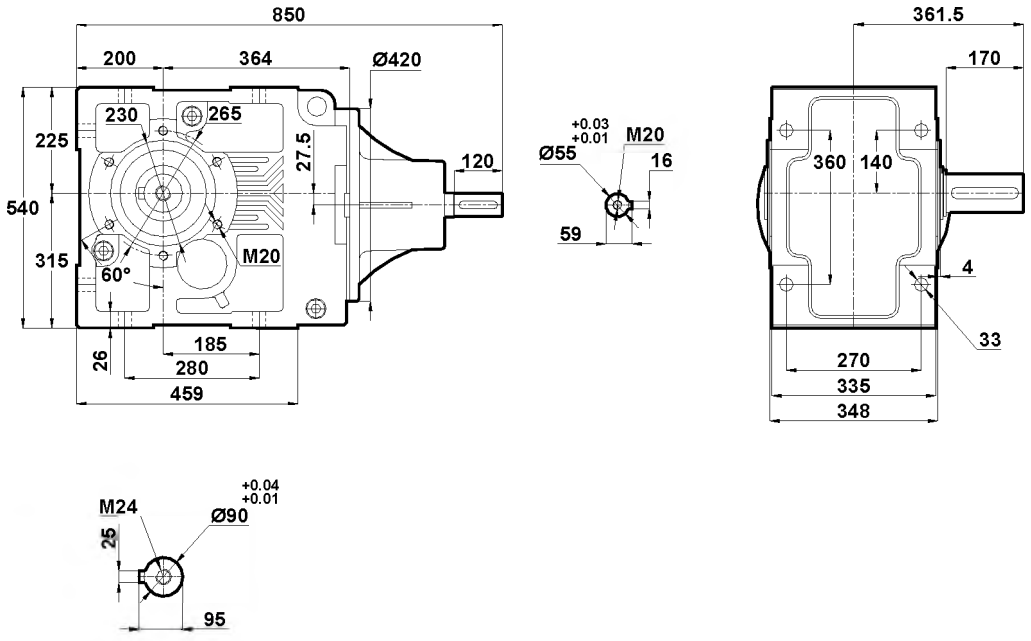


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT773.00

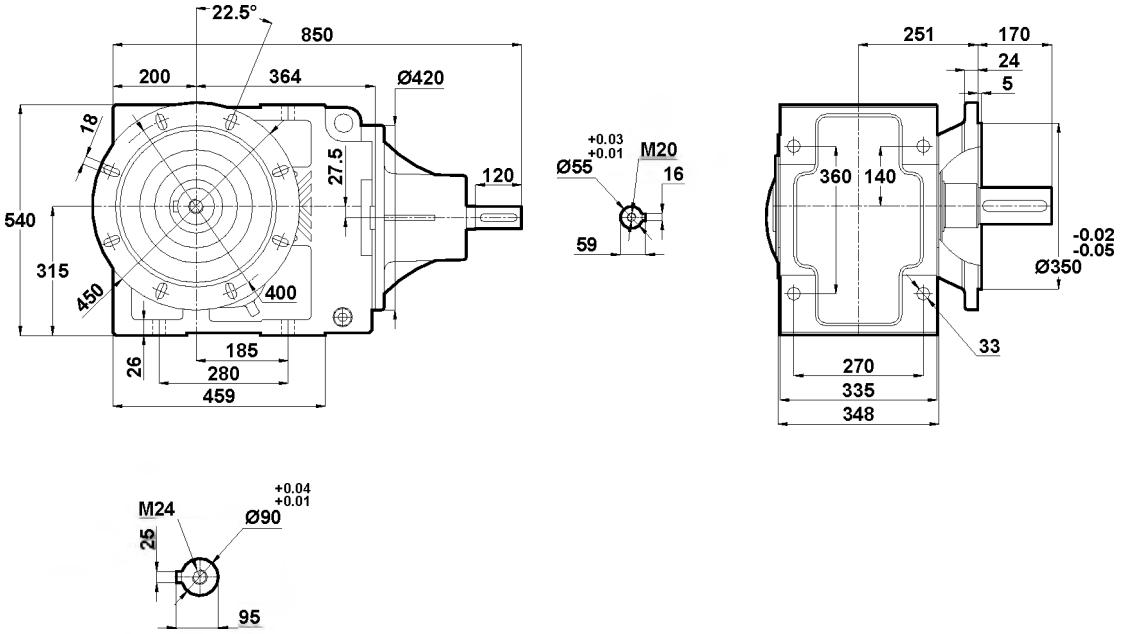


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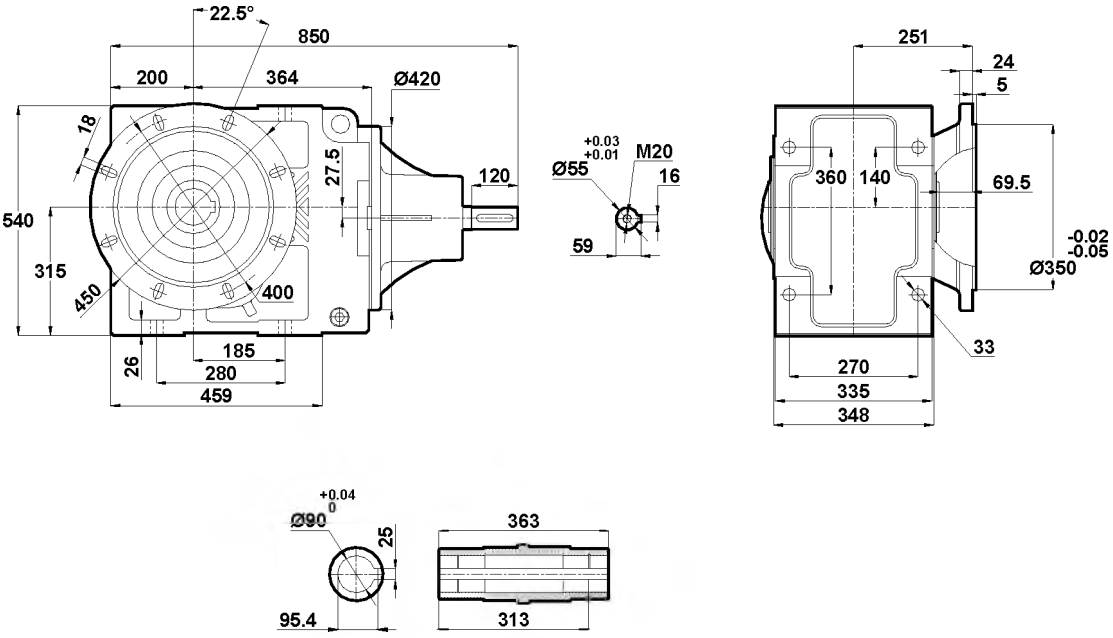


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT773.02

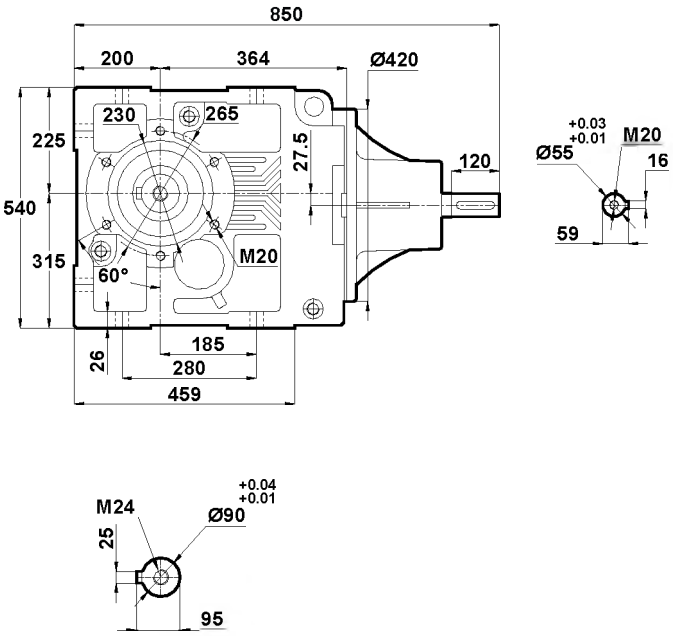


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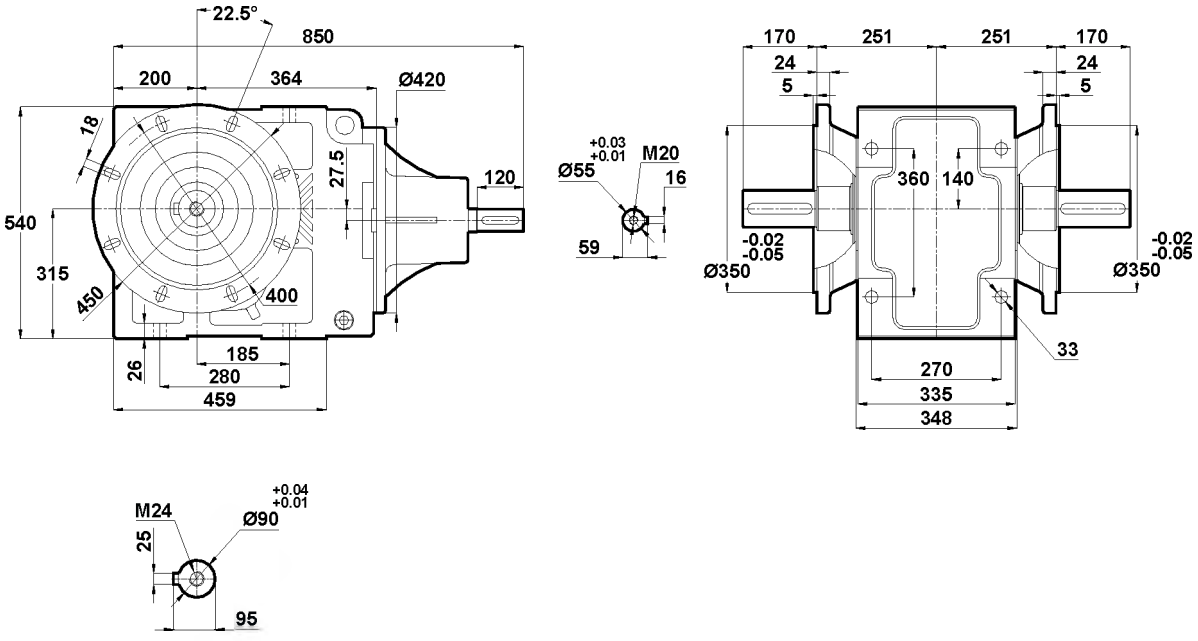


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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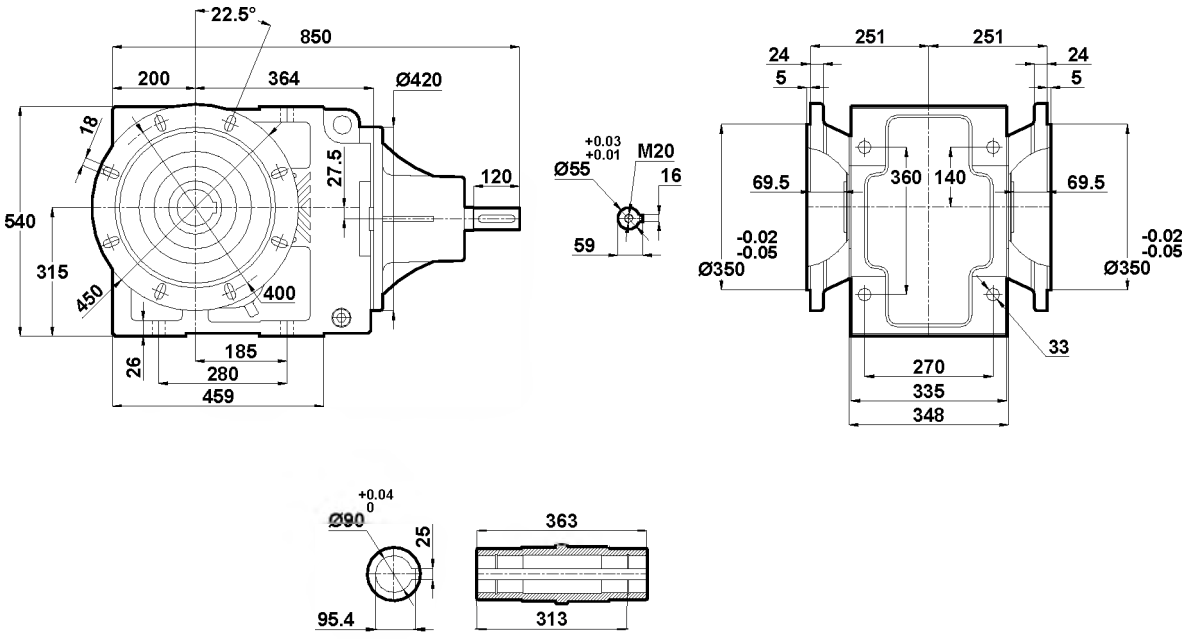


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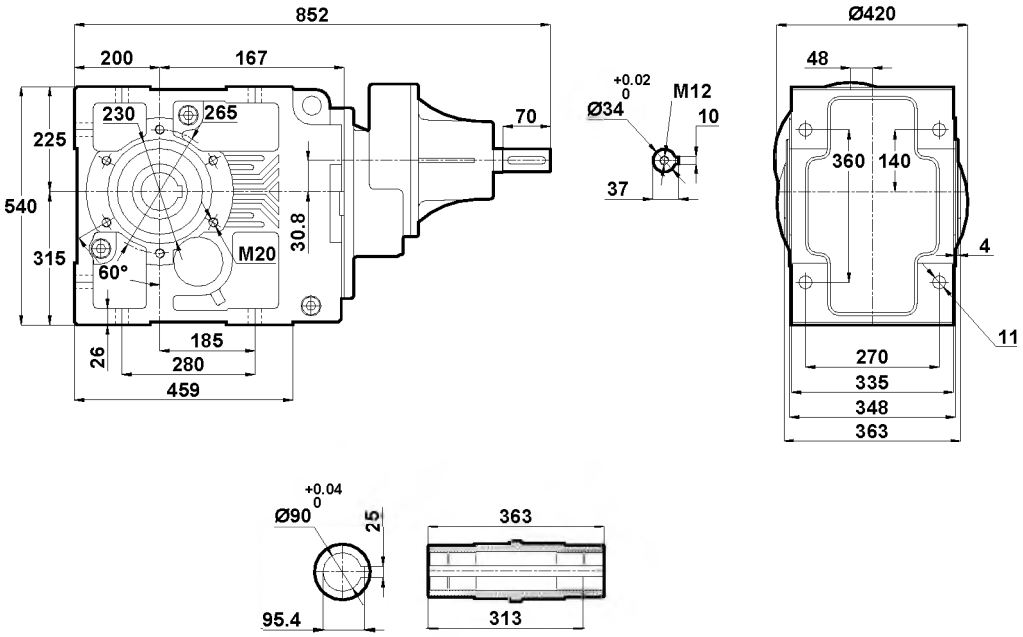
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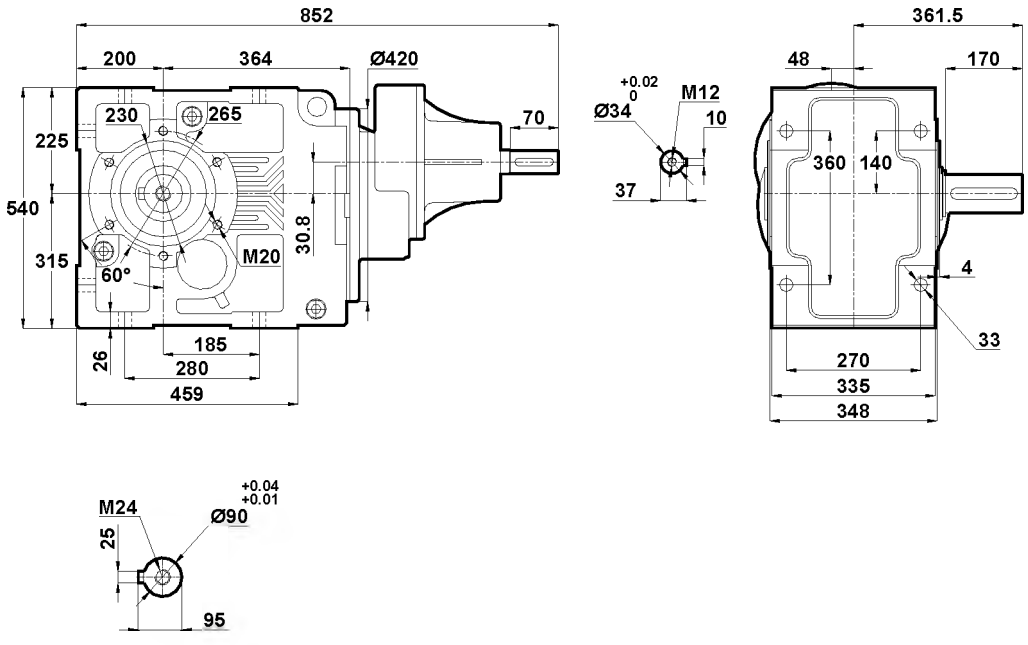


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KT774.00

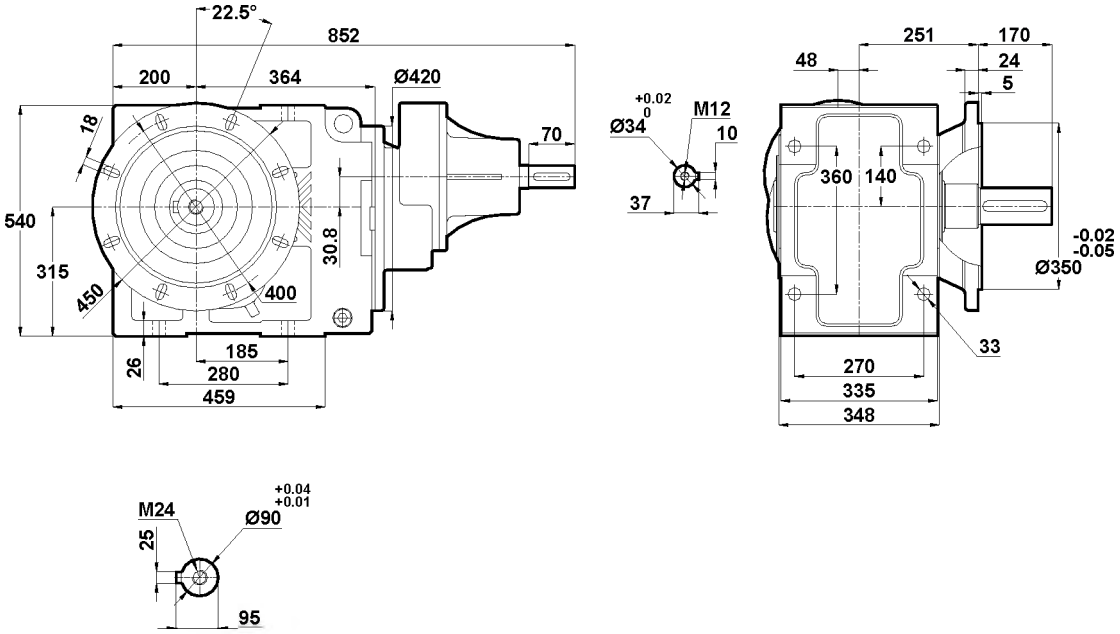


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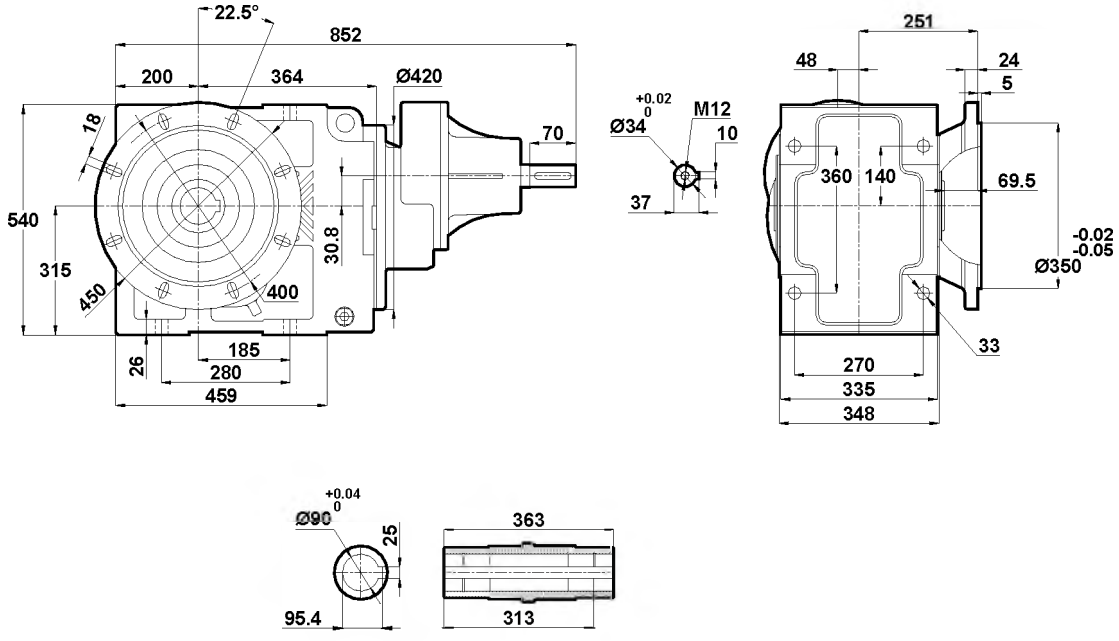


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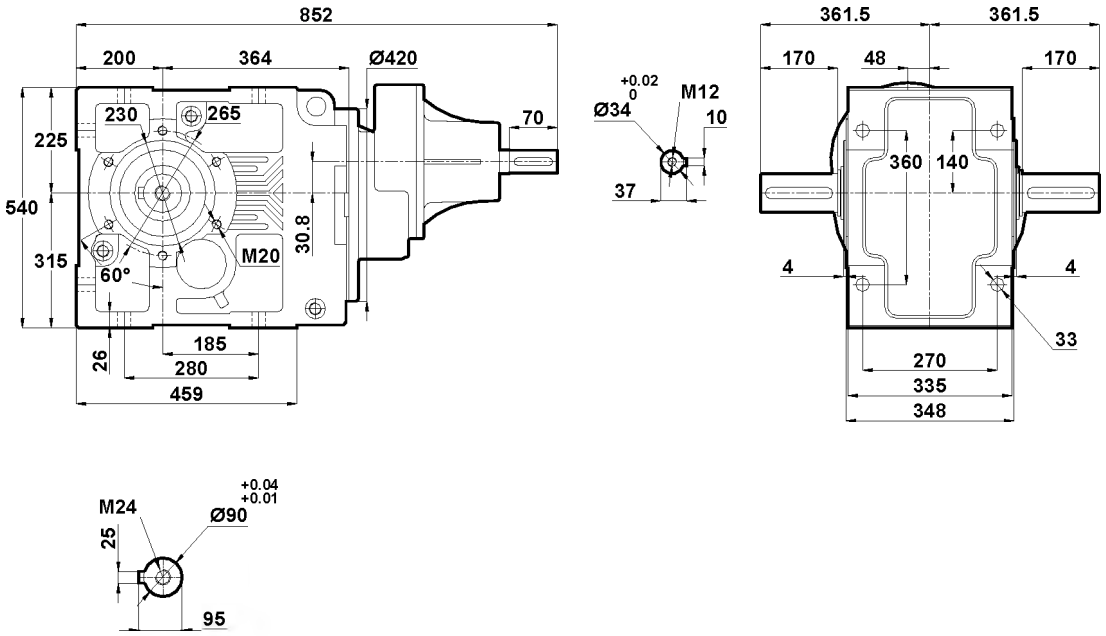


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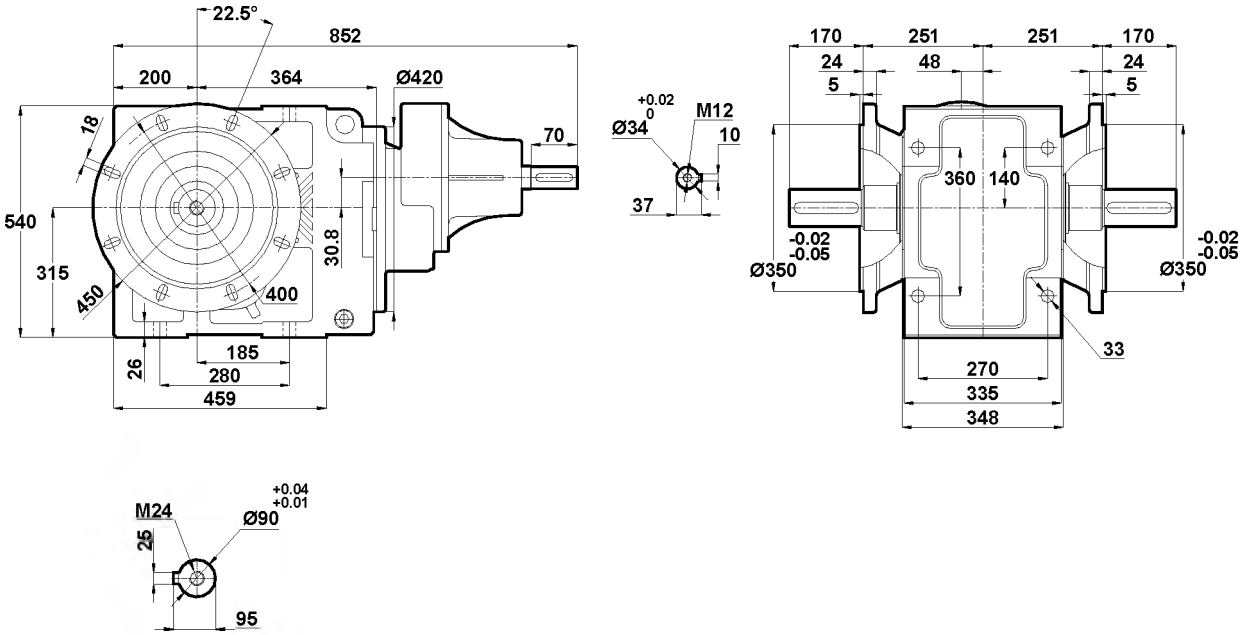


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT774.04

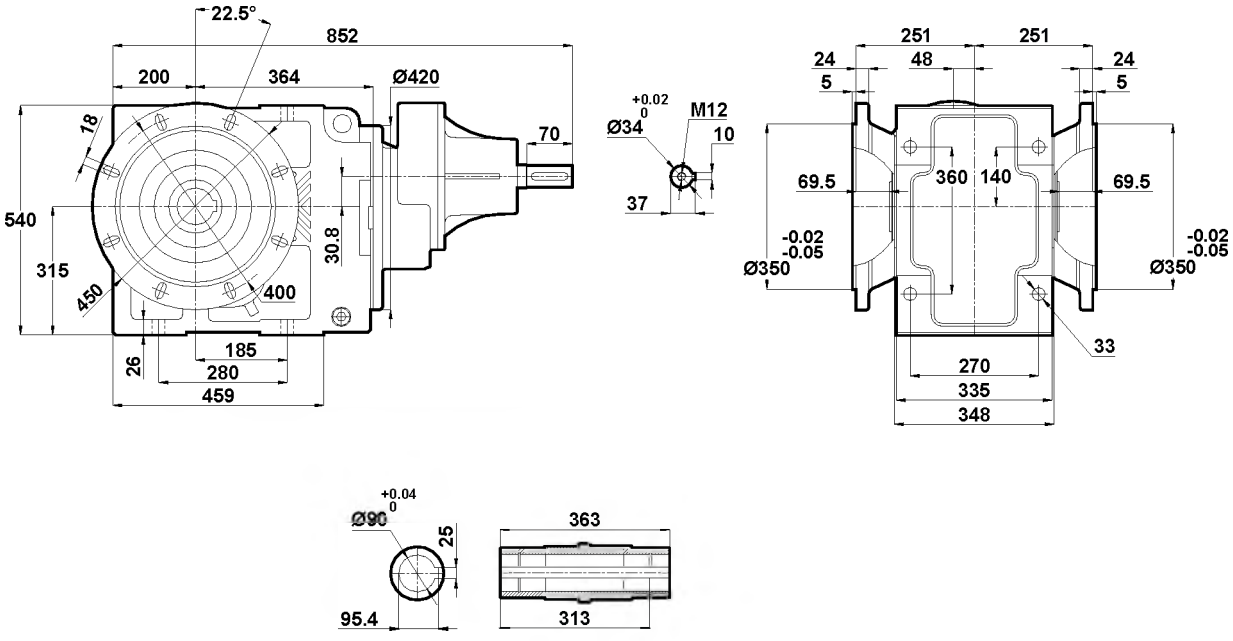


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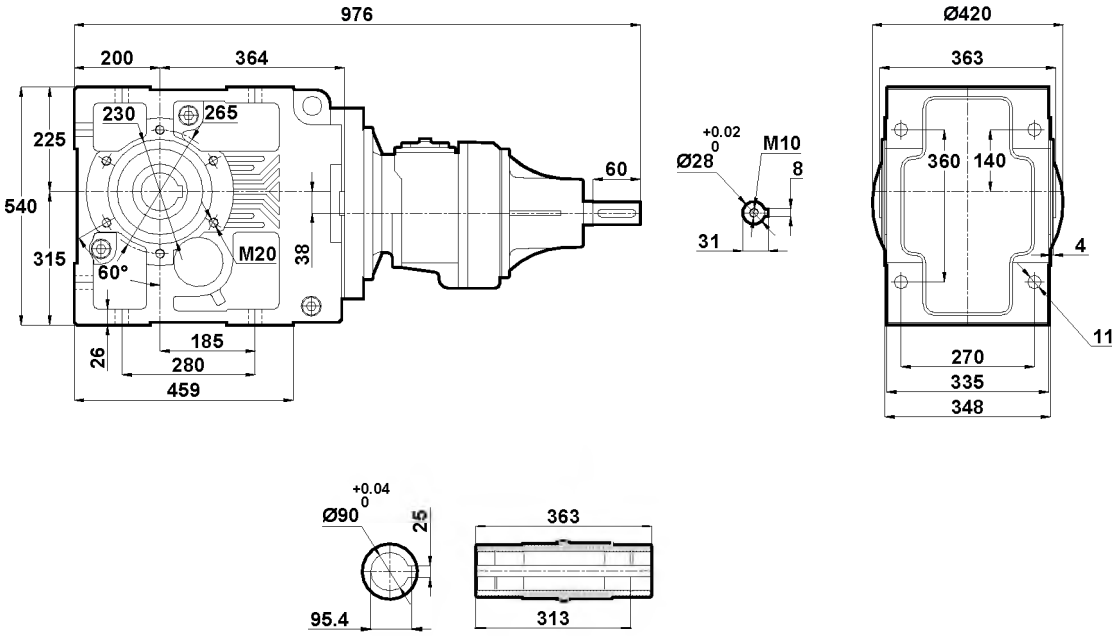
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT774.08

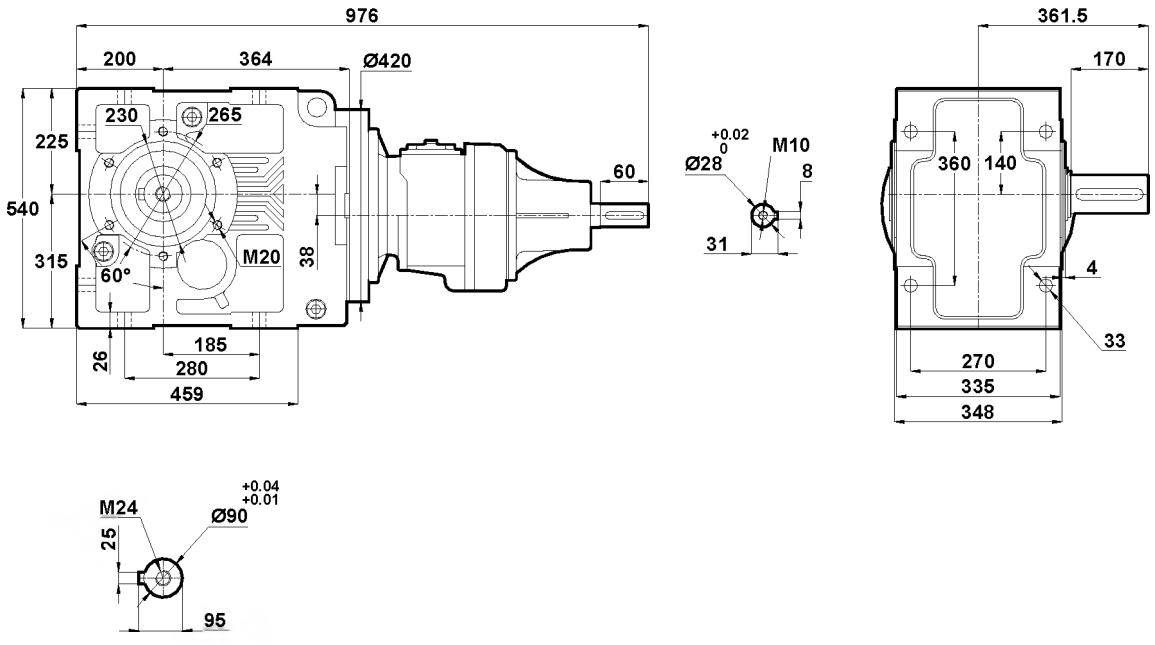


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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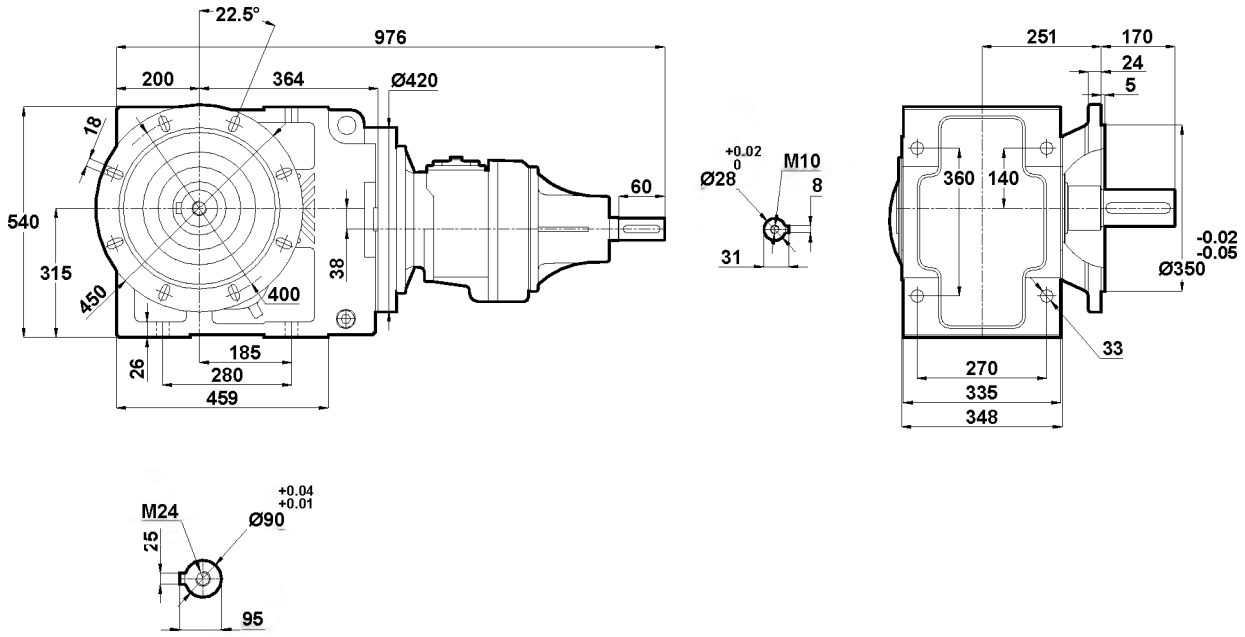


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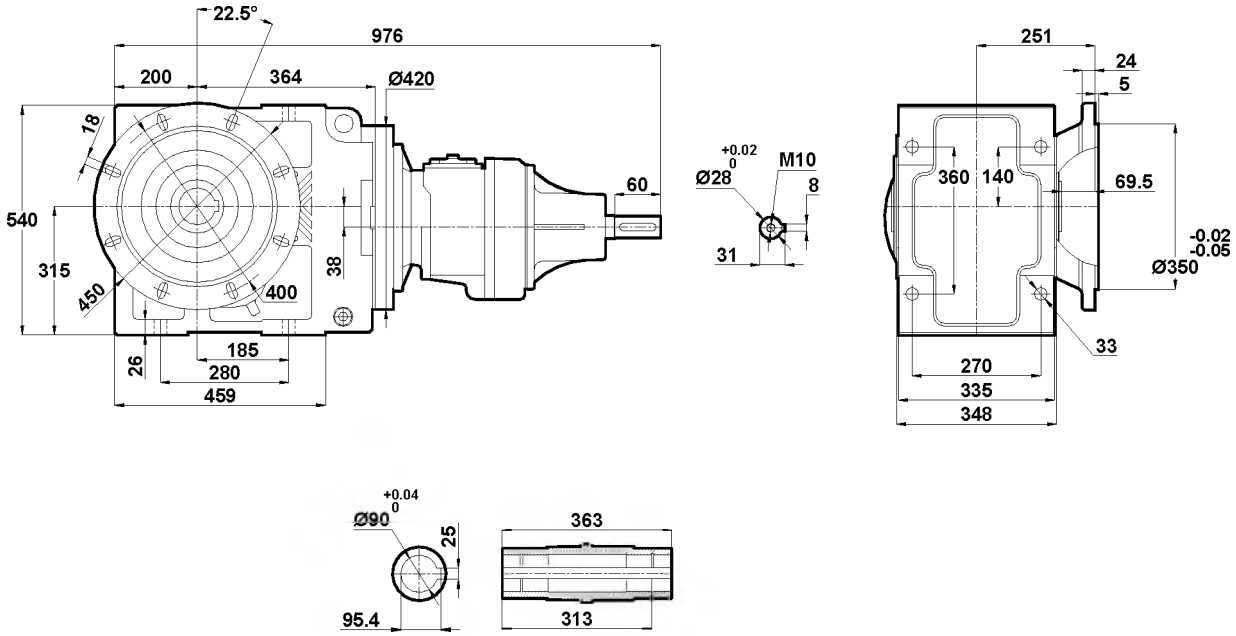


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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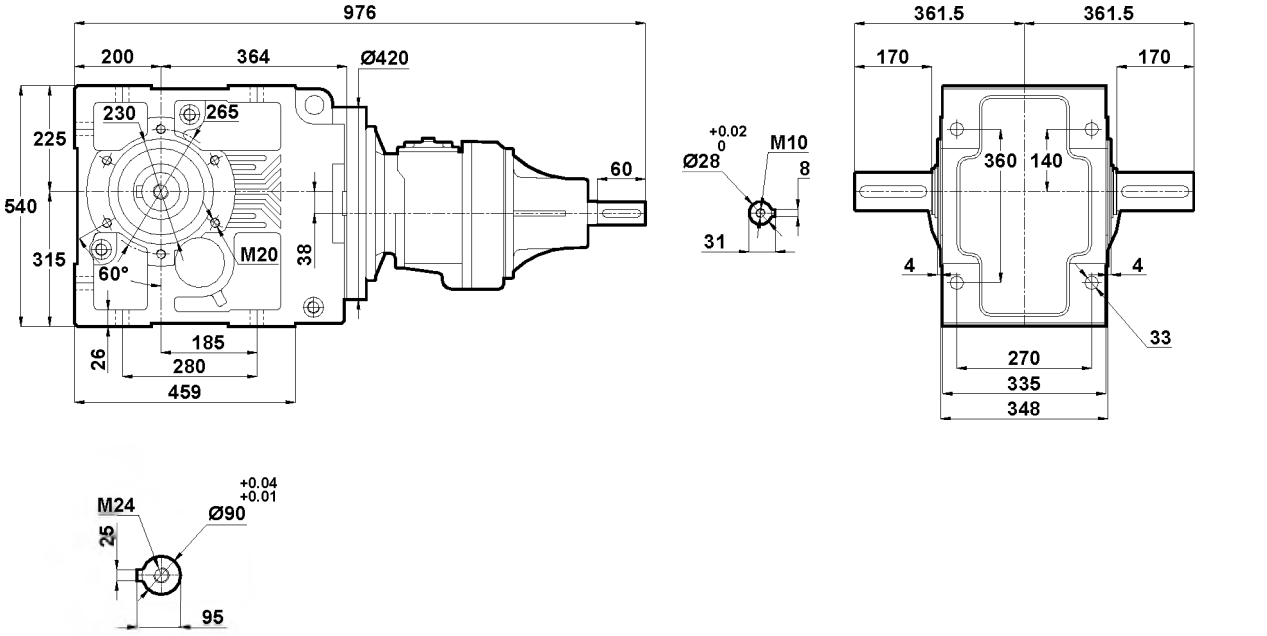


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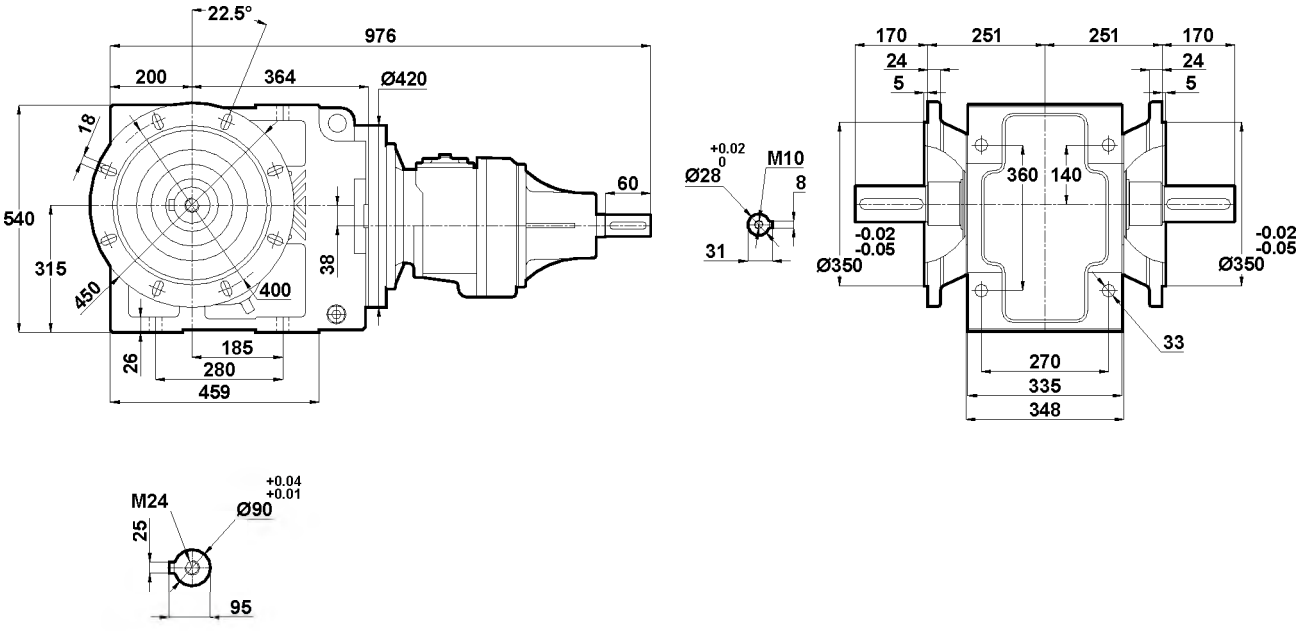


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

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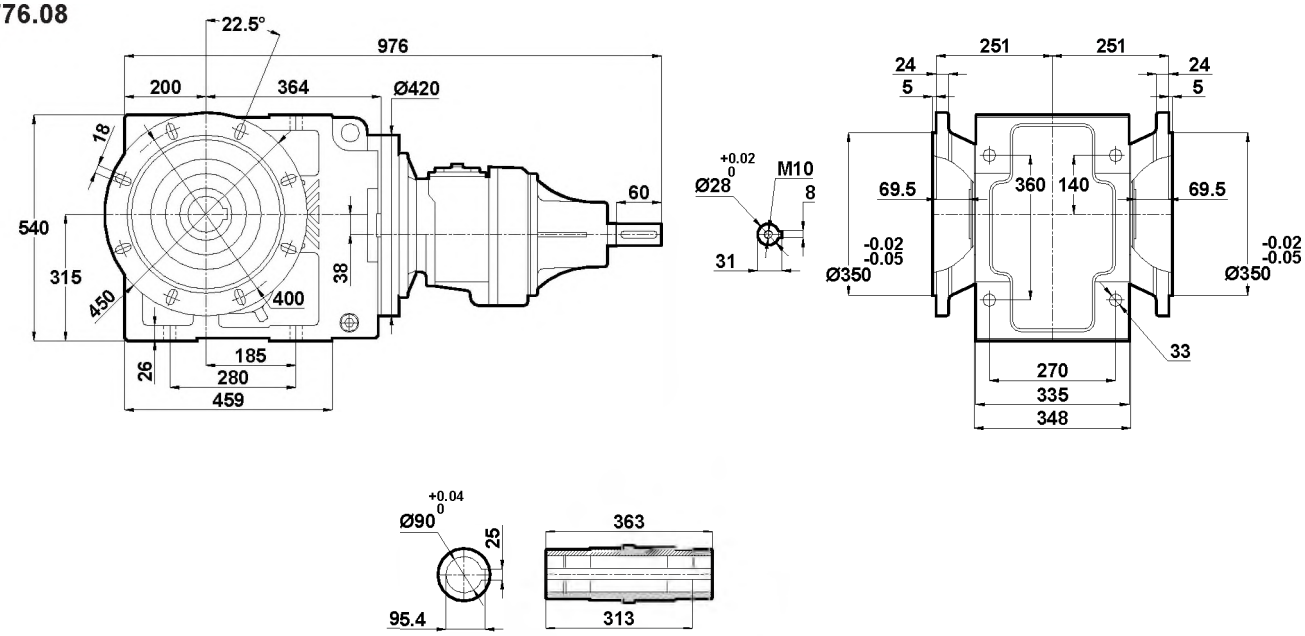


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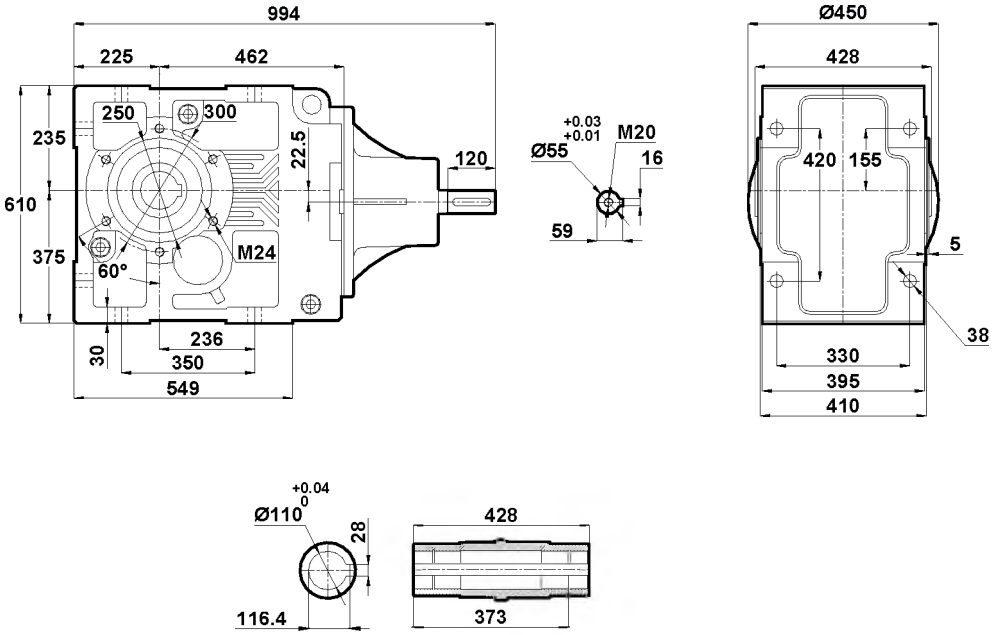
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT775.08
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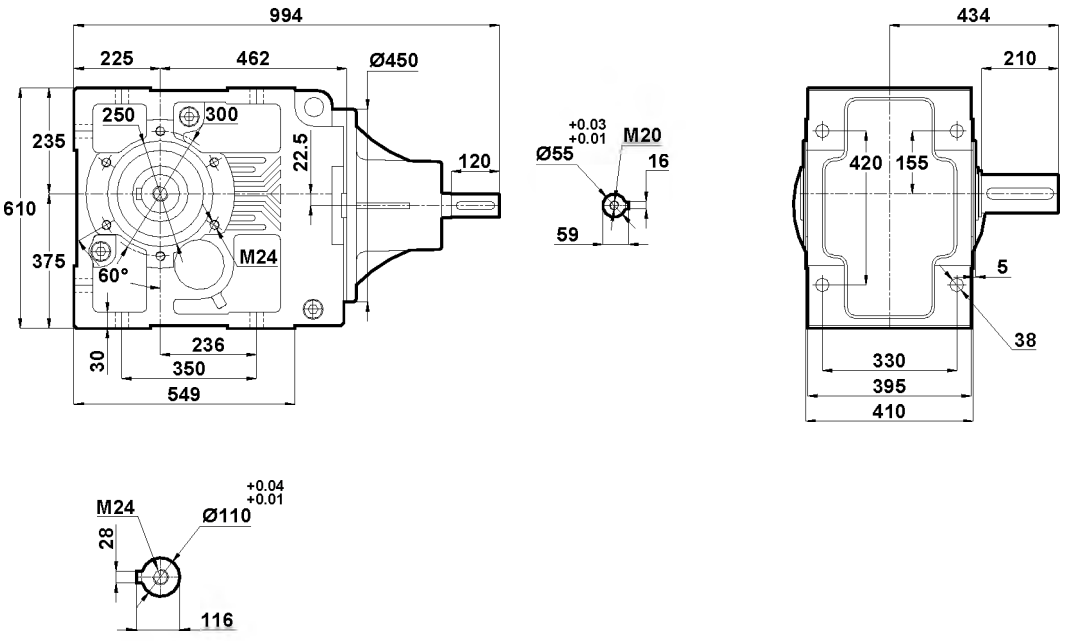


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT873.00

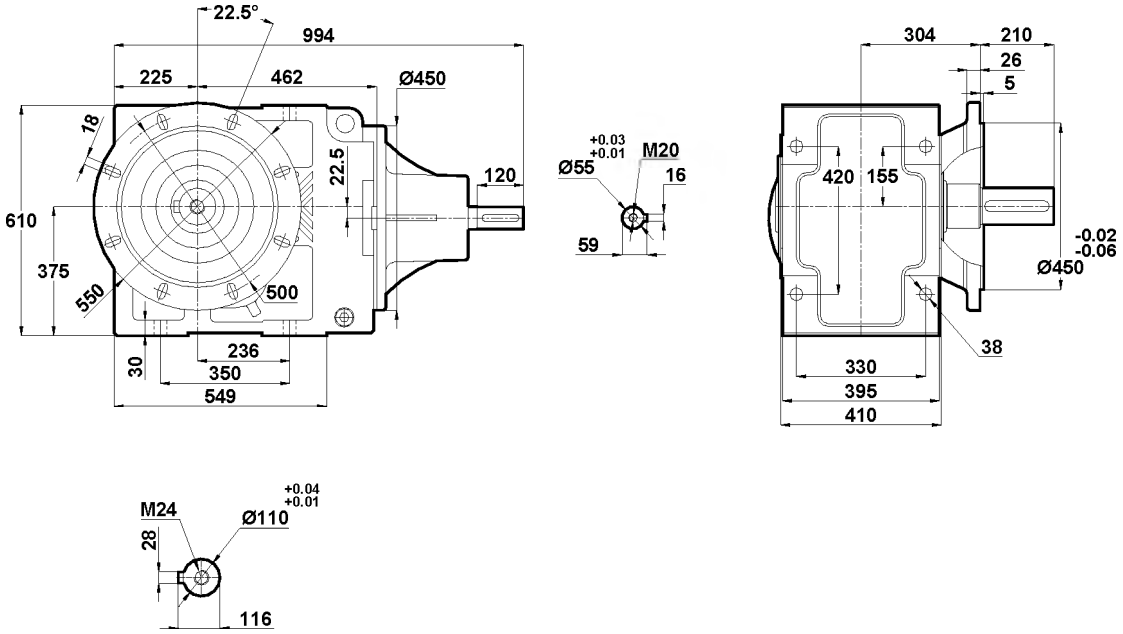


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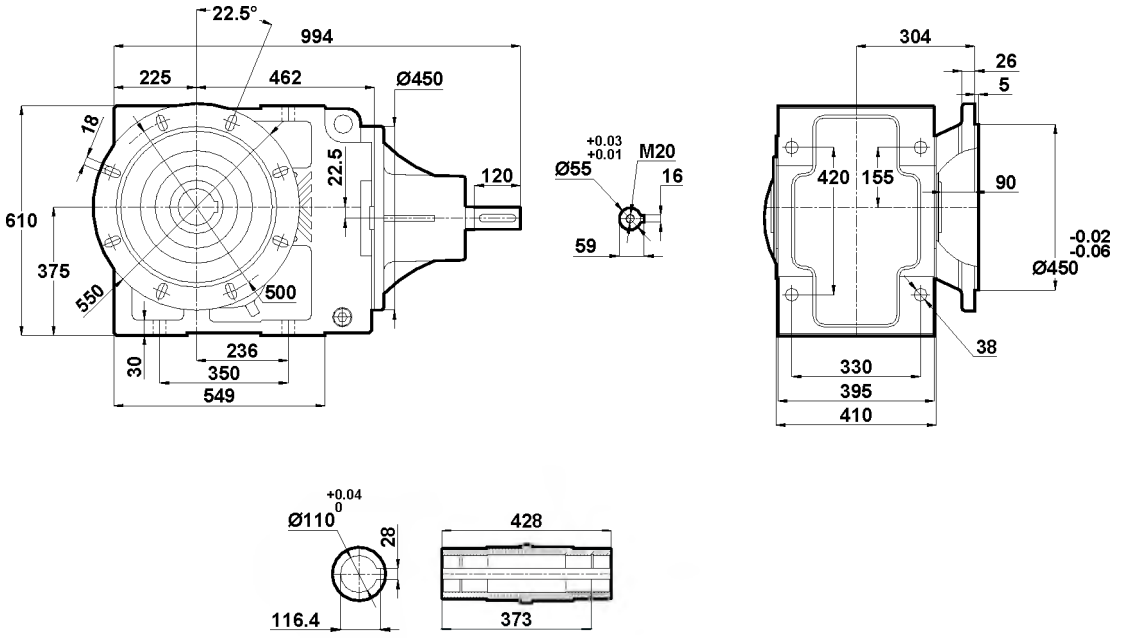


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT873.02

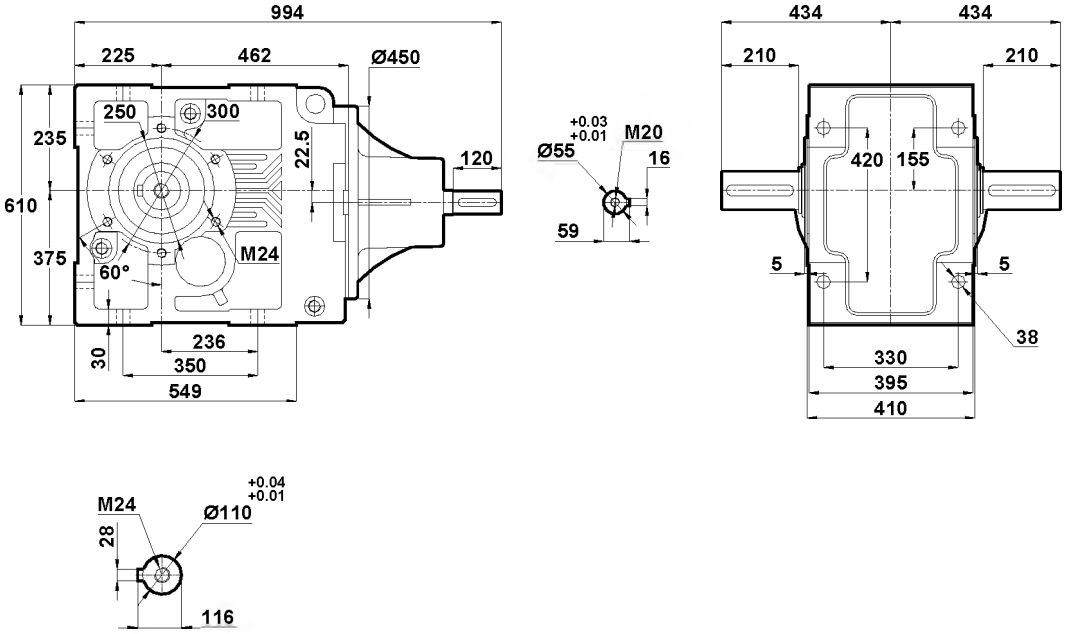


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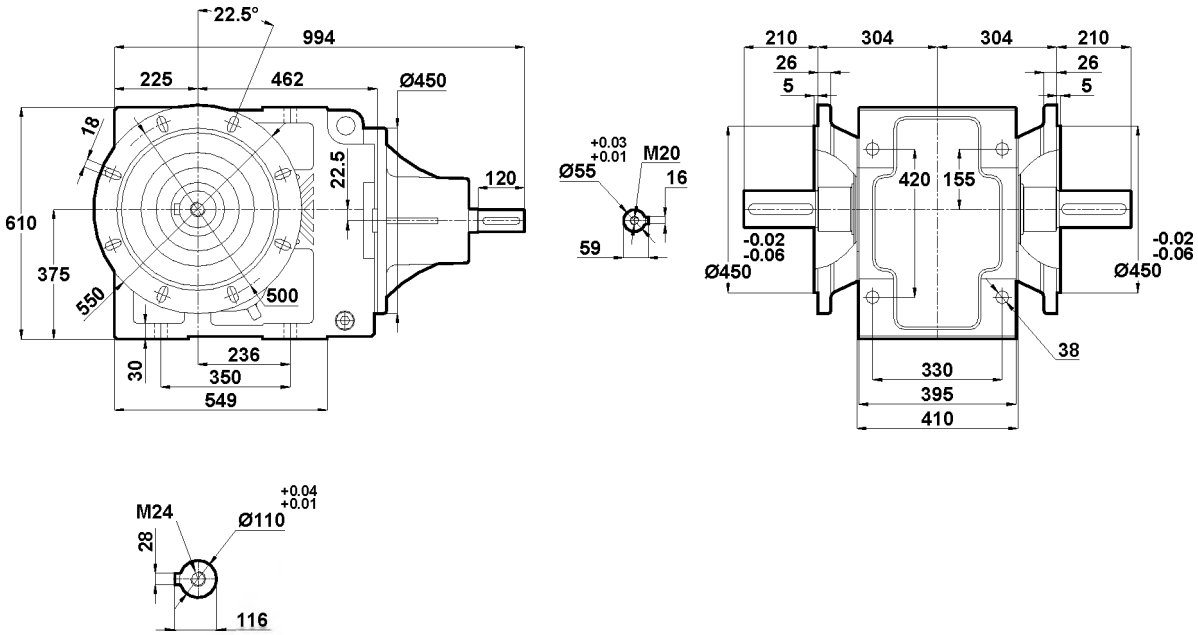


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT873.04

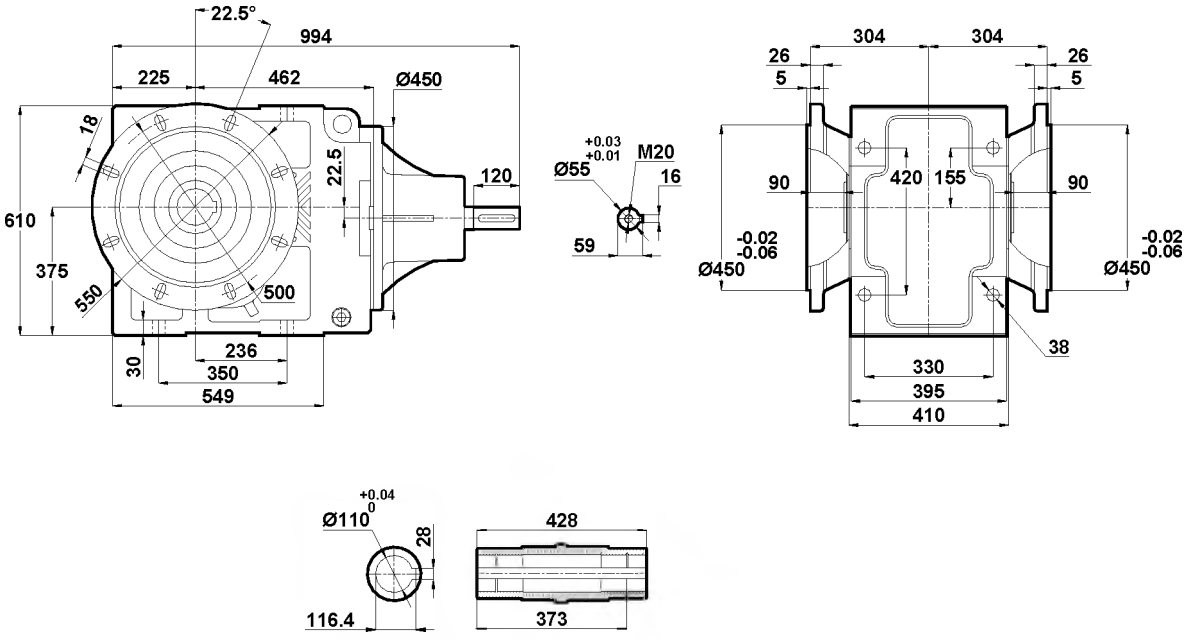


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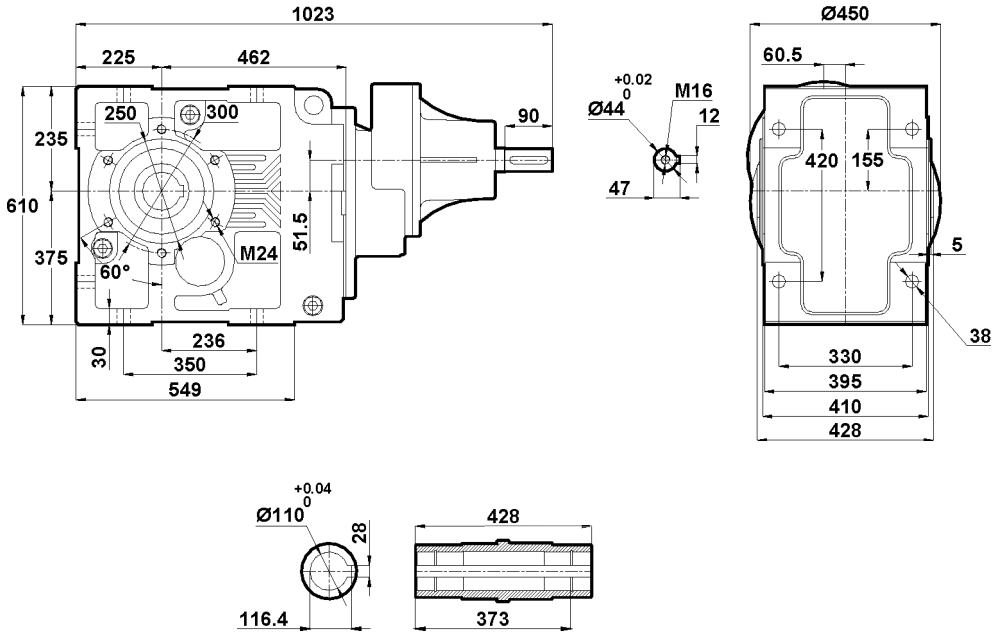
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT873.08

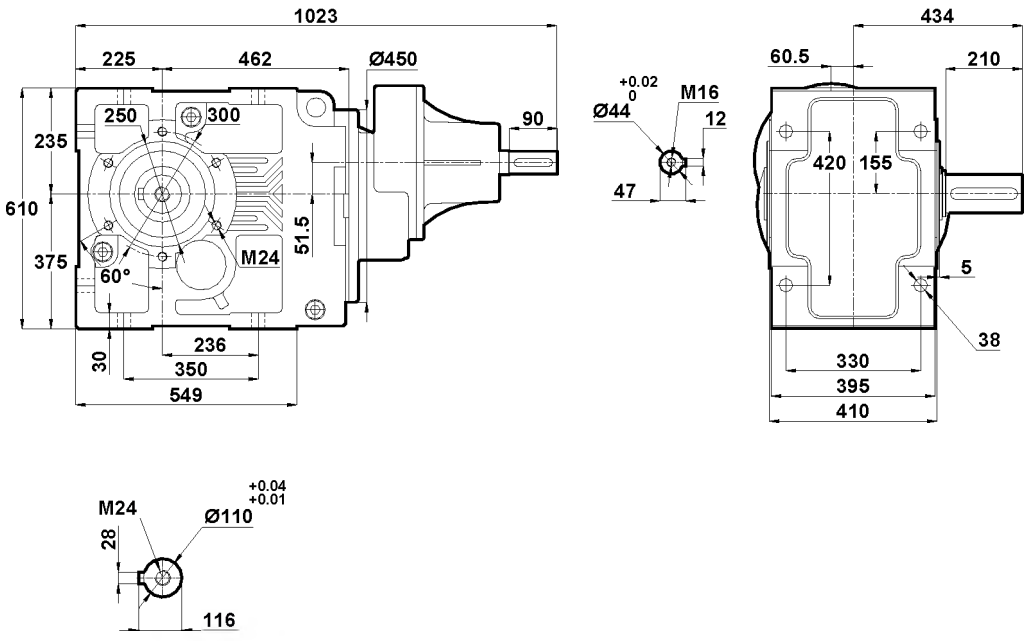


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT874.00

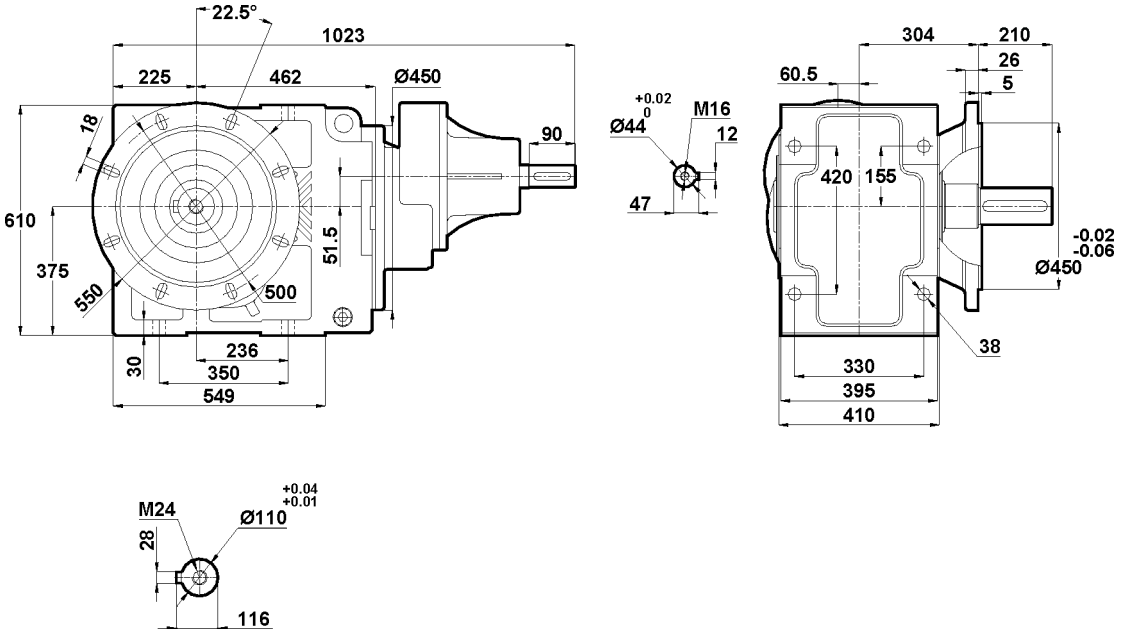


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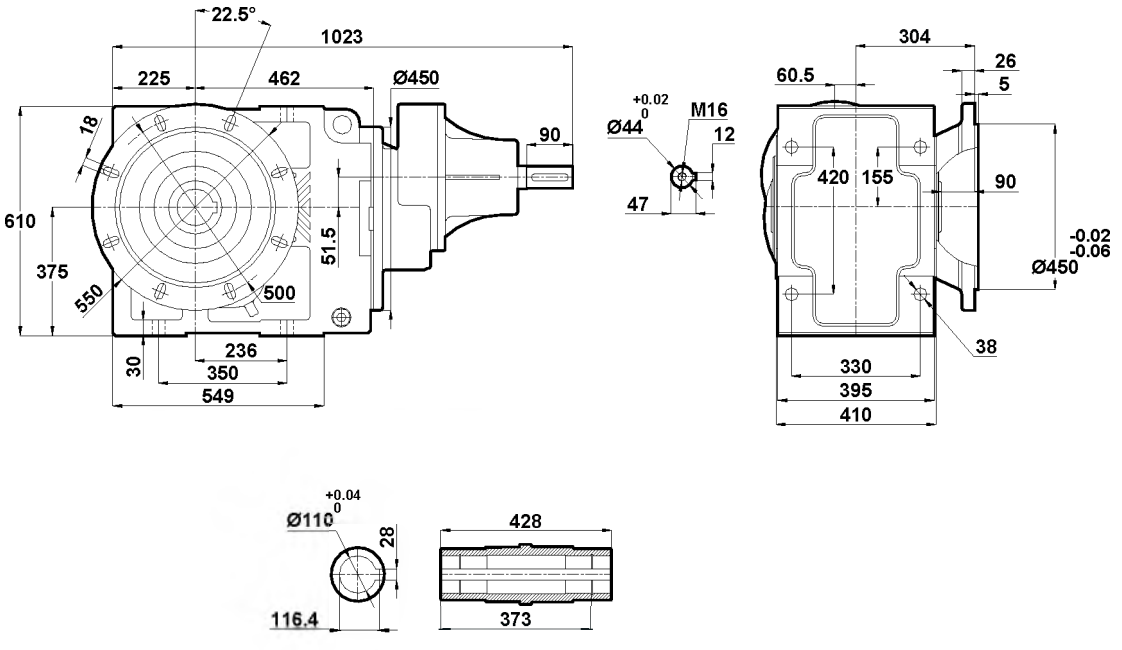


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT874.02

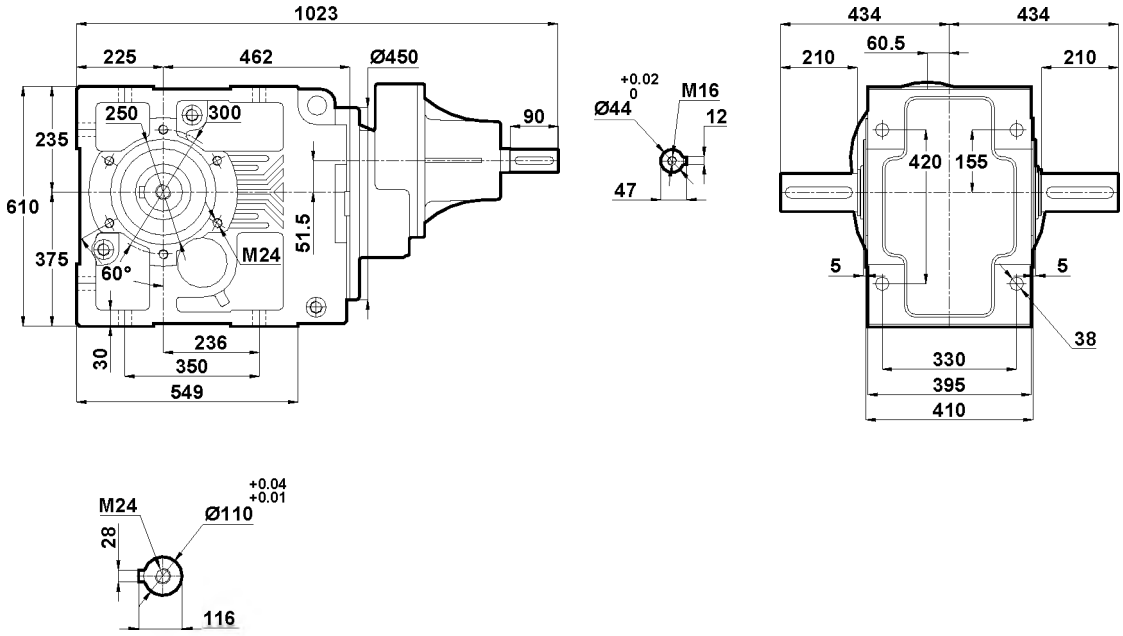


KT874.03

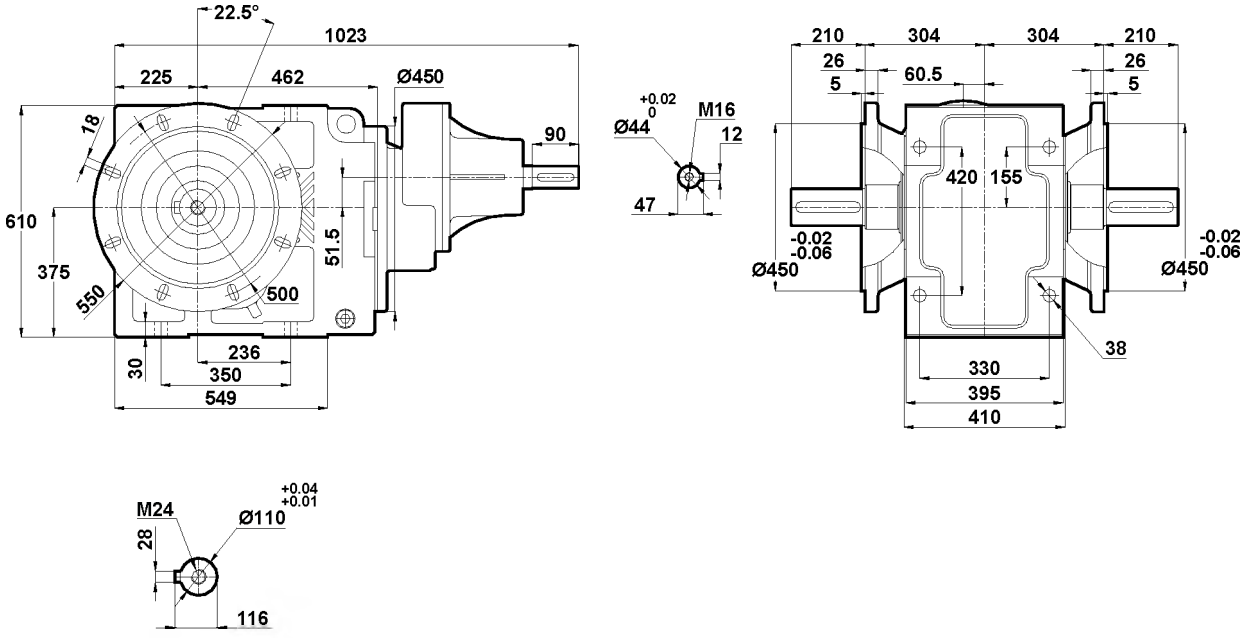


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT874.04

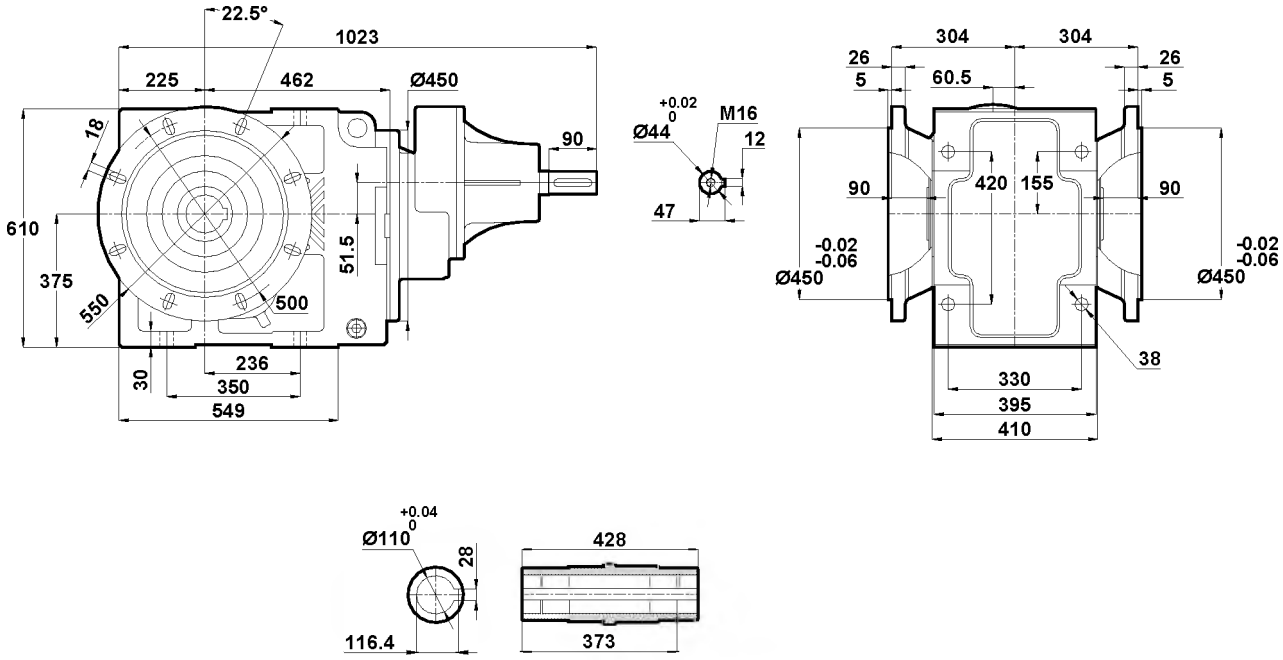


KT874.05



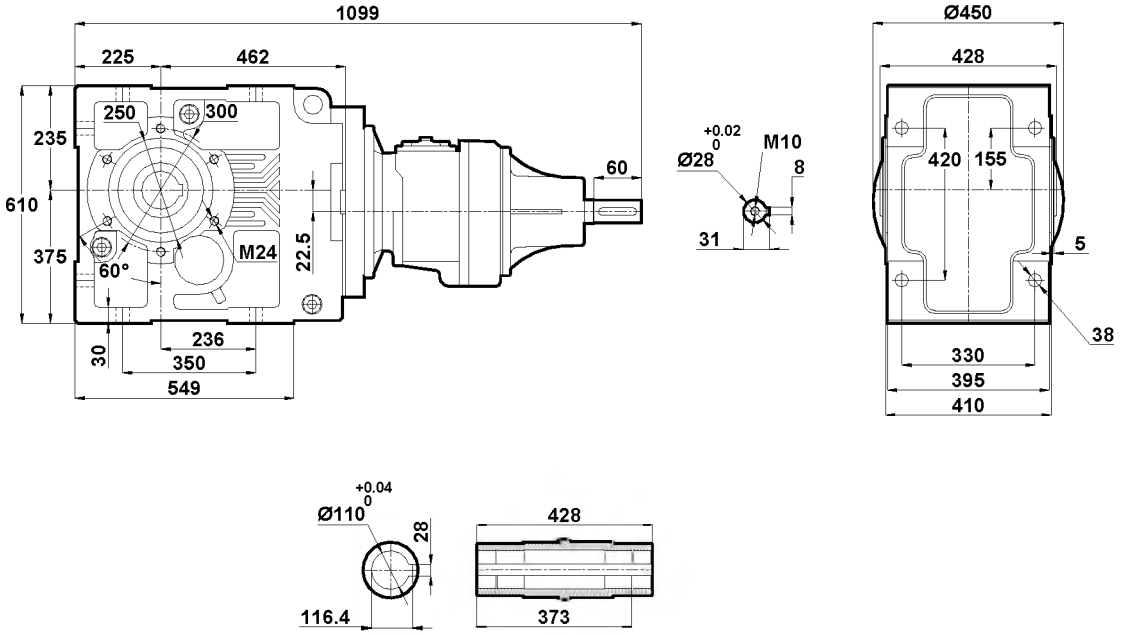
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT874.08

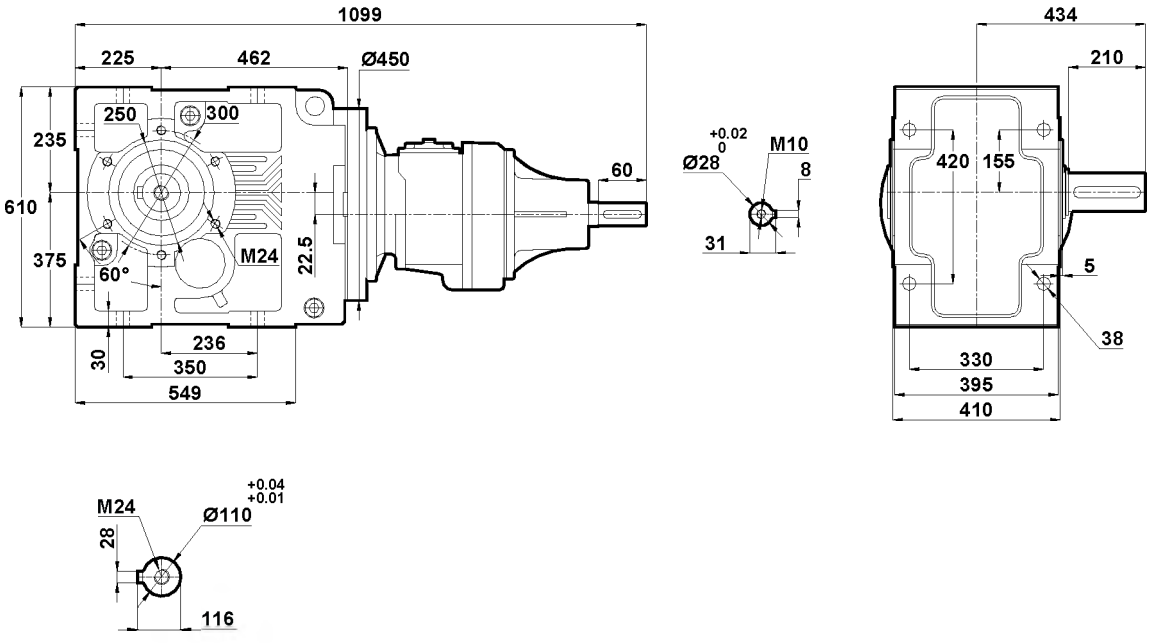


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT875.00
KT876.00

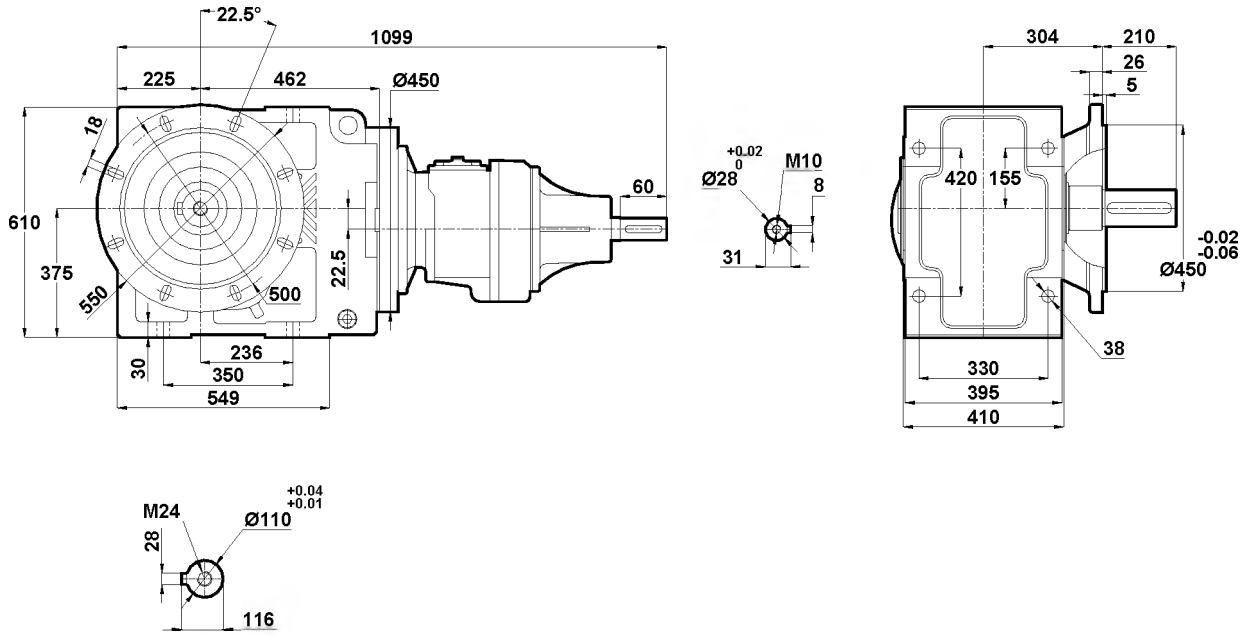


KT875.01
KT876.01

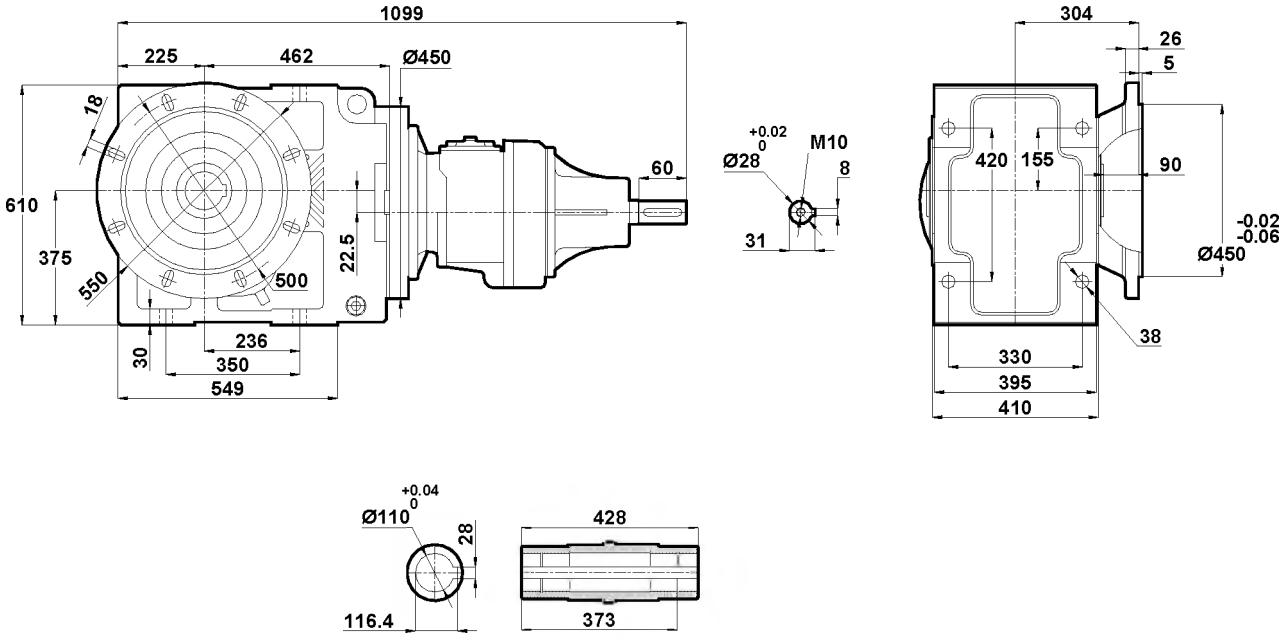


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT875.02
KT876.02

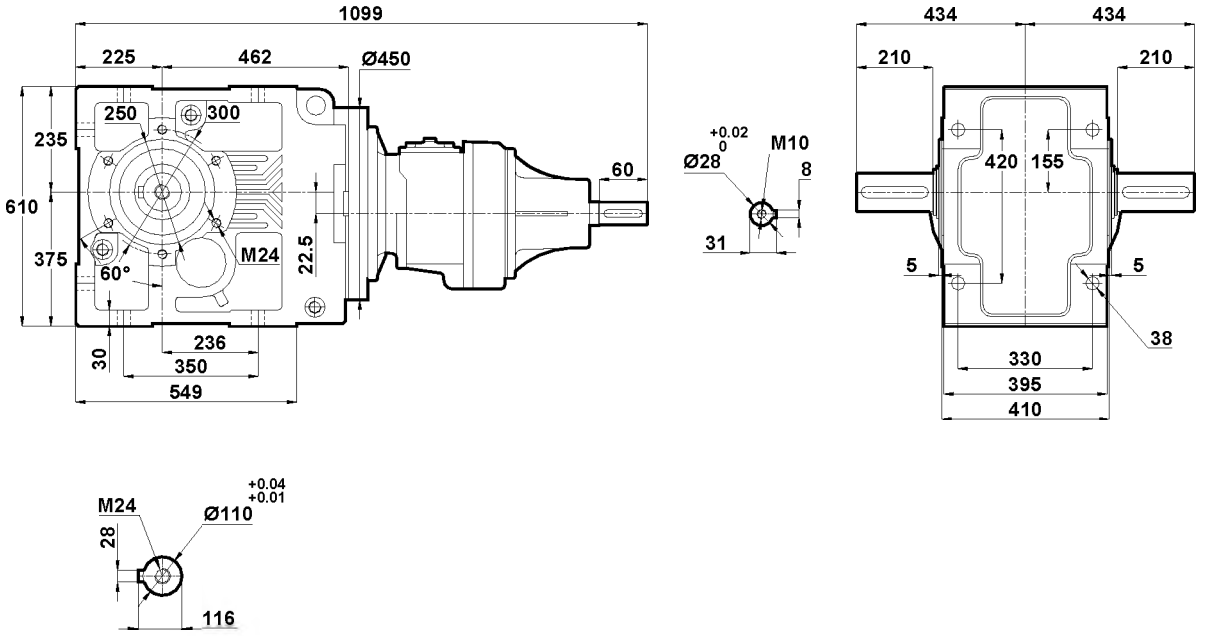


KT875.03
KT876.03

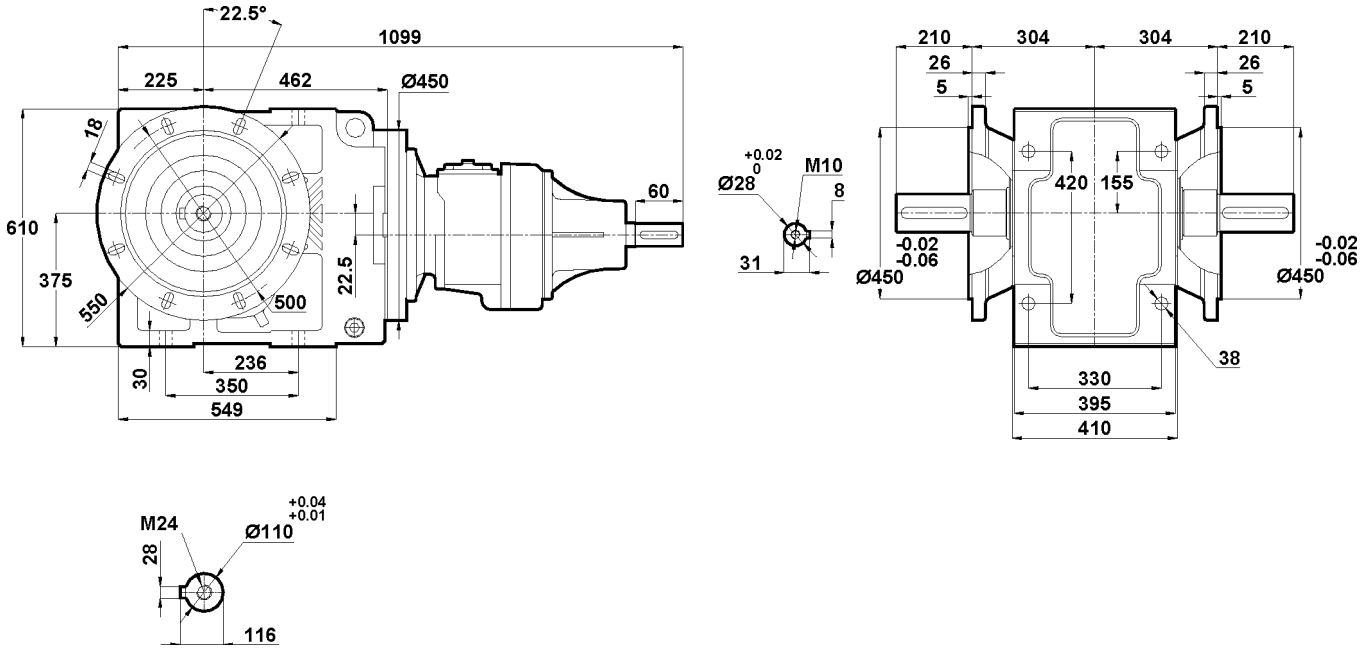


Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

KT875.04
KT876.04

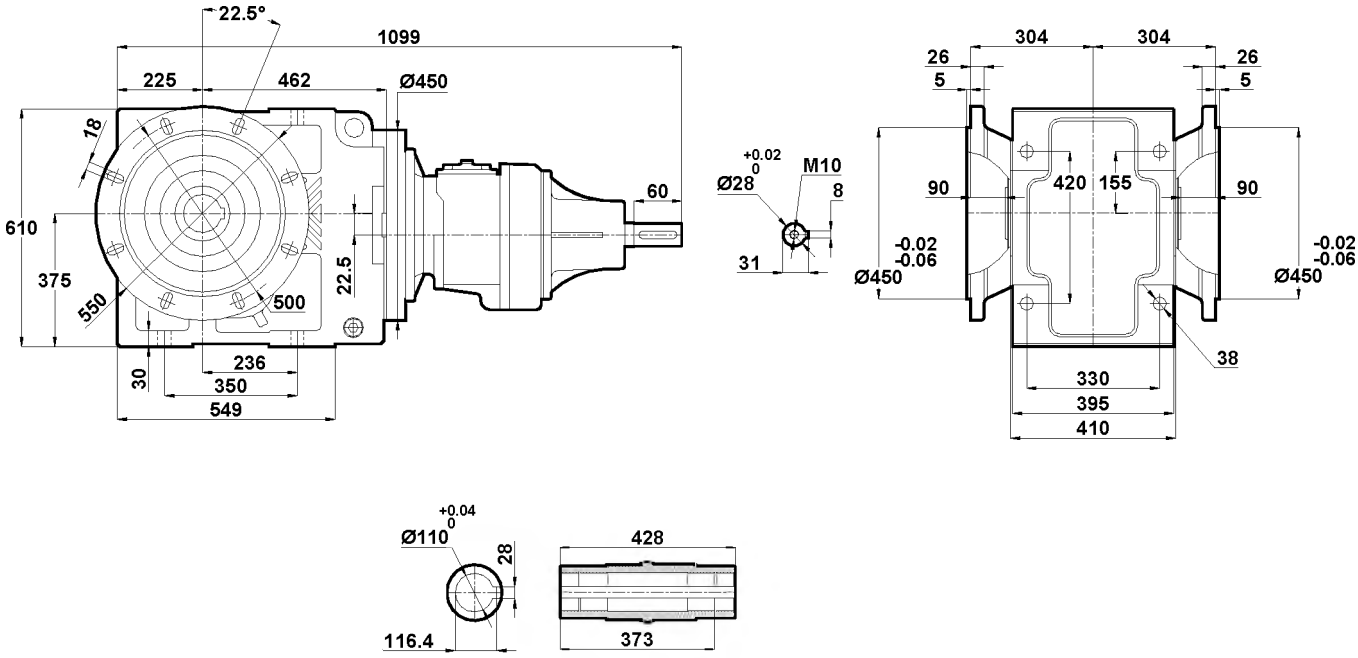


KT875.05
KT876.05



Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

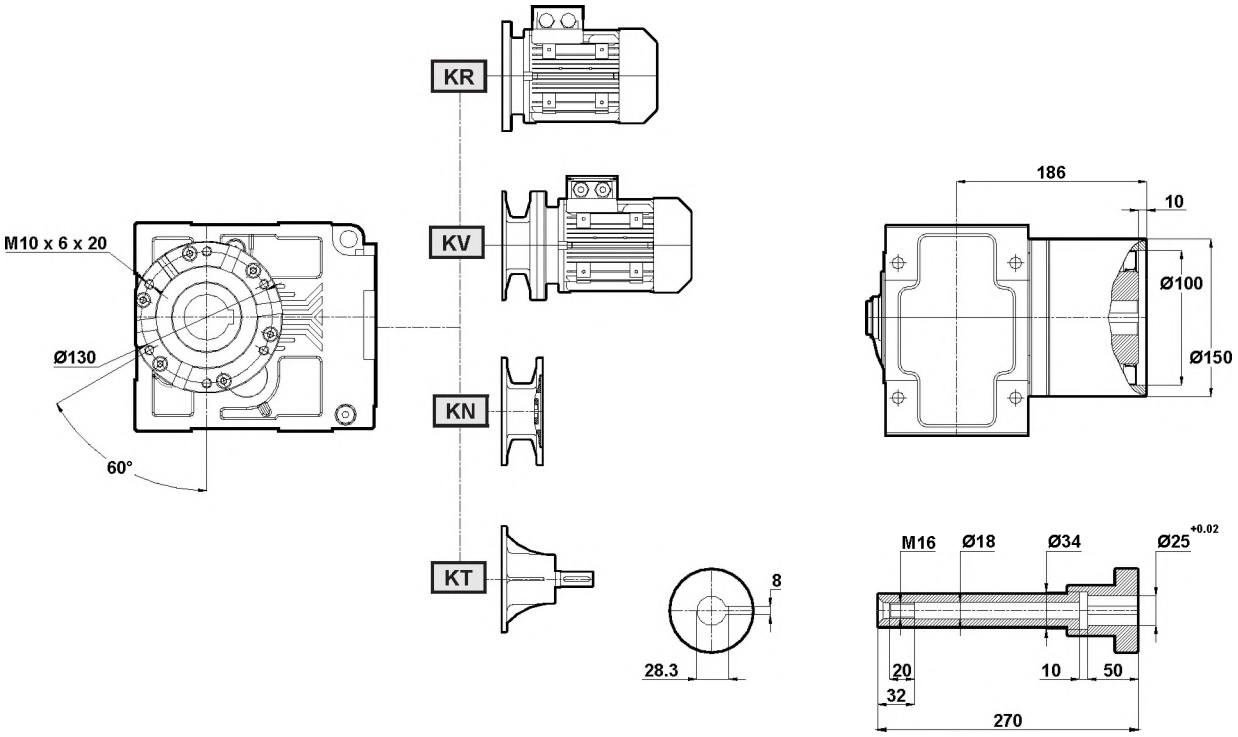
KT875.08
KT876.08



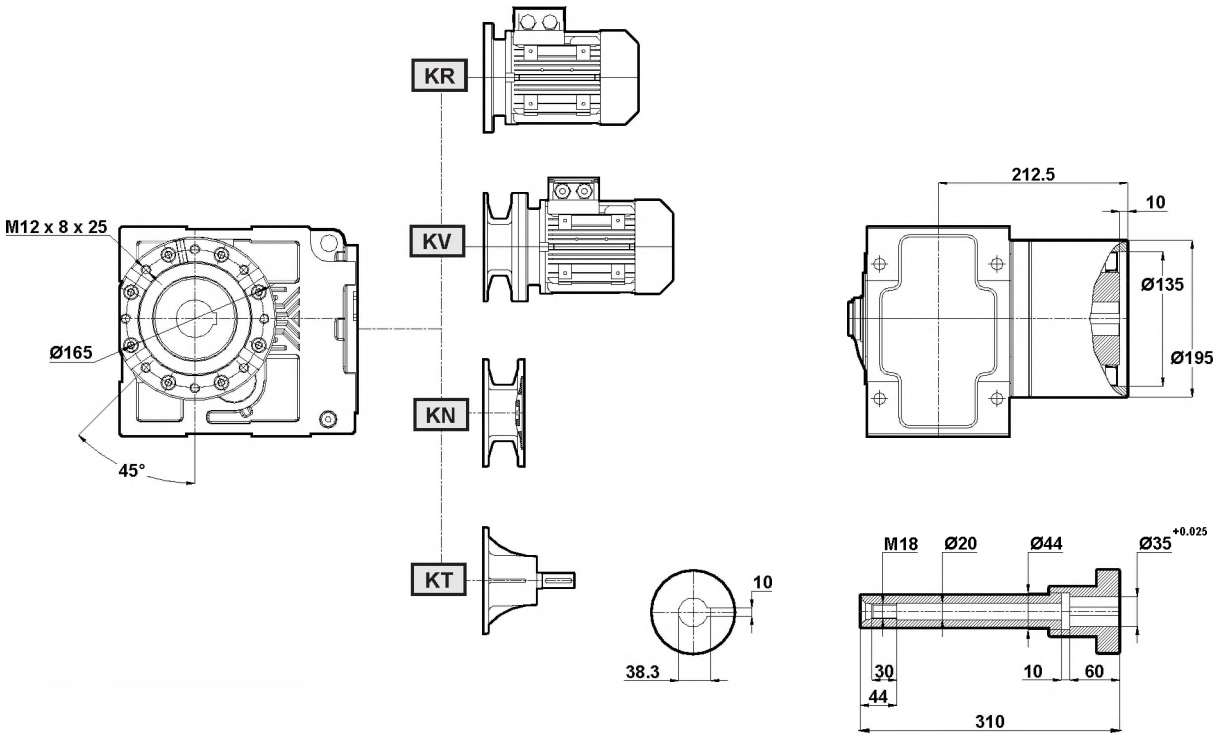
Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped centerhole to DIN 332, sheet 2* / Zentrierung mit Gewinde DIN 332, Blatt 2

K SERISI EKSTRUDER TİP REDÜKTÖRLER
K SERIES EXTRUDER TYPE GEARBOXES
EXTRUDER GETRIEBEN VON K SERIE GETRIEBEN

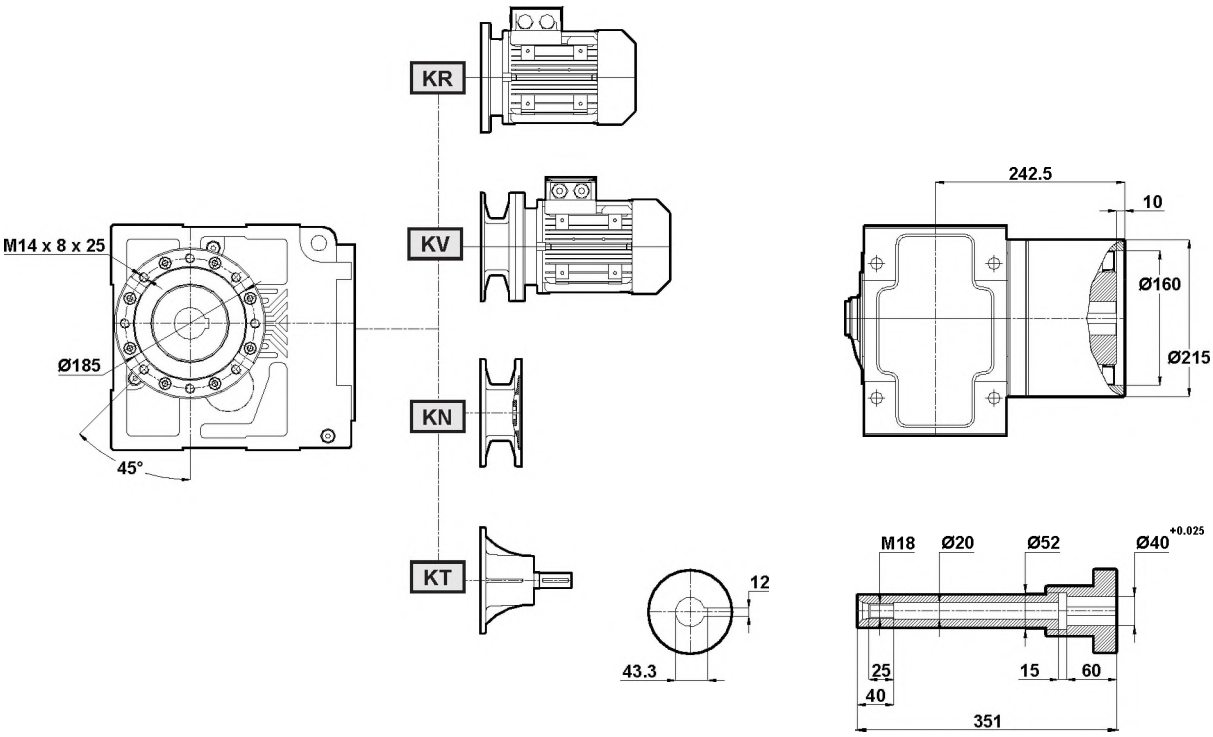
K.27.E



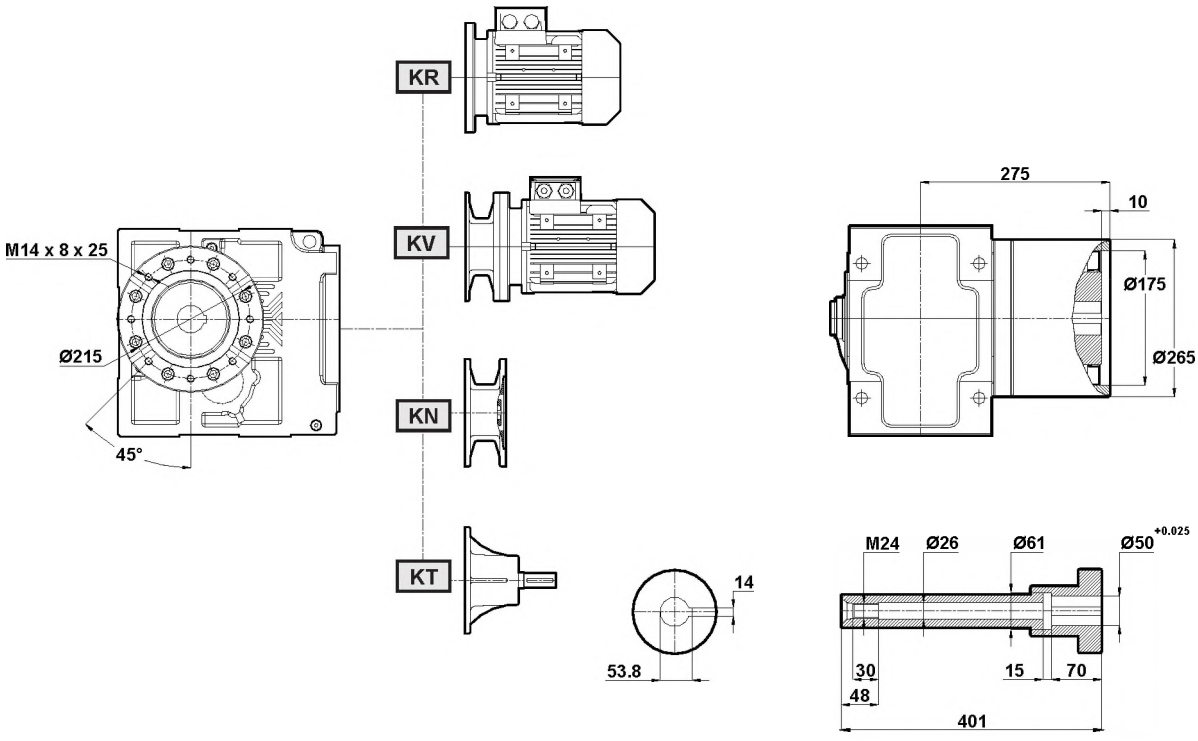
K.37.E



K.47.E

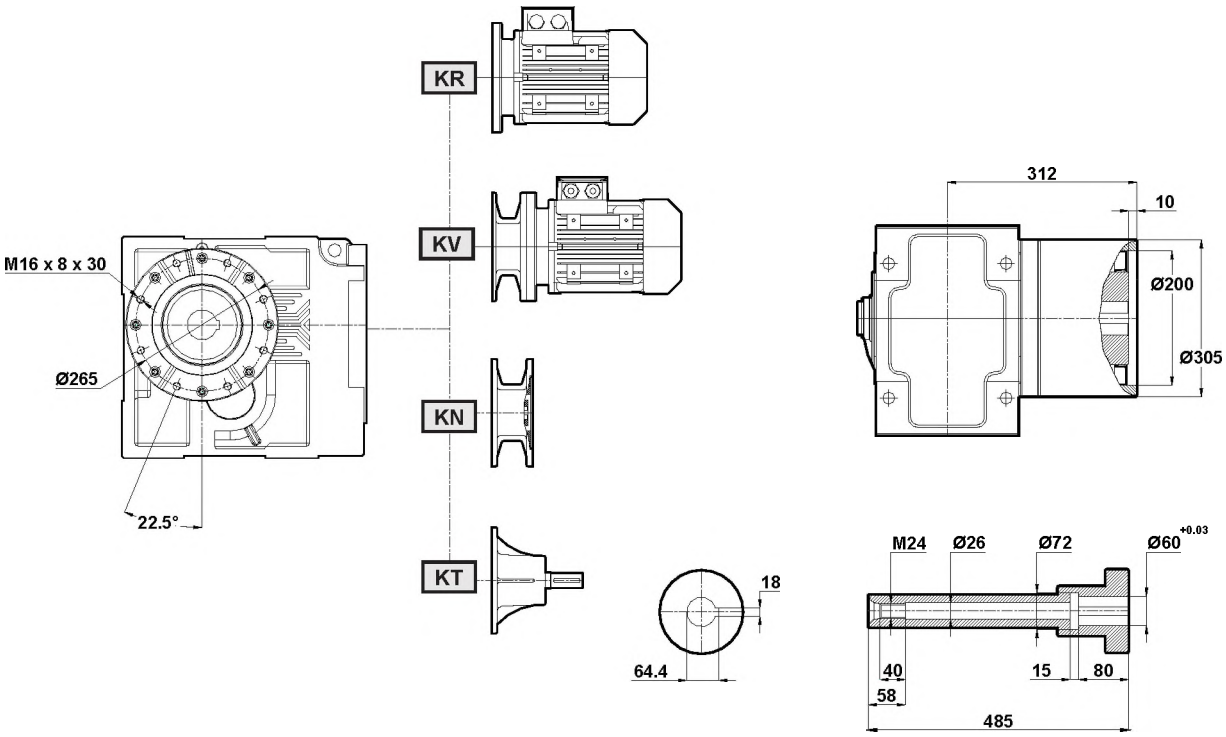

KR
KV
KN
KT
M14 x 8 x 25
Ø185
45°
242.5
10
Ø160
Ø215
12
43.3
M18
Ø20
Ø52
Ø40 +0.025
25
40
15
60
351

K.57.E

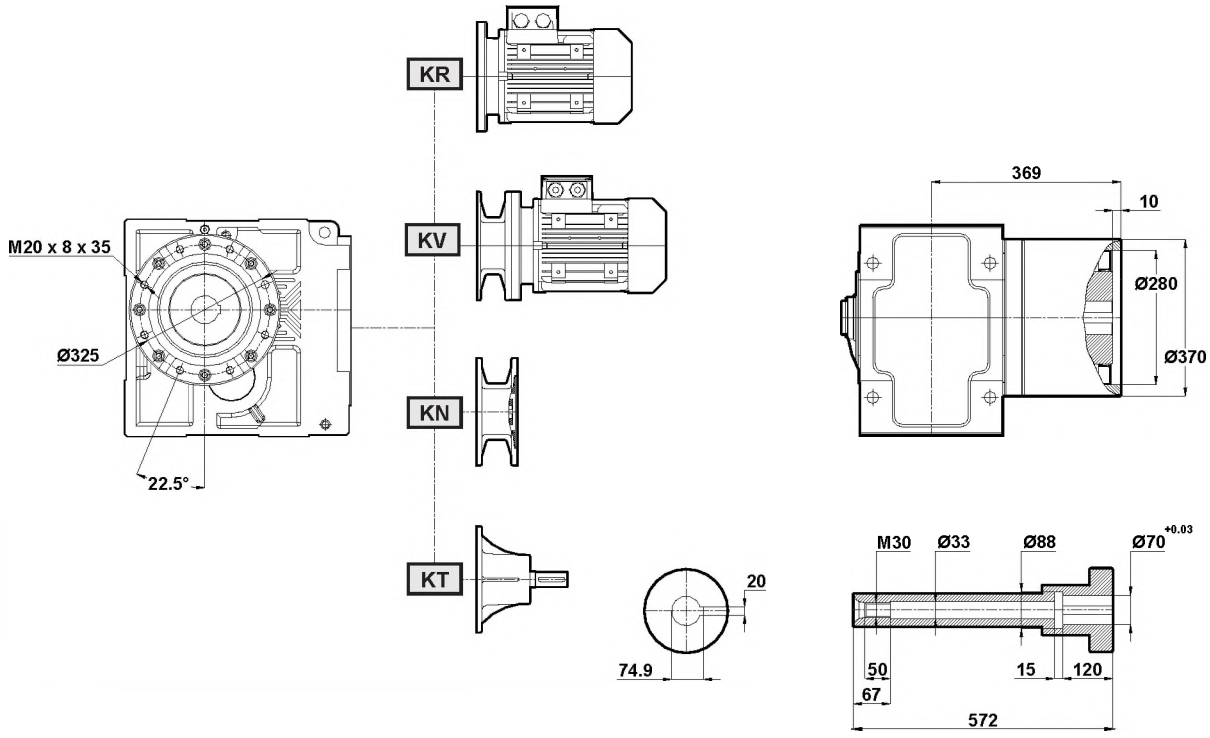

KR
KV
KN
KT
M14 x 8 x 25
Ø215
45°
275
10
Ø175
Ø265
14
53.8
M24
Ø26
Ø61
Ø50 +0.025
30
48
15
70
401

Foro di centraggio filettato secondo DIN 332 foglio 2 / *Tapped center hole to DIN 332, sheet 2* / Zentrierung mit gewinde DIN 332, Blatt 2

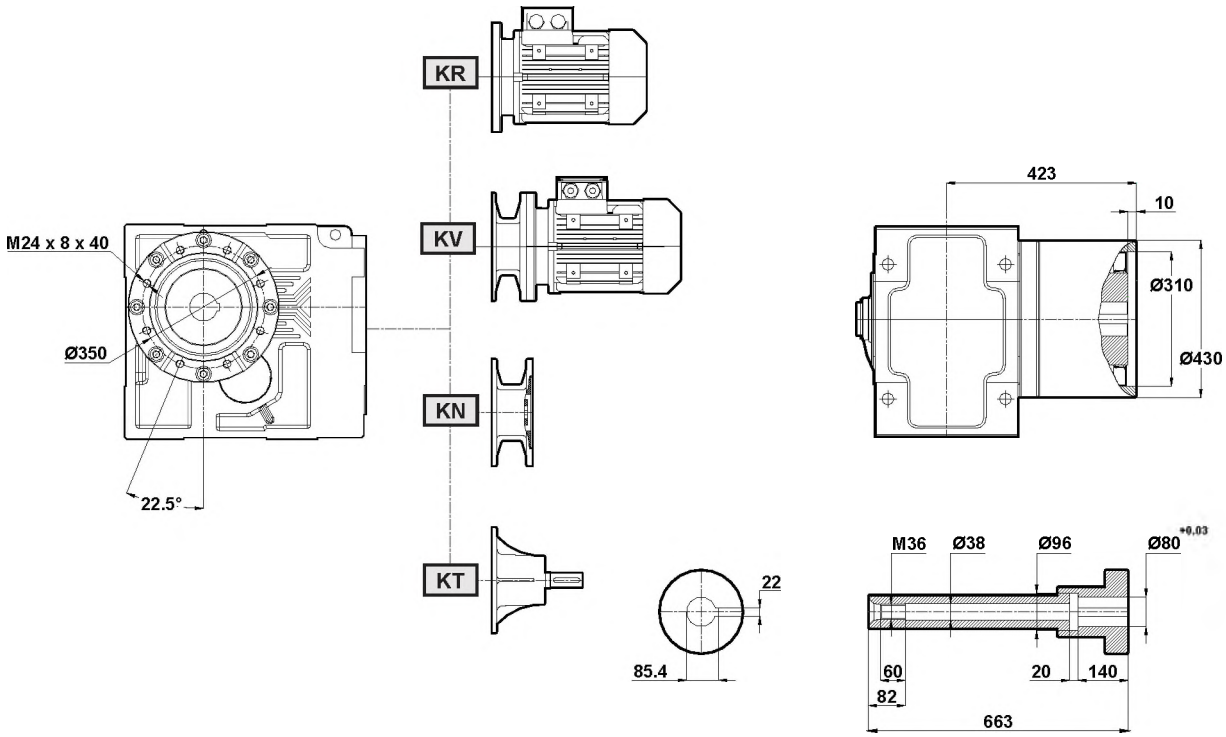
K.67.E



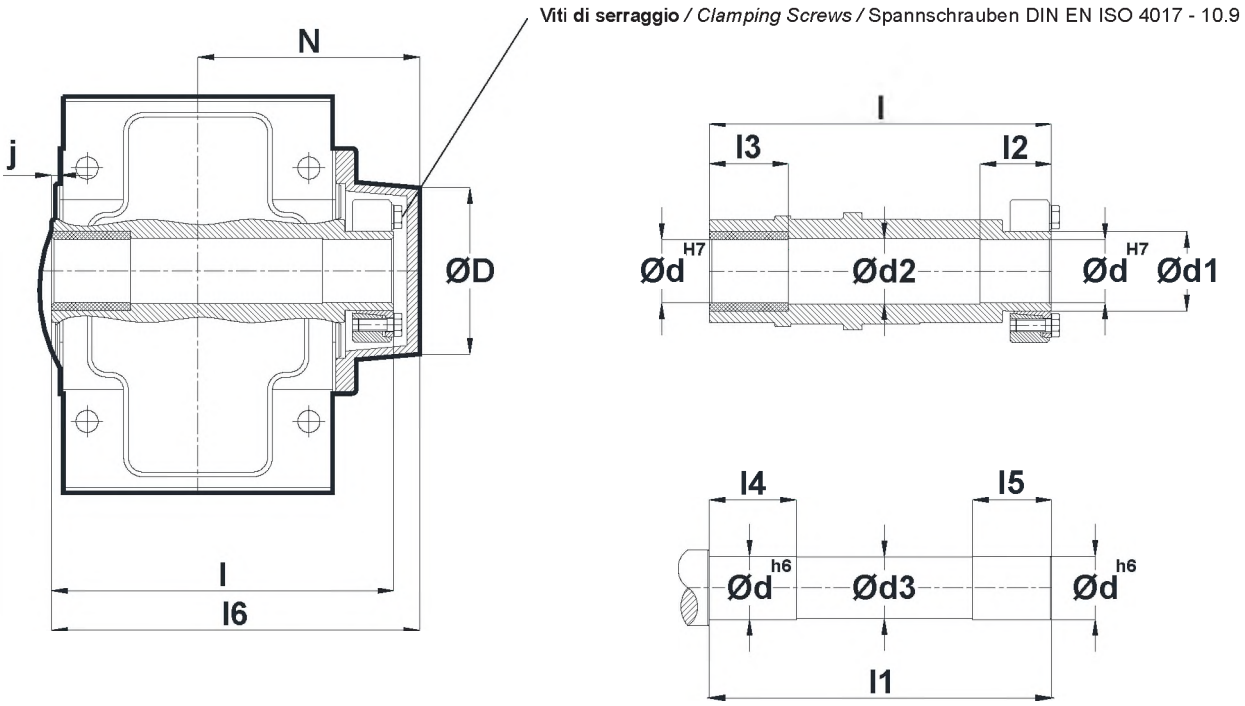
K.77.E



K.87.E

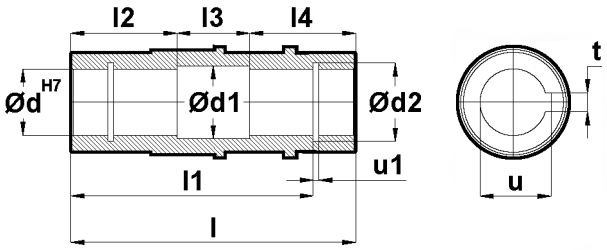

KR
KV
KN
KT
M24 x 8 x 40
Ø350
22.5°
423
10
Ø310
Ø430
22
85.4
M36
Ø38
Ø96
Ø80 +0.03
60
82
20
140
663

ALBERO CAVO SERIE K CON CONNETTORE PER GIUNTO AD ATTRITO
K SERIES HOLLOW SHAFT WITH SHRINK DISK CONNECTOR
K SERIE HOHLWELLE MIT SCHRUMPFSCHEIBE



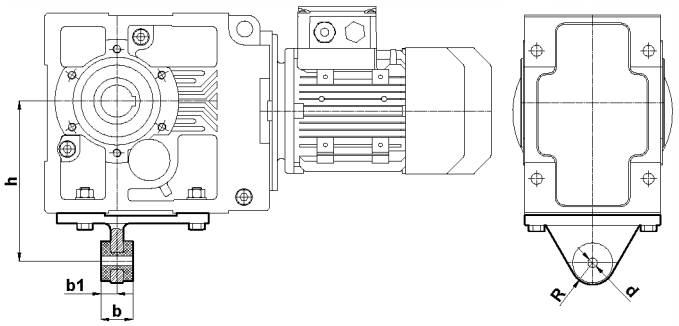
	ØD	Ød	Ød1	Ød2	Ød3	l	l1	l2	l3	l4	l5	l6	N	j	M x z	Ta [Nm]
K..00..0S	69	20	24	21	19	137	140	27	20	25	35	147	89.5	4	M6 x 5	12
K..10..0S	88	30	38	31	29	147	150	32	22	27	40	161	101	4	M8 x 5	30
K..20..0S	94	35	44	36	34	170	173	35	25	30	43	183	113	5	M8 x 6	30
K..27..0S	98	35	44	36	34	186	189	35	25	30	43	201	122.5	4.5	M8 x 6	30
K..37..0S	106	40	50	41	39	216	219	40	35	40	48	233	140.5	5.5	M8 x 8	30
K..47..0S	129	50	62	51	49	249	252	45	40	45	53	236.5	156	5.5	M8 x 9	30
K..57..0S	164	60	75	61	59	282	285	50	45	50	58	302.5	179.5	5.5	M10 x 10	59
K..67..0S	164	70	80	71	69	345	348	55	50	55	63	364	210	6	M10 x 10	59
K..77..0S	219	90	110	91	79	418	421	70	60	70	83	438.5	257	7.5	M12 x 12	100
K..87..0S	260	110	130	111	109	492	495	80	70	80	93	517	303	9	M14 x 9	160

DIMENSIONI ALBERO CAVO PER RIDUTTORI SERIE K
HOLLOW SHAFT DIMENSIONS FOR K SERIES GEARBOXES
HOHLWELLEABMESSUNGEN VON K SERIE GETRIEBEN

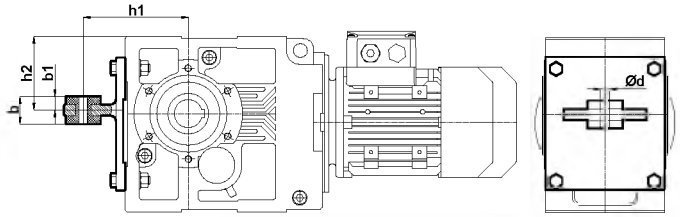


Tip *Type* Typ	d	d1	d2	l	l1	l2	l3	l4	u1	t	u
K.00..	20	21	21	115	100	40	35	40	1.1	6	22.8
K.10..	30	31	31.4	120	105	45	30	45	1.3	8	33.3
K.20..	35	36	36.4	140	120	55	30	55	1.6	8	38.3
K.27..	35	36	37	157	132	60	37	60	1.6	10	38.3
K.37..	40	41	42.5	185	156	70	45	70	1.85	12	43.3
K.47..	50	51	53	215	183	82	51	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

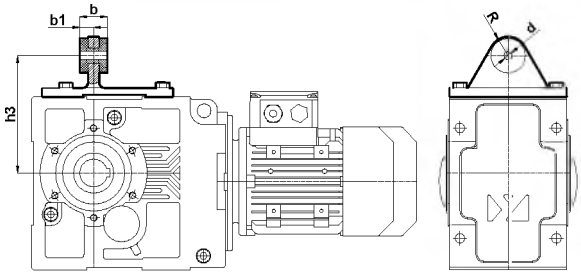
K.27.. - K.87.. DETTAGLI DI ASSEMBLAGGIO BRACCIO DI TORSIONE
K.27.. - K.87.. TORQUE ARM ASSEMBLY DETAILS
K.27.. - K.87.. DREHMOMENTSTÜTZE MONTAGE ZEİCHNUNGEN



Std



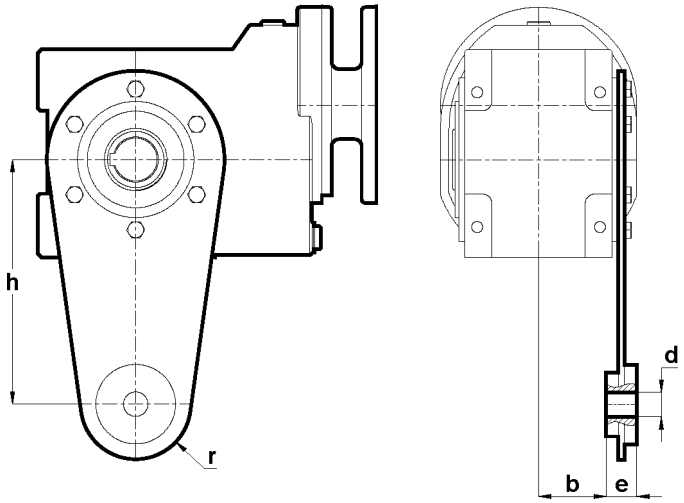
T1



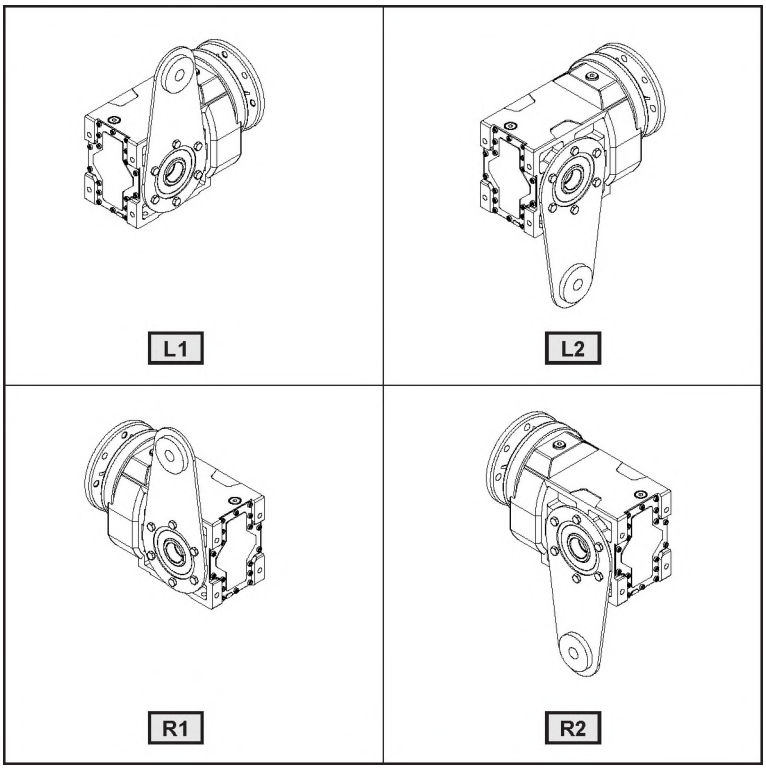
T2

					Std	T1		T2
Tip	**b**	**b1**	**d**	**R**	**h**	**h1**	**h2**	**h3**
KR273.10	56	28	17	22,5	160	119	73	141
KR373.10	74	37	22	27,5	200	150	105	170
KR473.10	78	39	22	27,5	250	182	155	210
KR573.10	105	52,5	26	42,5	300	220	180	251
KR673.10	110	55	26	42,5	350	245	200	260
KR773.10	155	77,5	32	50	450	335	260	360
KR873.10	160	80	32	55	550	400	263	410

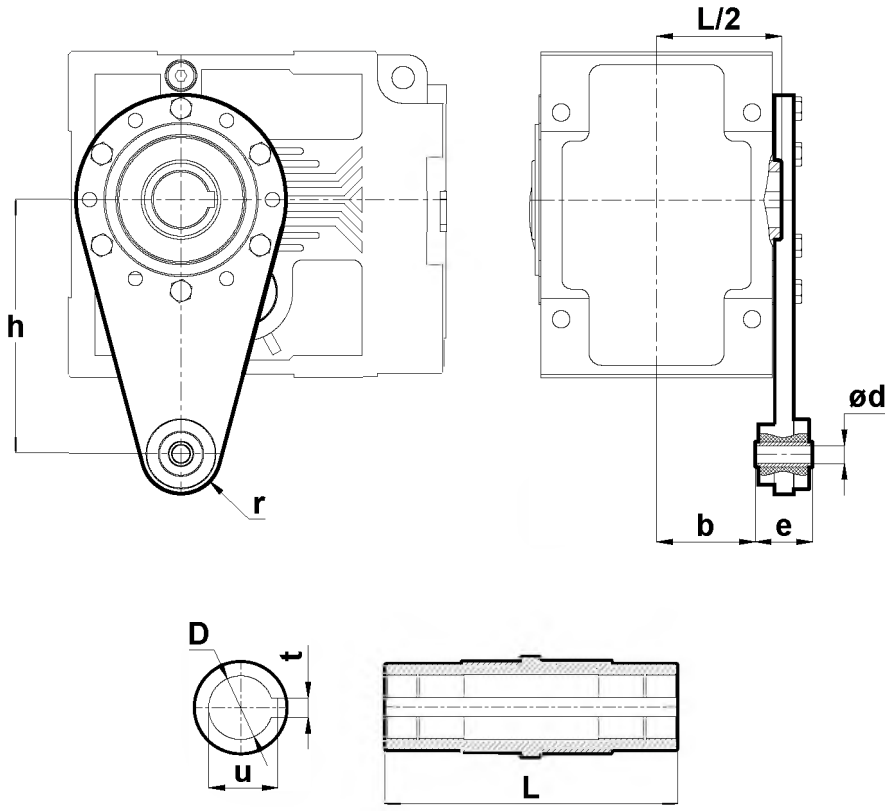
K.00.. - K.20.. DETTAGLI DI ASSEMBLAGGIO BRACCIO DI TORSIONE
K.00.. - K.20.. TORQUE ARM ASSEMBLY DETAILS
K.00.. - K.20.. DREHMOMENTSTÜTZE MONTAGE ZEİCHNUNGEN



Tipo *Type* Typ	b	e	d	r	h
K.00..	47	16	10	32	100
K.10..	49.5	16	10	36	150
K.20..	54.5	25	20	45	200

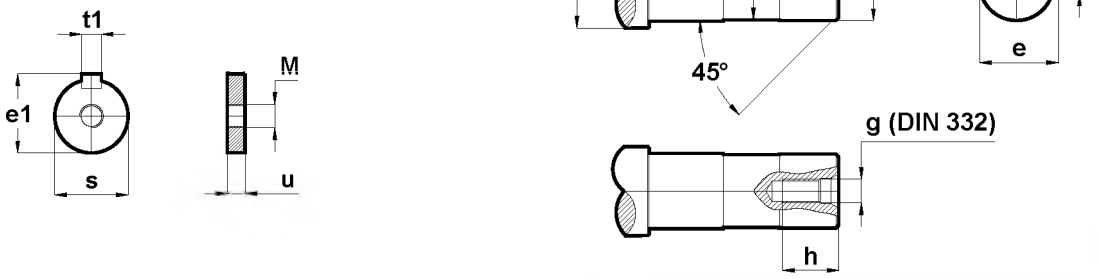


K.273.. - K.773.. DETTAGLI DI ASSEMBLAGGIO BRACCIO DI TORSIONE
K.273.. - K.773.. TORQUE ARM ASSEMBLY DETAILS
K.273.. - K.773.. DREHMOMENTSTÜTZE MONTAGE ZEICHNUNGEN



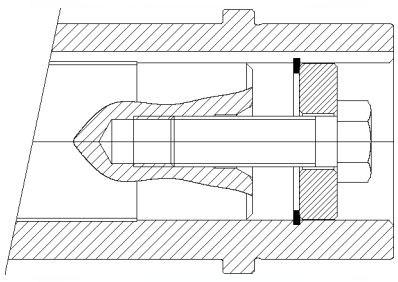
Tipo *Type* Typ	b	e	ød	r	h	D	t	u	L
K.273	62	36	ø11	25	160	35	10	38,3	157
K.373	63	60	ø16,5	35	200	40	12	43,3	185
K.473	78	60	ø16,5	35	250	50	14	53,8	215
K.573	73,5	100	ø25	48	300	60	18	64,4	246
K.673	105,5	100	ø25	54	380	70	20	74,9	308
K.773	131,5	100	ø25	58	450	90	25	95,4	363
K.873	155	120	ø32	70	550	110	28	116,4	428

DIMENSIONI DEGLI ALBERI RACCOMANDATE E ACCESSORI USATI PER L'ASSEMBLAGGIO DEI RIDUTTORI SERIE K
ADVISED SHAFT DIMENSIONS AND ACCESSORIES USED FOR ASSEMBLING K SERIES GEARBOXES
EMPFOHLENE WELLEN MASSEN UND VERBINDUNGSELEMENTE BEI MONTAGE FÜR K SERIE GETRIEBE

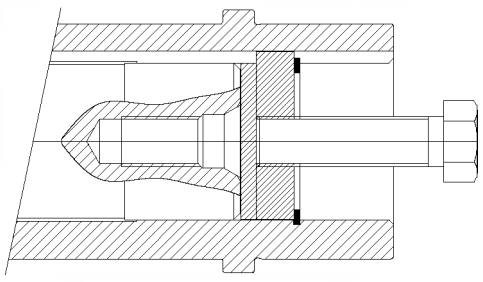


Tipo *Type* Typ	s	u	e1	t1	M	d	d1	m1	f	b	b1	b2	b3	c	g	h	e	t
K.00..	19.7	10	22	5.5	M10	20	19	24	5	86	45	25	16	0.5	M6	18	22.5	6
K.10..	29.7	10	33	7.5	M12	30	29	36		90	50	20	20	1	M10	24	33	8
K.20..	34.7	12	38	9.5	M16	35	34	43		102	60	20	22	1	M12	30	38	10
K.27..	34.7	12	38	9.5	M16	35	34	43		114	65	27	22	1	M12	30	38	10
K.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

Montaggio albero / *Shaft Mounting* / Einziehen

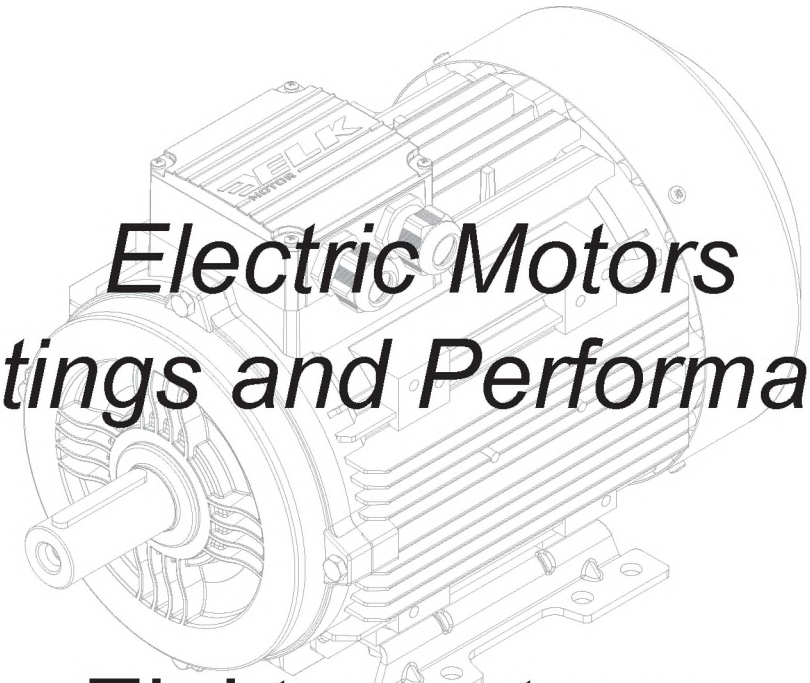


Estrazione albero /*Shaft Pulling Out* / Heraus Drücken



6 Vite a testa esagonale / *6 Contour Bolt* / Sechskantschraube
(DIN ISO 4014 . DIN ISO 4017)
(DIN ISO 8765)

Taglie e prestazioni dei motori elettrici



Electric Motors Ratings and Performance

Elektromotoren Leistungsdaten

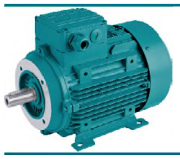


Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE3

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmo-ment	Momento di inerzia *Moment of Inertia* Tragheits-moment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Gerausch-pegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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)
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



Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE3

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmo-ment	Momento di inerzia *Moment of Inertia* Tragheits-moment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Gerausch-pegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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)
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

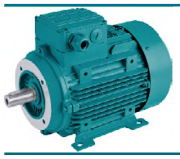


Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE3

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmo-ment	Momento di inerzia *Moment of Inertia* Tragheits-moment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Gerausch-pegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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)
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



Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE2

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmoment	Momento di inerzia *Moment of Inertia* Trägheitsmoment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Geräuschpegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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 Dati** / *IE1 Data* / IE1 Daten



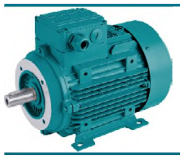
Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE2

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmo-ment	Momento di inerzia *Moment of Inertia* Tragheits-moment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Gerausch-pegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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)
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 Dati** / *IE1 Data* / IE1 Daten



Taglie e prestazioni dei motori elettrici
Electric Motors Ratings and Performance
Elektromotoren Leistungsdaten

400V 50Hz 3000 giri/min / *400V 50Hz 3000 rpm* / 400V 50Hz 3000 UpM

IE2

Tipo *Type* Typ	Dati a pieno carico *Full-load Data* Volllastdaten								Dati all'avvio *Starting Data* Startdaten		Coppia massima *Breakdown Torque* Kippmoment	Momento di inerzia *Moment of Inertia* Trägheitsmoment	B3 Peso motore *B3 Motor Weight* B3 Motor Gewicht	Livello di rumorosità *Noise Level* Geräuschpegel
	Potenza *Power* Leistung	Velocità *Speed* Drehzahl	Corrente *Current* Nennstrom	Momento *Torque* Drehmoment	Fattore di potenza *Power Factor* Leistungsfaktor	Efficienza % η *Efficiency % η* Wirkungsgrad % η			Corrente *Current* Nennstrom	Coppia *Torque* Drehmoment				
	kW	d/d *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)
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

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