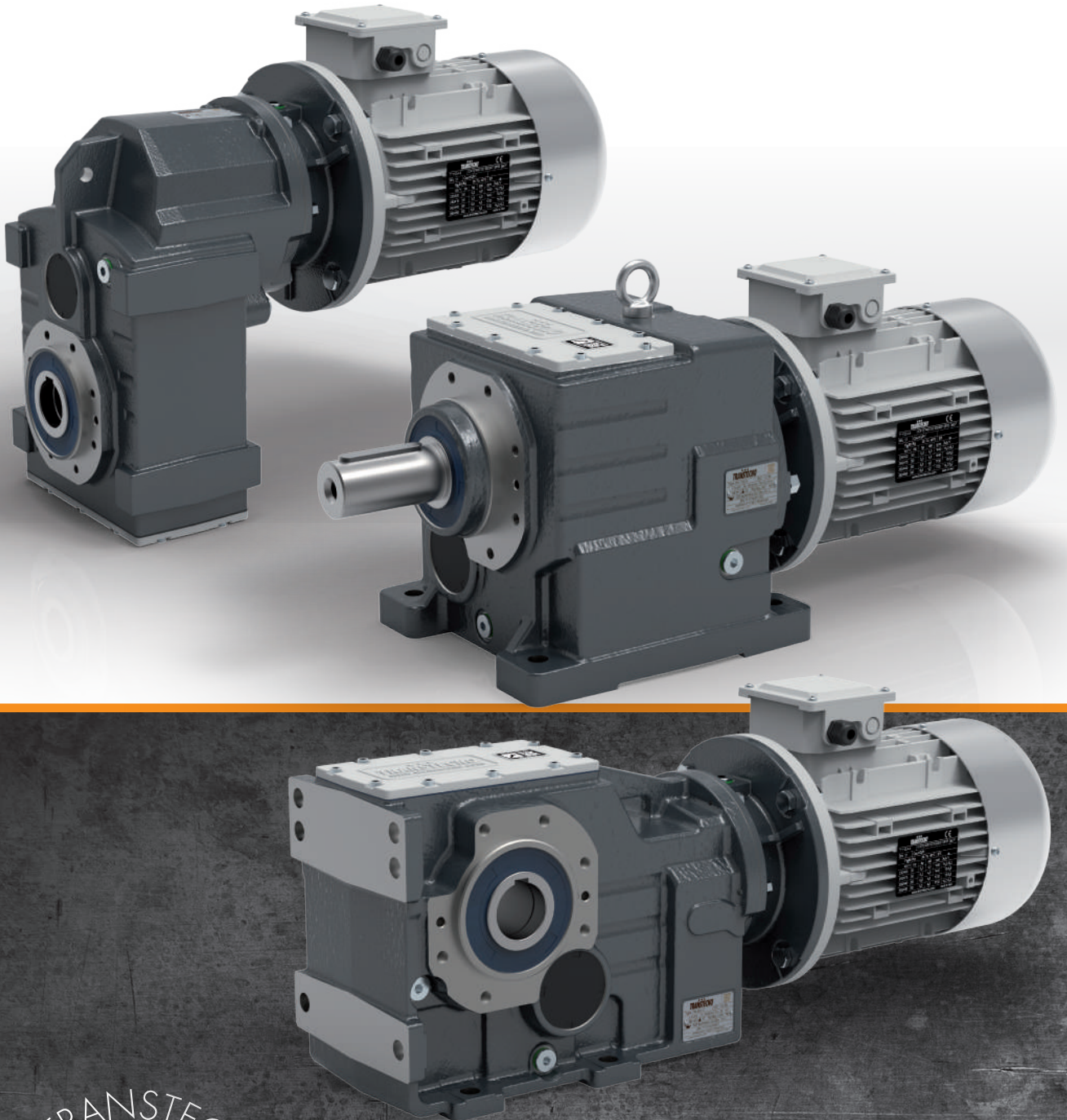


TRANSTECNO[®]
the modular gearmotor



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综合信息

General information

此手册中的信息均采用符号形式表示，以便使用者理解主题和数据信息，这些符号更便于使用选择正确的减速电机型号。

Information in this manual is provided with symbols in order to understand the subject matter and data. These symbols are intended to aid the user in selecting the right gearmotors.

输入转速

n_1 [min⁻¹]

Input speed

减速机的输入转速与选择的驱动装置转速相关。

This is the input speed at the gearbox related to the type of drive unit selected.

如需不同的输入转速，请联系我司技术部门。

When different speeds are required, contact our Technical Service.

传动比

i

Gear ratio

传动比与减速机内部的齿轮齿数直接相关，从样本中给出的数据，可用下面公式计算得出传动比：

This value is strictly related to the size and number of teeth gears inside the gearbox.

From the data given in the catalogue, the value can be calculated using the following formula:

$$i = \frac{n_1}{n_2}$$

输出转速

n_2 [min⁻¹]

Output speed

减速机输出转速可以用以下公式计算得出：

This is the gearbox output speed calculated using the formula given above:

$$n_2 = \frac{n_1}{i}$$

要求扭矩

Mr_2 [Nm]

Requested torque

扭矩是视应用情况而定，选择驱动系统时必须知道的。扭矩一般由使用者提供或者根据应用数据（如提供）计算得出。

This is the torque needed for the application and must be known when selecting a drive system. It can either be provided by the user or calculated according to the application data (if provided).

额定扭矩

Mn_2 [Nm]

Nominal torque

额定扭矩是通过减速机的输入转速 n_1 和齿轮比 i 传送的，它的计算以一个系数为基础，这个系数是持续稳定的相当于1的服务系数。样本上未给出此数值，但是可以根据下列输出扭矩和服务系数的公式计算出接近的数值。

This is the output torque that can be transmitted by the gearbox according to input speed n_1 and gear ratio i . It is calculated based on service with a continuous steady load corresponding to a service factor equal to 1. This value is not given in the catalogue but can be calculated approximately with the following formula between M_2 (output torque) and sf (service factor):

$$Mn_2 = M_2 \cdot sf$$

输出扭矩

M_2 [Nm]

Output torque

减速机的输出扭矩取决于驱动电机的功率 P_1 、每分钟输出转数 rpm n_2 和动态效率 Rd ，可以用以下公式计算得出：

This is the gearbox's output torque. It is strictly related to power P_1 of the motor installed, output rpm n_2 and dynamic efficiency Rd . It can be calculated with the following formula:

$$M_2 = \frac{9550 \cdot P_1 \cdot Rd}{n_2}$$

或：
or:

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

其中：
where:

$$P_2 = P_1 \cdot Rd$$

效率

Rd

Efficiency

效率是通过减速机的动态效率 Rd 计算得出。

Efficiency is calculated based on dynamic efficiency Rd of the gearboxes.

斜齿轮减速机的平均效率为94%。

On helical gearboxes the average efficiency is 94%.

输入功率

P_1 [kW]

Input power

输入功率由减速机输入端的电机在转速为 n_1 时给定

This is the power applied by the motor at the gearbox input in reference to speed n_1 .

输入功率可以由以下公式计算得出：

It can be calculated with the following formula:

$$P_1 = \frac{M_2 \cdot n_2}{9550 \cdot Rd}$$

服务系数

sf

Service factor

服务系数sf是用来表明特定的驱动系统过载时保证符合使用要求及可承受冲击的能力。

下面表格中提供了一系列不同服务系数下相对应的驱动系统以满足多种使用工况要求。为更好地理解各项中的服务系数sf, 必须知道以下参数: 负载的类型A, B或C、每天运行时间h/d、1小时内的启动次数。

一旦负载类型确定好以后, 就可以根据驱动系统实际使用情况选定服务系数sf。

This value indicates how a certain drive system is to be over-sized in order to assure the requested service and stand up to shocks.

The tables given in the catalogue offer a wide range of drive systems with different service factors able to satisfy most types of applications. To correctly understand service factor values sf given for each item, approximate values for load classes A, B and C along with the number of hours of daily operation h/d and number of start-ups/hours need to be known.

Once the load class required for the application has been determined, locate corresponding value sf to be used when selecting the most suitable drive system.

负载类型	A - 均衡负荷	$fa \leq 0.3$
	B - 中等冲击	$fa \leq 3$
	C - 严重冲击	$fa \leq 10$

Type of load	A - Uniform	$fa \leq 0.3$
	B - Moderate shocks	$fa \leq 3$
	C - Heavy shocks	$fa \leq 10$

$$fa = \frac{Je}{Jm}$$

- Je (kgm²) 换算到驱动轴上的外部转动惯量。
- Jm (kgm²) 电机转动惯量。

如果 $fa > 10$, 请联系我司技术部门。

$$fa = \frac{Je}{Jm}$$

- Je (kgm²) moment of reduced external inertia at the drive-shaft
- Jm (kgm²) moment of inertia of motor.

If $fa > 10$ call our Technical Service.

A 负载等级 / Load class
均匀负载 / Uniform load

sf									
h/d	启动次数/小时 / n. start-up/hour								
	2	4	8	16	32	63	125	250	500
4	0.8	0.8	0.9	0.9	1.0	1.1	1.1	1.2	1.2
8	1.0	1.0	1.1	1.1	1.3	1.3	1.3	1.3	1.3
16	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
24	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8

B 负载等级 / Load class
中等冲击负载 / Moderate shock load

sf									
h/d	启动次数/小时 / n. start-up/hour								
	2	4	8	16	32	63	125	250	500
4	1.0	1.0	1.0	1.0	1.3	1.3	1.3	1.3	1.3
8	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
16	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8
24	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2

C 负载等级 / Load class
严重冲击负载 / Heavy shock load

sf									
h/d	启动次数/小时 / n. start-up/hour								
	2	4	8	16	32	63	125	250	500
4	1.3	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5
8	1.5	1.5	1.5	1.5	1.8	1.8	1.8	1.8	1.8
16	1.8	1.8	1.8	1.8	2.2	2.2	2.2	2.2	2.2
24	2.2	2.2	2.2	2.2	2.5	2.5	2.5	2.5	2.5

应用举例:

传送带输送属于B类负载类型(中等冲击), 1天工作16小时, 1小时内启动8次。

从表中可以选定sf=1.5

Application example:

Conveyor belt assigned to load class B (moderate shock load), to be run 16 hours a day (h/d) with 8 start-ups/hour.

The following value is obtained from the table
sf = 1.5

径向负载

R; R₂ [N]

Radial load

减速机输出轴上使用的齿轴、带轮所产生的径向力必须要考虑到，否则会因受力过大而损坏减速机，外部径向负载R可以用下公式计算得出：

Pinions, pulleys, etc applied on the output shaft of the gearboxes create radial forces that must be taken into consideration to avoid excessive stress risking damage to the gearbox itself.

External radial load R that acts on the gearbox shaft can be calculated as follows:

$$R = \frac{2000 \cdot M_2 \cdot kr}{d} \leq R_2$$

其中：

d [mm] 齿轴或带轮直径
kr 不同传动产品的系数：
kr = 1.4 链轮
kr = 1.1 齿轮
kr = 1.5 - 2.5 用于V型带轮

where:

d [mm] diameter of the pinion or pulley
kr coefficient in relation to type of transmission:
kr = 1.4 sprocket wheel
kr = 1.1 gear
kr = 1.5 - 2.5 pulley for V belts

注意：数值R₂是基于径向负荷作用在输出轴的中心线上。所以，径向负荷比较时要在同一个相同的情况下。

Keep in mind that values R₂ refer to loads that act on the centerline of the output shaft (considering the shaft protrudes). As a result, the value should be compared under the same conditions.

轴向负载

A; A₂ [N]

Axial load

输出轴上作用有径向负荷同时也有可能伴随有轴向负载A。在这种情况下请记住最大允许的轴向负载 A₂：

At times, along with the radial load, force A may be present that acts axially on the output shaft. In this case, keep in mind allowable axial load A₂ that can be applied on the shaft is:

$$A_2 = R_2 \cdot 0.2$$

如果输出轴上的轴向负载A大于A₂，请联系我司技术部。

If axial load A that acts on the shaft is greater than A₂, contact our Technical Service.

减速机选型

Selecting the gearmotors

减速机选型请按照如下程序进行：

To select the required gearmotor, perform the procedure below:

1. 参考A4页上的表格选定适用的服务系数。这是由负载类型，每天运行小时数和每小时的启动次数决定的。
2. 如果已知电机输出功率P，可直接转到第3条；如果已知输出扭矩M，可使用以下公式计算电机输出功率：

1. Determine the service factor *sf* for the desired application by referring to the charts given on page A4. This is to be done by considering the class of load, the operational hours/day and the number of start-ups/ hour.

2. If the required motor power output *P* is known, go to item 3); if the required output torque *M* is known, determine motor output *P* by using the following formulas:

$$P = \frac{M \cdot n_2}{9550 \cdot Rd}$$

减速机
Gearmotor

其中Rd表示动态效率，n₂表示减速电机的输出转速。

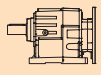

where Rd stands for the dynamic efficiency and n₂ indicates the required output rpm of the gearmotor .

减速电机选型

Selecting the gearmotors

3. 使用参数表搜索功率 P_1 大于或等于 P ，选择转速 n_2 或 n_{2max} 接近需求的一个值。选择服务系数等于或大于第1条计算得出的值。

3. Use the specification chart to search for the power unit where P_1 is greater than or equal to P with a speed n_2/n_{2max} that approximates the desired one. Choose a power unit where the indicated service factor sf is equal to or greater than that calculated at point 1).

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]
5.5							
132s4 (1400 min ⁻¹)	23	2177	1.6	61.74	ITH143	B5	22500
	21	2353	1.5	66.73		B5	22500
	18	2801	1.2	79.43		B5	22500
	16	3028	1.2	85.85		B5	22500

举例 / Example:

应用 / Application:
传送带 / Conveyor belt

P : 5.5 kW
 sf : 1.6
 n_2 : 23 rpm

功率选择 / Power unit selected:

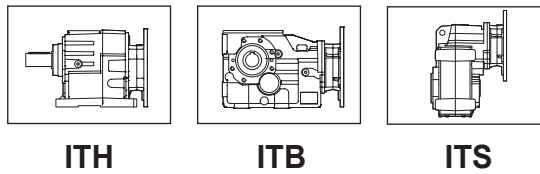
ITH143 i = 61.74, P_1 = 5.5 kW, sf = 1.6

润滑油

Lubrication

ITH, ITB和ITS系列所有机型都使用矿物油，粘度220。

All unit sizes of ITH, ITB and ITS series are complete with mineral oil, viscosity 220.



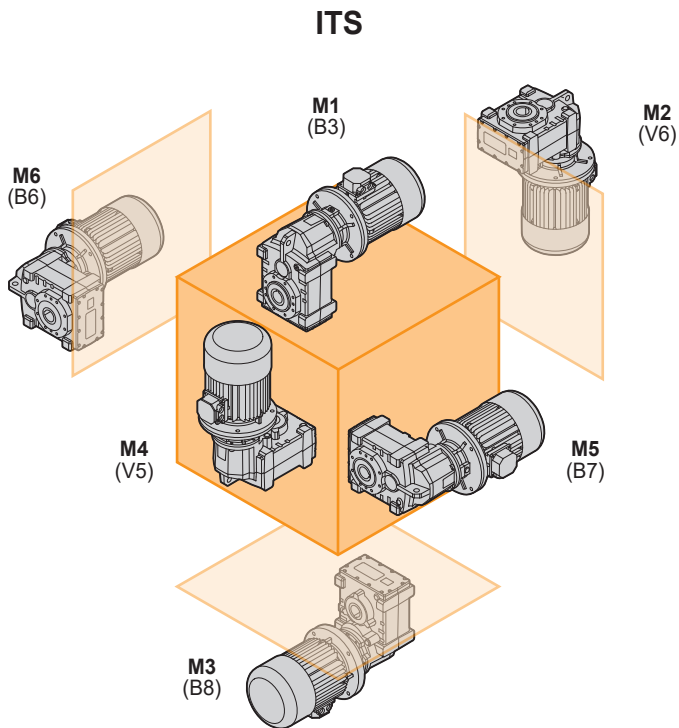
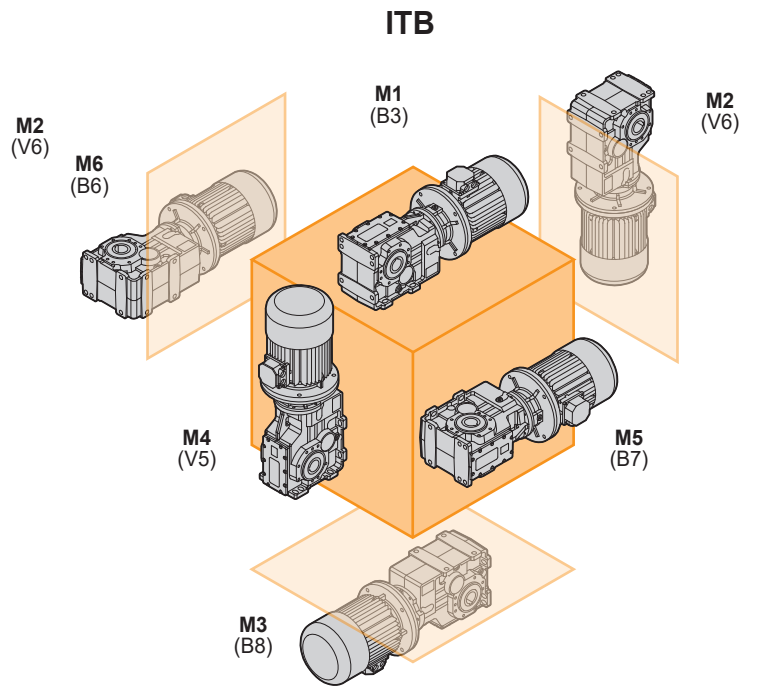
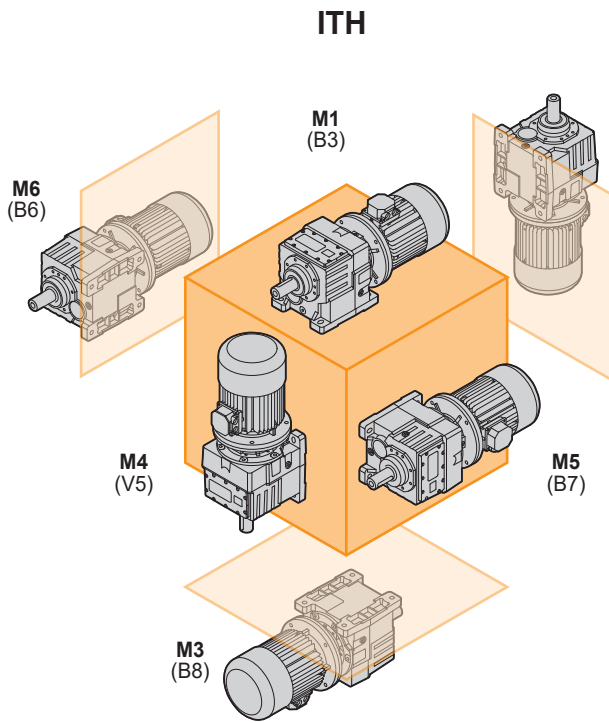
SHELL	MOBIL	KLUBER	CASTROL	FUCHS	BP
Omala S2 G 220	Mobilgear 660 XP 220	Kluberoil GEM 1-220 N	Tribol 1100/220 Optigear BM 220	Renolin CLP 220	Energol GR-XP 220

图标中包含了相似的各种润滑油型号。

The tables contain the approximate amount of lubricant held and/or to be put in.

请在订单中说明减速机的安装位置。

Always specify the desired installation position at the time of order.



环境温度会影响减速机的技术要求。

The environmental temperature affects specifications of gearboxes.

标准温度范围 / **Standard temperature range**

ITH	-15°C / +50°C
ITB	-15°C / +50°C
ITS	-15°C / +50°C

特殊温度范围 / **Special temperature range**

	<-15°C	>+50°C
ITH	输出径向负载减半	氟橡胶 (FPM)油封 <i>use Viton (FPM) oil seals</i> 用高温润滑油 <i>use high temperature lubricant</i>
ITB	输出径向负载减半	
ITS	输出径向负载减半	

当温度小于 0°C 时，参考以下注释：

- 检查电机是否适合低温环境；
- 由于润滑油的粘度较高，检查电机是否有较高的启动扭矩；
- 空载运转几分钟以保证润滑良好。

For temperature <0°C refer to the following notes:

- check if the motor is suitable for low temperature;
- due to the high viscosity of the lubricant, check if the motor can supply high starting torque;
- let the group run for a few minutes without load to guarantee good lubrication;

安装和检查

Installation and inspection

安装减速机时，应确保如下：

- 铭牌上的数据信息应与订单要求信息一致；
- 配合面和轴应保持清洁、无毛刺；
- 减速机安装的表面应平整并有足够的强度；
- 请保持减速机输出轴与机器配对孔同轴；
- 如果机器在运行中易产生冲击力和堵住的情况，请安装相适应的扭力限制器；
- 机器的运动部件周围确保做好防护工作；
- 如果机器安装在室外，请在机器外围安装遮雨遮阳的装置；
- 不要暴露在腐蚀性的环境中（除非订单中有说明减速机才做相适应的配置）；
- 如齿轴/带轮安装到减速机的输入轴或输出轴上，请正确地配合安装，以防产生的径向或轴向载荷超过许用值；
- 所有的连接部分都已经经过防锈处理以防接触后生锈；
- 所有的紧固件都已经正确地紧固；
- 请根据减速机的安装方位检查润滑油量。

While installing the gearbox always make sure that:

- the specifications stamped on the rating plate match those indicated for the unit actually ordered;
- the mating surfaces and the shafts are thoroughly clean and free of dents;
- the surfaces where the gearbox are to be mounted on are flat and strong enough;
- the machine drive shaft and the gearbox shaft are perfectly aligned;
- the required torque limiters have been installed if the machine is likely to produce shocks or blockages during operation;
- the rotary parts have been provided with the required safety guards;
- adequate weatherproof covering has been provided if the machine is to be installed outdoor;
- the working environment is not exposed to corrosive agents (unless this has been indicated while placing the order so that the gearbox assembly can be adequately set up);
- the pinions or pulleys on the gearbox input/output shafts are properly fitted in order not to produce radial and/or axial loads that exceed the maximum allowable limits;
- all the couplings have been treated with adequate rust preventative in order to avoid oxidation provoked by contact;
- all the mounting screws have been securely tightened;
- check the lubricant quantity depending on the mounting position on all gearboxes.

应用限制

Critical applications

以下情况请联系我司技术部：

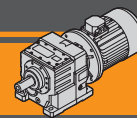
- 用以增加转速；
- 用作升降机；
- 用于样本上未显示出的安装位置；
- 用于压力不同于大气压的环境中；
- 用于温度 $<-15^{\circ}\text{C}$ 或 $>+50^{\circ}\text{C}$ 的环境。

In these cases please contact the Technical Service

- used to increase speed ;
- used as a hoist;
- used in mounting positions not shown in the catalogue;
- use in environment pressure other than atmospheric pressure;
- use in places with temperature $<-15^{\circ}\text{C}$ or $>+50^{\circ}\text{C}$

斜齿轮减速电机
Helical in-line gearmotors



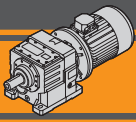


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ITH

斜齿轮减速电机
Helical in-line gearmotors

技术特征

Technical features

ITH系列减速电机适用于重负载行业，铁壳箱体和模块化的输入输出组件增强了其应用稳定性。

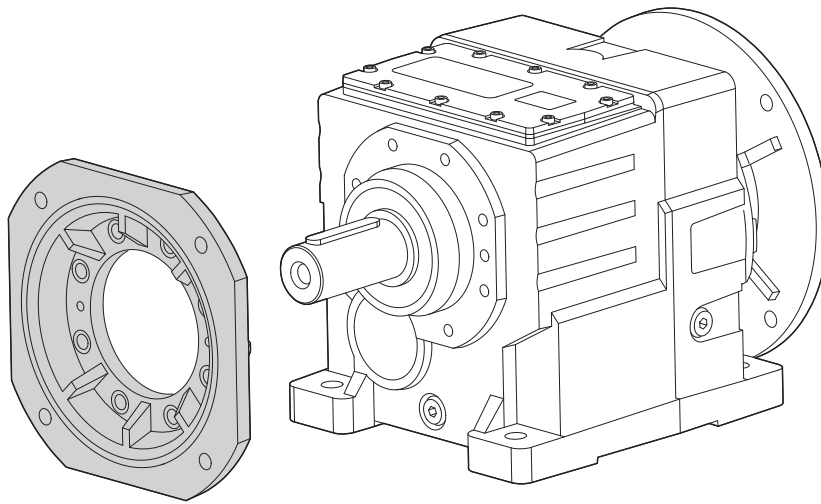
The ITH gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.

ITH系列的主要特征:

- 高强度的铸铁箱体;
- 高度模块化;
- 矿物油;
- 空心输入轴连接电机;
- 表面喷塑, RAL7016平均厚度0.10-0.15mm。

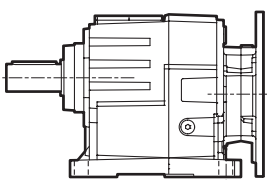
The main features of ITH range are:

- Robust cast iron housings;
- High degree of modularity;
- Lubrication with mineral oil;
- Coupled to motor with input coupling;
- Epoxy powder coating RAL 7016 average thickness 0,10 – 0,15 mm.

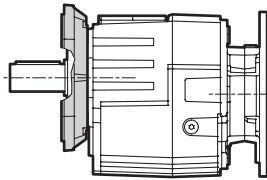


类型

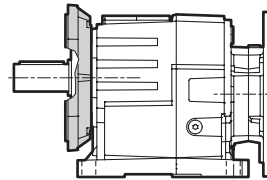
Versions



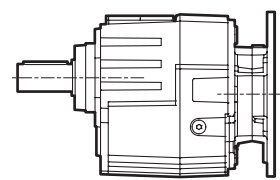
U



F...

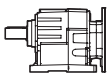


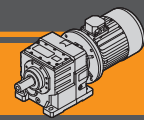
U/F...



G

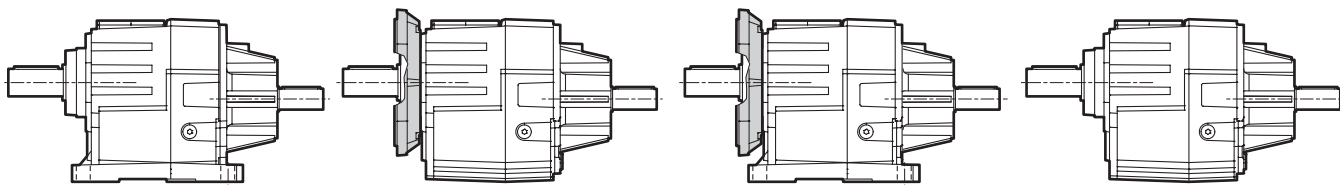
减速机 / GEARBOX

ITH	12	2	H	26.28	D40	132	B5	M1	CW
型号 Type	规格 Size	技术 Stages	型式 Version	速比 Ratio	输出轴 Output shaft	IEC	法兰类型 Version	安装位置 Mounting position	逆止装置 Backstop device
	11 12 13 14	2 3	U F... U/F... G	见表格 see tables	见表格 see tables	71.. — 200..	B5 B14	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	CW CCW



选型

Classification



U

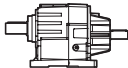
F...

U/F...

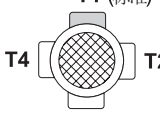
G

ITH

减速机 / GEARBOX

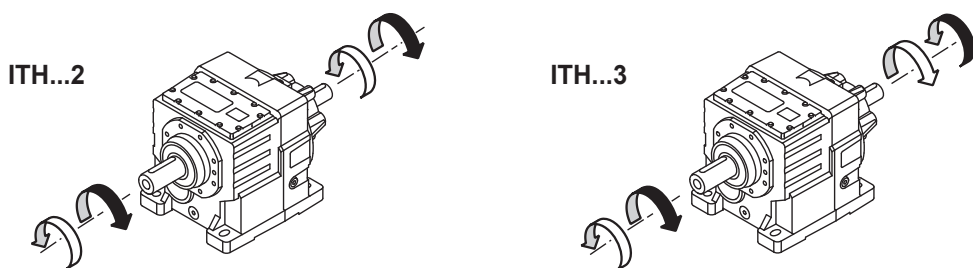
ITHIS	12	2	H	26.28	D40	M1
型号 Type	规格 Size	级数 Stages	型式 Version	速比 Ratio	输出轴 Output shaft	安装位置 Mounting position
ITHIS 	11 12 13 14	2 3	U F... U/F... G	见表格 see tables	见表格 see tables	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

电机 / MOTOR

5.5kW	4p	3ph	230/400V	50Hz	T1
功率 Power	极数 Poles	相数 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.
见表格 see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz	T1 (标准)  T4 T2 T3

旋转方向

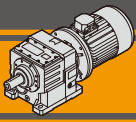
Direction of rotation



代号说明

Symbols

n_1	[min ⁻¹]	输入转速 / Input speed
n_2	[min ⁻¹]	输出转速 / Output speed
i		速比 / Ratio
P_1	[kW]	输出功率 / Input power
M_2	[Nm]	输出扭矩参照 P_1 / Output torque referred to P_1
P_{n1}	[kW]	额定输入功率 / Nominal input power
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / Nominal output torque referred to P_{n1}
sf		服务系数 / Service factor
R_1	[N]	输入端可用径向负荷 / Permitted input radial load
A_1	[N]	输入端可用轴向负荷 / Permitted input axial load
R_2	[N]	输出端可用径向负荷 / Permitted output radial load
A_2	[N]	输出端可用轴向负荷 / Permitted output axial load



ITH 斜齿轮减速电机 Helical in-line gearmotors

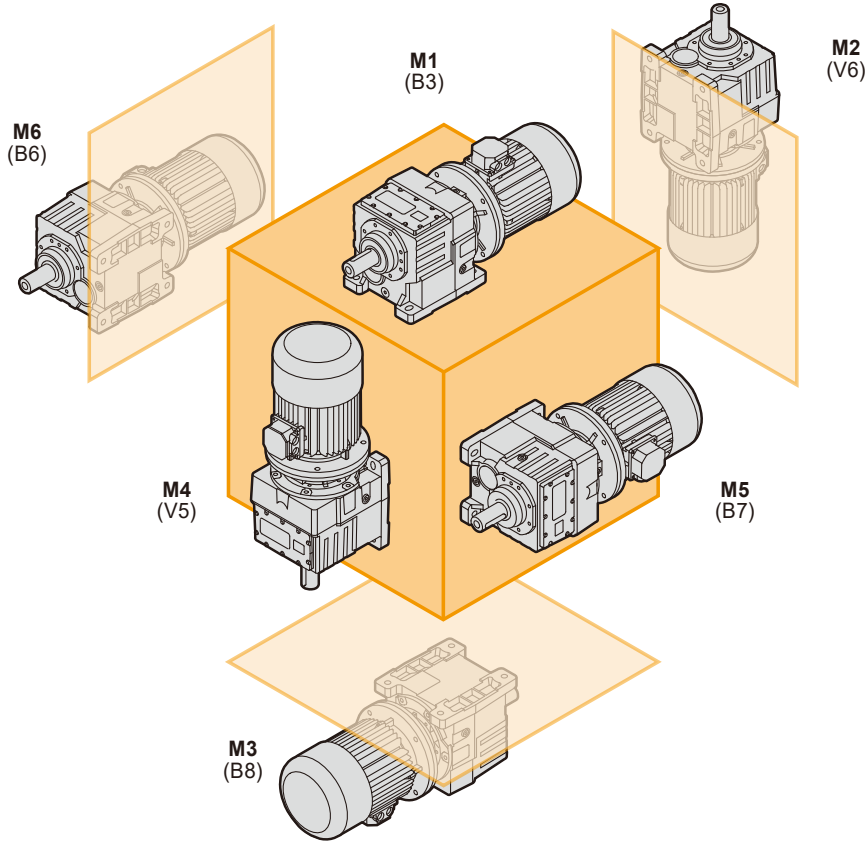
润滑油

Lubrication

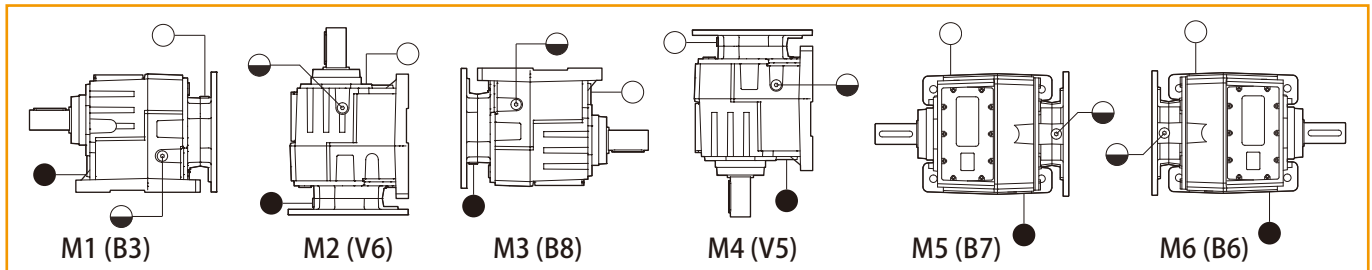
ITH系列减速电机全部采用矿物油，安装位置确定加油量。

ITH series gearmotors come complete with mineral oil.
The lubricant quantity depends on mounting position.

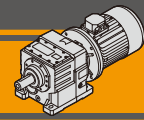
ITH..



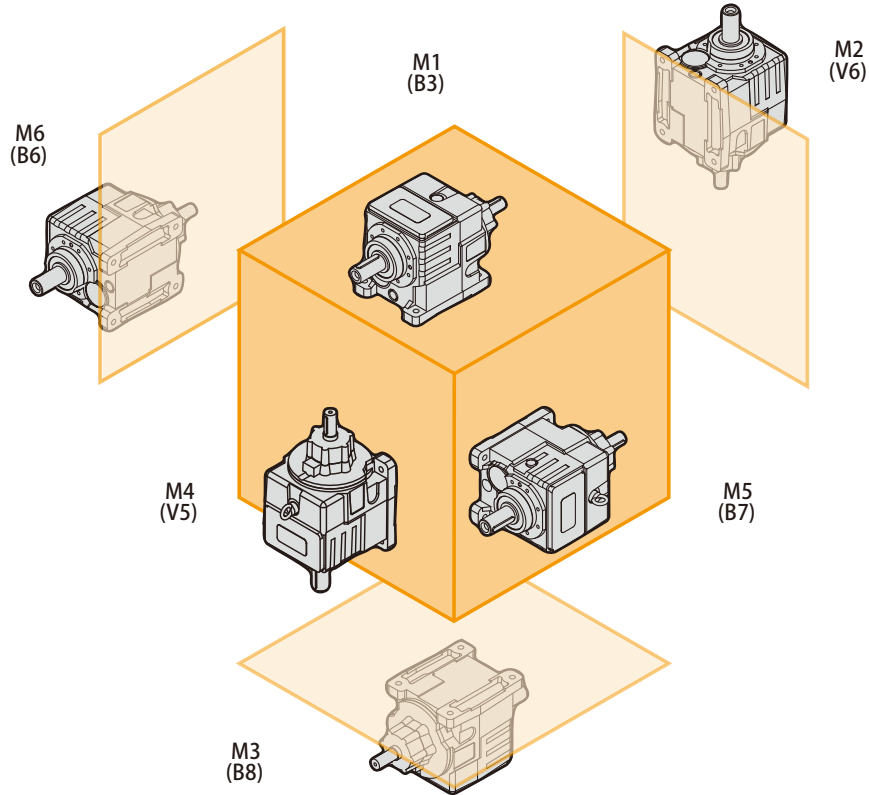
ITH	加油量 (升) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,1	3,9	3,7	3,4	2,4	2,4
122 123	1,7	5,0	4,3	4,3	3,1	2,9
132 133	4,5	9,5	8,3	8,6	5,9	5,7
142 143	8,1	14,5	11,5	14,4	9,4	9,0



- 透气及加油塞 / Breather and filling plug
- ◐ 油镜 / Oil level plug
- 放油塞 / Oil drain plug

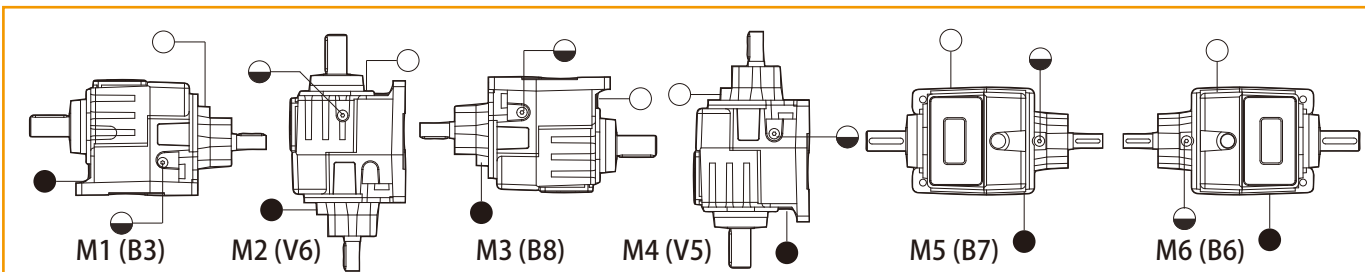


IThis..



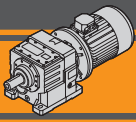
ITH

IThis	加油量 (升) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
112 113	1,3	4,3	3,9	3,4	2,6	2,6
122 123	1,9	5,4	4,5	4,3	3,3	3,1
132	3,7	10,2	8,7	8,6	6,3	6,1
133	3,5	9,9	8,5		6,1	5,9
142	7,3	15,2	11,9	14,4	9,8	9,4
143	7,1	14,9	11,7		9,6	9,2



- 透气及加油油塞 / Breather and filling plug
- 油镜 / Oil level plug
- 放油塞 / Oil drain plug





输入径向负荷

Input Radial loads

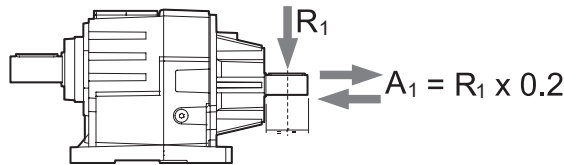
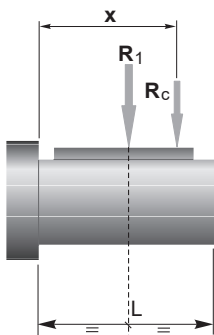
ITH 113	n ₁ [min ⁻¹]	电机功率 / Motor Power [kW]		
		1.1	1.5	1.85
R ₁ [N]	1400	1250		
	900	1500		500
	500	1750	-	-

ITH 112 ITH 122 -123 ITH 133 - 143	n ₁ [min ⁻¹]	电机功率 / Motor Power [kW]			
		2.2	3.0	4.0	5.5
R ₁ [N]	1400	1800			750
	900	2100		1200	-
	500	2500	-	-	-

ITH 132 ITH 142	n ₁ [min ⁻¹]	电机功率 / Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R ₁ [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

下列技术参数表格显示了最大可用径向力。
当径向负载作用点不在输入轴的中间位置，必须用以下公式来计算有效负荷：

The radial loads maximum output applicable are indicated in the previous tables.
When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	139	134	139	157	139	157	139	
b	110	110	110	118	110	118	110	

$$R_c = \frac{R_1 \cdot a}{(b+x)} \leq R_1$$

a, b = 图表中给的值
a, b = values given in the table

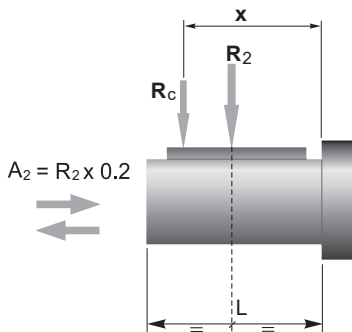
$$R \leq R_c$$

输出径向负荷

Output Radial loads

下列技术参数表格显示了最大可用径向力。
当径向负载作用点不在输出轴的中间位置，必须用以下公式来计算有效负荷：

The radial loads maximum output applicable are indicated in the technical data table.
When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

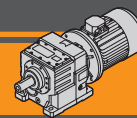


	ITH 112	ITH 113	ITH 122	ITH 123	ITH 132	ITH 133	ITH 142	ITH 143
a	184	208	247	286				
b	149	168	197	226				
R _{2MAX}	8200	12500	18500	22500				

$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

a, b = 图表中给的值
a, b = values given in the table


$$R \leq R_c$$



技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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	IEC 电机适配法兰 IEC Motor adapters
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IThis 112

261	350	9.94	5.38	3437
216	350	8.26	6.47	3829
178	400	7.76	7.88	4111
164	400	7.15	8.54	4311
155	420	7.08	9.06	4381
136	420	6.24	10.28	4717
123	480	6.43	11.39	4734
112	480	5.86	12.52	5001
95	500	5.16	14.80	5408
77	530	4.47	18.10	5903
69	530	4.00	20.25	6302
60	600	3.90	23.52	6389
49	650	3.45	28.77	6794
44	680	3.23	32.18	7003
39	680	2.86	36.35	7519
34	680	2.50	41.57	8130
29	520	1.90	48.27	8200

71 B5	80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
					*
				*	
				*	
				*	
				*	
			*	*	


ITHis 113

31	700	2.43	44.99	8200
25	700	1.98	55.27	8200
21	700	1.61	67.61	8200
19	700	1.46	74.96	8200
15	700	1.19	91.70	8200
13	700	1.00	108.91	8200
10	700	0.80	136.65	8200
8.5	700	0.67	163.98	8200
8.1	700	0.63	173.44	8200
7.6	700	0.59	185.20	8200
6.9	700	0.54	201.58	8200
6.6	700	0.51	212.17	8200
6.2	700	0.48	226.55	8200
5.7	700	0.44	246.59	8200

71 B5	80 B5	90 B5/B14
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		*
		*
	*	*
	*	*

备注：
阴影部分表明该型号有相适配的电机输入。

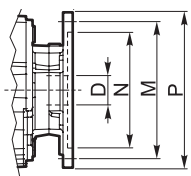
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。

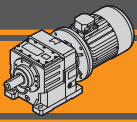
 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速电机选型前请参考B11至B19的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



IEC 尺寸参数 / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	




ITH

斜齿轮减速电机
Helical in-line gearmotors

技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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	IEC 电机适配法兰 IEC Motor adapters
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ITHIS 122					
	271	550	16.25	5.17	4751
	209	550	12.56	6.69	5522
	180	600	11.76	7.79	5878
	159	650	11.25	8.82	6149
	139	750	11.36	10.08	6278
	123	750	10.09	11.35	6727
	105	850	9.76	13.30	6946
	88	850	8.15	15.92	7713
	82	850	7.59	17.11	8045
	72	850	6.66	19.50	8683
	65	900	6.41	21.43	8887
	58	980	6.24	24.00	9005
	53	980	5.70	26.28	9494
	48	980	5.09	29.40	10136
	43	980	4.63	32.31	10710
	40	980	4.22	35.47	11309
	34	980	3.58	41.78	12500
	31	980	3.27	45.73	12500
	28	980	2.97	50.40	12500


ITH 122				
80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
				*
				*
			*	
			*	


ITHIS 123					
	25	980	2.73	56.00	12500
	23	980	2.49	61.31	12500
	20	980	2.17	70.53	12500
	17	980	1.89	81.00	12500
	16	980	1.72	88.68	12500
	13	980	1.45	105.23	12500
	12	980	1.33	115.21	12500
	11	980	1.19	128.73	12500
	9.7	980	1.06	144.00	12500
	8.9	980	0.97	157.66	12500
	7.9	980	0.86	178.10	12500
	6.9	980	0.75	203.65	12500
	6.5	980	0.71	216.00	12500
	5.9	980	0.65	236.49	12500
	5.5	980	0.60	256.00	12500
	5.0	980	0.55	280.29	12500

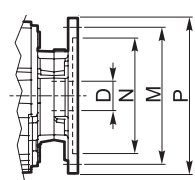
ITH 123				
71 B5	80 B5	90 B5/B14	100 B5/B14	112 B5/B14
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备注：
阴影部分表明该型号有相适配的电机输入。

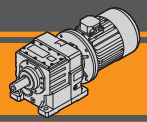
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。
减速电机选型前请参考B11至B19的技术参数表格。

 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.
Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.




IEC 尺寸参数 / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	

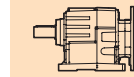


技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]
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IEC 电机适配法兰
IEC Motor adapters

ITHIS 132

278	850	25.8	5.03	10319
230	850	21.3	6.09	11532
203	900	19.9	6.91	12142
186	900	18.3	7.51	12746
167	900	16.4	8.36	13570
155	900	15.2	9.03	14195
136	950	14.1	10.30	14992
127	950	13.2	11.01	15581
113	1200	14.8	12.39	14811
95	1200	12.4	14.80	16426
93	1300	13.1	15.11	15778
75	1500	12.3	18.69	15950
69	1600	12.0	20.31	15734
55	1600	9.5	25.65	18031
51	1700	9.4	27.48	17571
46	1700	8.5	30.46	18500
40	1900	8.4	34.61	17356
37	1900	7.7	37.71	18247
33	1900	6.9	41.80	18500
31	1900	6.4	45.60	18500
28	1900	5.8	49.88	18500

ITH 132

80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14	160 B5	180 B5
						*
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					*	*

ITHIS 133

23	1900	4.9	60.92	18500
22	1900	4.6	64.74	18500
19.8	1900	4.2	70.88	18500
17.9	1900	3.8	78.38	18500
16.1	1900	3.4	87.14	18500
14.6	1900	3.1	95.67	18500
12.7	1900	2.7	109.93	18500
11.6	1900	2.5	120.36	18500
10.4	1900	2.2	134.66	18500
9.5	1900	2.0	147.98	18500
8.6	1900	1.8	162.45	18500
7.3	1900	1.5	191.39	18500
6.7	1900	1.4	209.48	18500
6.1	1900	1.3	230.85	18500

ITH 133

80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14
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备注：
阴影部分表明该型号有相适配的电机输入。

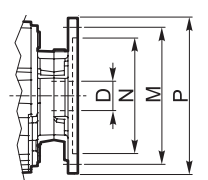
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

! * = 服务系数(sf)选择需根据应用情况: 请与我司技术部取得联系。

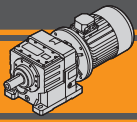
! * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速电机选型前请参考B11至B19的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.



IEC 尺寸参数 / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48




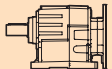
ITH

斜齿轮减速电机
Helical in-line gearmotors

技术参数

n_1 1400 min⁻¹


Technical data


	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]		IEC 电机适配法兰 IEC Motor adapters				
ITHIS 142						ITH 142					
						100 B5/B14	112 B5/B14	132 B5/B14	160 B5	180 B5	200 B5
	228	1800	44.68	6.15	14955						
	190	1800	37.40	7.35	16494						
	158	2000	34.38	8.88	17248	*	*				
	144	2000	31.34	9.75	18150						
	135	2100	30.99	10.35	18181	*	*				
	120	2100	27.54	11.65	19402						
	110	2200	26.30	12.78	19769						*
	99	2300	24.95	14.08	20171						*
	85	2300	21.42	16.40	21936						*
	79	2800	24.11	17.73	19026						*
	69	2800	21.12	20.24	20463						*
	54	3200	18.80	25.99	19654						*
	50	3200	17.39	28.10	20514					*	*
	43	3200	15.11	32.35	22168					*	*
	38	3200	13.18	37.09	22500					*	*
	32	3200	11.22	43.57	22500					*	*
	30	3200	10.32	47.35	22500						
	27	3200	9.44	51.76	22500						

ITHIS 143						ITH 143					
						80 B5	90 B5/B14	100 B5/B14	112 B5/B14	132 B5/B14	
	23	3500	8.84	61.74	22500						
	21	3500	8.18	66.73	22500						
	18	3500	6.87	79.43	22500						
	16	3500	6.36	85.85	22500						
	13	3500	4.90	111.40	22500						*
	12	3500	4.53	120.42	22500						*
	11	3500	4.14	131.84	22500						*
	9.5	3500	3.70	147.51	22500						*
	8.6	3500	3.37	162.10	22500						*
	7.9	3500	3.07	177.95	22500						*
	7.2	3500	2.81	193.96	22500						
	6.7	3500	2.64	209.65	22500						
	6.1	3500	2.38	229.46	22500						
	5.5	3500	2.16	252.87	22500						

备注：
阴影部分表明该型号有相适配的电机输入。

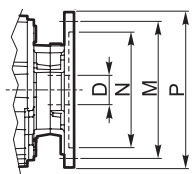
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。

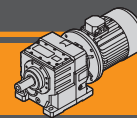
 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速电机选型前请参考B11至B19的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page B11 to B19.







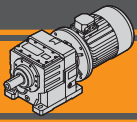
IEC 尺寸参数 / IEC Dimensions										
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
N	130	130	95	180	110	230	130	250	250	300
M	165	165	115	215	130	265	165	300	300	350
P	200	200	140	250	160	300	200	350	350	400
D	19	24		28		38		42	48	55



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
0.25								0.55							
71A4 (1400 min ⁻¹)	54	43	14	26.16	ITH112	B5	8200	80A4 (1400 min ⁻¹)	260	19	18	5.38	ITH112	B5	4411
	39	60	11	36.35		B5	8200		216	23	15	6.47		B5	4901
	34	68	10	41.57		B5	8200		178	28	14	7.88		B5	5479
	29	79	6.6	48.27		B5	8200		164	31	13	8.54		B5	5736
	31	72	9.7	44.99	ITH113	B5	8200		155	33	13	9.06	B5	5928	
	25	89	7.9	55.27		B5	8200		136	37	11	10.28	B5	6363	
	21	108	6.5	67.61		B5	8200		123	41	12	11.39	B5	6737	
	19	120	5.8	74.96		B5	8200		112	45	11	12.52	B5	7098	
	15	147	4.8	91.70		B5	8200		95	53	9.4	14.80	B5	7783	
	13	175	4.0	108.91		B5	8200		77	65	8.1	18.10	B5	8200	
	10	219	3.2	136.65		B5	8200		69	73	7.3	20.25	B5	8200	
	8.5	263	2.7	163.98		B5	8200		60	85	7.1	23.52	B5	8200	
	8.1	278	2.5	173.44	B5	8200	49		104	6.3	28.77	B5	8200		
	7.6	297	2.4	185.20	B5	8200	44		116	5.9	32.18	B5	8200		
	6.9	323	2.2	201.58	B5	8200	39		131	5.2	36.35	B5	8200		
	6.6	340	2.1	212.17	B5	8200	34		150	4.5	41.57	B5	8200		
	6.2	363	1.9	226.55	B5	8200	29		174	3.0	48.27	B5	8200		
	5.7	395	1.8	246.59	B5	8200	31		159	4.4	44.99	ITH113	B5	8200	
	7.9	285	3.4	178.10	ITH123	B5	12500		25	195	3.6		55.27	B5	8200
	6.9	326	3.0	203.65		B5	12500		21	238	2.9		67.61	B5	8200
6.5	346	2.8	216.00	B5	12500	19	264	2.6	74.96	B5	8200				
5.9	379	2.6	236.49	B5	12500	15	323	2.2	91.70	B5	8200				
5.5	410	2.4	256.00	B5	12500	13	384	1.8	108.91	B5	8200				
5.0	449	2.2	280.29	B5	12500	10	482	1.5	136.65	B5	8200				
8.1	578	1.2	163.98	B5	8200	8.5	578	1.2	163.98	B5	8200				
7.6	612	1.1	173.44	B5	8200	8.1	612	1.1	173.44	B5	8200				
7.6	653	1.1	185.20	B5	8200	6.9	711	1.0	201.58	B5	8200				
6.9	711	1.0	201.58	B5	8200	6.6	748	0.9	212.17	B5	8200				
5.7	585	1.2	246.59	B5	8200	53	95	10	26.28	ITH122	B5	12500			
7.9	423	2.3	178.10	ITH123	B5	12500	48	106	9.3		29.40	B5	12500		
6.9	483	2.0	203.65		B5	12500	43	116	8.4		32.31	B5	12500		
6.5	512	1.9	216.00		B5	12500	39	128	7.7		35.47	B5	12500		
5.9	561	1.7	236.49		B5	12500	34	150	6.5	41.78	B5	12500			
5.5	607	1.6	256.00		B5	12500	31	165	5.9	45.73	B5	12500			
5.0	665	1.5	280.29		B5	12500	28	182	5.4	50.40	B5	12500			
7.9	423	2.3	178.10		B5	12500	25	197	5.0	56.00	ITH123	B5	12500		
6.9	483	2.0	203.65		B5	12500	23	216	4.5	61.31		B5	12500		
6.5	512	1.9	216.00		B5	12500	20	249	3.9	70.53		B5	12500		
5.9	561	1.7	236.49		B5	12500	17	286	3.4	81.00		B5	12500		
5.5	607	1.6	256.00	B5	12500	16	313	3.1	88.68	B5		12500			
5.0	665	1.5	280.29	B5	12500	13	371	2.6	105.23	B5		12500			
7.9	423	2.3	178.10	B5	12500	12	406	2.4	115.21	B5		12500			
6.9	483	2.0	203.65	B5	12500	11	454	2.2	128.73	B5		12500			
6.5	512	1.9	216.00	B5	12500	9.7	508	1.9	144.00	B5		12500			
5.9	561	1.7	236.49	B5	12500	8.9	556	1.8	157.66	B5		12500			
5.5	607	1.6	256.00	B5	12500	7.9	628	1.6	178.10	B5		12500			
5.0	665	1.5	280.29	B5	12500	6.9	718	1.4	203.65	B5		12500			
7.9	423	2.3	178.10	B5	12500	6.5	762	1.3	216.00	B5	12500				
6.9	483	2.0	203.65	B5	12500	5.9	834	1.2	236.49	B5	12500				
6.5	512	1.9	216.00	B5	12500	5.5	903	1.1	256.00	B5	12500				
5.9	561	1.7	236.49	B5	12500	5.0	988	1.0	280.29	B5	12500				
5.5	607	1.6	256.00	B5	12500					B5	12500				
5.0	665	1.5	280.29	B5	12500					B5	12500				







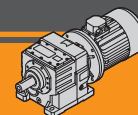
ITH

斜齿轮减速电机
Helical in-line gearmotors

技术参数



Technical data



P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]		
0.55								0.75									
80A4 (1400 min ⁻¹)	22	228	8.3	64.74	ITH133	B5	18500	80B4 (1400 min ⁻¹)	25	269	3.6	56.00	ITH123	B5	12500		
	20	250	7.6	70.88		B5	18500		23	295	3.3	61.31		B5	12500		
	18	276	6.9	78.38		B5	18500		20	339	2.9	70.53		B5	12500		
	16	307	6.2	87.14		B5	18500		17	390	2.5	81.00		B5	12500		
	15	337	5.6	95.67		B5	18500		16	426	2.3	88.68		B5	12500		
	13	388	4.9	109.93		B5	18500		13	506	1.9	105.23		B5	12500		
	12	424	4.5	120.36		B5	18500		12	554	1.8	115.21		B5	12500		
	10	475	4.0	134.66		B5	18500		11	619	1.6	128.73		B5	12500		
	9.5	522	3.6	147.98		B5	18500		9.7	693	1.4	144.00		B5	12500		
	8.6	573	3.3	162.45		B5	18500		8.9	758	1.3	157.66		B5	12500		
	7.3	675	2.8	191.39		B5	18500		7.9	856	1.1	178.10		B5	12500		
	6.7	739	2.6	209.48		B5	18500		6.9	979	1.0	203.65		B5	12500		
	6.1	814	2.3	230.85		B5	18500		6.5	1039	0.9	216.00		B5	12500		
		13	393	8.9		111.40	ITH143		B5	22500	37	185		10	37.71	ITH132	B5
	12	425	8.2	120.42	B5	22500		33	205	9.3	41.80	B5	18500				
	11	465	7.5	131.84	B5	22500		31	224	8.5	45.60	B5	18500				
	9.5	520	6.7	147.51	B5	22500		28	245	7.8	49.88	B5	18500				
	8.6	572	6.1	162.10	B5	22500											
	7.9	628	5.6	177.95	B5	22500		23	293	6.5	60.92	ITH133	B5	18500			
	7.2	684	5.1	193.96	B5	22500		22	311	6.1	64.74		B5	18500			
	6.1	809	4.3	229.46	B5	22500		20	341	5.6	70.88		B5	18500			
	5.5	892	3.9	252.87	B5	22500		18	377	5.0	78.38		B5	18500			
								16	419	4.5	87.14		B5	18500			
								15	460	4.1	95.67		B5	18500			
								13	529	3.6	109.93		B5	18500			
								12	579	3.3	120.36		B5	18500			
								10	648	2.9	134.66		B5	18500			
							9.5	712	2.7	147.98	B5		18500				
							8.6	781	2.4	162.45	B5		18500				
							7.3	920	2.1	191.39	B5		18500				
							6.7	1007	1.9	209.48	B5		18500				
							6.1	1110	1.7	230.85	B5		18500				
							18	382	9.2	79.43	ITH143	B5	22500				
							16	413	8.5	85.85		B5	22500				
							13	536	6.5	111.40		B5	22500				
							12	579	6.0	120.42		B5	22500				
							11	634	5.5	131.84		B5	22500				
							9.5	709	4.9	147.51		B5	22500				
							8.6	780	4.5	162.10		B5	22500				
							7.9	856	4.1	177.95		B5	22500				
							7.2	933	3.8	193.96		B5	22500				
							6.7	1008	3.5	209.65		B5	22500				
							6.1	1103	3.2	229.46		B5	22500				
							5.5	1216	2.9	252.87		B5	22500				
0.75																	
80B4 (1400 min ⁻¹)	260	26	13	5.38	ITH112	B5	4390										
	216	32	11	6.47		B5	4874										
	178	39	10	7.88		B5	5441										
	164	42	9.5	8.54		B5	5693										
	155	44	9.4	9.06		B5	5881										
	136	50	8.3	10.28		B5	6305										
	123	56	8.6	11.39		B5	6669										
	112	61	7.8	12.52		B5	7019										
	95	73	6.9	14.80		B5	7680										
	77	89	6.0	18.10		B5	8200										
	69	99	5.3	20.25		B5	8200										
	60	116	5.2	23.52		B5	8200										
	49	141	4.6	28.77	B5	8200											
	44	158	4.3	32.18	B5	8200											
	39	179	3.8	36.35	B5	8200											
	34	204	3.3	41.57	B5	8200											
	29	237	2.2	48.27	B5	8200											
		31	216	3.2	44.99	ITH113	B5	8200									
		25	266	2.6	55.27		B5	8200									
		21	325	2.2	67.61		B5	8200									
		19	361	1.9	74.96		B5	8200									
		15	441	1.6	91.70		B5	8200									
		13	524	1.3	108.91		B5	8200									
		10	657	1.1	136.65	B5	8200										
	82	84	10	17.11	ITH122	B5	11895										
	72	96	8.9	19.50		B5	12500										
	65	105	8.6	21.43		B5	12500										
	58	118	8.3	24.00		B5	12500										
	53	129	7.6	26.28		B5	12500										
	48	144	6.8	29.40		B5	12500										
	43	159	6.2	32.31		B5	12500										
	39	174	5.6	35.47		B5	12500										
	34	205	4.8	41.78		B5	12500										
	31	225	4.4	45.73		B5	12500										
	28	248	4.0	50.40		B5	12500										

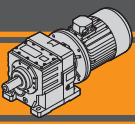


技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]		
1.1									
90S4 (1400 min ⁻¹)	260	39	9.0	5.38	ITH112	B5/14	4354		
	216	47	7.5	6.47		B5/14	4825		
	178	57	7.1	7.88		B5/14	5374		
	164	62	6.5	8.54		B5/14	5617		
	155	65	6.4	9.06		B5/14	5798		
	136	74	5.7	10.28		B5/14	6204		
	123	82	5.8	11.39		B5/14	6550		
	112	90	5.3	12.52		B5/14	6881		
	95	107	4.7	14.80		B5/14	7500		
	77	130	4.1	18.10		B5/14	8200		
	69	146	3.6	20.25		B5/14	8200		
	60	169	3.5	23.52		B5/14	8200		
	49	207	3.1	28.77		B5/14	8200		
	44	232	2.9	32.18		B5/14	8200		
	39	262	2.6	36.35		B5/14	8200		
	34	299	2.3	41.57	B5/14	8200			
	29	348	1.5	48.27	B5/14	8200			
	31	317	2.2	44.99	ITH113	B5/14	8200		
	25	390	1.8	55.27		B5/14	8200		
	21	477	1.5	67.61		B5/14	8200		
	19	529	1.3	74.96		B5/14	8200		
	15	647	1.1	91.70		B5/14	8200		
	13	768	0.9	108.91		B5/14	8200		
	159	64	10	8.82	ITH122	B5/14	8152		
	139	73	10	10.08		B5/14	8778		
	123	82	9.2	11.35		B5/14	9371		
	105	96	8.9	13.30		B5/14	10218		
	88	115	7.4	15.92		B5/14	11257		
	82	123	6.9	17.11		B5/14	11698		
	72	140	6.1	19.50		B5/14	12500		
	65	154	5.8	21.43		B5/14	12500		
	58	173	5.7	24.00		B5/14	12500		
	53	189	5.2	26.28		B5/14	12500		
48	212	4.6	29.40	B5/14		12500			
43	233	4.2	32.31	B5/14		12500			
39	255	3.8	35.47	B5/14		12500			
34	301	3.3	41.78	B5/14	12500				
31	329	3.0	45.73	B5/14	12500				
28	363	2.7	50.40	B5/14	12500				
25	395	2.5	56.00	ITH123	B5/14	12500			
23	432	2.3	61.31		B5/14	12500			
20	497	2.0	70.53		B5/14	12500			
17	571	1.7	81.00		B5/14	12500			
16	626	1.6	88.68		B5/14	12500			
13	742	1.3	105.23		B5/14	12500			
12	813	1.2	115.21		B5/14	12500			
11	908	1.1	128.73		B5/14	12500			
9.7	1016	1.0	144.00		B5/14	12500			
8.9	1112	0.9	157.66		B5/14	12500			
55	185	8.7	25.65		ITH132	B5/14	18500		
51	198	8.6	27.48			B5/14	18500		
46	219	7.7	30.46	B5/14		18500			
40	249	7.6	34.61	B5/14		18500			
37	272	7.0	37.71	B5/14		18500			
33	301	6.3	41.80	B5/14		18500			
31	328	5.8	45.60	B5/14		18500			
28	359	5.3	49.88	B5/14		18500			
1.1									
90S4 (1400 min ⁻¹)	23	430	4.4	60.92		ITH133	B5/14	18500	
	22	457	4.2	64.74	B5/14		18500		
	20	500	3.8	70.88	B5/14		18500		
	18	553	3.4	78.38	B5/14		18500		
	16	615	3.1	87.14	B5/14		18500		
	15	675	2.8	95.67	B5/14		18500		
	13	775	2.5	109.93	B5/14		18500		
	12	849	2.2	120.36	B5/14		18500		
	10	950	2.0	134.66	B5/14		18500		
	9.5	1044	1.8	147.98	B5/14		18500		
	8.6	1146	1.7	162.45	B5/14		18500		
	7.3	1350	1.4	191.39	B5/14		18500		
	6.7	1478	1.3	209.48	B5/14		18500		
	6.1	1628	1.2	230.85	B5/14		18500		
	23	435	8.0	61.74	ITH143		B5/14	22500	
	21	471	7.4	66.73		B5/14	22500		
	18	560	6.2	79.43		B5/14	22500		
	16	606	5.8	85.85		B5/14	22500		
	13	786	4.5	111.40		B5/14	22500		
	12	849	4.1	120.42		B5/14	22500		
	11	930	3.8	131.84		B5/14	22500		
	9.5	1040	3.4	147.51		B5/14	22500		
	8.6	1143	3.1	162.10		B5/14	22500		
	7.9	1255	2.8	177.95		B5/14	22500		
	7.2	1368	2.6	193.96		B5/14	22500		
	6.7	1479	2.4	209.65		B5/14	22500		
	6.1	1618	2.2	229.46		B5/14	22500		
	5.5	1784	2.0	252.87		B5/14	22500		
	1.5								
	90L4 (1400 min ⁻¹)	260	53	6.6		5.38	ITH112	B5/14	4313
		216	64	5.5		6.47		B5/14	4769
		178	77	5.2		7.88		B5/14	5299
		164	84	4.8	8.54	B5/14		5531	
155		89	4.7	9.06	B5/14	5703			
136		101	4.2	10.28	B5/14	6088			
123		112	4.3	11.39	B5/14	6414			
112		123	3.9	12.52	B5/14	6723			
95		145	3.4	14.80	B5/14	7294			
77		178	3.0	18.10	B5/14	8009			
69		199	2.7	20.25	B5/14	8200			
60		231	2.6	23.52	B5/14	8200			
49		283	2.3	28.77	B5/14	8200			
44		316	2.2	32.18	B5/14	8200			
39		357	1.9	36.35	B5/14	8200			
34		408	1.7	41.57	B5/14	8200			
31		433	1.6	44.99	ITH113	B5/14	8200		
25		532	1.3	55.27		B5/14	8200		
21		650	1.1	67.61		B5/14	8200		
19		721	1.0	74.96		B5/14	8200		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]		
1.1									
90S4 (1400 min ⁻¹)	23	430	4.4	60.92	ITH133	B5/14	18500		
	22	457	4.2	64.74		B5/14	18500		
	20	500	3.8	70.88		B5/14	18500		
	18	553	3.4	78.38		B5/14	18500		
	16	615	3.1	87.14		B5/14	18500		
	15	675	2.8	95.67		B5/14	18500		
	13	775	2.5	109.93		B5/14	18500		
	12	849	2.2	120.36		B5/14	18500		
	10	950	2.0	134.66		B5/14	18500		
	9.5	1044	1.8	147.98		B5/14	18500		
	8.6	1146	1.7	162.45		B5/14	18500		
	7.3	1350	1.4	191.39		B5/14	18500		
	6.7	1478	1.3	209.48		B5/14	18500		
	6.1	1628	1.2	230.85		B5/14	18500		
	23	435	8.0	61.74		ITH143	B5/14	22500	
	21	471	7.4	66.73	B5/14		22500		
	18	560	6.2	79.43	B5/14		22500		
	16	606	5.8	85.85	B5/14		22500		
	13	786	4.5	111.40	B5/14		22500		
	12	849	4.1	120.42	B5/14		22500		
	11	930	3.8	131.84	B5/14		22500		
	9.5	1040	3.4	147.51	B5/14		22500		
	8.6	1143	3.1	162.10	B5/14		22500		
	7.9	1255	2.8	177.95	B5/14		22500		
	7.2	1368	2.6	193.96	B5/14		22500		
	6.7	1479	2.4	209.65	B5/14		22500		
	6.1	1618	2.2	229.46	B5/14		22500		
	5.5	1784	2.0	252.87	B5/14		22500		
	1.5								
	90L4 (1400 min ⁻¹)	260	53	6.6	5.38		ITH112	B5/14	4313
		216	64	5.5	6.47			B5/14	4769
		178	77	5.2	7.88			B5/14	5299
		164	84	4.8	8.54	B5/14		5531	
155		89	4.7	9.06	B5/14	5703			
136		101	4.2	10.28	B5/14	6088			
123		112	4.3	11.39	B5/14	6414			
112		123	3.9	12.52	B5/14	6723			
95		145	3.4	14.80	B5/14	7294			
77		178	3.0	18.10	B5/14	8009			
69		199	2.7	20.25	B5/14	8200			
60		231	2.6	23.52	B5/14	8200			
49		283	2.3	28.77	B5/14	8200			
44		316	2.2	32.18	B5/14	8200			
39		357	1.9	36.35	B5/14	8200			
34		408	1.7	41.57	B5/14	8200			
31		433	1.6	44.99	ITH113	B5/14	8200		
25		532	1.3	55.27		B5/14	8200		
21		650	1.1	67.61		B5/14	8200		
19		721	1.0	74.96		B5/14	8200		



技术参数

Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
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P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]
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1.5

1.5

90L4 (1400 min ⁻¹)	271	50	11	5.17	ITH122	B5/14	6002
	209	66	8.4	6.69		B5/14	6929
	180	77	7.8	7.79		B5/14	7541
	159	87	7.5	8.82		B5/14	8073
	139	99	7.6	10.08		B5/14	8681
	123	111	6.7	11.35		B5/14	9253
	105	131	6.5	13.30		B5/14	10067
	88	156	5.4	15.92		B5/14	11056
	82	168	5.1	17.11		B5/14	11473
	72	192	4.4	19.50		B5/14	12254
	65	210	4.3	21.43		B5/14	12500
	58	236	4.2	24.00		B5/14	12500
	53	258	3.8	26.28		B5/14	12500
	48	289	3.4	29.40		B5/14	12500
	43	317	3.1	32.31		B5/14	12500
	39	348	2.8	35.47		B5/14	12500
	34	410	2.4	41.78		B5/14	12500
	31	449	2.2	45.73		B5/14	12500
	28	495	2.0	50.40		B5/14	12500

90L4 (1400 min ⁻¹)	23	594	5.9	61.74	ITH143	B5/14	22500
	21	642	5.5	66.73		B5/14	22500
	18	764	4.6	79.43		B5/14	22500
	16	826	4.2	85.85		B5/14	22500
	13	1072	3.3	111.40		B5/14	22500
	12	1158	3.0	120.42		B5/14	22500
	11	1268	2.8	131.84		B5/14	22500
	9.5	1419	2.5	147.51		B5/14	22500
	8.6	1559	2.2	162.10		B5/14	22500
	7.9	1712	2.0	177.95		B5/14	22500
	7.2	1866	1.9	193.96		B5/14	22500
	6.7	2016	1.7	209.65		B5/14	22500
	6.1	2207	1.6	229.46		B5/14	22500
	5.5	2432	1.4	252.87		B5/14	22500

1.85

90LB4 (1400 min ⁻¹)	260	65	5.4	5.38	ITH112	B5/14	4276
	216	78	4.5	6.47		B5/14	4721
	178	95	4.2	7.88		B5/14	5232
	164	103	3.9	8.54		B5/14	5455
	155	110	3.8	9.06		B5/14	5620
	136	125	3.4	10.28		B5/14	5987
	123	138	3.5	11.39		B5/14	6295
	112	152	3.2	12.52		B5/14	6584
	95	179	2.8	14.80		B5/14	7113
	77	219	2.4	18.10		B5/14	7761
	69	245	2.2	20.25		B5/14	8120
	60	285	2.1	23.52		B5/14	8200
	49	349	1.9	28.77		B5/14	8200
	44	390	1.7	32.18		B5/14	8200
	39	440	1.5	36.35		B5/14	8200
	34	504	1.4	41.57		B5/14	8200

	25	539	1.8	56.00	ITH123	B5/14	12500
	23	590	1.7	61.31		B5/14	12500
	20	678	1.4	70.53		B5/14	12500
	17	779	1.3	81.00		B5/14	12500
	16	853	1.1	88.68		B5/14	12500
	13	1012	1.0	105.23		B5/14	12500

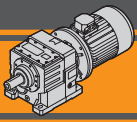
	155	89	10	9.03	ITH132	B5/14	18500
	136	101	9.4	10.30		B5/14	18500
	127	108	8.8	11.01		B5/14	18500
	113	122	9.9	12.39		B5/14	18500
	95	145	8.3	14.80		B5/14	18500
	93	148	8.8	15.11		B5/14	18500
	75	184	8.2	18.69		B5/14	18500
	69	199	8.0	20.31		B5/14	18500
	55	252	6.4	25.65		B5/14	18500
	51	270	6.3	27.48		B5/14	18500
	46	299	5.7	30.46		B5/14	18500
	40	340	5.6	34.61		B5/14	18500
	37	370	5.1	37.71		B5/14	18500
	33	411	4.6	41.80		B5/14	18500
	31	448	4.2	45.60		B5/14	18500
	28	490	3.9	49.88		B5/14	18500

	31	534	1.3	44.99	ITH113	B5/14	8200
	25	656	1.1	55.27		B5/14	8200

	23	586	3.2	60.92	ITH133	B5/14	18500
	22	623	3.1	64.74		B5/14	18500
	20	682	2.8	70.88		B5/14	18500
	18	754	2.5	78.38		B5/14	18500
	16	838	2.3	87.14		B5/14	18500
	15	920	2.1	95.67		B5/14	18500
	13	1057	1.8	109.93		B5/14	18500
	12	1158	1.6	120.36		B5/14	18500
	10	1295	1.5	134.66		B5/14	18500
	9.5	1423	1.3	147.98		B5/14	18500
	8.6	1562	1.2	162.45		B5/14	18500
	7.3	1841	1.0	191.39		B5/14	18500

	271	61	9.0	5.17	ITH122	B5/14	5973
	209	81	6.8	6.69		B5/14	6884
	180	94	6.4	7.79		B5/14	7485
	159	107	6.1	8.82		B5/14	8004
	139	122	6.1	10.08		B5/14	8595
	123	137	5.5	11.35		B5/14	9150
	105	161	5.3	13.30		B5/14	9935
	88	193	4.4	15.92		B5/14	10880
	82	207	4.1	17.11		B5/14	11276
	72	236	3.6	19.50		B5/14	12012
	65	260	3.5	21.43		B5/14	12500
	58	291	3.4	24.00		B5/14	12500
	53	318	3.1	26.28		B5/14	12500
	48	356	2.8	29.40		B5/14	12500
	43	391	2.5	32.31		B5/14	12500
	39	430	2.3	35.47		B5/14	12500
	34	506	1.9	41.78		B5/14	12500
	31	554	1.8	45.73		B5/14	12500
	28	611	1.6	50.40		B5/14	12500

	25	664	1.5	56.00	ITH123	B5/14	12500
	23	727	1.3	61.31		B5/14	12500
	20	837	1.2	70.53		B5/14	12500
	17	961	1.0	81.00		B5/14	12500
	16	1052	0.9	88.68		B5/14	12500







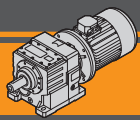
ITH

斜齿轮减速电机
Helical in-line gearmotors

技术参数





Technical data

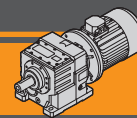
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
2.2								3 0								
100LA4 (1400 min ⁻¹)	23	871	4.0	61.74	ITH143	B5/14	22500	100LB4 (1400 min ⁻¹)	155	177	5.1	9.03	ITH132	B5/14	18500	
	21	941	3.7	66.73		B5/14	22500		136	202	4.7	10.30		B5/14	18500	
	18	1120	3.1	79.43		B5/14	22500		127	216	4.4	11.01		B5/14	18500	
	16	1211	2.9	85.85		B5/14	22500		113	243	4.9	12.39		B5/14	18500	
	13	1572	2.2	111.40		B5/14	22500		95	291	4.1	14.80		B5/14	18500	
	12	1699	2.1	120.42		B5/14	22500		93	297	4.4	15.11		B5/14	18500	
	11	1860	1.9	131.84		B5/14	22500		75	367	4.1	18.69		B5/14	18500	
	9.5	2081	1.7	147.51		B5/14	22500		69	399	4.0	20.31		B5/14	18500	
	8.6	2287	1.5	162.10		B5/14	22500		55	504	3.2	25.65		B5/14	18500	
	7.9	2510	1.4	177.95		B5/14	22500		51	540	3.1	27.48		B5/14	18500	
	7.2	2736	1.3	193.96		B5/14	22500		46	598	2.8	30.46		B5/14	18500	
	6.7	2957	1.2	209.65		B5/14	22500		40	680	2.8	34.61		B5/14	18500	
	6.1	3237	1.1	229.46		B5/14	22500		37	741	2.6	37.71		B5/14	18500	
	5.5	3567	1.0	252.87	B5/14	22500		33	821	2.3	41.80	B5/14	18500			
								31	896	2.1	45.60	B5/14	18500			
								28	980	1.9	49.88	B5/14	18500			
3.0								3 0								
100LB4 (1400 min ⁻¹)	260	106	3.3	5.38	ITH112	B5/14	4157		23	1172	1.6	60.92	ITH133	B5/14	18500	
	216	127	2.8	6.47		B5/14	4561		22	1245	1.5	64.74		B5/14	18500	
	178	155	2.6	7.88		B5/14	5014		20	1363	1.4	70.88		B5/14	18500	
	164	168	2.4	8.54		B5/14	5207		18	1508	1.3	78.38		B5/14	18500	
	155	178	2.4	9.06		B5/14	5348		16	1676	1.1	87.14		B5/14	18500	
	136	202	2.1	10.28		B5/14	5654		15	1840	1.0	95.67		B5/14	18500	
	123	224	2.1	11.39		B5/14	5903									
	112	246	2.0	12.52		B5/14	6130		110	251	8.8	12.78		ITH142	B5/14	22500
	95	291	1.7	14.80		B5/14	6521		99	277	8.3	14.08			B5/14	22500
	77	356	1.5	18.10		B5/14	6946		85	322	7.1	16.40			B5/14	22500
	69	398	1.3	20.25		B5/14	7146		69	398	7.0	20.24			B5/14	22500
	60	462	1.3	23.52		B5/14	7350		54	511	6.3	25.99			B5/14	22500
	49	565	1.2	28.77		B5/14	7459		43	636	5.0	32.35			B5/14	22500
	44	632	1.1	32.18	B5/14	7402		32	856	3.7	43.57	B5/14	22500			
								30	930	3.4	47.35	B5/14	22500			
	271	99	5.5	5.17	ITH122	B5/14	5878		27	1017	3.1	51.76	B5/14		22500	
	209	131	4.2	6.69		B5/14	6738									
	180	153	3.9	7.79		B5/14	7298		23	1188	2.9	61.74	ITH143		B5/14	22500
	159	173	3.8	8.82		B5/14	7777		21	1284	2.7	66.73			B5/14	22500
	139	198	3.8	10.08		B5/14	8315		18	1528	2.3	79.43			B5/14	22500
	123	223	3.4	11.35		B5/14	8812		16	1651	2.1	85.85		B5/14	22500	
	105	261	3.3	13.30		B5/14	9500		13	2143	1.6	111.40		B5/14	22500	
	88	313	2.7	15.92		B5/14	10302		12	2316	1.5	120.42		B5/14	22500	
	82	336	2.5	17.11		B5/14	10628		11	2536	1.4	131.84		B5/14	22500	
	72	383	2.2	19.50		B5/14	11215		9.5	2838	1.2	147.51		B5/14	22500	
	65	421	2.1	21.43		B5/14	11633		8.6	3118	1.1	162.10		B5/14	22500	
	58	471	2.1	24.00		B5/14	12118		7.9	3423	1.0	177.95		B5/14	22500	
	53	516	1.9	26.28		B5/14	12487									
	48	578	1.7	29.40	B5/14	12500										
	43	635	1.5	32.31	B5/14	12500										
	39	697	1.4	35.47	B5/14	12500										
	34	821	1.2	41.78	B5/14	12500										
	31	898	1.1	45.73	B5/14	12500										
	28	990	1.0	50.40	B5/14	12500										
	25	1077	0.9	56.00	ITH123	B5/14	12500	4.0								
								112M4 (1400 min ⁻¹)	260	141	2.5	5.38	ITH112	B5/14	4053	
									216	169	2.1	6.47		B5/14	4422	
									178	206	1.9	7.88		B5/14	4824	
									164	224	1.8	8.54		B5/14	4991	
									155	237	1.8	9.06		B5/14	5111	
									136	269	1.6	10.28		B5/14	5365	
									123	298	1.6	11.39		B5/14	5563	
									112	328	1.5	12.52		B5/14	5735	
									95	388	1.3	14.80		B5/14	6005	
									77	474	1.1	18.10		B5/14	6237	
									60	616	1.0	23.52		B5/14	6277	

**ITH**斜齿轮减速电机
Helical in-line gearmotors

技术参数





Technical data

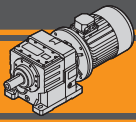
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]			
5.5								9.2										
132S4 (1400 min ⁻¹)	23	2177	1.6	61.74	ITH143	B5/B14	22500	132L4 (1400 min ⁻¹)	260	324	1.1	5.38	ITH112	B5/B14	3514			
	21	2353	1.5	66.73			B5/B14	22500		271	305	1.8			5.17	ITH122	B5/B14	5364
	18	2801	1.2	79.43			B5/B14	22500		209	403	1.4			6.69	B5/B14	B5/B14	5949
	16	3028	1.2	85.85			B5/B14	22500		180	469	1.3			7.79	B5/B14	B5/B14	6293
7.5																		
132MA4 (1400 min ⁻¹)	260	264	1.3	5.38	ITH112	B5/B14	3691		159	531	1.2	8.82	ITH132	B5/B14	6554			
	216	318	1.1	6.47			B5/B14	3935		139	607	1.2			10.08	B5/B14	B5/B14	6805
	178	387	1.0	7.88			B5/B14	4160		123	684	1.1			11.35	B5/B14	B5/B14	6989
	164	420	1.0	8.54			B5/B14	4235		105	801	1.1			13.30	B5/B14	B5/B14	7157
	155	445	0.9	9.06	B5/B14	4282			278	297	2.9	5.03	ITH132	B5/B14	12784			
	271	249	2.2	5.17	ITH122	B5/B14	5505		230	367	2.3	6.09			B5/B14	B5/B14	13938	
	209	328	1.7	6.69			B5/B14	6166		203	416	2.2			6.91	B5/B14	B5/B14	14736
	180	383	1.6	7.79			B5/B14	6569		186	452	2.0			7.51	B5/B14	B5/B14	15266
	159	433	1.5	8.82			B5/B14	6890		167	504	1.8	8.36	B5/B14	B5/B14	15945		
	139	495	1.5	10.08	B5/B14	7219		155	544	1.7	9.03	B5/B14	B5/B14	16426				
	123	557	1.3	11.35	B5/B14	7489		136	621	1.5	10.30	B5/B14	B5/B14	17221				
	105	653	1.3	13.30	B5/B14	7800		127	663	1.4	11.01	B5/B14	B5/B14	17599				
	88	782	1.1	15.92	B5/B14	8042		113	747	1.6	12.39	B5/B14	B5/B14	18229				
	82	840	1.0	17.11	B5/B14	8094		95	892	1.3	14.80	B5/B14	B5/B14	18500				
	278	242	3.5	5.03	ITH132	B5/B14	13028		93	910	1.4	15.11	ITH142	B5/B14	18500			
	230	299	2.8	6.09			B5/B14	14276		75	1126	1.3			18.69	B5/B14	B5/B14	18500
	203	339	2.7	6.91			B5/B14	15148		69	1223	1.3			20.31	B5/B14	B5/B14	18500
	186	369	2.4	7.51			B5/B14	15736		55	1545	1.0			25.65	B5/B14	B5/B14	18500
	167	411	2.2	8.36	B5/B14	16503		51	1656	1.0	27.48	B5/V14	B5/V14	18104				
	155	444	2.0	9.03	B5/B14	17056			228	363	5.0	6.15	ITH142	B5/B14	21179			
	136	506	1.9	10.30	B5/B14	17997		190	443	4.1	7.35	B5/B14			B5/B14	22500		
	127	541	1.8	11.01	B5/B14	18461		158	535	3.7	8.88	B5/B14			B5/B14	22500		
	113	609	2.0	12.39	B5/B14	18500		144	587	3.4	9.75	B5/B14			B5/B14	22500		
	95	727	1.7	14.80	B5/B14	18500		135	623	3.4	10.35	B5/B14	B5/B14	22500				
	93	742	1.8	15.11	B5/B14	18500		120	702	3.0	11.65	B5/B14	B5/B14	22500				
	75	918	1.6	18.69	B5/B14	18500		110	770	2.9	12.78	B5/B14	B5/B14	22500				
	69	997	1.6	20.31	B5/B14	18500		99	848	2.7	14.08	B5/B14	B5/B14	22500				
	55	1260	1.3	25.65	B5/B14	18500		85	988	2.3	16.40	B5/B14	B5/B14	22500				
	51	1350	1.3	27.48	B5/B14	18500		79	1068	2.6	17.73	B5/B14	B5/B14	22500				
	46	1496	1.1	30.46	B5/B14	18500		69	1219	2.3	20.24	B5/B14	B5/B14	22500				
	40	1700	1.1	34.61	B5/B14	18500		54	1566	2.0	25.99	B5/B14	B5/B14	22500				
	37	1852	1.0	37.71	B5/B14	18500		50	1693	1.9	28.10	B5/B14	B5/B14	22500				
	228	296	6.1	6.15	ITH142	B5/B14	21469		43	1949	1.6	32.35	ITH142	B5/B14	22500			
	190	361	5.0	7.35			B5/B14	22500		38	2234	1.4			37.09	B5/B14	B5/B14	22500
	158	436	4.6	8.88			B5/B14	22500		32	2625	1.2			43.57	B5/B14	B5/B14	22500
	144	479	4.2	9.75			B5/B14	22500		30	2853	1.1			47.35	B5/B14	B5/B14	22500
	135	508	4.1	10.35	B5/B14	22500		27	3118	1.0	51.76	B5/B14	B5/B14	22500				
	120	572	3.7	11.65	B5/B14	22500			23	3642	1.0	61.74	ITH143	B5/B14	22500			
	110	627	3.5	12.78	B5/B14	22500		11.0										
	99	691	3.3	14.08	B5/B14	22500		160M4 (1400 min ⁻¹)	278	355	2.4	5.03	ITH132	B5	12525			
	85	805	2.9	16.40	B5/B14	22500			230	439	1.9	6.09			B5	B5	13580	
	79	871	3.2	17.73	B5/B14	22500			203	498	1.8	6.91			B5	B5	14299	
	69	994	2.8	20.24	B5/B14	22500			186	541	1.7	7.51			B5	B5	14768	
	54	1277	2.5	25.99	B5/B14	22500			167	602	1.5	8.36	B5	B5	15355			
	50	1380	2.3	28.10	B5/B14	22500			155	650	1.4	9.03	B5	B5	15759			
	43	1589	2.0	32.35	B5/B14	22500			136	742	1.3	10.30	B5	B5	16398			
	38	1821	1.8	37.09	B5/B14	22500			127	793	1.2	11.01	B5	B5	16686			
	32	2140	1.5	43.57	B5/B14	22500			113	893	1.3	12.39	B5	B5	17128			
	30	2326	1.4	47.35	B5/B14	22500			95	1066	1.1	14.80	B5	B5	17547			
	27	2542	1.3	51.76	B5/B14	22500			93	1088	1.2	15.11	B5	B5	17571			
	23	2969	1.2	61.74	ITH143	B5/B14	22500		75	1346	1.1	18.69	B5	B5	17421			
	21	3209	1.1	66.73			B5/B14	22500		69	1463	1.1	20.31	B5	B5	17114		



技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]						
11.0								22.0													
160M4 (1400 min ⁻¹)	228	434	4.1	6.15	ITH142	B5	20871	180L4 (1400 min ⁻¹)	278	710	1.2	5.03	ITH132	B5	10941						
	190	529	3.4	7.35			B5		22500	230	878	1.0			6.09	B5	11394				
	158	640	3.1	8.88			B5		22500	228	868	2.1			6.15	ITH142	B5	18992			
	144	702	2.8	9.75			B5		22500	190	1059	1.7			7.35		B5	20034			
	135	745	2.8	10.35			B5		22500	158	1280	1.6			8.88		B5	21065			
	120	839	2.5	11.65			B5		22500	144	1404	1.4			9.75		B5	21474			
	110	920	2.4	12.78			B5		22500	135	1491	1.4			10.35		B5	21693			
	99	1014	2.3	14.08			B5		22500	120	1678	1.3			11.65		B5	22000			
	85	1181	1.9	16.40			B5		22500	110	1840	1.2			12.78		B5	22097			
	79	1277	2.2	17.73			B5		22500	99	2028	1.1			14.08		B5	22028			
	69	1458	1.9	20.24			B5		22500	85	2362	1.0			16.40		B5	21475			
	54	1872	1.7	25.99			B5		22500	79	2555	1.1			17.73		B5	20928			
	50	2024	1.6	28.10			B5		22500	69	2916	1.0			20.24	B5	19494				
	43	2330	1.4	32.35			B5		22500												
38	2671	1.2	37.09	B5	22500																
32	3139	1.0	43.57	B5	22500																
15.0								30.0													
160L4 (1400 min ⁻¹)	278	484	1.8	5.03	ITH132	B5	11949	200L4 (1400 min ⁻¹)	228	1183	1.5	6.15	ITH142	B5	17626						
	230	598	1.4	6.09			B5		12785	190	1444	1.2			7.35	B5	18195				
	203	679	1.3	6.91			B5		13329	158	1745	1.1			8.88	B5	18598				
	186	738	1.2	7.51			B5		13661	144	1915	1.0			9.75	B5	18625				
	167	821	1.1	8.36			B5		14043	135	2033	1.0			10.35	B5	18568				
	155	887	1.0	9.03			B5		14276	120	2288	0.9			11.65	B5	18247				
	228	592	3.0	6.15			ITH142		B5	20188											
	190	722	2.5	7.35						B5	21643										
	158	873	2.3	8.88						B5	22500										
	144	957	2.1	9.75						B5	22500										
	135	1016	2.1	10.35						B5	22500										
	120	1144	1.8	11.65						B5	22500										
	110	1255	1.8	12.78						B5	22500										
	99	1383	1.7	14.08						B5	22500										
85	1610	1.4	16.40	B5	22500																
79	1742	1.6	17.73	B5	22500																
69	1988	1.4	20.24	B5	22500																
54	2553	1.3	25.99	B5	22500																
50	2760	1.2	28.10	B5	22500																
43	3178	1.0	32.35	B5	22410																
18.5																					
180M4 (1400 min ⁻¹)	278	597	1.4	5.03	ITH132	B5	11445														
	230	738	1.2	6.09			B5	12090													
	203	837	1.1	6.91			B5	12480													
	186	910	1.0	7.51			B5	12692													
	228	730	2.5	6.15			ITH142	B5	19590												
	190	890	2.0	7.35					B5	20839											
	158	1076	1.9	8.88					B5	22145											
	144	1181	1.7	9.75					B5	22500											
	135	1254	1.7	10.35					B5	22500											
	120	1411	1.5	11.65					B5	22500											
	110	1548	1.4	12.78					B5	22500											
	99	1705	1.3	14.08					B5	22500											
	85	1986	1.2	16.40					B5	22500											
	79	2148	1.3	17.73					B5	22500											
69	2452	1.1	20.24	B5	22500																
54	3149	1.0	25.99	B5	20141																



ITH

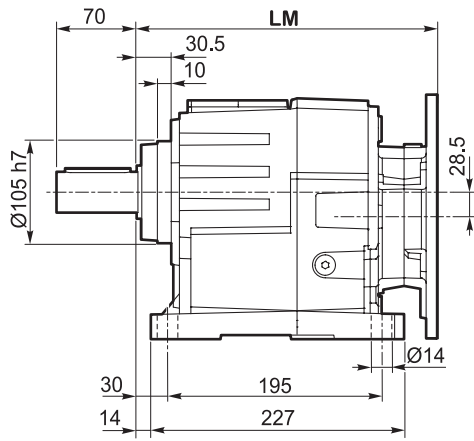
斜齿轮减速机
Helical in-line gearmotors

尺寸参数

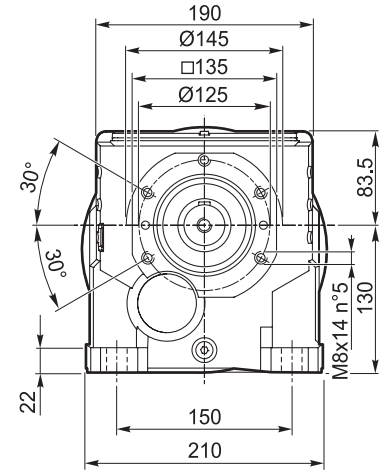
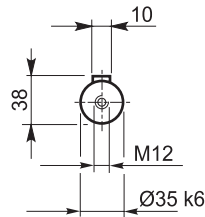
Dimensions

ITH 112 - ITH 113

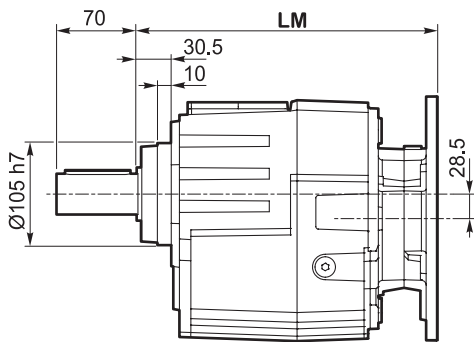
ITH 112 U
ITH 113 U



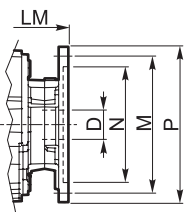
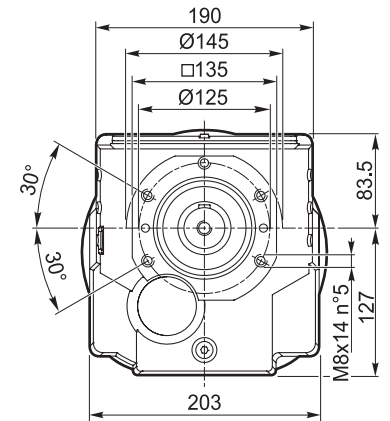
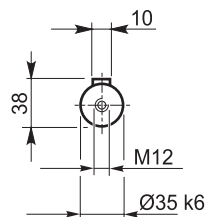
输出轴
Output shaft



ITH 112 G
ITH 113 G

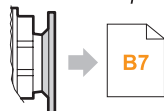


输出轴
Output shaft

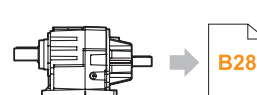


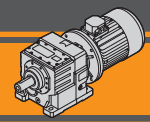
IEC 尺寸参数 IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	289			293,5	293	293,5	314	
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	

IEC 电机适配法兰
IEC Motor adapters



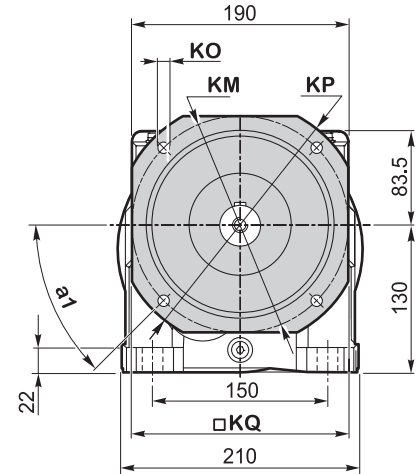
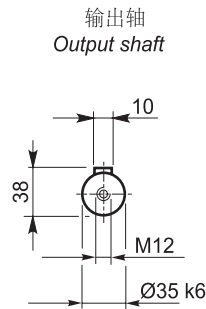
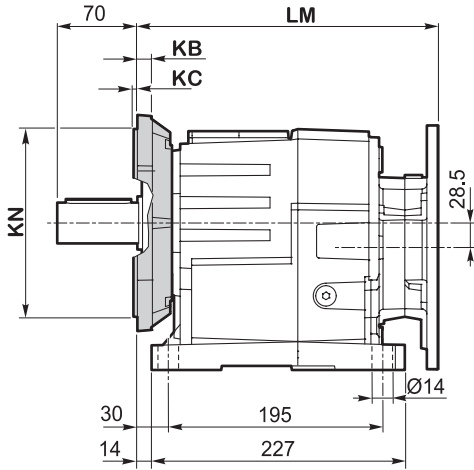
ITHIS 112...
ITHIS 113...



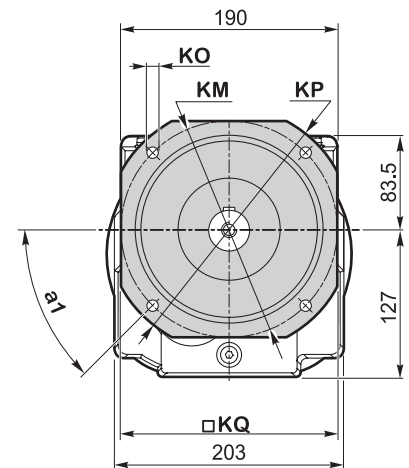
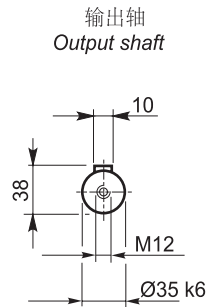
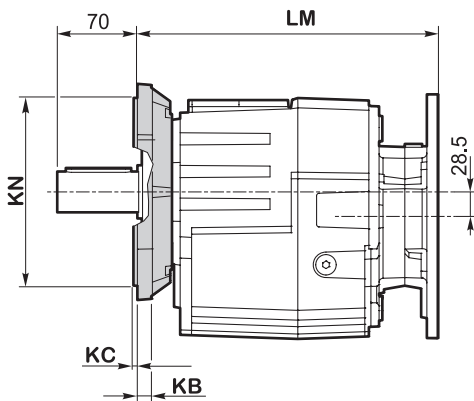


ITH 112 - ITH 113

ITH 112 U/F...
ITH 113 U/F...



ITH 112 F...
ITH 113 F...



输出法兰 F / F Version

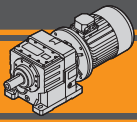
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	
									类型 / Type	重量 / Weight [kg]
112 113	45°	12	4	165	130	11	200	165	F200	2.1
	45°	12	4	215	180	14	250	215	F250	3.2

重量 / Weight [kg]

ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
112 U	28	29	29	28	30	28	34	31
112 G	26	27	27	26	29	26	32	29
113 U	28	29	29	28	-	-	-	-
113 G	27	28	28	27	-	-	-	-

注：此数值是按M1(B3)安装位置加油后的重量

Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

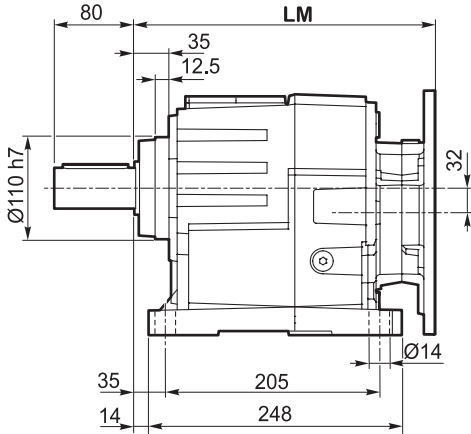
斜齿轮减速电机
Helical in-line gearmotors

尺寸参数

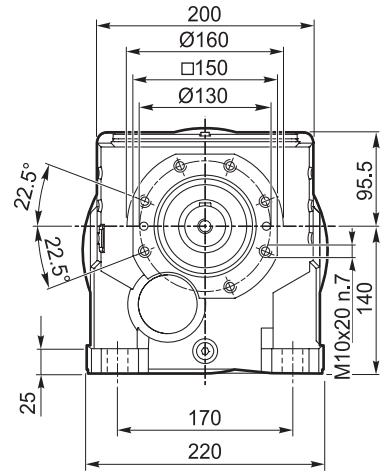
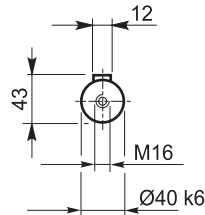
Dimensions

ITH 122 - ITH 123

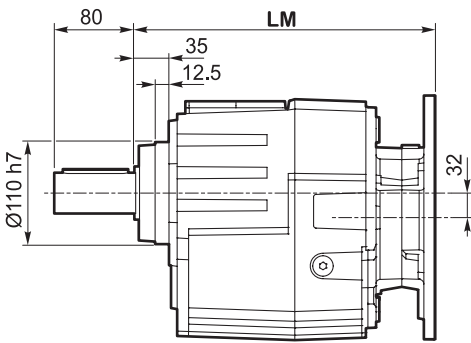
ITH 122 U
ITH 123 U



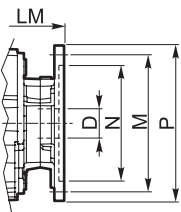
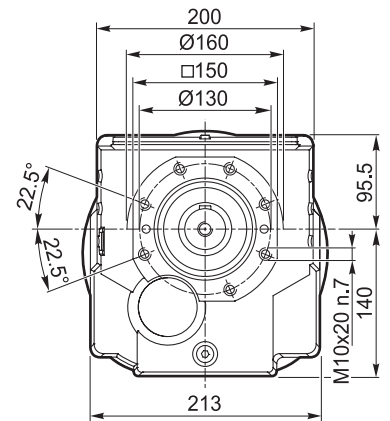
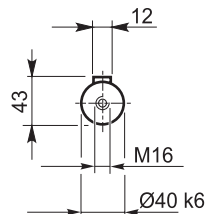
输出轴
Output shaft



ITH 122 G
ITH 123 G

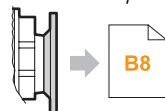


输出轴
Output shaft

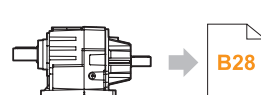


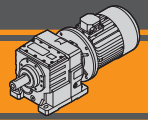
IEC 尺寸参数 / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	309.5			314	313.5	314	334.5	
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	

IEC 电机适配法兰
IEC Motor adapters



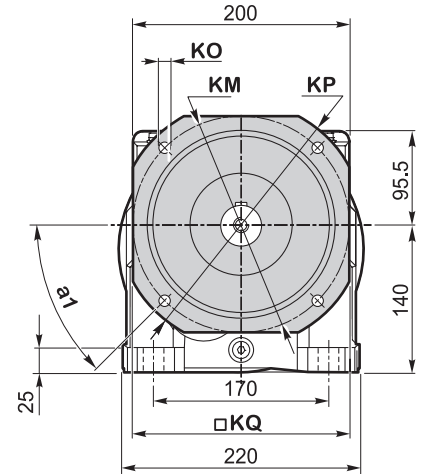
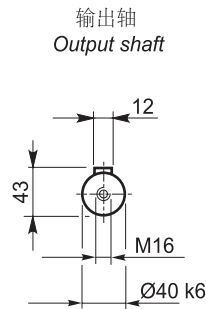
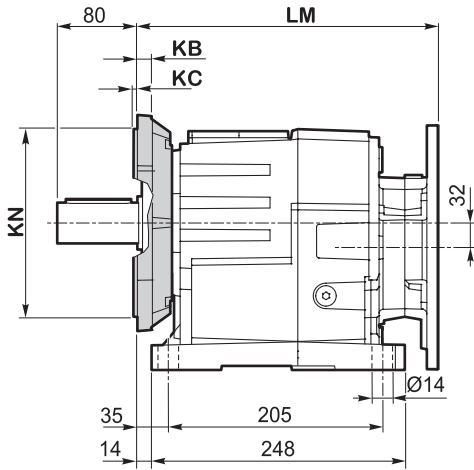
ITHIS 122...
ITHIS 123...



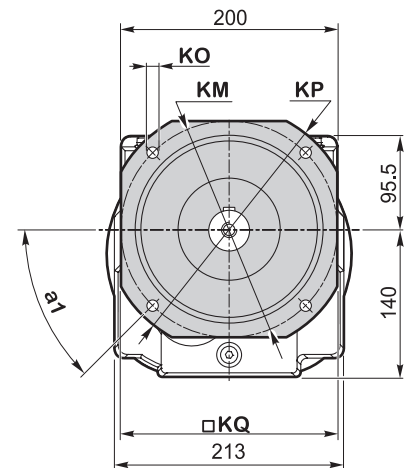
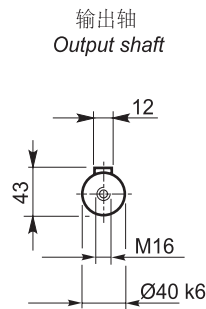
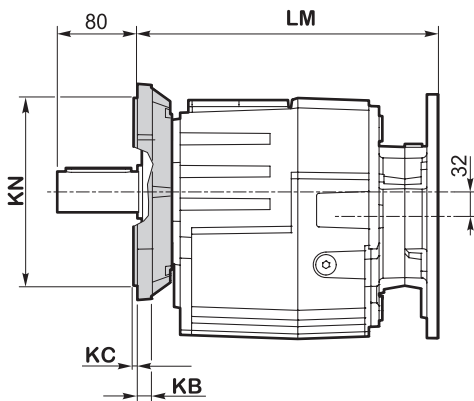


ITH 122- ITH 123

ITH 122 U/F...
ITH 123 U/F...



ITH 122 F...
ITH 123 F...



输出法兰 F / F Version

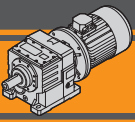
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	
									类型 / Type	重量 / Weight [kg]
122 123	45°	13	4	165	130	11	200	172	F200	2.6
	45°	13	4	215	180	14	250	215	F250	3.8
	45°	13	4	265	230	14	300	265	F300	5.6

重量 / Weight [kg]

ITH	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
122 U	-	36	36	35	38	35	41	38
122 G	-	34	34	33	36	33	39	36
123 U	36	37	37	36	39	36	-	-
123 G	34	35	35	34	37	34	-	-

注：此数值是按M1(B3)安装位置加油后的重量

Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

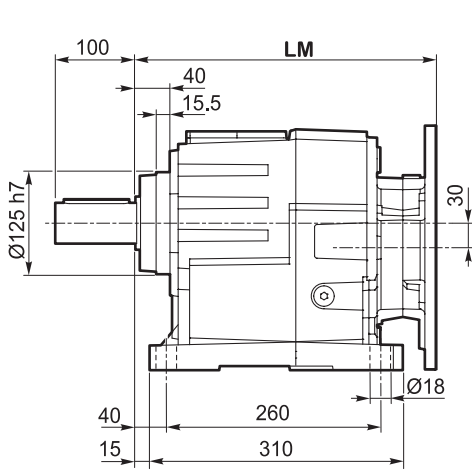
斜齿轮减速电机
Helical in-line gearmotors

尺寸参数

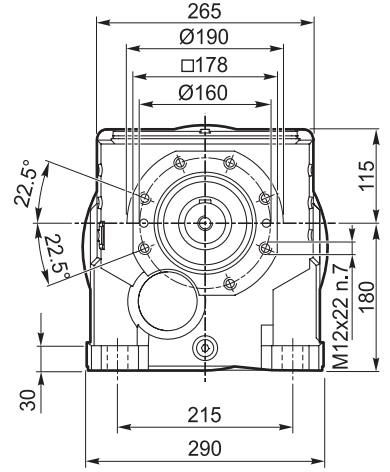
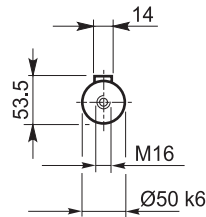
Dimensions

ITH 132 - ITH 133

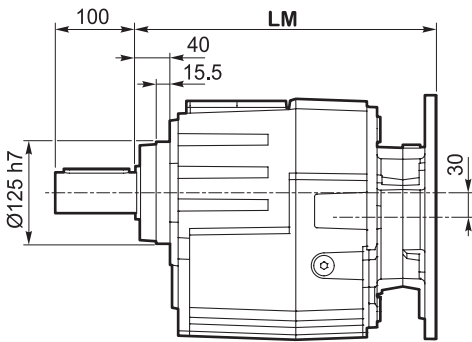
ITH 132 U
ITH 133 U



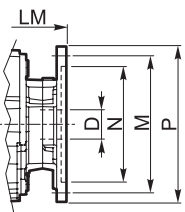
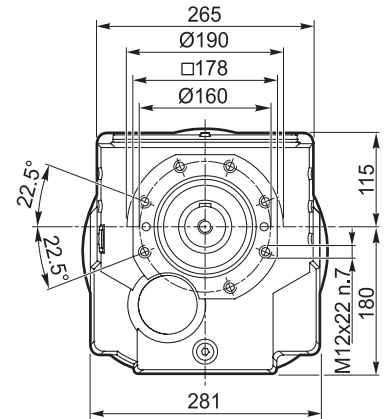
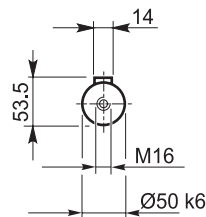
输出轴
Output shaft



ITH 132 G
ITH 133 G



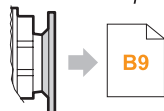
输出轴
Output shaft



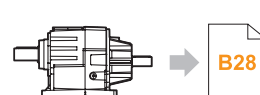
IEC 尺寸参数 / IEC Dimensions

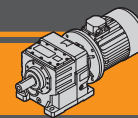
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
LM	340.5		345	344.5	345	365.5		415.5	
N	130		95	180	110	230	130	250	
M	165		115	215	130	265	165	300	
P	200		140	250	160	300	200	350	
D	19	24		28		38		42	48

IEC 电机适配法兰
IEC Motor adapters



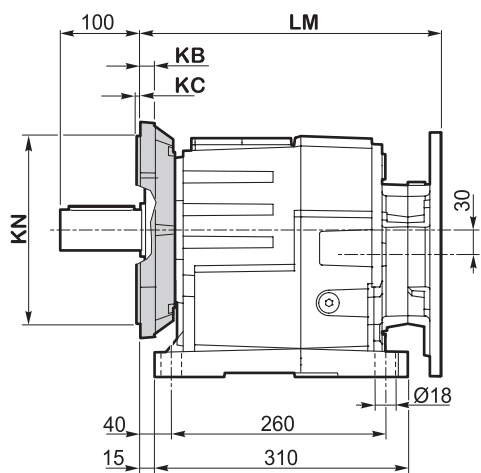
ITHIS 132...
ITHIS 133...



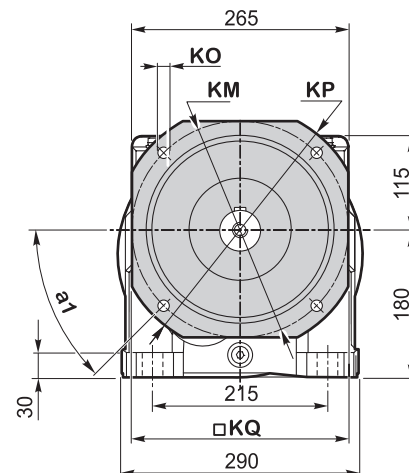
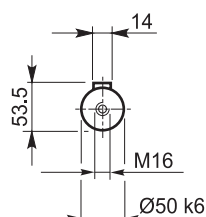


ITH 132- ITH 133

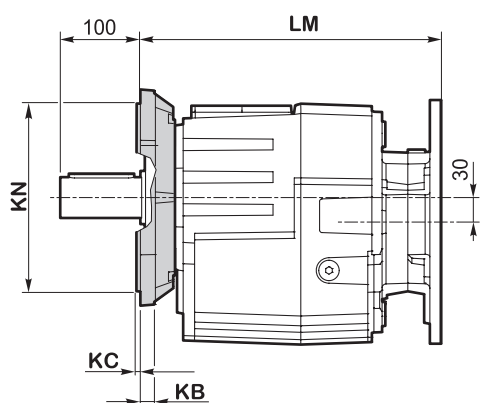
ITH 132 U/F...
ITH 133 U/F...



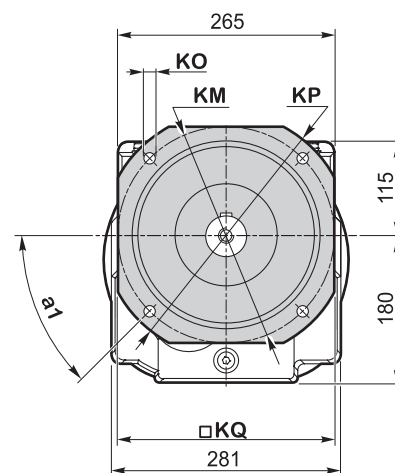
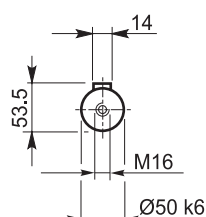
输出轴
Output shaft



ITH 132 F...
ITH 133 F...



输出轴
Output shaft



输出法兰 F / F Version

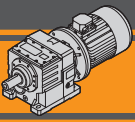
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	重量 / Weight [kg]
									类型 / Type	
132 133	45°	16	4	215	180	14	250	215	F250	4.8
	45°	16	4	265	230	14	300	260	F300	7.1
	45°	16	4	300	250	18	350	300	F350	9.1

重量 / Weight [kg]

ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
132 U		67	66	68	66	72	69		83
132 G		63	62	64	62	68	65		79
133 U		69	68	70	68	74	71	-	-
133 G		65	64	66	64	70	67	-	-

注：此数值是按M1(B3)安装位置加油后的重量

Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITH

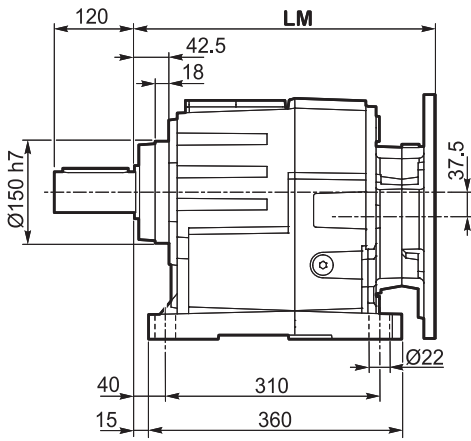
斜齿轮减速电机
Helical in-line gearmotors

尺寸参数

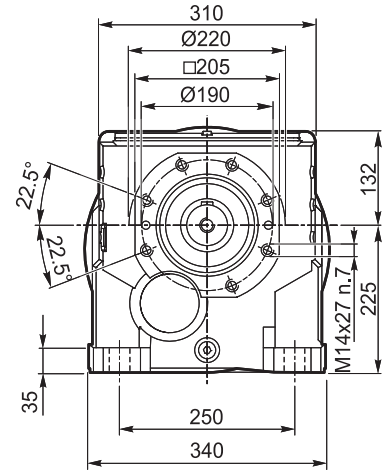
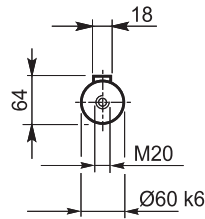
Dimensions

ITH 142 - ITH 143

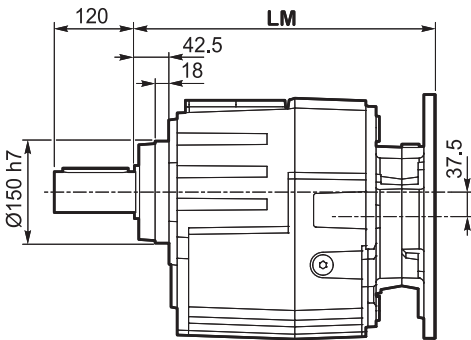
ITH 142 U
ITH 143 U



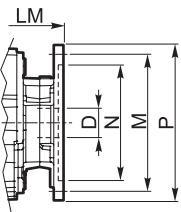
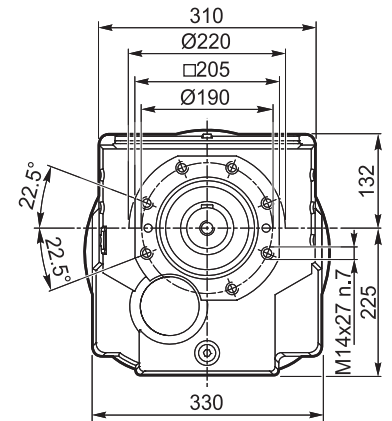
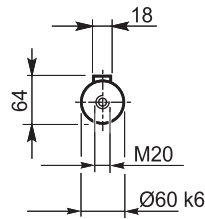
输出轴
Output shaft



ITH 142 G
ITH 143 G



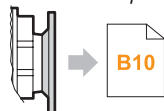
输出轴
Output shaft



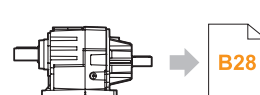
IEC 尺寸参数 / IEC Dimensions

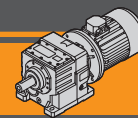
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
LM	373.5	378	377.5	378	378	398.5		448.5	460.5	
N	130	95	180	110	230	130	250	300	350	
M	165	115	215	130	265	165	300	350	400	
P	200	140	250	160	300	200	350	400	455	
D	19	24	28	38	42	48	55			

IEC 电机适配法兰
IEC Motor adapters



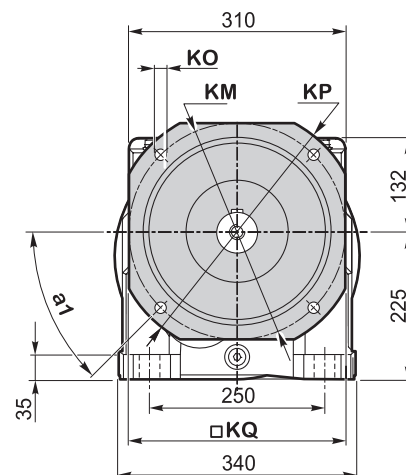
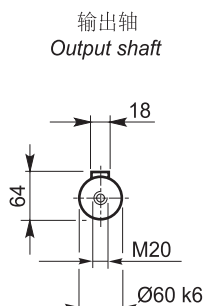
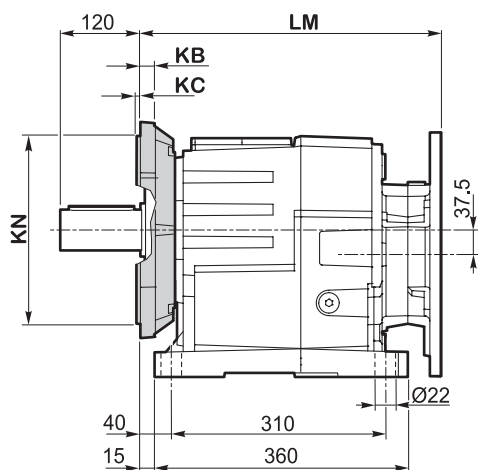
ITHIS 142...
ITHIS 143...



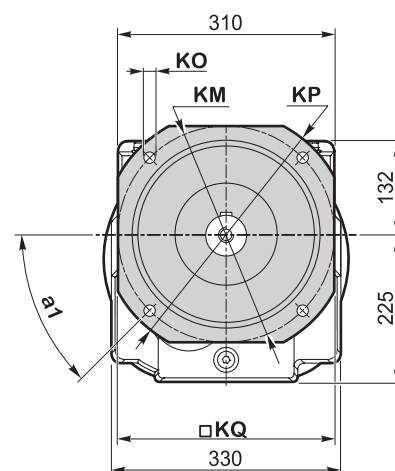
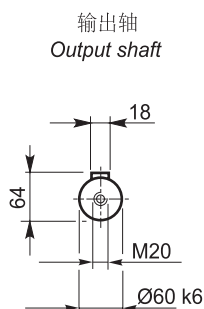
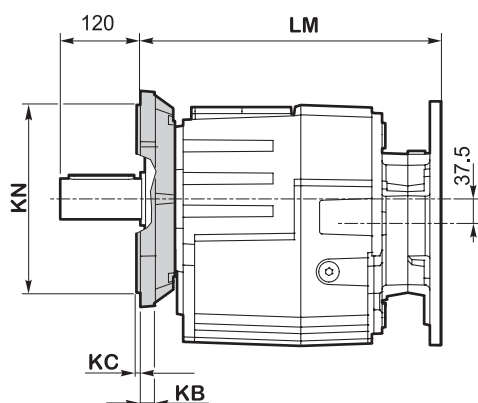


ITH 142- ITH 143

ITH 142 U/F...
ITH 143 U/F...



ITH 142 F...
ITH 143 F...



输出法兰 F / F Version

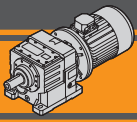
ITH	a ₁	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange 类型 / Type	重量 / Weight [kg]
142 143	45°	18	4	265	230	14	300	265	F300	7.4
	45°	18	5	300	250	18	350	300	F350	10.2
	45°	18	5	400	350	18	450	400	F450	16.9

重量 / Weight [kg]

ITH	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	200 B5
142 U	-	-	-	105	102	108	105	119		129
142 G	-	-	-	99	96	102	99	113		123
143 U		106		105	108	105	111	108	-	-
143 G		100		99	102	99	105	102	-	-

注：此数值是按M1(B3)安装位置加油后的重量

Note: weight of the gearbox filled with oil for M1 (B3) assembly position



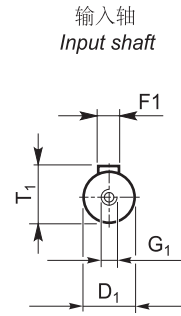
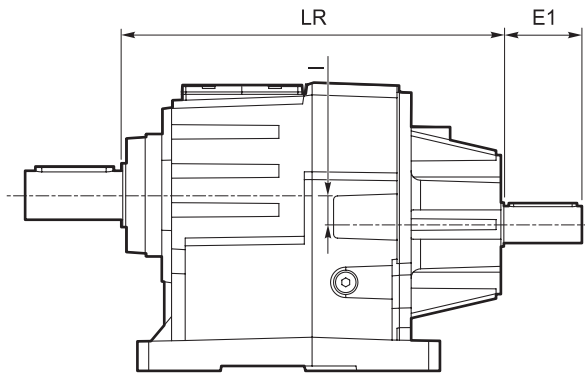
ITH

斜齿轮减速电机
Helical in-line gearmotors

尺寸参数

Dimensions

IThis...



IThis	重量 / Weight [kg]
112 U	29
112 G	28
113 U	30
113 G	28
122 U	37
122 G	35
123 U	38
123 G	36
132 U	73
132 G	69
133 U	69
133 G	65
142 U	110
142 G	104
143 U	107
143 G	101

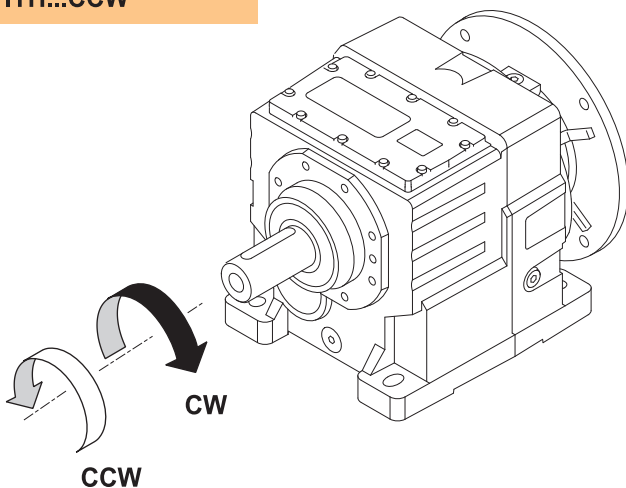
IThis	型号 Version	LR	D1	E1	I	T1	F1	G1
112	U G U/F... F...	321.5	28	60	28.5	31	8	M10
113		321.5	24	50	28.5	27	8	M8
122		342	28	60	32	31	8	M10
123		342	28	60	32	31	8	M10
132		390.5	38	80	30	41	10	M12
133		373	28	60	30	31	8	M10
142		423.5	38	80	37.5	41	10	M12
143		406	28	60	37.5	31	8	M10

附件

Accessories

逆止装置 / Backstop device

ITh...CW
ITh...CCW



逆止装置只允许有一个输出旋转方向。
使用前请按附图指定输出旋转方向。
The backstop device allows the output shaft to rotate in just one direction. Before using it, please specify output shaft rotation direction as shown in the figure.

TRANSTECNO[®]
the modular gearmotor

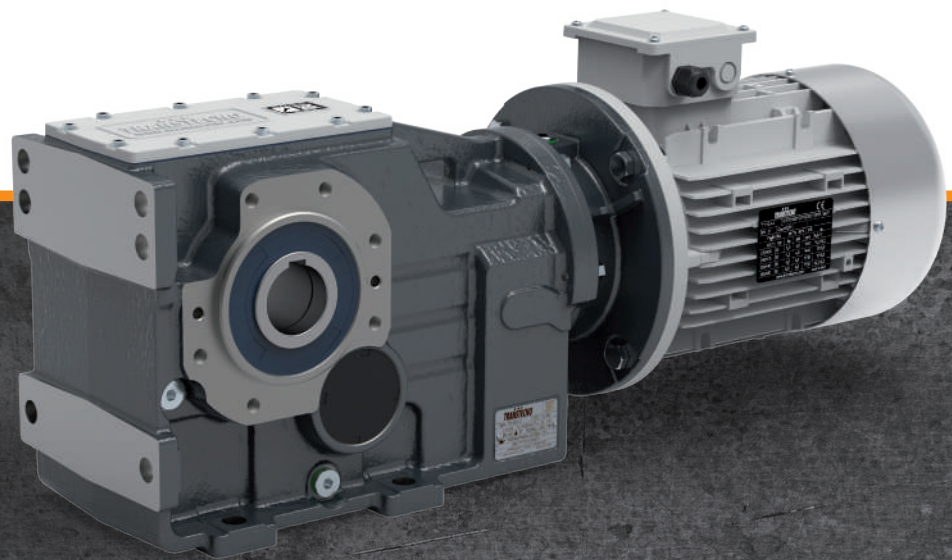
ITB

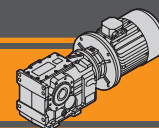
ITB



伞齿轮减速电机

Helical bevel gearmotors

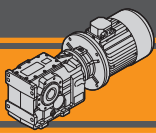




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技术特征	<i>Technical features</i>	C2
类型	<i>Versions</i>	C2
选型	<i>Classification</i>	C3
运转方向	<i>Direction of rotation</i>	C3
代号说明	<i>Symbols</i>	C4
润滑油	<i>Lubrication</i>	C4
输入径向负荷	<i>Input radial loads</i>	C6
输出径向负荷	<i>Output radial loads</i>	C6
技术参数	<i>Technical data</i>	C7
尺寸参数	<i>Dimensions</i>	C16
附件	<i>Accessories</i>	C22

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ITB 伞齿轮减速电机 Helical bevel gearmotors

技术特征

ITB系列减速电机适用于重负载行业，铁壳箱体和模块化的输入输出组件增强了其应用稳定性。

ITB系列的主要特征：

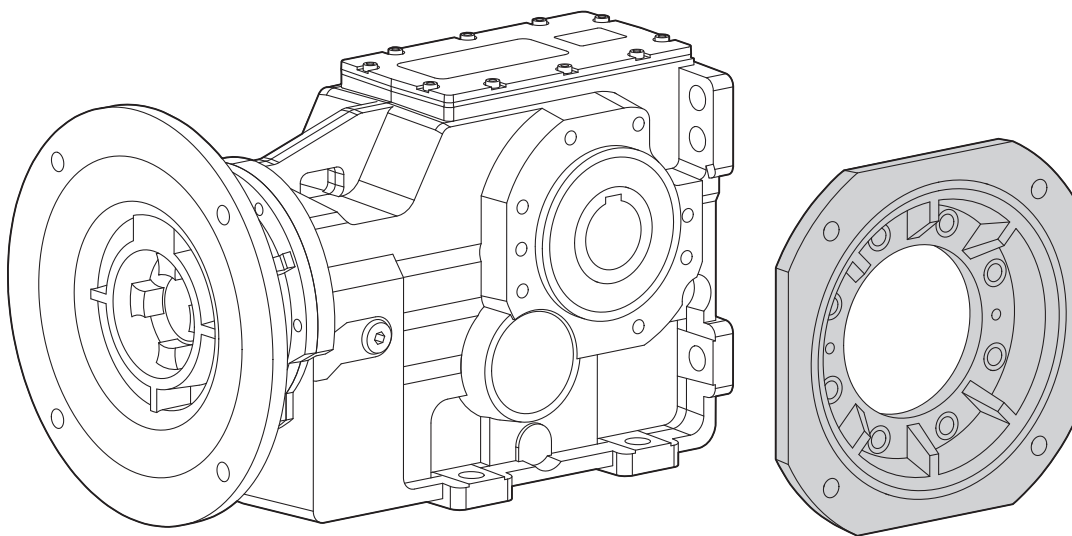
- 高强度的铸铁箱体；
- 高度模块化；
- 矿物油；
- 空心输入轴连接电机；
- 表面喷塑，RAL7016平均厚度0.10-0.15mm。

Technical features

The ITB gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.

The main features of ITB range are:

- Robust cast iron housings;
- High degree of modularity;
- Lubrication with mineral oil;
- Coupled to motor with input coupling;
- Epoxy powder coating RAL 7016 average thickness 0,10 – 0,15 mm.

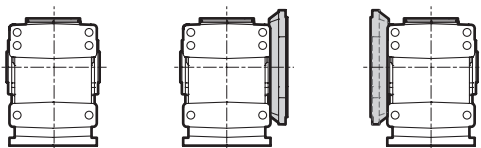


类型

Versions

减速机型式
Gearbox Version

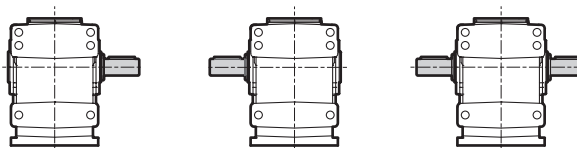
输出轴
Output shaft



U

F.. D

F.. S



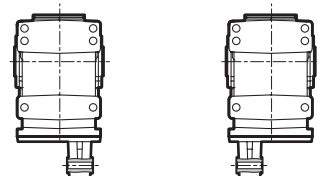
SZDX

SZSX

DZ

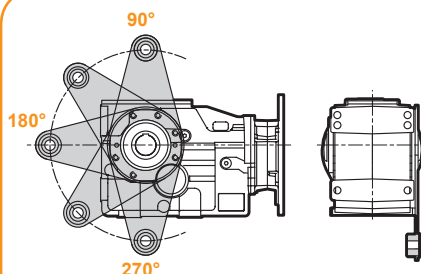
扭力臂
Torque arm

扭力臂
Torque arm

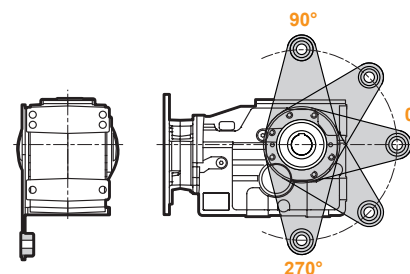


TADX

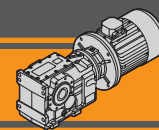
TASX



BRDX



BRSX



选型

Classification

减速机 / GEARBOX											
ITB	42	3	U	20.12	D40	132	B5	SZDX	BRSX	M1	CW
型号 Type	规格 Size	级数 Stages	减速机型式 Version	速比 Ratio	输出轴 Output shaft	IEC 	法兰型式 Version	输出轴 Output shaft	扭力臂 Torque arm	安装位置 Mounting position	逆止装置 Backstop device
	42 43 44	3	U F...D F...S	见表格 see tables	D... 标准 G... 锁紧盘 shrink disc	80.. — 180..	B5 B14	SZDX SZSX DZ	* TADX TASX BRDX 90°...270° BRSX 0°...270°	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	CW CCW

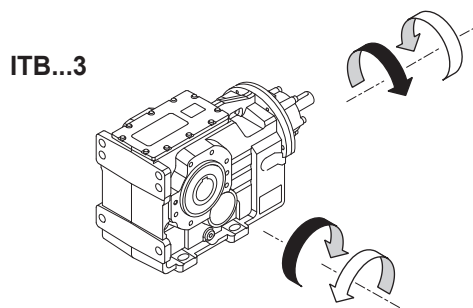
减速机 / GEARBOX								
ITBIS	42	3	U	20.12	D40	SZDX	BRSX	M1
型号 Type	规格 Size	级数 Stages	减速机型式 Version	速比 Ratio	输出轴 Output shaft	输出轴 Output shaft	扭力臂 Torque arm	安装位置 Mounting position
	42 43 44	3	U F...D F...S	见表格 see tables	D... 标准 G... 锁紧盘 shrink disc	SZDX SZSX DZ	* TADX TASX BRDX 90°...270° BRSX 0°...270°	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

电机 / MOTOR						
5.5kW	4p	3ph	230/400V	50Hz	T1	
功率 Power	极数 Poles	相数 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.	
见表格 see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz		

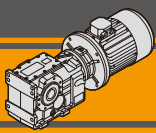
* 注：扭力臂作为配件提供，不安装在减速机上
NOTE: the torque arm will be supplied not assembled.

旋转方向

Direction of rotation



反向旋转可定制
Inverse rotation on request



ITB 伞齿轮减速电机 Helical bevel gearmotors

代号说明

Symbols

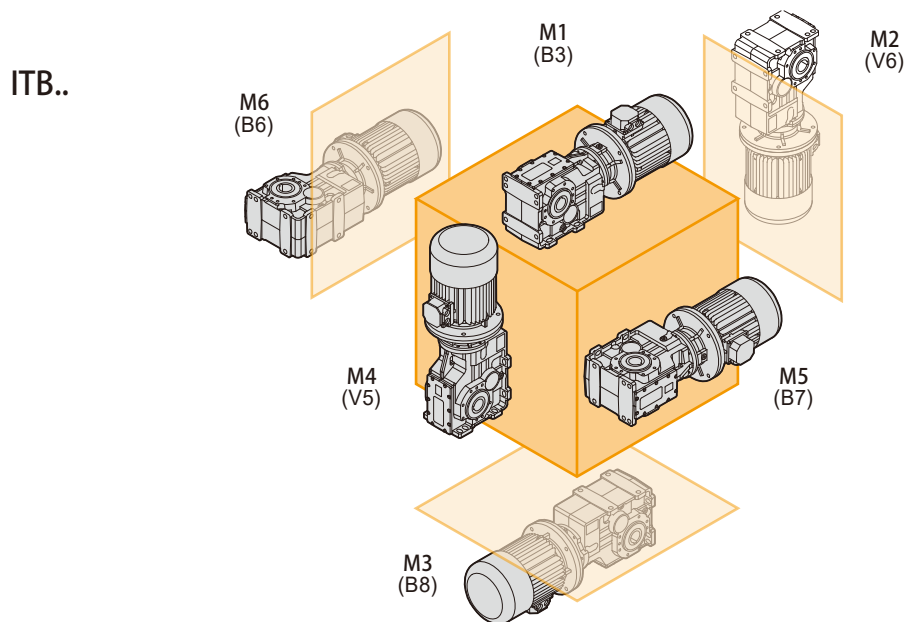
n_1	[min^{-1}]	输入转速 / <i>Input speed</i>
n_2	[min^{-1}]	输出转速 / <i>Output speed</i>
i		速比 / <i>Ratio</i>
P_1	[kW]	输出功率 / <i>Input power</i>
M_2	[Nm]	输出扭矩参照 P_1 / <i>Output torque referred to P_1</i>
P_{n1}	[kW]	额定输入功率 / <i>Nominal input power</i>
M_{n2}	[Nm]	额定输出扭矩参照 P_{n1} / <i>Nominal output torque referred to P_{n1}</i>
sf		服务系数 / <i>Service factor</i>
R_1	[N]	输入端可用径向负荷 / <i>Permitted input radial load</i>
A_1	[N]	输入端可用轴向负荷 / <i>Permitted input axial load</i>
R_2	[N]	输出端可用径向负荷 / <i>Permitted output radial load</i>
A_2	[N]	输出端可用轴向负荷 / <i>Permitted output axial load</i>

润滑油

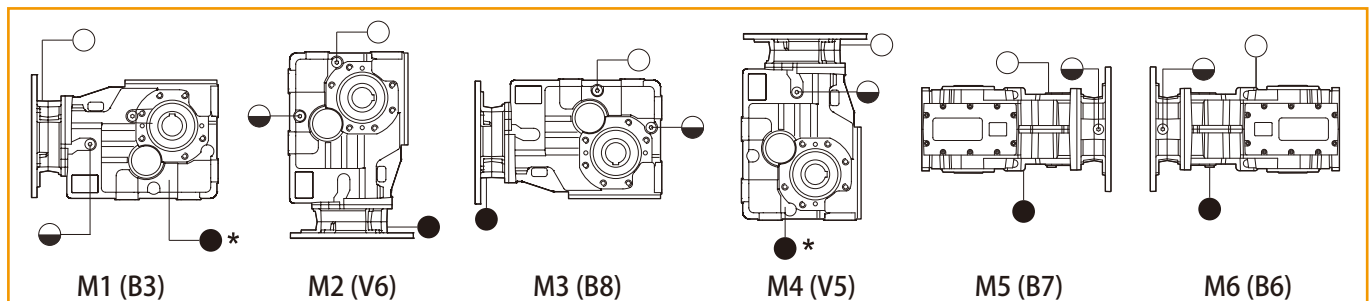
Lubrication

ITB系列减速电机全部采用矿物油，安装位置确定加油量。

ITB series gearmotors come complete with mineral oil. The lubricant quantity depends on assembly position.



ITB	加油量(升) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
423	2.1	3.1	3.0	3.9	3.2	2.3
433	4.3	5.1	4.9	7.2	5.3	4.0
443	6.5	8.9	9.0	12.2	8.8	6.7



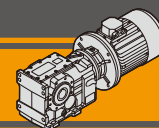
* 放油盖在产品背面

* Oil draining plug in backside position.

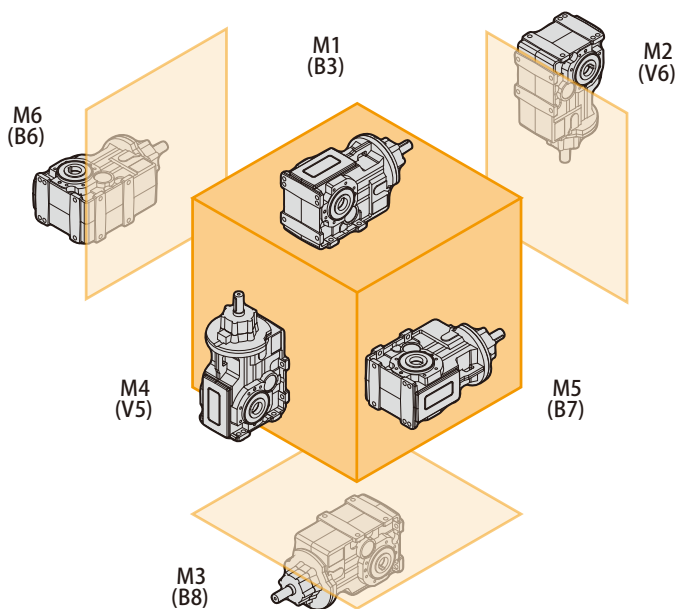
○ 透气及加油油塞 / *Breather and filling plug*

● 油镜 / *Oil level plug*

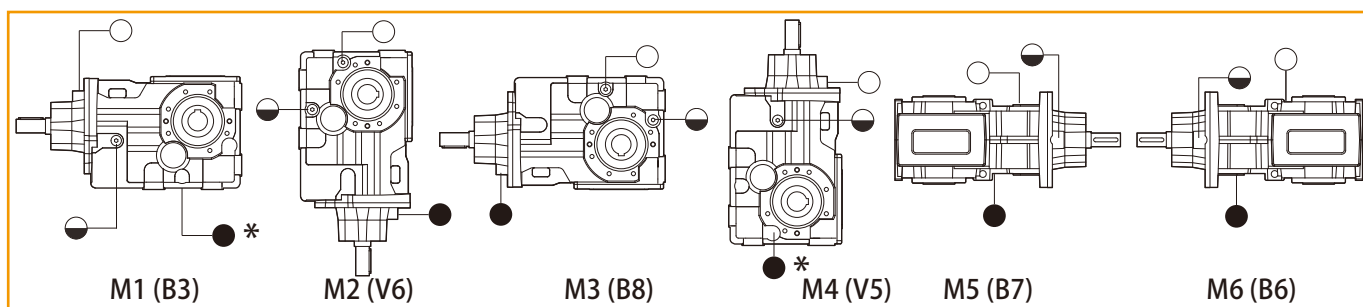
● 放油塞 / *Oil drain plug*



ITBIS..



ITBIS	加油量(升) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
423	2.3	3.5	3.2	3.9	3.4	2.5
433	4.5	5.5	5.1	7.2	5.5	4.2
443	6.9	9.6	9.4	12.2	9.2	7.1



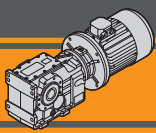
* 放油盖在产品背面

*Oil draing plug in backside position.

○ 透气及加油油塞 / Breather and filling plug

◐ 油镜 / Oil level plug

● 放油塞 / Oil drain plug



输入径向负荷

Input radial loads

ITB423 ITB433	n ₁ [min ⁻¹]	电机功率 / Motor Power [kW]			
		2.2	3.0	4.0	5.5
R1 [N]	1400	1800			750
	900	2100		1200	-
	500	2500	-	-	-

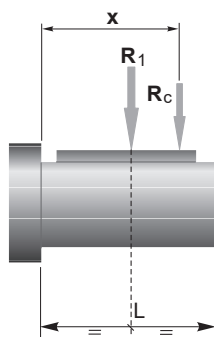
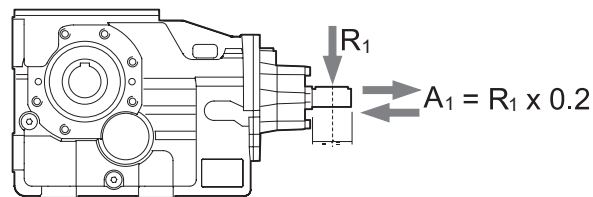
ITB443	n ₁ [min ⁻¹]	电机功率 / Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R1 [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

下列技术参数表格显示了最大可用径向力。

当径向负载作用点不在输入轴的中间位置时，必须用以下公式来计算有效负荷。

The radial loads maximum input applicable are indicated in the previous tables.

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



	ITB 423	ITB 433	ITB 443
a	139		157
b	110		118

$$R_c = \frac{R_1 \cdot a}{(b+x)} \leq R_1$$

$$R \leq R_c$$

a, b = 图表中给出的值
a, b = values given in the table

输出径向负荷

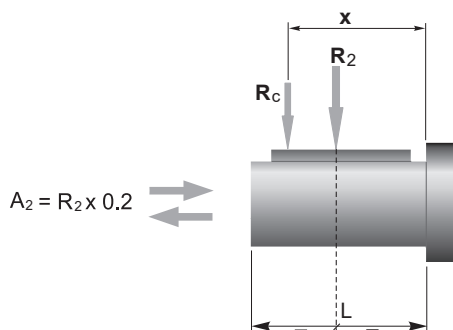
Output radial loads

下列技术参数表格显示了最大可用径向力。

当径向负载作用点不在输出轴的中间位置时，必须用以下公式来计算有效负荷。

The radial loads maximum output applicable are indicated in the technical data table.

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

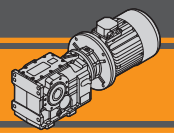


	ITB 423	ITB 433	ITB 443
a	182	218	252
b	142	168	192
R _{2MAX}	18500	23000	31000

$$R_c = \frac{R_2 \cdot a}{(b+x)} \leq R_{2MAX}$$

$$R \leq R_c$$

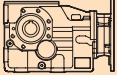
a, b = 图表中给出的值
a, b = values given in the table



技术参数


n_1 1400 min⁻¹


Technical data

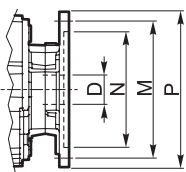
	n_2	Mn_2	Pn_1	i	R_2		IEC 电机适配法兰 IEC Motor adapters				
	[min ⁻¹]	[Nm]	[kW]				80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14
ITBIS 423						ITB 423					
	191	500	10.62	7.34	9609						
	153	500	8.51	9.16	10851						
	118	600	7.90	11.85	12122						
	90	600	5.98	15.64	14119						
	76	700	5.96	18.32	14920						
	70	700	5.43	20.12	15708						
	61	800	5.46	22.85	16301						
	50	800	4.42	28.22	18306					*	
	47	850	4.48	29.57	18500					*	
	45	850	4.29	30.90	18500					*	
	41	850	3.83	34.57	18500					*	
	37	850	3.49	37.99	18500			*		*	
	36	900	3.60	39.01	18500			*		*	
	34	900	3.37	41.70	18500			*		*	
	29	900	2.86	49.13	18500			*			
	28	900	2.80	50.19	18500			*		*	
	26	900	2.61	53.77	18500			*			
	24	900	2.37	59.26	18500			*			
	20	900	1.99	70.40	18500			*		*	
	18	950	1.92	77.08	18500			*		*	
	16	950	1.72	86.24	18500			*		*	
	15	950	1.56	94.77	18500			*		*	
	14	950	1.42	104.04	18500			*		*	
	11	950	1.21	122.57	18500			*			
	10	950	1.10	134.15	18500			*			
	9.5	950	1.00	147.84	18500			*			

备注：
阴影部分表明该型号有相适应的电机输入。

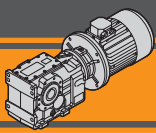
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。
减速电机选型前请参考C10至C15的技术参数表格。

 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.
Before selecting any gearbox, please read the performance values shown in the tables on page C10 to C15.



IEC 尺寸参数 / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	

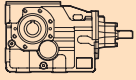
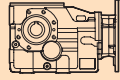


ITB 伞齿轮减速电机 Helical bevel gearmotors

技术参数


n_1 1400 min⁻¹


Technical data

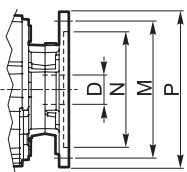
	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]		IEC 电机适配法兰 IEC Motor adapters										
ITBIS 433						ITB 433											
						80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14	160B5						
	171	1000	18.99	8.21	12339												
	137	1000	15.22	10.25	13935												
	106	1300	15.30	13.25	15144												
	80	1400	12.48	17.49	17285												
	69	1600	12.21	20.44	18060												
	62	1700	11.78	22.50	18635												
	55	1700	10.40	25.49	19960												*
	44	1700	8.40	31.56	22448												*
	43	1700	8.04	32.98	23000												*
	41	1700	7.67	34.55	23000												
	36	1700	6.86	38.66	23000												
	33	1700	6.24	42.48	23000												
	32	1800	6.45	43.51	23000												*
	30	1800	6.02	46.64	23000												
	25	1800	5.01	55.98	23000					*							*
	23	1600	4.15	60.14	23000												
	21	1600	3.77	66.27	23000				*								
	18	1800	3.58	78.52	23000				*	*							*
	16	1800	3.27	85.97	23000				*	*							
	15	1800	2.92	96.19	23000				*	*							
	13	1800	2.66	105.70	23000				*	*							
	12	1800	2.42	116.04	23000				*	*							
	10	1800	2.05	136.71	23000				*	*							
	9.4	1800	1.88	149.63	23000				*	*							
	8.5	1800	1.70	164.89	23000				*	*							

备注：
阴影部分表明该型号有相适配的电机输入。

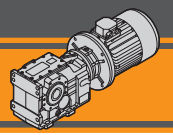
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。
减速电机选型前请参考C10至C15的技术参数表格。

 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.
Before selecting any gearbox, please read the performance values shown in the tables on page C10 to C15.



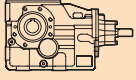
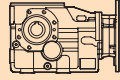
IEC 尺寸参数 / IEC Dimensions								
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5
N	130	130	95	180	110	230	130	250
M	165	165	115	215	130	265	165	300
P	200	200	140	250	160	300	200	350
D	19	24		28		38		42



技术参数


n_1 1400 min⁻¹


Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	R_2 [N]		IEC 电机适配法兰 IEC Motor adapters					
ITBIS 443						ITB 443						
						80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14	160B5	180B5
	178	1700	33.65	7.88	17306							
	147	1700	27.81	9.53	19220							
	119	1800	23.89	11.75	21325							
	99	2000	22.07	14.13	23076							
	81	2300	20.82	17.23	24849							
	61	2800	18.86	23.16	27511							
	56	3000	18.85	24.82	27861							
	47	3000	15.58	30.03	31000							*
	38	3000	12.64	37.01	31000							*
	36	2800	11.06	39.46	31000							*
	32	3200	11.21	44.51	31000							*
	29	2800	9.16	47.67	31000							
	26	3200	9.20	54.26	31000						*	*
	19	3500	7.48	72.94	31000						*	*
	15	3500	5.92	92.14	31000						*	*
	11	3500	4.39	124.32	31000					*	*	*
	10	3500	4.03	135.45	31000					*		
	9.3	3500	3.64	150.15	31000					*	*	
	8.5	3500	3.33	163.80	31000					*	*	
	7.8	3500	3.05	179.16	31000					*	*	

备注：
阴影部分表明该型号有相适配的电机输入。

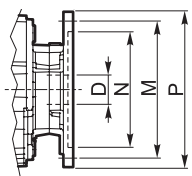
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。

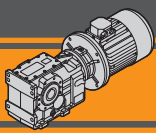
 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

减速电机选型前请参考C10至C15的技术参数表格。

Before selecting any gearbox, please read the performance values shown in the tables on page C10 to C15.



IEC 尺寸参数 / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48





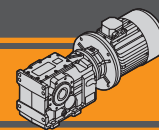
ITB 伞齿轮减速电机

Helical bevel gearmotors

技术参数

Technical data

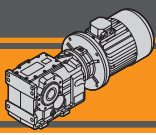
P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i		R_2 [N]				
0.55							0.75										
80A4 (1400 min ⁻¹)	191	26	19	7.34	ITB423	B5	11001	80B4 (1400 min ⁻¹)	191	35	14	7.34	ITB423	B5	10973		
	153	32	15	9.16		B5	12403		153	44	11	9.16		B5	12364		
	118	42	14	11.85		B5	14255		118	57	11	11.85		B5	14197		
	90	55	11	15.64		B5	16545		90	75	8.0	15.64		B5	16455		
	76	65	11	18.32		B5	18005		76	88	7.9	18.32		B5	17891		
	70	71	9.9	20.12		B5	18500		70	97	7.2	20.12		B5	18500		
	61	81	9.9	22.85		B5	18500		61	110	7.3	22.85		B5	18500		
	50	100	8.0	28.22		B5	18500		50	136	5.9	28.22		B5	18500		
	47	104	8.2	29.57		B5	18500		47	142	6.0	29.57		B5	18500		
	45	109	7.8	30.90		B5	18500		45	149	5.7	30.90		B5	18500		
	40	122	7.0	34.57		B5	18500		40	166	5.1	34.57		B5	18500		
	37	134	6.3	37.99		B5	18500		37	183	4.7	37.99		B5	18500		
	36	138	6.5	39.01		B5	18500		36	188	4.8	39.01		B5	18500		
	34	147	6.1	41.70		B5	18500		34	201	4.5	41.70		B5	18500		
	29	173	5.2	49.13		B5	18500		29	236	3.8	49.13		B5	18500		
	28	177	5.1	50.19		B5	18500		28	241	3.7	50.19		B5	18500		
	26	190	4.7	53.77		B5	18500		26	259	3.5	53.77		B5	18500		
	24	209	4.3	59.26		B5	18500		24	285	3.2	59.26		B5	18500		
	20	248	3.6	70.40		B5	18500		20	339	2.7	70.40		B5	18500		
	18	272	3.5	77.08		B5	18500		18	371	2.6	77.08		B5	18500		
	16	304	3.1	86.24		B5	18500		16	415	2.3	86.24		B5	18500		
	15	334	2.8	94.77		B5	18500		15	456	2.1	94.77		B5	18500		
	13	367	2.6	104.04		B5	18500		13	500	1.9	104.04		B5	18500		
	11	432	2.2	122.57		B5	18500		11	589	1.6	122.57		B5	18500		
	10	473	2.0	134.15		B5	18500		10	645	1.5	134.15		B5	18500		
	9.5	521	1.8	147.84		B5	18500		9.5	711	1.3	147.84		B5	18500		
	25	197	9.1	55.98		ITB433	B5	23000		41	166	10		34.55	ITB433	B5	23000
	23	212	7.5	60.14			B5	23000		36	186	9.1		38.66		B5	23000
	21	234	6.8	66.27	B5		23000		33	204	8.3	42.48	B5	23000			
	18	277	6.5	78.52	B5		23000		32	209	8.6	43.51	B5	23000			
	16	303	5.9	85.97	B5		23000		30	224	8.0	46.64	B5	23000			
	15	339	5.3	96.19	B5		23000		25	269	6.7	55.98	B5	23000			
	13	373	4.8	105.70	B5		23000		23	289	5.5	60.14	B5	23000			
	12	409	4.4	116.04	B5		23000		21	319	5.0	66.27	B5	23000			
	10	482	3.7	136.71	B5		23000		18	378	4.8	78.52	B5	23000			
	9.4	528	3.4	149.63	B5		23000		16	413	4.4	85.97	B5	23000			
	8.5	582	3.1	164.89	B5		23000		15	463	3.9	96.19	B5	23000			
	11	438	8.0	124.32	ITB443		B5	31000		13	508	3.5	105.70	B5		23000	
	10	478	7.3	135.45		B5	31000		12	558	3.2	116.04	B5	23000			
	9.3	530	6.6	150.15		B5	31000		10	657	2.7	136.71	B5	23000			
	8.5	578	6.1	163.80		B5	31000		9.4	720	2.5	149.63	B5	23000			
	7.8	632	5.5	179.16		B5	31000		8.5	793	2.3	164.89	B5	23000			
									19	351	10	72.94	ITB443	B5	31000		
									15	443	7.9	92.14		B5	31000		
									11	598	5.9	124.32		B5	31000		
								10	651	5.4	135.45	B5		31000			
								9.3	722	4.8	150.15	B5		31000			
								8.5	788	4.4	163.80	B5		31000			
								7.8	862	4.1	179.16	B5	31000				



技术参数

Technical data





P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]				
1.1								1.5											
90S4 (1400 min ⁻¹)	191	52	9.7	7.34	ITB423	B5/B14	10925	90L4 (1400 min ⁻¹)	191	71	7.1	7.34	ITB423	B5/B14	10870				
	153	65	7.7	9.16		B5/B14	12295		153	88	5.7	9.16		B5/B14	12218				
	118	84	7.2	11.85		B5/B14	14095		118	114	5.3	11.85		B5/B14	13979				
	90	110	5.4	15.64		B5/B14	16299		90	150	4.0	15.64		B5/B14	16120				
	76	129	5.4	18.32		B5/B14	17692		76	176	4.0	18.32		B5/B14	17463				
	70	142	4.9	20.12		B5/B14	18500		70	194	3.6	20.12		B5/B14	18298				
	61	161	5.0	22.85		B5/B14	18500		61	220	3.6	22.85		B5/B14	18500				
	50	199	4.0	28.22		B5/B14	18500		50	271	2.9	28.22		B5/B14	18500				
	47	209	4.1	29.57		B5/B14	18500		47	284	3.0	29.57		B5/B14	18500				
	45	218	3.9	30.90		B5/B14	18500		45	297	2.9	30.90		B5/B14	18500				
	40	244	3.5	34.57		B5/B14	18500		40	332	2.6	34.57		B5/B14	18500				
	37	268	3.2	37.99		B5/B14	18500		37	365	2.3	37.99		B5/B14	18500				
	36	275	3.3	39.01		B5/B14	18500		36	375	2.4	39.01		B5/B14	18500				
	34	294	3.1	41.70		B5/B14	18500		34	401	2.2	41.70		B5/B14	18500				
	29	347	2.6	49.13		B5/B14	18500		29	473	1.9	49.13		B5/B14	18500				
	28	354	2.5	50.19		B5/B14	18500		28	483	1.9	50.19		B5/B14	18500				
	26	379	2.4	53.77		B5/B14	18500		26	517	1.7	53.77		B5/B14	18500				
	24	418	2.2	59.26		B5/B14	18500		24	570	1.6	59.26		B5/B14	18500				
	20	497	1.8	70.40		B5/B14	18500		20	677	1.3	70.40		B5/B14	18500				
	18	544	1.7	77.08		B5/B14	18500		18	741	1.3	77.08		B5/B14	18500				
	16	608	1.6	86.24		B5/B14	18500		16	829	1.1	86.24		B5/B14	18500				
	15	668	1.4	94.77		B5/B14	18500		15	912	1.0	94.77		B5/B14	18500				
	13	734	1.3	104.04		B5/B14	18500		13	1001	0.9	104.04		B5/B14	18500				
	11	865	1.1	122.57		B5/B14	18500		106	127	10	13.25		ITB433	B5/B14	18711			
	10	946	1.0	134.15		B5/B14	18500		80	168	8.3	17.49			B5/B14	21650			
	9.5	1043	0.9	147.84		B5/B14	18500		69	197	8.1	20.44			B5/B14	23000			
	55	180	9.5	25.49		ITB433	B5/B14	23000	62	216	7.9	22.50			B5/B14	23000			
	44	223	7.6	31.56			B5/B14	23000		55	245	6.9			25.49	B5/B14	23000		
	42	233	7.3	32.98			B5/B14	23000		44	304	5.6			31.56	B5/B14	23000		
	41	244	7.0	34.55			B5/B14	23000		42	317	5.4			32.98	B5/B14	23000		
	36	273	6.2	38.66			B5/B14	23000		41	332	5.1			34.55	B5/B14	23000		
	33	300	5.7	42.48			B5/B14	23000		36	372	4.6			38.66	B5/B14	23000		
	32	307	5.9	43.51			B5/B14	23000		33	409	4.2			42.48	B5/B14	23000		
	30	329	5.5	46.64			B5/B14	23000		32	419	4.3			43.51	B5/B14	23000		
	25	395	4.6	55.98			B5/B14	23000		30	449	4.0			46.64	B5/B14	23000		
	23	424	3.8	60.14			B5/B14	23000		25	538	3.3			55.98	B5/B14	23000		
	21	467	3.4	66.27			B5/B14	23000		23	578	2.8			60.14	B5/B14	23000		
	18	554	3.3	78.52			B5/B14	23000		21	637	2.5			66.27	B5/B14	23000		
	16	606	3.0	85.97			B5/B14	23000		18	755	2.4			78.52	B5/B14	23000		
	15	678	2.7	96.19			B5/B14	23000		16	827	2.2			85.97	B5/B14	23000		
	13	746	2.4	105.70			B5/B14	23000		15	925	1.9			96.19	B5/B14	23000		
	12	818	2.2	116.04			B5/B14	23000		13	1017	1.8			105.70	B5/B14	23000		
	10	964	1.9	136.71			B5/B14	23000		12	1116	1.6			116.04	B5/B14	23000		
	9.4	1055	1.7	149.63			B5/B14	23000		10	1315	1.4			136.71	B5/B14	23000		
	8.5	1163	1.5	164.89			B5/B14	23000		9.4	1439	1.3			149.63	B5/B14	23000		
	35	278	10	39.46			ITB443	B5/B14	31000	8.5	1586	1.1			164.89	ITB443	B5/B14	31000	
	31	314	10	44.51				B5/B14	31000		38	356			8.4		37.01	B5/B14	31000
	29	336	8.3	47.67				B5/B14	31000		35	380			7.4		39.46	B5/B14	31000
	26	383	8.4	54.26				B5/B14	31000		31	428			7.5		44.51	B5/B14	31000
	19	515	6.8	72.94	B5/B14			31000		29	458	6.1	47.67	B5/B14	31000				
	15	650	5.4	92.14	B5/B14			31000		26	522	6.1	54.26	B5/B14	31000				
	11	877	4.0	124.32	B5/B14			31000		19	702	5.0	72.94	B5/B14	31000				
	10	955	3.7	135.45	B5/B14	31000			15	886	3.9	92.14	B5/B14	31000					
	9.3	1059	3.3	150.15	B5/B14	31000			11	1196	2.9	124.32	B5/B14	31000					
	8.5	1155	3.0	163.80	B5/B14	31000			10	1303	2.7	135.45	B5/B14	31000					
	7.8	1264	2.8	179.16	B5/B14	31000			9.3	1444	2.4	150.15	B5/B14	31000					
								8.5	1576	2.2	163.80	B5/B14	31000						
								7.8	1723	2.0	179.16	B5/B14	31000						

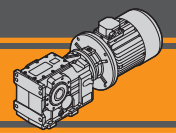


ITB 伞齿轮减速电机 Helical bevel gearmotors

技术参数





Technical data

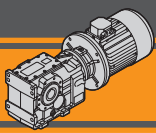
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ [N]	
1.85								2.2								
90LB4 (1400 min ⁻¹)	191	87	5.7	7.34	ITB423	B5/B14	10821	100LA4 (1400 min ⁻¹)	191	104	4.8	7.34	ITB423	B5/B14	10773	
	153	109	4.6	9.16		B5/B14	12149		153	129	3.9	9.16		B5/B14	12081	
	118	141	4.3	11.85		B5/B14	13877		118	167	3.6	11.85		B5/B14	13776	
	90	186	3.2	15.64		B5/B14	15964		90	221	2.7	15.64		B5/B14	15808	
	76	217	3.2	18.32		B5/B14	17264		76	258	2.7	18.32		B5/B14	17064	
	70	239	2.9	20.12		B5/B14	18067		70	284	2.5	20.12		B5/B14	17836	
	61	271	3.0	22.85		B5/B14	18500		61	322	2.5	22.85		B5/B14	18500	
	50	335	2.4	28.22		B5/B14	18500		50	398	2.0	28.22		B5/B14	18500	
	47	351	2.4	29.57		B5/B14	18500		47	417	2.0	29.57		B5/B14	18500	
	45	367	2.3	30.90		B5/B14	18500		45	436	2.0	30.90		B5/B14	18500	
	40	410	2.1	34.57		B5/B14	18500		40	488	1.7	34.57		B5/B14	18500	
	37	451	1.9	37.99		B5/B14	18500		37	536	1.6	37.99		B5/B14	18500	
	36	463	1.9	39.01		B5/B14	18500		36	550	1.6	39.01		B5/B14	18500	
	34	495	1.8	41.70		B5/B14	18500		34	588	1.5	41.70		B5/B14	18500	
	29	583	1.5	49.13		B5/B14	18500		29	693	1.3	49.13		B5/B14	18500	
	28	595	1.5	50.19		B5/B14	18500		28	708	1.3	50.19		B5/B14	18500	
	26	638	1.4	53.77		B5/B14	18500		26	759	1.2	53.77		B5/B14	18500	
	24	703	1.3	59.26		B5/B14	18500		24	836	1.1	59.26		B5/B14	18500	
	20	835	1.1	70.40		B5/B14	18500									
	18	914	1.0	77.08		B5/B14	18500		170	116	8.6	8.21		ITB433	B5/B14	14406
	16	1023	0.9	86.24		B5/B14	18500		137	145	6.9	10.25			B5/B14	16193
						ITB433	B5/B14	14449	106	187	7.0	13.25			B5/B14	18530
	170	97	10	8.21	B5/B14		16254		80	247	5.7	17.49	B5/B14		21372	
	137	122	8.2	10.25	B5/B14		18620		69	288	5.6	20.44	B5/B14		23000	
	106	157	8.3	13.25	B5/B14		21511		62	317	5.4	22.50	B5/B14		23000	
	80	207	6.7	17.49	B5/B14		23000		55	360	4.7	25.49	B5/B14		23000	
	69	242	6.6	20.44	B5/B14		23000		44	445	3.8	31.56	B5/B14		23000	
	62	267	6.4	22.50	B5/B14		23000		42	465	3.7	32.98	B5/B14		23000	
	55	302	5.6	25.49	B5/B14		23000		41	487	3.5	34.55	B5/B14		23000	
	44	374	4.5	31.56	B5/B14		23000		36	545	3.1	38.66	B5/B14		23000	
	42	391	4.3	32.98	B5/B14		23000		33	599	2.8	42.48	B5/B14		23000	
	41	410	4.1	34.55	B5/B14		23000		32	614	2.9	43.51	B5/B14	23000		
	36	459	3.7	38.66	B5/B14		23000		30	658	2.7	46.64	B5/B14	23000		
	33	504	3.4	42.48	B5/B14	23000		25	790	2.3	55.98	B5/B14	23000			
	32	516	3.5	43.51	B5/B14	23000		23	848	1.9	60.14	B5/B14	23000			
	30	553	3.3	46.64	B5/B14	23000		21	935	1.7	66.27	B5/B14	23000			
	25	664	2.7	55.98	B5/B14	23000		18	1108	1.6	78.52	B5/B14	23000			
	23	713	2.2	60.14	B5/B14	23000		16	1213	1.5	85.97	B5/B14	23000			
	21	786	2.0	66.27	B5/B14	23000		15	1357	1.3	96.19	B5/B14	23000			
	18	931	1.9	78.52	B5/B14	23000		13	1491	1.2	105.70	B5/B14	23000			
	16	1020	1.8	85.97	B5/B14	23000		12	1637	1.1	116.04	B5/B14	23000			
	15	1141	1.6	96.19	B5/B14	23000						ITB443	B5/B14	31000		
	13	1254	1.4	105.70	B5/B14	23000		38	522	5.7	37.01		B5/B14	31000		
	12	1376	1.3	116.04	B5/B14	23000		35	557	5.0	39.46		B5/B14	31000		
	10	1622	1.1	136.71	B5/B14	23000		31	628	5.1	44.51		B5/B14	31000		
	9.4	1775	1.0	149.63	B5/B14	23000		29	672	4.2	47.67		B5/B14	31000		
					ITB443	B5/B14	31000	26	765	4.2	54.26		B5/B14	31000		
	38	439	6.8	37.01		B5/B14	31000		19	1029	3.4		72.94	B5/B14	31000	
	35	468	6.0	39.46		B5/B14	31000		15	1300	2.7		92.14	B5/B14	31000	
	31	528	6.1	44.51		B5/B14	31000		11	1754	2.0		124.32	B5/B14	31000	
	29	565	5.0	47.67		B5/B14	31000		10	1911	1.8		135.45	B5/B14	31000	
	26	644	5.0	54.26		B5/B14	31000		9.3	2118	1.7		150.15	B5/B14	31000	
	19	865	4.0	72.94		B5/B14	31000		8.5	2311	1.5		163.80	B5/B14	31000	
	15	1093	3.2	92.14		B5/B14	31000		7.8	2527	1.4	179.16	B5/B14	31000		
	11	1475	2.4	124.32		B5/B14	31000									
	10	1607	2.2	135.45		B5/B14	31000									
	9.3	1781	2.0	150.15		B5/B14	31000									
	8.5	1943	1.8	163.80		B5/B14	31000									
	7.8	2125	1.6	179.16	B5/B14	31000										



技术参数

Technical data





P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	
3								4								
100LB4 (1400 min ⁻¹)	191	141	3.5	7.34	ITB423	B5/B14	10662	112M4 (1400 min ⁻¹)	191	188	2.7	7.34	ITB423	B5/B14	10524	
	153	176	2.8	9.16		B5/B14	11925		153	235	2.1	9.16		B5/B14	11730	
	118	228	2.6	11.85		B5/B14	13543		118	304	2.0	11.85		B5/B14	13253	
	90	301	2.0	15.64		B5/B14	15451		90	401	1.5	15.64		B5/B14	15005	
	76	352	2.0	18.32		B5/B14	16608		76	470	1.5	18.32		B5/B14	16037	
	70	387	1.8	20.12		B5/B14	17308		70	516	1.4	20.12		B5/B14	16649	
	61	440	1.8	22.85		B5/B14	18277		61	586	1.4	22.85		B5/B14	17474	
	50	543	1.5	28.22		B5/B14	18500		50	724	1.1	28.22		B5/B14	18500	
	47	569	1.5	29.57		B5/B14	18500		47	758	1.1	29.57		B5/B14	18500	
	45	594	1.4	30.90		B5/B14	18500		45	792	1.1	30.90		B5/B14	18500	
	40	665	1.3	34.57		B5/B14	18500		40	887	1.0	34.57		B5/B14	18500	
	37	731	1.2	37.99		B5/B14	18500							ITB433	B5/B14	14184
	36	750	1.2	39.01		B5/B14	18500		170	211	4.7	8.21			B5/B14	15881
	34	802	1.1	41.70		B5/B14	18500		137	263	3.8	10.25			B5/B14	18064
	29	945	1.0	49.13		B5/B14	18500		106	340	3.8	13.25			B5/B14	20656
	170	158	6.3	8.21	ITB433	B5/B14	14307		80	449	3.1	17.49	B5/B14		22213	
	137	197	5.1	10.25		B5/B14	16054		69	524	3.1	20.44	B5/B14		23000	
	106	255	5.1	13.25		B5/B14	18323		62	577	2.9	22.50	B5/B14		23000	
	80	336	4.2	17.49		B5/B14	21054		55	654	2.6	25.49	B5/B14		23000	
	69	393	4.1	20.44		B5/B14	22719		44	809	2.1	31.56	B5/B14		23000	
	62	433	3.9	22.50		B5/B14	23000		42	846	2.0	32.98	B5/B14		23000	
	55	490	3.5	25.49		B5/B14	23000		41	886	1.9	34.55	B5/B14	23000		
	44	607	2.8	31.56		B5/B14	23000		36	992	1.7	38.66	B5/B14	23000		
	42	634	2.7	32.98		B5/B14	23000		33	1090	1.6	42.48	B5/B14	23000		
	41	665	2.6	34.55		B5/B14	23000		32	1116	1.6	43.51	B5/B14	23000		
	36	744	2.3	38.66	B5/B14	23000		30	1196	1.5	46.64	B5/B14	23000			
	33	817	2.1	42.48	B5/B14	23000		25	1436	1.3	55.98	B5/B14	23000			
	32	837	2.2	43.51	B5/B14	23000		23	1542	1.0	60.14	B5/B14	23000			
	30	897	2.0	46.64	B5/B14	23000						ITB443	B5/B14	31000		
	25	1077	1.7	55.98	B5/B14	23000		38	949	3.2	37.01		B5/B14	31000		
	23	1157	1.4	60.14	B5/B14	23000		35	1012	2.8	39.46		B5/B14	31000		
	21	1275	1.3	66.27	B5/B14	23000		31	1142	2.8	44.51		B5/B14	31000		
	18	1510	1.2	78.52	B5/B14	23000		29	1223	2.3	47.67		B5/B14	31000		
	16	1654	1.1	85.97	B5/B14	23000		26	1392	2.3	54.26		B5/B14	31000		
	15	1850	1.0	96.19	B5/B14	23000		19	1871	1.9	72.94		B5/B14	31000		
	38	712	4.2	37.01	ITB443	B5/B14	31000		15	2363	1.5		92.14	B5/B14	31000	
	35	759	3.7	39.46		B5/B14	31000		11	3189	1.1		124.32	B5/B14	31000	
	31	856	3.7	44.51		B5/B14	31000		10	3474	1.0		135.45	B5/B14	31000	
	29	917	3.1	47.67		B5/B14	31000									
	26	1044	3.1	54.26		B5/B14	31000									
	19	1403	2.5	72.94		B5/B14	31000									
	15	1772	2.0	92.14		B5/B14	31000									
	11	2391	1.5	124.32		B5/B14	31000									
	10	2606	1.3	135.45		B5/B14	31000									
	9.3	2888	1.2	150.15		B5/B14	31000									
	8.5	3151	1.1	163.80	B5/B14	31000										
	7.8	3446	1.0	179.16	B5/B14	31000										

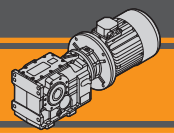


ITB 伞齿轮减速电机 Helical bevel gearmotors

技术参数



Technical data



P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	
5.5								7.5								
132S4 (1400 min ⁻¹)	191	259	1.9	7.34	ITB423	B5/B14	10316	132MA4 (1400 min ⁻¹)	191	353	1.4	7.34	ITB423	B5/B14	10040	
	153	323	1.5	9.16		B5/B14	11438		153	441	1.1	9.16		B5/B14	11049	
	118	418	1.4	11.85		B5/B14	12817		118	570	1.1	11.85		B5/B14	12236	
	90	552	1.1	15.64		B5/B14	14335		ITB433	170	395	2.5		8.21	B5/B14	13753
	76	646	1.1	18.32		B5/B14	15181			137	493	2.0		10.25	B5/B14	15274
	70	710	1.0	20.12		B5/B14	15659			106	637	2.0		13.25	B5/B14	17159
	61	806	1.0	22.85		B5/B14	16268			80	841	1.7		17.49	B5/B14	19266
	170	290	3.5	8.21		ITB433	B5/B14			13999	69	983		1.6	20.44	B5/B14
	137	361	2.8	10.25	B5/B14		15621			62	1082	1.6	22.50	B5/B14	21150	
	106	467	2.8	13.25	B5/B14		17676			55	1226	1.4	25.49	B5/B14	22027	
	80	617	2.3	17.49	B5/B14		20060			44	1518	1.1	31.56	B5/B14	23000	
	69	721	2.2	20.44	B5/B14		21454		42	1586	1.1	32.98	B5/B14	23000		
	62	794	2.1	22.50	B5/B14		22325		41	1662	1.0	34.55	B5/B14	23000		
	55	899	1.9	25.49	B5/B14		23000		ITB443	178	379	4.5	7.88	B5/B14	19836	
	44	1113	1.5	31.56	B5/B14		23000			147	458	3.7	9.53	B5/B14	21860	
	42	1163	1.5	32.98	B5/B14	23000	119			565	3.2	11.75	B5/B14	24271		
	41	1219	1.4	34.55	B5/B14	23000	99			680	2.9	14.13	B5/B14	26562		
	36	1363	1.2	38.66	B5/B14	23000	81			828	2.8	17.23	B5/B14	29182		
	33	1498	1.1	42.48	B5/B14	23000	60			1114	2.5	23.16	B5/B14	31000		
	32	1535	1.2	43.51	B5/B14	23000	56			1194	2.5	24.82	B5/B14	31000		
	30	1645	1.1	46.64	B5/B14	23000	47			1444	2.1	30.03	B5/B14	31000		
	178	278	6.1	7.88	ITB443	B5/B14	20029		38	1780	1.7	37.01	B5/B14	31000		
	147	336	5.1	9.53		B5/B14	22120		35	1898	1.5	39.46	B5/B14	31000		
	119	414	4.3	11.75		B5/B14	24631		31	2141	1.5	44.51	B5/B14	31000		
	99	498	4.0	14.13		B5/B14	27041		29	2292	1.2	47.67	B5/B14	31000		
	81	607	3.8	17.23		B5/B14	29833		26	2609	1.2	54.26	B5/B14	31000		
	60	817	3.4	23.16		B5/B14	31000		19	3508	1.0	72.94	B5/B14	31000		
	56	875	3.4	24.82		B5/B14	31000		9.2							
	47	1059	2.8	30.03		B5/B14	31000		132L4 (1400 min ⁻¹)	191	433	1.2	7.34	ITB423	B5/B14	9805
	38	1305	2.3	37.01	B5/B14	31000	170		485	2.1	8.21	ITB433	B5/B14	13544		
	35	1392	2.0	39.46	B5/B14	31000	137		604	1.7	10.25		B5/B14	14979		
	31	1570	2.0	44.51	B5/B14	31000	106		782	1.7	13.25		B5/B14	16720		
29	1681	1.7	47.67	B5/B14	31000	80	1032	1.4	17.49	B5/B14	18590					
26	1914	1.7	54.26	B5/B14	31000	69	1206	1.3	20.44	B5/B14	19582					
19	2573	1.4	72.94	B5/B14	31000	62	1327	1.3	22.50	B5/B14	20152					
15	3249	1.1	92.14	B5/B14	31000	55	1504	1.1	25.49	B5/B14	20815					
178	465	3.7	7.88	ITB443	B5/B14	19671	178	465	3.7	7.88	B5/B14		19671			
147	562	3.0	9.53		B5/B14	21639	147	562	3.0	9.53	B5/B14	21639				
119	693	2.6	11.75		B5/B14	23966	119	693	2.6	11.75	B5/B14	23966				
99	834	2.4	14.13		B5/B14	26156	99	834	2.4	14.13	B5/B14	26156				
81	1016	2.3	17.23		B5/B14	28629	81	1016	2.3	17.23	B5/B14	28629				
60	1366	2.0	23.16		B5/B14	31000	60	1366	2.0	23.16	B5/B14	31000				
56	1464	2.0	24.82		B5/B14	31000	56	1464	2.0	24.82	B5/B14	31000				
47	1772	1.7	30.03		B5/B14	31000	47	1772	1.7	30.03	B5/B14	31000				
38	2183	1.4	37.01	B5/B14	31000	38	2183	1.4	37.01	B5/B14	31000					
35	2328	1.2	39.46	B5/B14	31000	35	2328	1.2	39.46	B5/B14	31000					
31	2626	1.2	44.51	B5/B14	31000	31	2626	1.2	44.51	B5/B14	31000					
29	2812	1.0	47.67	B5/B14	31000	29	2812	1.0	47.67	B5/B14	31000					
26	3201	1.0	54.26	B5/B14	31000	26	3201	1.0	54.26	B5/B14	31000					







技术参数

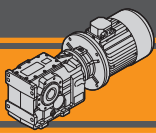
Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]		
11									
160M4 (1400 min ⁻¹)	170	579	1.7	8.21	ITB433	B5	13322		
	137	723	1.4	10.25			B5	14667	
	106	935	1.4	13.25			B5	16254	
	80	1234	1.1	17.49			B5	17875	
	69	1441	1.1	20.44			B5	18672	
	62	1587	1.1	22.50			B5	19095	
		178	556	3.1	7.88	ITB443	B5	19497	
		147	672	2.5	9.53			B5	21405
		119	829	2.2	11.75			B5	23642
		99	997	2.0	14.13			B5	25725
		81	1215	1.9	17.23			B5	28044
		60	1633	1.7	23.16			B5	31000
		56	1751	1.7	24.82			B5	31000
		47	2118	1.4	30.03			B5	31000
		38	2611	1.1	37.01			B5	31000
		35	2784	1.0	39.46			B5	31000
31	3140	1.0	44.51	B5	31000				

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	
18.5								
180M4 (1400 min ⁻¹)	178	935	1.8	7.88	ITB443	B5	18772	
	147	1131	1.5	9.53			B5	20430
	119	1394	1.3	11.75			B5	22294
	99	1676	1.2	14.13			B5	23931
	81	2043	1.1	17.23			B5	25605
	60	2747	1.0	23.16			B5	27695
	56	2944	1.0	24.82			B5	28062

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	
22								
180L4 (1400 min ⁻¹)	178	1111	1.5	7.88	ITB443	B5	18433	
	147	1345	1.3	9.53			B5	19975
	119	1658	1.1	11.75			B5	21665
	99	1993	1.0	14.13			B5	23093
	81	2430	0.9	17.23			B5	24467

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			R_2 [N]	
15								
160L4 (1400 min ⁻¹)	170	790	1.3	8.21	ITB433	B5	12830	
	137	985	1.0	10.25			B5	13973
	106	1275	1.0	13.25			B5	15220
	178	758	2.2	7.88	ITB443	B5	19110	
	147	917	1.9	9.53			B5	20885
	119	1130	1.6	11.75			B5	22923
	99	1359	1.5	14.13			B5	24768
	81	1657	1.4	17.23			B5	26743
	60	2227	1.3	23.16			B5	29496
	56	2387	1.3	24.82			B5	30067
	47	2888	1.0	30.03			B5	31000

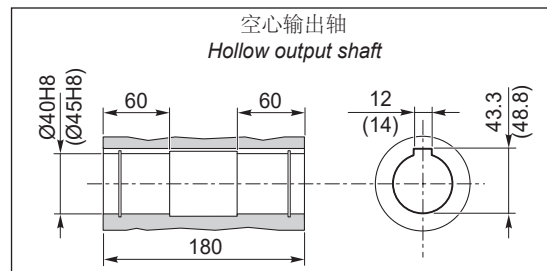
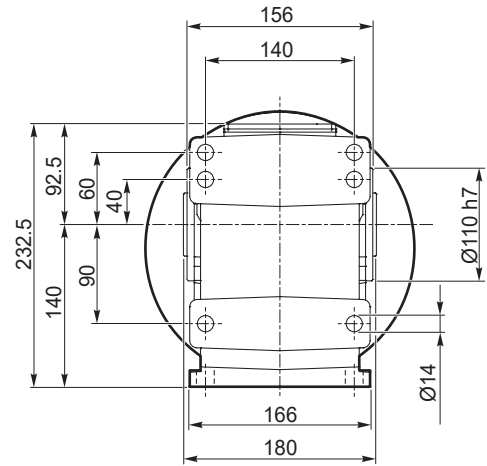
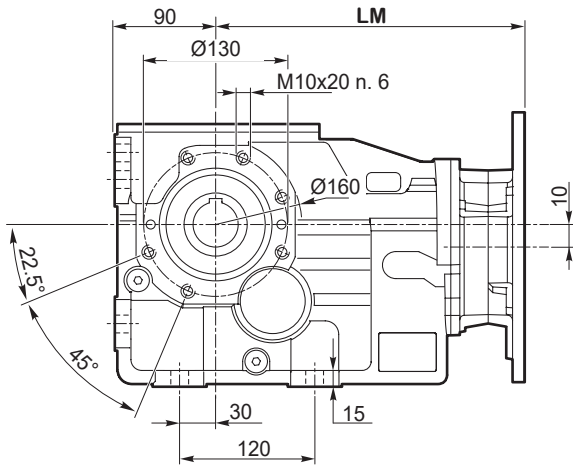


尺寸参数

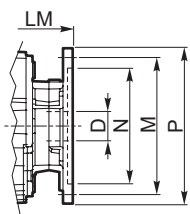
Dimensions

ITB 423 U

ITB 423 U



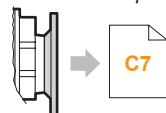
空心输出轴
Hollow output shaft



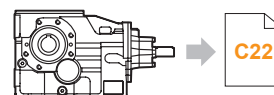
IEC 尺寸参数 / IEC Dimensions

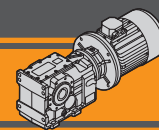
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	279.5	279.5	284	283.5	284	304.5	
N	130	130	95	180	110	230	130
M	165	165	115	215	130	265	165
P	200	200	140	250	160	300	200
D	19	24		28		38	

IEC 电机适配法兰
IEC Motor adapters



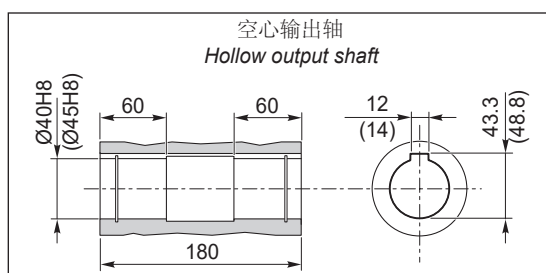
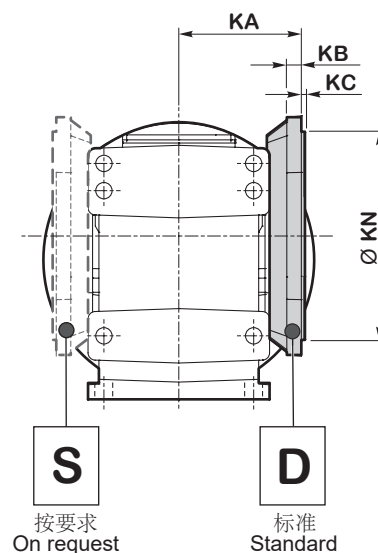
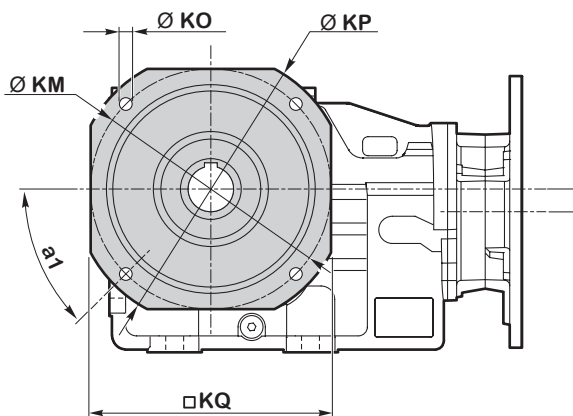
ITBIS 423..





ITB 423 F...

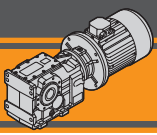
ITB 423 F...



输出法兰 F / F Version											
ITB	a ₁	KA	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	重量 / Weight
										类型 / Type	[kg]
423	45°	113	13	4	165	130	11	200	172	F200	2.6
	45°	113	13	4	215	180	14	250	215	F250	3.8
	45°	113	13	4	265	230	14	300	265	F300	5.6

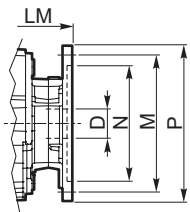
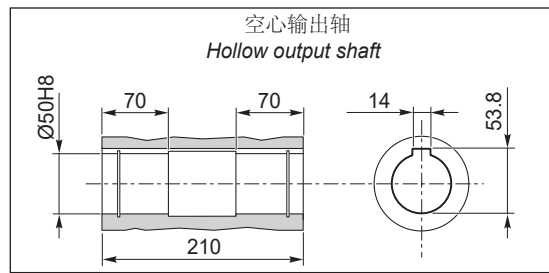
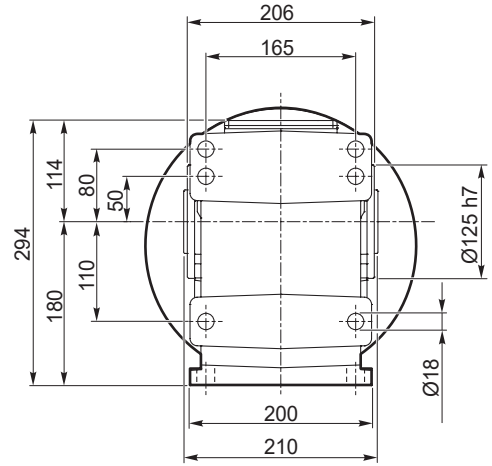
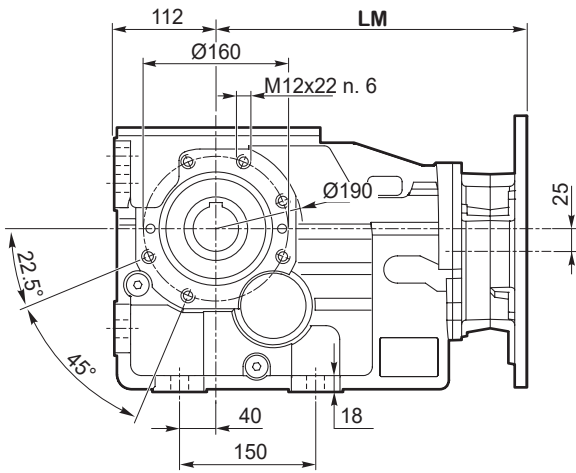
重量 / Weight [kg]							
ITB	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
423 U	39	39	38	41	38	44	41

注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



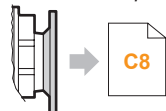
ITB 433 U

ITB 433 U

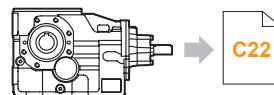


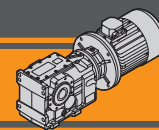
IEC 尺寸参数 / IEC Dimensions								
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5
LM	330	330	334.5	334	334.5	355		405
N	130	130	95	180	110	230	130	250
M	165	165	115	215	130	265	165	300
P	200	200	140	250	160	300	200	350
D	19	24		28		38		42

IEC 电机适配法兰
IEC Motor adapters



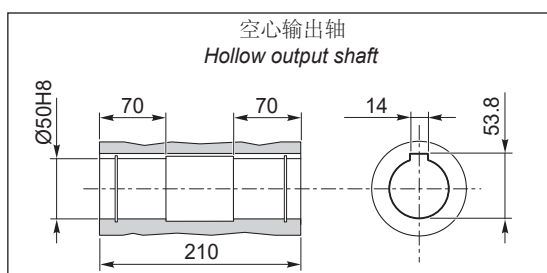
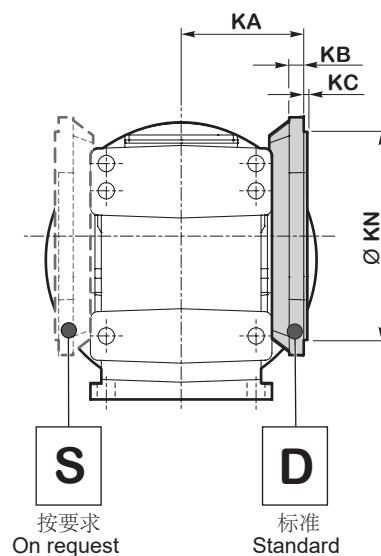
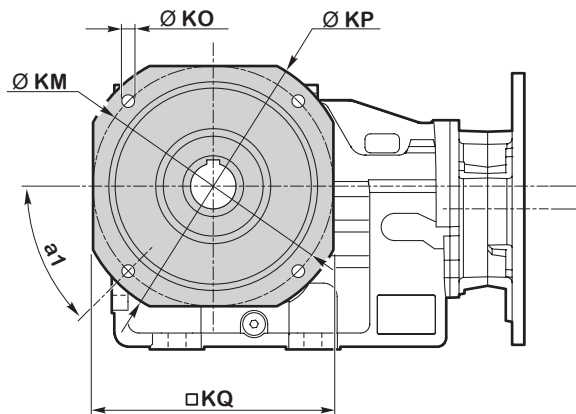
ITBIS 433..





ITB 433 F...

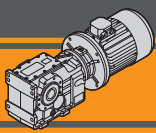
ITB 433 F...



输出法兰 F / F Version											
ITB	a ₁	KA	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	重量 / Weight
										类型 / Type	[kg]
433	45°	135	16	4	215	180	14	250	215	F250	4.8
	45°	135	16	4	265	230	14	300	260	F300	7.1
	45°	135	16	4	300	250	18	350	300	F350	9.1

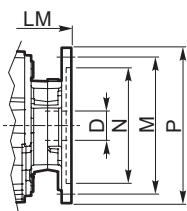
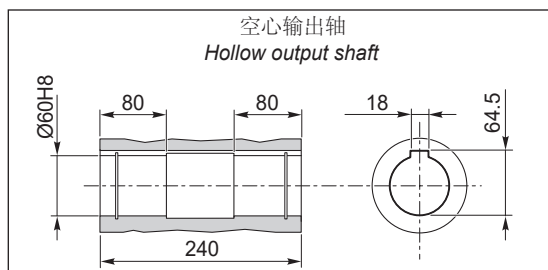
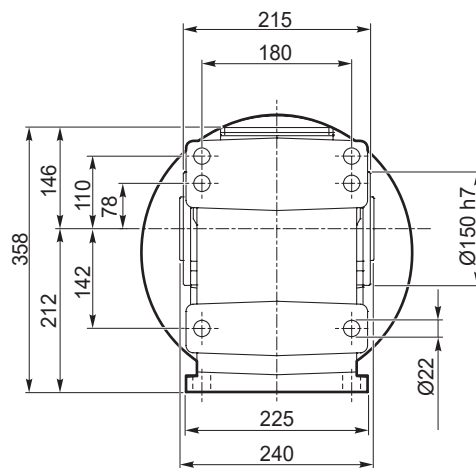
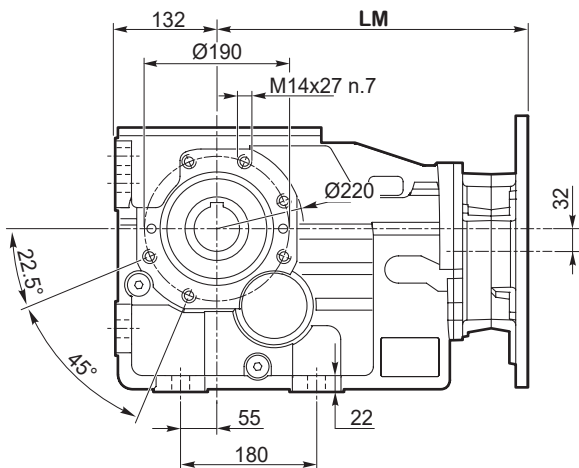
重量 / Weight [kg]									
ITB	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	
433 U	65	65	64	67	64	70	67	78	

注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



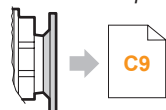
ITB 443 U

ITB 443 U

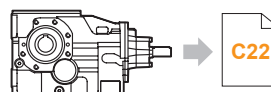


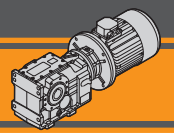
IEC 尺寸参数 / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
LM	375.5	375.5	380	379.5	383	400.5		450.5	450.5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48

IEC 电机适配法兰
IEC Motor adapters



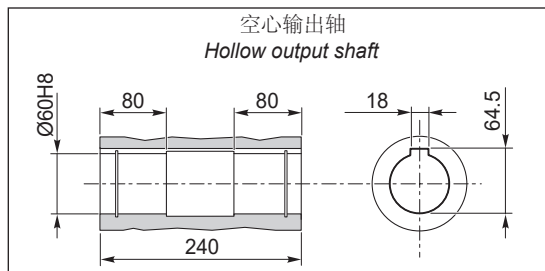
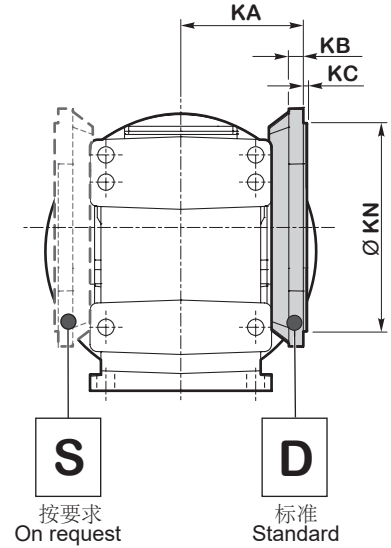
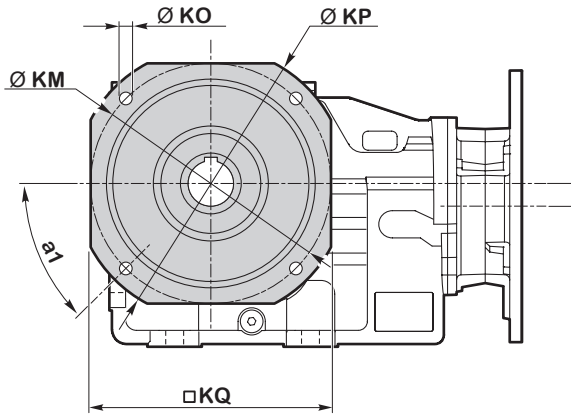
ITBIS 443..





ITB 443 F...

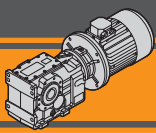
ITB 443 F...



输出法兰 F / F Version											
ITB	a ₁	KA	KB	KC	KM	KN f7	KO	KP	KQ	法兰 / Flange	重量 / Weight
										类型 / Type	[kg]
443	45°	150	18	4	265	230	14	300	265	F300	7.4
	45°	150	18	5	300	250	18	350	300	F350	10.2
	45°	150	18	5	400	350	18	450	400	F450	16.9

重量 / Weight [kg]										
ITB	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	
443 U	108	108	107	109	107	113	111	124	124	

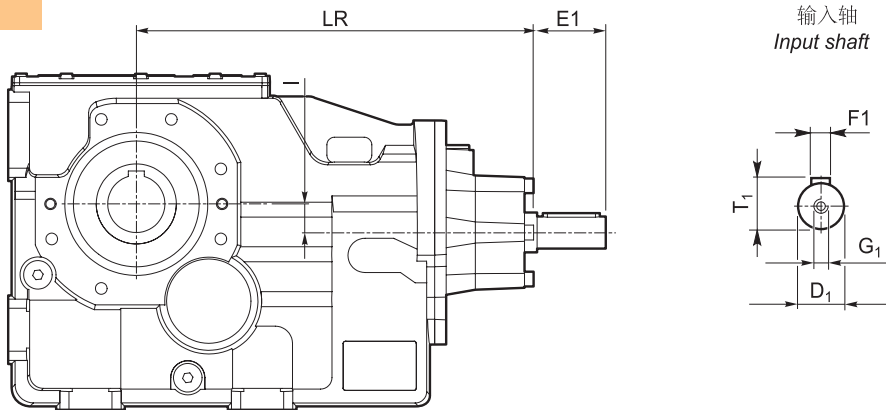
注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



尺寸参数

Dimensions

ITBIS..



ITBIS	减速机型式 Version	LR	D1	E1	I	T1	F1	G1
423	U F	312	28	60	10	31	8	M10
433		362.5	28	60	25	31	8	M10
443		425.5	38	80	32	41	10	M12

ITBIS	重量 / Weight [kg]
423 U	40
433 U	60
443 U	114

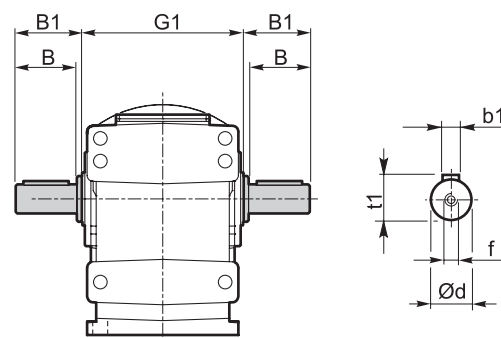
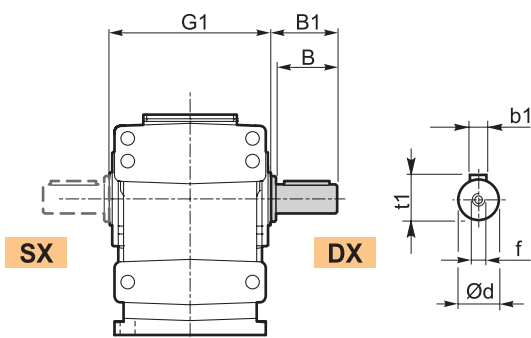
附件

Accessories

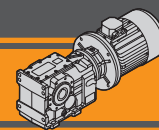
输出轴 / Output shaft

ITB.. SZ..
ITBIS..SZ..

ITB... DZ
ITBIS..DZ

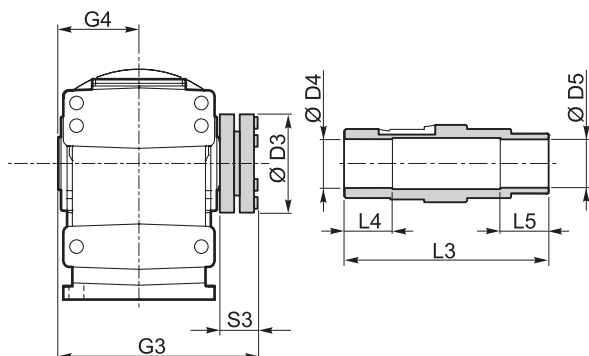


ITB	d h7	B	B1	G1	f	b1	t1	重量 / Weight [kg]	
								SZ	DZ
423	40	80	84	180	M16	12	43	2.2	3.2
433	50	100	105	210	M16	14	53.5	4.3	6.2
443	60	120	125	240	M20	18	64	7.1	10.3



配锁紧盘输出轴 / Output shaft with shrink disk

ITB...G..
ITBIS..G..



ITB		D3	D4 H8	D5 H8	G3	L3	L4	L5	S3	G4
423	G40	100	41	40	217.5	215	45	45	34.5	90
	G45	100	46	45	217.5	215	45	45	34.5	90
433	G50	110	51	50	247.5	245	50	50	34.5	105
443	G60	138	61	60	280.5	279	60	60	37.5	120

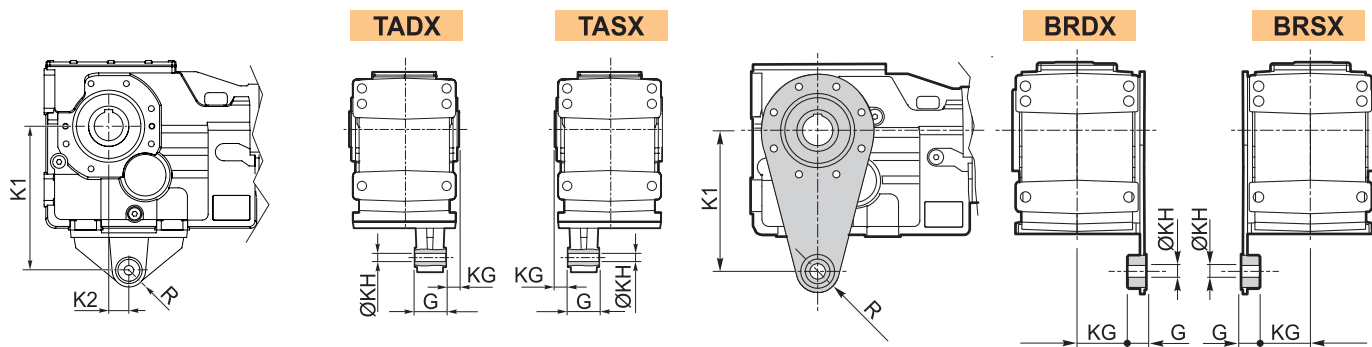
配锁紧盘的输出轴组件可根据需求选择：
装配指导请联系我司技术部门。

Output shaft kit with shrink disk available on request:
for assembly instructions please contact our Technical Service

扭力臂组件

Torque arm kit

ITB..
ITBIS..

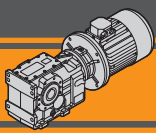


扭力臂 / Torque arm

ITB ITBIS	K1	K2	KG	KH	G	R	重量 / Weight [kg]
423	200	30	25	16.5	60	29	2.9
433	250	35	25	16.5	60	29	4.4
443	300	35	30	25	80	40	8.1

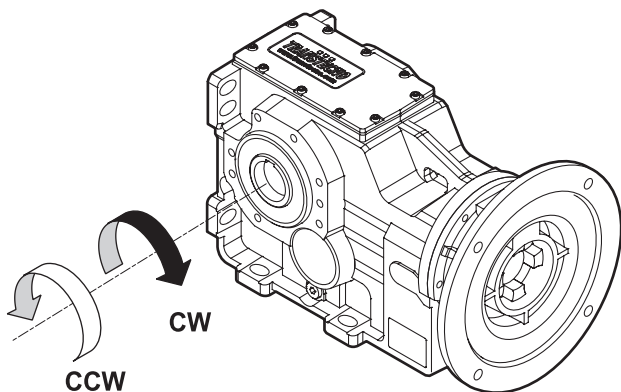
扭力臂 / Torque arm

ITB ITBIS	K1	KG	KH	G	R	重量 / Weight [kg]
423	200	68.5	20	25	30	1.6
433	250	83	25	30	35	2.7



逆止装置 / Backstop device

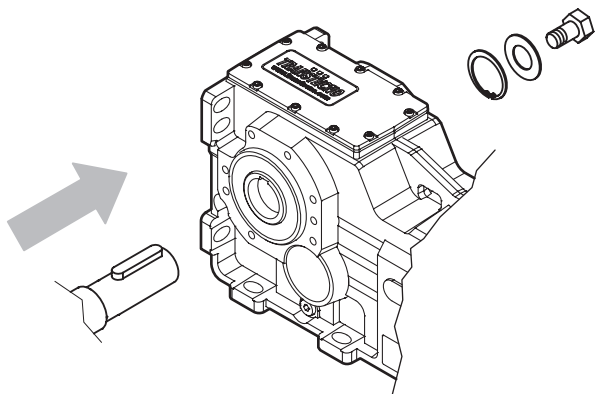
ITB...CW
ITB...CCW



逆止装置只允许有一个输出旋转方向。
使用之前，请指定输出轴旋转方向，如图所示。

The backstop device allows the output shaft to rotate in just one direction. Before using it, please specify output shaft rotation direction as shown in the figure.

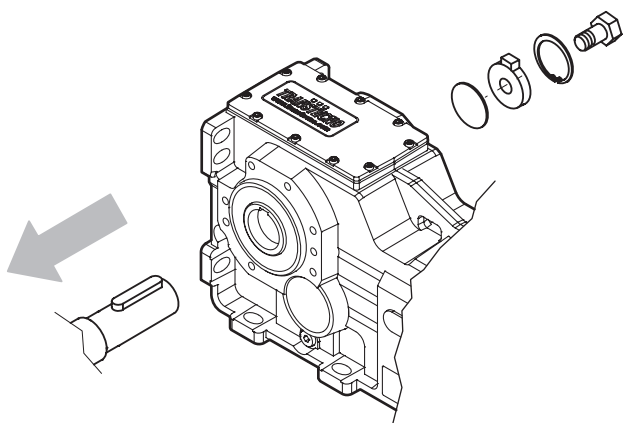
输出轴安装组件 / Output shaft assembly kit



输出轴安装组件可供选择：
安装指导请联系我司技术部门。
螺栓组件不提供。

*Output shaft assembly kit available upon request:
for assembly instructions please contact our Technical Assistance
Screws not provided*

输出轴拆装组件 / Output shaft disassembly kit



输出轴拆装组件可供选择：
安装指导请联系我司技术部门。
螺栓组件不提供。

*Output shaft disassembly kit available upon request:
for assembly instructions please contact our Technical Assistance
Screws not provided*

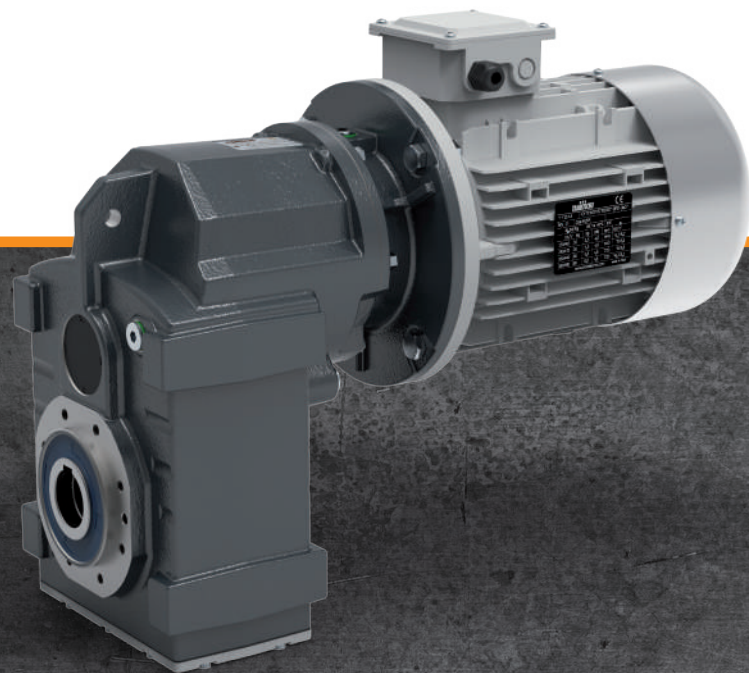
TRANSTECNO[®]
the modular gearmotor

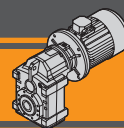
ITS

ITS



平行轴式减速电机
Helical parallel gearmotors



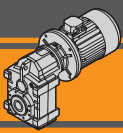


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附件	<i>Accessories</i>	D25

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ITS 平行轴式减速电机 Helical parallel gearmotors

技术特征

ITS系列减速电机适用于重负载行业，铁壳箱体和模块化的输入输出组件增强了其应用稳定性。

ITS系列的主要特征：

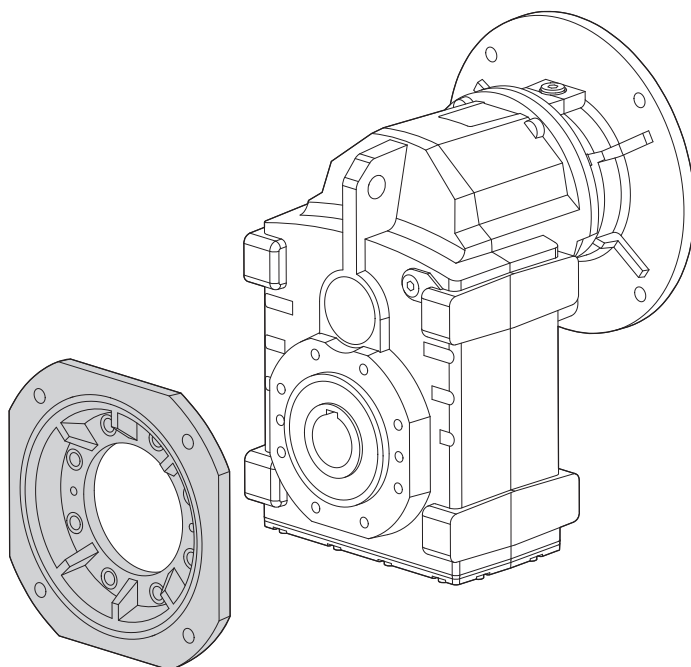
- 高强度的铸铁箱体；
- 高度模块化；
- 矿物油；
- 空心输入轴连接电机；
- 表面喷塑，RAL7016平均厚度0.10-0.15mm。

Technical features

The ITS gearmotors are intended for heavy duty applications. The robust one pieces casing of the main housing and the modular design of input and output sets increase application flexibility.

The main features of ITS range are:

- Robust cast iron housings
- High degree of modularity
- Lubrication with mineral oil
- Coupled to motor with input coupling;
- Epoxy powder coating RAL 7016 average thickness 0,10 – 0,15 mm.



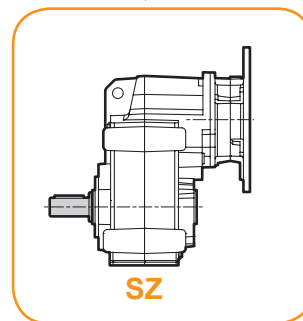
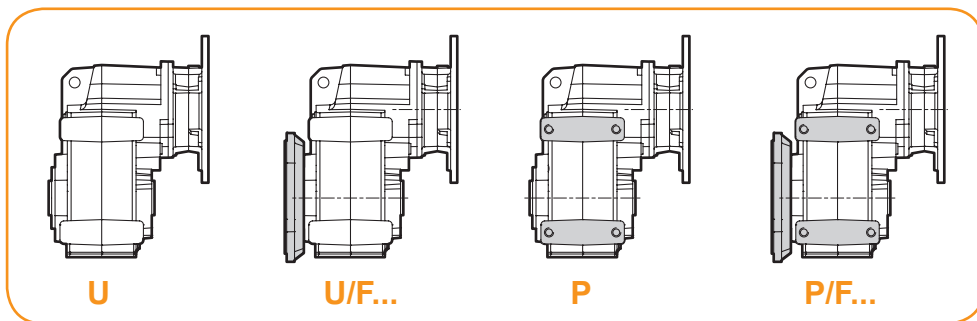
类型

Versions

ITS...

减速机类型
Gearbox Version

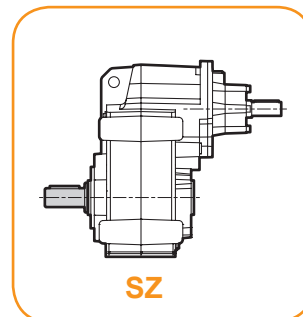
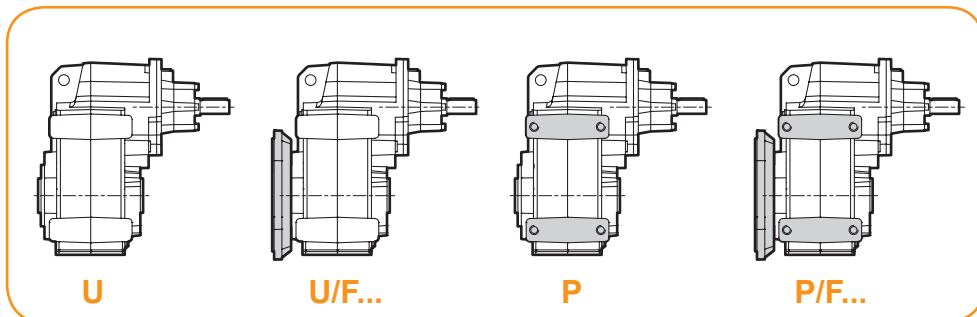
输出轴
Output shaft

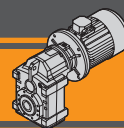


ITSIS...

减速机类型
Gearbox Version

输出轴
Output shaft





选型

Classification

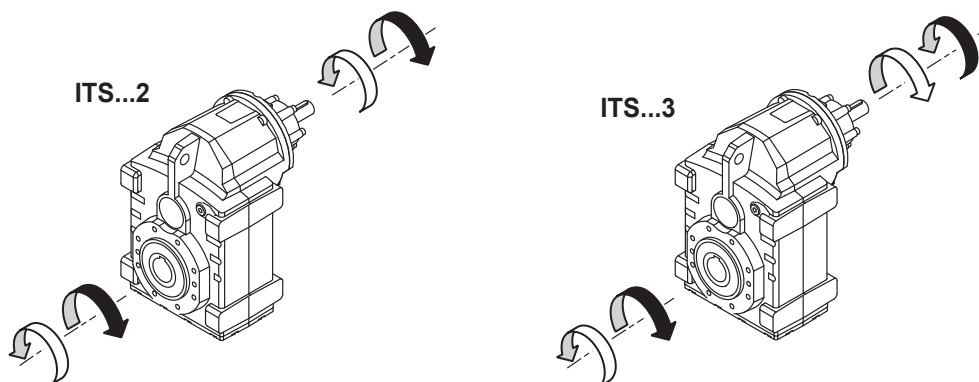
减速机 / GEARBOX										
ITS	92	2	U	22.92	D40	132	B5	SZ	M1	CW
型号 Type	规格 Size	级数 Stages	减速机型式 Version	速比 Ratio	输出轴 Output shaft	IEC 	法兰型号 Version	实心输出轴 Solid outout shaft	安装位置 Mounting position	逆止装置 Backstop device
	92 93 94	2 3	U... U/F... P... P/F...	见表格 see tables	D... 标准 G... 锁紧盘 shrink disc	80.. — 180..	B5 B14	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)	CW CCW

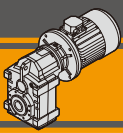
减速机 / GEARBOX							
ITSIS	92	2	U	22.92	D40	SZ	M1
型号 Type	规格 Size	级数 Stages	减速机型式 Version	速比 Ratio	输出轴 Output shaft	实心输出轴 Solid outout shaft	安装位置 Mounting position
	92 93 94	2 3	U... U/F... P... P/F...	见表格 see tables	D... 标准 G... 锁紧盘 shrink disc	SZ	M1 (B3) M2 (V6) M3 (B8) M4 (V5) M5 (B7) M6 (B6)

电机 / MOTOR						
5,5 kW	4p	3ph	230/400V	50Hz	T1	
功率 Power	极数 Poles	相数 Phases	电压 Voltage	频率 Frequency	接线盒位置 Terminal box pos.	
见表格 see tables	2p 4p 6p 8p	1ph 3ph	230/400V 220/380V ... 230V	50Hz 60Hz		

旋转方向

Direction of rotation





代号说明

Symbols

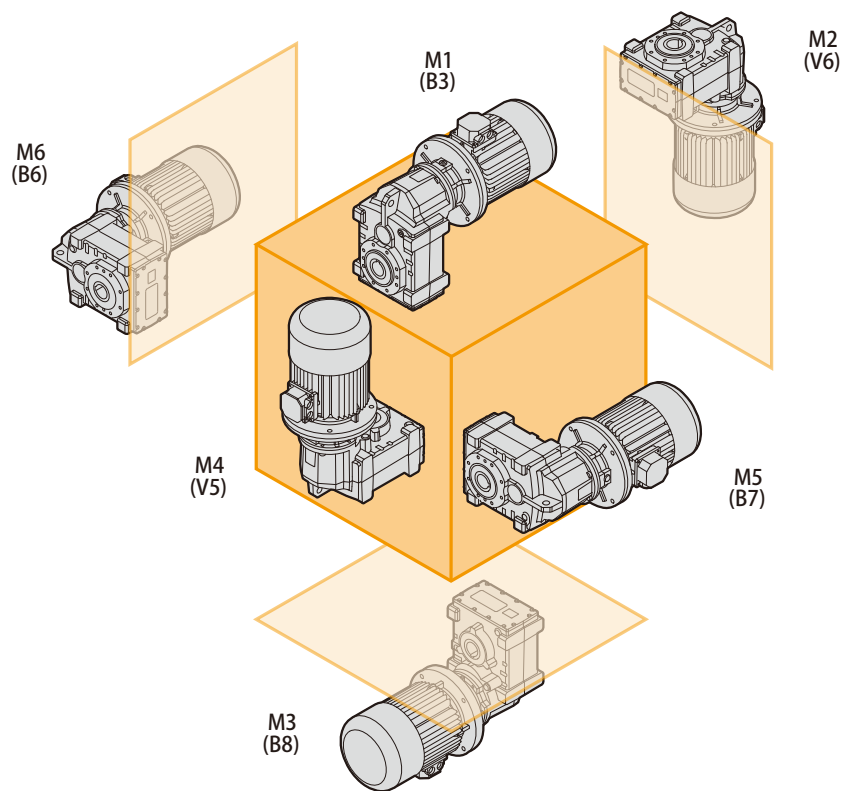
n_1	[min ⁻¹]	输入转速 / <i>Input speed</i>
n_2	[min ⁻¹]	输出转速 / <i>Output speed</i>
i		速比 / <i>Ratio</i>
P_1	[kW]	输入功率 / <i>Input power</i>
M_2	[Nm]	输出扭矩参照 P_1 / <i>Output torque referred to P_1</i>
P_{n_1}	[kW]	额定输入功率 / <i>Nominal input power</i>
M_{n_2}	[Nm]	额定输入功率参照 P_{n_1} / <i>Nominal output torque referred to P_{n_1}</i>
sf		服务系数 / <i>Service factor</i>
R_1	[N]	输入端可用径向负荷 / <i>Permitted input radial load</i>
A_1	[N]	输入端可用轴向负荷 / <i>Permitted input axial load</i>
$R_2 U$	[N]	U类型输出端可用径向负荷 / <i>Permitted output radial load for "U..." version</i>
$R_2 P$	[N]	P类型输出端可用径向负荷 / <i>Permitted output radial load for "P..." version</i>
R_2	[N]	输出端可用径向负荷 / <i>Permitted output radial load</i>
A_2	[N]	输出端可用轴向负荷 / <i>Permitted output axial load</i>

润滑油

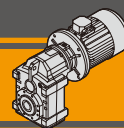
Lubrication

ITS系列减速电机全部采用矿物油，安装位置确定加油量。

ITS series gearmotors come complete with mineral oil. The lubricant quantity depends on assembly position.

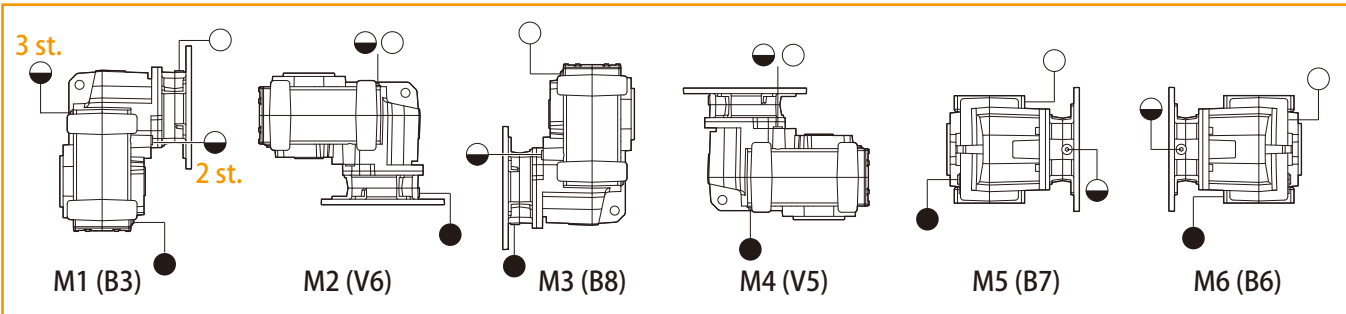


ITS	加油量 (升) / <i>Oil quantity (litres)</i>					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
922	3,4	5,2	4,2	6,1	3,7	3,6
923	4,9			5,9		
932	4,7	7,0	4,3	7,7	4,5	4,4
933	6,7			7,5		
942	9,1	14,4	9,1	15,4	9,1	8,9
943	12,0			15,1		



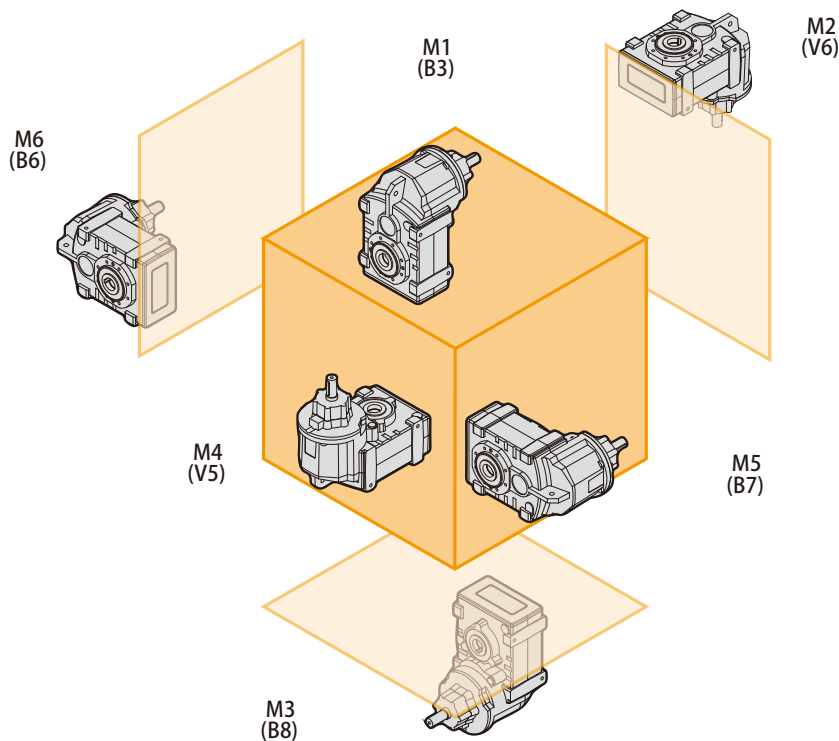
润滑油

Lubrication

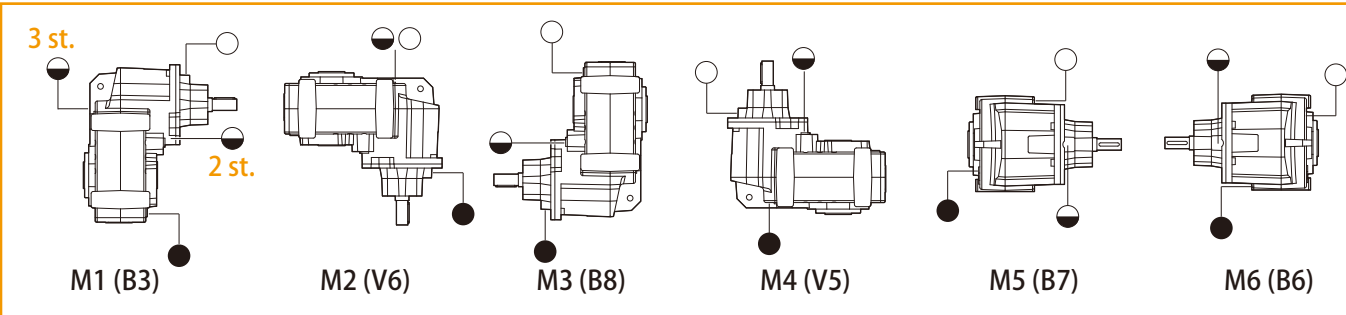


- 透气及加油油塞 / Breather and filling plug
- 油镜 / Oil level plug
- 放油塞 / Oil drain plug

ITSIS..

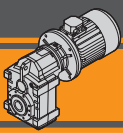


ITSIS	加油量 (升) / Oil quantity (litres)					
	M1 (B3)	M2 (V6)	M3 (B8)	M4 (V5)	M5 (B7)	M6 (B6)
922	3,6	5,6	4,4	6,1	3,9	3,8
923	5,1			5,9		
932	4,9	7,4	4,7	7,7	4,7	4,6
933	6,9			7,5		
942	9,3	15,1	9,8	15,4	9,5	9,3
943	12,2	14,8	9,5	15,1	9,3	9,1



- 透气及加油油塞 / Breather and filling plug
- 油镜 / Oil level plug
- 放油塞 / Oil drain plug





输入径向负荷

Input Radial loads

ITS 922 ITS 923 -932 ITS 933 - 943	n_1 [min ⁻¹]	电机功率 / Motor Power [kW]			
		2.2	3.0	4.0	5.5
R_1 [N]	1400	1800			750
	900	2100		1200	-
	500	2500	-	-	-

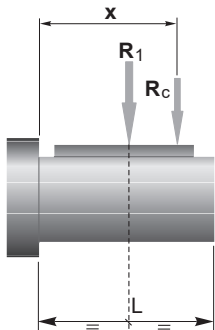
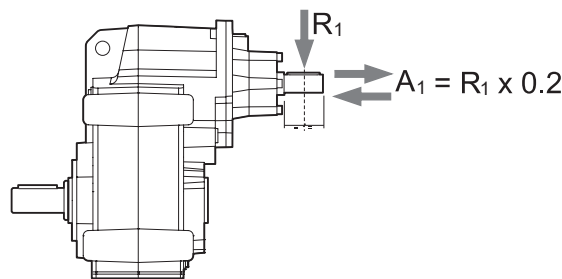
ITS 942	n_1 [min ⁻¹]	电机功率 / Motor Power [kW]					
		5.5	7.5	9.2	11.0	15.0	18.5
R_1 [N]	1400	3700				2800	1200
	900	4900			3300	650	-
	500	5250	3900	1300	-	-	-

下列技术参数表格显示了最大可用径向力。

当径向负载作用点不在输入轴的中间位置，必须用以下公式来计算有效负载：

The radial loads maximum output applicable are indicated in the previous tables.

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:

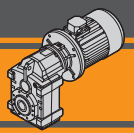


	ITS922	ITS923	ITS932	ITS933	ITS942	ITS943
a	139				157	139
b	110				118	110

$$R_c = \frac{R_1 \cdot a}{(b+x)} \leq R_1$$

$$R \leq R_c$$

a, b = 图表中给出的值
a, b = values given in the table



输出径向负荷

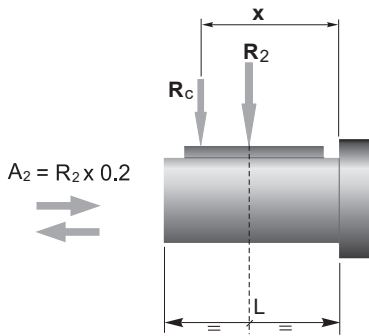
Output radial loads

下列技术参数表格显示了最大可用径向力。

The radial loads maximum output applicable are indicated in the technical data table.

当径向负载作用点不在输出轴的中间位置，必须用以下公式来计算有效负荷：

When the resulting radial load is not applied on the centre line of the shaft it is necessary to calculate the effective load with the following formula:



ITS	922 U... 923 U...	922 P... 923 P...	932 U... 933 U...	932 P... 933 P...	942 U... 943 U...	942 P... 943 P...
a	190	182	224	216	262	252
b	150	142	174	166	202	192
R_{2MAX}	9500	18000	12000	23000	15000	31000

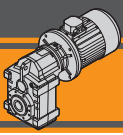
$$R_c = \frac{R_2 \cdot a}{(b + x)} \leq R_{2MAX}$$

a, b = 图表中给出的值
a, b = values given in the table

$$R \leq R_c$$

- U 型式 输出端轴承为球轴承
- P 型式 采用圆锥滚柱轴承
- U 型式时，可以根据需要配置圆锥滚柱轴承

- U version has ball bearings on the output side.
- P version uses taper roller bearings.
- It's possible to have taper roller bearings for U version upon request.





ITS 平行轴式减速电机 Helical parallel gearmotors

技术参数

n_1 1400 min⁻¹

Technical data

	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	$R_2 U$ [N]	$R_2 P$ [N]
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	IEC 电机适配法兰 IEC Motor adapters				
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ITSIS 922

248	500	13.50	5.66	2492	9368
198	500	10.82	7.06	2835	10580
167	500	9.13	8.37	3131	11619
153	650	10.87	9.13	3078	11708
134	650	9.51	10.43	3327	12602
116	650	8.24	12.04	3618	13638
104	750	8.48	13.50	3685	14122
90	750	7.39	15.50	3994	15236
79	900	7.72	17.81	4012	15753
64	900	6.32	21.73	4506	17576
61	900	6.00	22.92	4648	18095
59	900	5.78	23.80	4751	18500
53	900	5.16	26.63	5073	18500
48	900	4.70	29.26	5360	18500
44	1000	4.75	32.14	5361	18500
40	1000	4.43	35.19	5652	18500
36	1000	3.96	39.38	6035	18500
32	1000	3.60	43.27	6376	18500
30	1000	3.28	47.50	6733	18500
25	1100	3.07	55.96	6992	18500
23	1100	2.80	61.25	7371	18500
21	1100	2.54	67.50	7800	18500

ITS 922

80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14
				*
				*
				*
				*
				*
				*
				*
			*	*
			*	
			*	
			*	


ITSIS 923

19	1100	2.29	75.00	8295	18500
16	1100	1.99	86.28	9001	18500
15	1100	1.82	94.46	9500	18500
13	1100	1.58	108.48	9500	18500
12	1100	1.44	118.77	9500	18500
9.9	1100	1.22	140.93	9500	18500
9.1	1100	1.11	154.30	9500	18500
8.1	1100	1.00	172.40	9500	18500
7.4	1100	0.91	188.76	9500	18500
6.6	1100	0.81	211.15	9500	18500
5.9	1100	0.72	238.53	9500	18500
5.1	1100	0.63	272.74	9500	18500
4.8	1100	0.59	289.29	9500	18500
4.4	1100	0.54	316.73	9500	18500
4.1	1100	0.50	342.86	9500	18500
3.7	1100	0.46	375.38	9500	18500

ITS 923


71B5	80B5	90B5/B14	100B5/B14	112B5/B14
				*
			*	*
			*	*
			*	*
			*	*
			*	*
			*	*
			*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
		*	*	*
	*	*	*	*
	*	*	*	*

备注:
阴影部分表明该型号有相适配的电机输入。

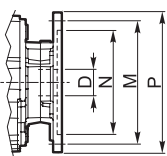
 * = 服务系数(sf)选择需根据应用情况: 请与我司技术部取得联系。

减速电机选型前请参考D11至D17的技术参数表格。

N.B.
Highlighted areas indicate motor inputs available on each size of unit.

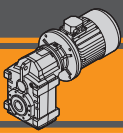
 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.

Before selecting any gearbox, please read the performance values shown in the tables on page D11 to D17.



IEC 尺寸参数 / IEC Dimensions

	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	





ITS 平行轴式减速电机 Helical parallel gearmotors

技术参数

n_1 1400 min⁻¹

Technical data


	n_2 [min ⁻¹]	Mn_2 [Nm]	Pn_1 [kW]	i	$R_2 U$ [N]	$R_2 P$ [N]	 IEC 电机适配法兰 IEC Motor adapters								
							90B5/B14	100B5/B14	112B5/B14	132B5/B14	160B5	180B5			
ITSIS 942							ITS 942								
	177	1500	28.90	7.93	4206	17268									
	146	1500	23.89	9.59	4701	19178									
	131	1700	24.34	10.67	4816	19916									
	118	1700	21.96	11.82	5113	21074									
	109	2000	23.66	12.91	5070	21422									
	99	2000	21.49	14.21	5364	22590									
	88	2400	23.04	15.91	5258	22990									
	81	2400	21.15	17.33	5527	24097									
	73	2500	19.96	19.13	5725	25158									
	60	2500	16.37	23.32	6426	28055									*
	48	2700	14.01	29.42	7022	31000									*
	45	3000	14.61	31.35	6763	31000									*
	35	3000	11.57	39.60	7751	31000									*
	32	2700	9.53	43.25	8792	31000									
	29	2700	8.60	47.95	9337	31000									
	26	3200	9.34	53.43	8754	31000									
	24	3200	8.57	58.22	9203	31000									
	22	3200	7.73	64.53	9773	31000									
	20	3000	6.65	70.40	10842	31000									
	18	3000	6.08	77.00	11424	31000									

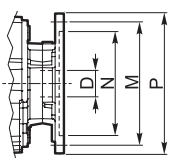
ITSIS 943							ITS 943				
	15	3200	5.31	94.05	12175	31000	80B5	90B5/B14	100B5/B14	112B5/B14	132B5/B14
	14	3200	4.99	99.94	12614	31000					*
	13	3200	4.56	109.42	13299	31000					*
	12	3200	4.12	121.00	14102	31000					*
	10	3200	3.71	134.54	15000	31000				*	*
	9.5	3200	3.38	147.69	15000	31000				*	*
	8.2	3200	2.94	169.71	15000	31000				*	*
	7.5	3200	2.69	185.82	15000	31000				*	*
	6.7	3200	2.40	207.90	15000	31000				*	*
	6.1	3200	2.18	228.46	15000	31000				*	*
	5.6	3200	1.99	250.80	15000	31000			*	*	*
	4.7	3200	1.69	295.48	15000	31000			*	*	
	4.3	3200	1.54	323.40	15000	31000			*	*	
	3.9	3200	1.40	356.40	15000	31000			*	*	

备注：
阴影部分表明该型号有相适配的电机输入。

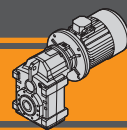
N.B.
Highlighted areas indicate motor inputs available on each size of unit.

 * = 服务系数(sf)选择需根据应用情况：请与我司技术部取得联系。
减速电机选型前请参考D11至D17的技术参数表格。

 * = The service factor (sf) has to be selected depending on application: please contact our Technical Department.
Before selecting any gearbox, please read the performance values shown in the tables on page D11 to D17.













IEC 尺寸参数 / IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48










技术参数

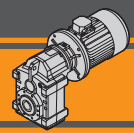
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
0 25									
71A4 (1400 min ⁻¹)	5.9	382	2.9	238.53	ITS923		9500	18500	
	5.1	437	2.5	272.74			B5	9500	18500
	4.8	464	2.4	289.29			B5	9500	18500
	4.4	508	2.2	316.73			B5	9500	18500
	4.1	550	2.0	342.86			B5	9500	18500
	3.7	602	1.8	375.38	B5	9500	18500		
	5.4	413	4.1	257.61	ITS933		12000	23000	
	4.8	472	3.6	294.56			B5	12000	23000
	4.5	501	3.4	312.43			B5	12000	23000
	4.1	548	3.1	342.07			B5	12000	23000
3.8	594	2.9	370.29	B5			12000	23000	
3.5	650	2.6	405.42	B5	12000	23000			

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
0 55									
80A4 (1400 min ⁻¹)	19	265	4.2	75.00	ITS923		9500	18500	
	16	304	3.6	86.28			B5	9500	18500
	15	333	3.3	94.46			B5	9500	18500
	13	383	2.9	108.48			B5	9500	18500
	12	419	2.6	118.77			B5	9500	18500
	9.9	497	2.2	140.93	B5	9500	18500		
	9.1	544	2.0	154.30	B5	9500	18500		
	8.1	608	1.8	172.40	B5	9500	18500		
	7.4	666	1.7	188.76	B5	9500	18500		
	6.6	745	1.5	211.15	B5	9500	18500		
5.9	841	1.3	238.53	B5	9500	18500			
5.1	962	1.1	272.74	B5	9500	18500			
4.8	1020	1.1	289.29	B5	9500	18500			
4.4	1117	1.0	316.73	B5	9500	18500			
30	165	10.0	46.73	ITS932		10992	23000		
27	181	9.1	51.30			B5	11559	23000	
23	213	7.7	60.44			B5	12000	23000	
21	233	7.1	66.15			B5	12000	23000	
19	257	5.8	72.90			B5	12000	23000	
17	286	6.0	81.00	ITS933		12000	23000		
15	329	5.2	93.18			B5	12000	23000	
14	360	4.7	102.02			B5	12000	23000	
12	413	4.1	117.16			B5	12000	23000	
11	452	3.8	128.28			B5	12000	23000	
9.2	537	3.2	152.21	B5	12000	23000			
8.4	588	2.9	166.65	B5	12000	23000			
7.5	657	2.6	186.19	B5	12000	23000			
6.9	719	2.4	203.86	B5	12000	23000			
6.1	804	2.1	228.05	B5	12000	23000			
5.4	908	1.9	257.61	B5	12000	23000			
4.8	1039	1.6	294.56	B5	12000	23000			
4.5	1102	1.5	312.43	B5	12000	23000			
4.1	1206	1.4	342.07	B5	12000	23000			
3.8	1306	1.3	370.29	B5	12000	23000			
3.5	1430	1.2	405.42	B5	12000	23000			
15	332	9.6	94.05	ITS943		15000	31000		
14	352	9.1	99.94			B5	15000	31000	
13	386	8.3	109.42			B5	15000	31000	
12	427	7.5	121.00			B5	15000	31000	
10	474	6.7	134.54			B5	15000	31000	
9.5	521	6.1	147.69			B5	15000	31000	
8.2	599	5.3	169.71			B5	15000	31000	
7.5	655	4.9	185.82			B5	15000	31000	
6.7	733	4.4	207.90			B5	15000	31000	
6.1	806	4.0	228.46			B5	15000	31000	
5.6	884	3.6	250.80	B5	15000	31000			
4.7	1042	3.1	295.48	B5	15000	31000			
4.3	1141	2.8	323.40	B5	15000	31000			
3.9	1257	2.5	356.40	B5	15000	31000			





P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
0.37									
71B4 (1400 min ⁻¹)	5.9	566	1.9	238.53	ITS923		9500	18500	
	5.1	647	1.7	272.74			B5	9500	18500
	4.8	686	1.6	289.29			B5	9500	18500
	4.4	751	1.5	316.73			B5	9500	18500
	4.1	813	1.4	342.86			B5	9500	18500
	3.7	891	1.2	375.38	B5	9500	18500		
	5.4	611	2.8	257.61	ITS933		12000	23000	
	4.8	699	2.4	294.56			B5	12000	23000
	4.5	741	2.3	312.43			B5	12000	23000
	4.1	812	2.1	342.07			B5	12000	23000
3.8	879	1.9	370.29	B5			12000	23000	
3.5	962	1.8	405.42	B5	12000	23000			

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
0.55									
80A4 (1400 min ⁻¹)	247	20	25	5.66	ITS922		3016	10554	
	198	25	20	7.06			B5	3424	11905
	167	30	17	8.37			B5	3775	13059
	153	33	20	9.13			B5	3969	13693
	134	38	17	10.43			B5	4283	14723
	116	43	15	12.04			B5	4647	15910
	104	49	15	13.50			B5	4958	16920
	90	56	13	15.50			B5	5359	18223
	79	64	14	17.81			B5	5795	18500
	64	78	11	21.73			B5	6474	18500
	61	83	11	22.92			B5	6667	18500
	59	86	11	23.80			B5	6807	18500
	53	96	9.4	26.63			B5	7240	18500
	48	105	8.5	29.26			B5	7623	18500
	44	116	8.6	32.14			B5	8021	18500
	40	124	8.1	35.19			B5	8430	18500
	36	139	7.2	39.38			B5	8951	18500
	32	153	6.6	43.27			B5	9408	18500
	29	168	6.0	47.50			B5	9500	18500
	25	197	5.6	55.96			B5	9500	18500
23	216	5.1	61.25	B5	9500	18500			
21	238	4.6	67.50	B5	9500	18500			

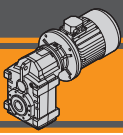


技术参数

Technical data

P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			$R_2 U$ [N]	$R_2 P$ [N]	P_1 [kW]	n_2 [min ⁻¹]	M_2 [Nm]	sf	i			$R_2 U$ [N]	$R_2 P$ [N]	
1 1																		
90S4 (1400 min ⁻¹)	17	571	3.0	81.00	ITS933	B5/B14	12000	23000	90L4 (1400 min ⁻¹)	155	89	9.6	9.03	ITS932	B5/B14	4297	16485	
	15	657	2.6	93.18		B5/B14	12000	23000		141	97	9.3	9.90		B5/B14	4523	17311	
14	720	2.4	102.02	B5/B14		12000	23000	124	111	8.1	11.27	B5/B14	4861		18549			
12	826	2.1	117.16	B5/B14		12000	23000	107	128	7.0	13.06	B5/B14	5275		20059			
11	905	1.9	128.28	B5/B14		12000	23000	96	143	6.3	14.58	B5/B14	5603		21257			
9.2	1074	1.6	152.21	B5/B14		12000	23000	83	165	6.1	16.81	B5/B14	6053		22900			
8.4	1175	1.4	166.65	B5/B14		12000	23000	73	189	5.3	19.24	B5/B14	6509		23000			
7.5	1313	1.3	186.19	B5/B14		12000	23000	59	232	5.2	23.57	B5/B14	7248		23000			
6.9	1438	1.2	203.86	B5/B14		12000	23000	57	243	4.9	24.75	B5/B14	7434		23000			
6.1	1608	1.1	228.05	B5/B14		12000	23000	54	254	5.5	25.81	B5/B14	7597		23000			
5.4	1817	0.9	257.61	B5/B14	12000	23000	48	284	4.9	28.88	B5/B14	8047	23000					
									40	341	4.8	34.71	B5/B14	8824	23000			
					ITS942	B5/B14	13823	31000	37	373	4.4	38.01	B5/B14	9222	23000			
32	312	8.7	43.25	B5/B14		14603	31000	33	409	4.0	42.53	B5/B14	9751	23000				
29	345	7.8	47.95	B5/B14		15000	31000	30	449	3.7	46.73	B5/B14	10188	23000				
26	377	8.5	53.43	B5/B14		15000	31000	27	493	3.3	51.30	B5/B14	10626	23000				
24	411	7.8	58.22	B5/B14		15000	31000	23	581	2.8	60.44	B5/B14	11404	23000				
22	455	7.0	64.53	B5/B14		15000	31000	21	636	2.6	66.15	B5/B14	11831	23000				
20	497	6.0	70.40	B5/B14	15000	31000	19	701	2.1	72.90	B5/B14	12000	23000					
18	543	5.5	77.00	B5/B14	15000	31000												
					ITS943	B5/B14	15000	31000	17	779	2.2	81.00	B5/B14	12000	23000			
15	663	4.8	94.05	B5/B14		15000	31000	15	896	1.9	93.18	B5/B14	12000	23000				
14	705	4.5	99.94	B5/B14		15000	31000	14	981	1.7	102.02	B5/B14	12000	23000				
13	772	4.1	109.42	B5/B14		15000	31000	12	1127	1.5	117.16	B5/B14	12000	23000				
12	853	3.7	121.00	B5/B14		15000	31000	11	1234	1.4	128.28	B5/B14	12000	23000				
10	949	3.4	134.54	B5/B14		15000	31000	9.2	1464	1.2	152.21	B5/B14	12000	23000				
9.5	1042	3.1	147.69	B5/B14		15000	31000	8.4	1603	1.1	166.65	B5/B14	12000	23000				
8.2	1197	2.7	169.71	B5/B14		15000	31000	7.5	1791	0.9	186.19	B5/B14	12000	23000				
7.5	1311	2.4	185.82	B5/B14		15000	31000											
6.7	1466	2.2	207.90	B5/B14		15000	31000											
6.1	1611	2.0	228.46	B5/B14	15000	31000												
5.6	1769	1.8	250.80	B5/B14	15000	31000												
4.7	2084	1.5	295.48	B5/B14	15000	31000												
4.3	2281	1.4	323.40	B5/B14	15000	31000												
3.9	2514	1.3	356.40	B5/B14	15000	31000												
									48	289	9.3	29.42	ITS942	B5/B14	11078	31000		
									45	308	9.7	31.35	B5/B14	11463	31000			
									35	389	7.7	39.60	B5/B14	12974	31000			
									32	425	6.4	43.25	B5/B14	13584	31000			
									29	471	5.7	47.95	B5/B14	14322	31000			
									26	514	6.2	53.43	B5/B14	15000	31000			
									24	560	5.7	58.22	B5/B14	15000	31000			
									22	621	5.2	64.53	B5/B14	15000	31000			
									20	677	4.4	70.40	B5/B14	15000	31000			
									18	741	4.1	77.00	B5/B14	15000	31000			
									15	905	3.5	94.05	ITS943	B5/B14	15000	31000		
									14	961	3.3	99.94	B5/B14	15000	31000			
									13	1052	3.0	109.42	B5/B14	15000	31000			
									12	1164	2.7	121.00	B5/B14	15000	31000			
									10	1294	2.5	134.54	B5/B14	15000	31000			
									9.5	1421	2.3	147.69	B5/B14	15000	31000			
									8.2	1632	2.0	169.71	B5/B14	15000	31000			
									7.5	1787	1.8	185.82	B5/B14	15000	31000			
									6.7	2000	1.6	207.90	B5/B14	15000	31000			
									6.1	2197	1.5	228.46	B5/B14	15000	31000			
									5.6	2412	1.3	250.80	B5/B14	15000	31000			
									4.7	2842	1.1	295.48	B5/B14	15000	31000			
									4.3	3111	1.0	323.40	B5/B14	15000	31000			
1.5																		
90L4 (1400 min ⁻¹)	247	56	9.0	5.66	ITS922	B5/B14	2977	10467										
	198	69	7.2	7.06		B5/B14	3370	11782										
167	82	6.1	8.37	B5/B14		3704	12900											
153	90	7.2	9.13	B5/B14		3887	13510											
134	102	6.3	10.43	B5/B14		4182	14498											
116	118	5.5	12.04	B5/B14		4520	15630											
104	133	5.7	13.50	B5/B14		4805	16585											
90	152	4.9	15.50	B5/B14		5169	17808											
79	175	5.1	17.81	B5/B14		5558	18500											
64	213	4.2	21.73	B5/B14		6150	18500											
61	225	4.0	22.92	B5/B14		6315	18500											
59	234	3.9	23.80	B5/B14		6433	18500											
53	262	3.4	26.63	B5/B14		6794	18500											
48	287	3.1	29.26	B5/B14		7104	18500											
44	316	3.2	32.14	B5/B14		7420	18500											
40	338	3.0	35.19	B5/B14		7750	18500											
36	379	2.6	39.38	B5/B14		8139	18500											
32	416	2.4	43.27	B5/B14		8465	18500											
29	457	2.2	47.50	B5/B14		8785	18500											
25	538	2.0	55.96	B5/B14		9328	18500											
23	589	1.9	61.25	B5/B14	9500	18500												
21	649	1.7	67.50	B5/B14	9500	18500												
					ITS923	B5/B14	9500	18500										
19	721	1.5	75.00	B5/B14		9500	18500											
16	830	1.3	86.28	B5/B14		9500	18500											
15	909	1.2	94.46	B5/B14		9500	18500											
13	1043	1.1	108.48	B5/B14		9500	18500											
12	1142	1.0	118.77	B5/B14		9500	18500											

ITS



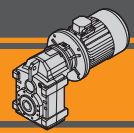
ITS

平行轴式减速电机 Helical parallel gearmotors

技术参数



Technical data



P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R _{2 U} [N]	R _{2 P} [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R _{2 U} [N]	R _{2 P} [N]	
1 85									1 85									
90LB4 (1400 min ⁻¹)	247	69	7.3	5.66	ITS922	B5/B14	2963	10435	90LB4 (1400 min ⁻¹)	15	1116	2.9	94.05	ITS943	B5/B14	15000	31000	
	198	85	5.8	7.06		B5/B14	3350	11737		14	1186	2.7	99.94		B5/B14	15000	31000	
	167	101	4.9	8.37		B5/B14	3678	12841		13	1298	2.5	109.42		B5/B14	15000	31000	
	153	111	5.9	9.13		B5/B14	3856	13443		12	1435	2.2	121.00		B5/B14	15000	31000	
	134	126	5.1	10.43		B5/B14	4145	14415		10	1596	2.0	134.54		B5/B14	15000	31000	
	116	146	4.5	12.04		B5/B14	4473	15526		9.5	1752	1.8	147.69		B5/B14	15000	31000	
	104	164	4.6	13.50		B5/B14	4749	16462		8.2	2013	1.6	169.71		B5/B14	15000	31000	
	90	188	4.0	15.50		B5/B14	5099	17656		7.5	2204	1.5	185.82		B5/B14	15000	31000	
	79	216	4.2	17.81		B5/B14	5471	18500		6.7	2466	1.3	207.90		B5/B14	15000	31000	
	64	263	3.4	21.73		B5/B14	6031	18500		6.1	2710	1.2	228.46		B5/B14	15000	31000	
	61	278	3.2	22.92		B5/B14	6185	18500		5.6	2975	1.1	250.80		B5/B14	15000	31000	
	59	288	3.1	23.80		B5/B14	6295	18500										
	53	323	2.8	26.63		B5/B14	6629	18500										
	48	354	2.5	29.26		B5/B14	6913	18500										
	44	389	2.6	32.14		B5/B14	7198	18500										
	40	417	2.4	35.19		B5/B14	7500	18500										
	36	467	2.1	39.38		B5/B14	7840	18500										
	32	513	1.9	43.27		B5/B14	8118	18500										
	29	563	1.8	47.50		B5/B14	8382	18500										
	25	664	1.7	55.96		B5/B14	8806	18500										
	23	727	1.5	61.25		B5/B14	9007	18500										
	21	801	1.4	67.50	B5/B14	9189	18500											
	19	890	1.2	75.00	ITS923	B5/B14	9332	18500										
	16	1023	1.1	86.28		B5/B14	9411	18500										
	15	1121	1.0	94.46		B5/B14	9374	18500										
	183	93	9.2	7.65	ITS932	B5/B14	3896	15035	100LA4 (1400 min ⁻¹)	247	81	6.1	5.66	ITS922	B5/B14	2949	10402	
	155	109	7.8	9.03		B5/B14	4275	16428		198	102	4.9	7.06		B5/B14	3330	11692	
	141	120	7.5	9.90		B5/B14	4497	17246		167	121	4.1	8.37		B5/B14	3651	12782	
	124	137	6.6	11.27		B5/B14	4830	18469		153	132	4.9	9.13		B5/B14	3826	13376	
	107	158	5.7	13.06		B5/B14	5235	19958		134	150	4.3	10.43		B5/B14	4107	14332	
	96	177	5.1	14.58		B5/B14	5555	21137		116	174	3.7	12.04		B5/B14	4427	15423	
	83	204	4.9	16.81		B5/B14	5993	22751		104	194	3.9	13.50		B5/B14	4693	16338	
	73	233	4.3	19.24		B5/B14	6435	23000		90	223	3.4	15.50		B5/B14	5030	17503	
	59	286	4.2	23.57		B5/B14	7145	23000		79	257	3.5	17.81		B5/B14	5384	18500	
	57	300	4.0	24.75		B5/B14	7324	23000		64	313	2.9	21.73		B5/B14	5912	18500	
	54	313	4.5	25.81		B5/B14	7479	23000		61	330	2.7	22.92		B5/B14	6055	18500	
	48	350	4.0	28.88		B5/B14	7906	23000		59	343	2.6	23.80		B5/B14	6158	18500	
	40	421	3.9	34.71		B5/B14	8635	23000		53	384	2.3	26.63		B5/B14	6465	18500	
	37	460	3.6	38.01		B5/B14	9004	23000		48	422	2.1	29.26		B5/B14	6722	18500	
	33	504	3.3	42.53		B5/B14	9495	23000		44	463	2.2	32.14		B5/B14	6976	18500	
	30	554	3.0	46.73		B5/B14	9891	23000		40	496	2.0	35.19		B5/B14	7249	18500	
	27	609	2.7	51.30		B5/B14	10283	23000		36	555	1.8	39.38		B5/B14	7540	18500	
	23	717	2.3	60.44	B5/B14	10959	23000		32	610	1.6	43.27	B5/B14	7770	18500			
	21	785	2.1	66.15	B5/B14	11317	23000		29	670	1.5	47.50	B5/B14	7979	18500			
	19	865	1.7	72.90	B5/B14	11684	23000		25	789	1.4	55.96	B5/B14	8284	18500			
	17	961	1.8	81.00	ITS933	B5/B14	12000	23000		23	864	1.3	61.25	B5/B14	8405	18500		
	15	1105	1.5	93.18		B5/B14	12000	23000		21	952	1.2	67.50	B5/B14	8486	18500		
	14	1210	1.4	102.02		B5/B14	12000	23000		19	1058	1.0	75.00	ITS923	B5/B14	8502	18500	
	12	1390	1.2	117.16		B5/B14	12000	23000		228	88	9.6	6.13	ITS932	B5/B14	3429	13323	
	11	1522	1.1	128.28		B5/B14	12000	23000		183	110	7.7	7.65		B5/B14	3879	14991	
	9.2	1806	0.9	152.21		B5/B14	12000	23000		155	130	6.5	9.03		B5/B14	4252	16371	
	60	283	8.8	23.32		ITS942	B5/B14	9683	31000		141	143	6.3		9.90	B5/B14	4471	17180
	48	356	7.6	29.42	B5/B14		10965	31000		124	162	5.5	11.27		B5/B14	4798	18388	
	45	380	7.9	31.35	B5/B14		11337	31000		107	188	4.8	13.06		B5/B14	5194	19857	
	35	480	6.3	39.60	B5/B14		12793	31000		96	210	4.3	14.58		B5/B14	5507	21017	
	32	524	5.2	43.25	B5/B14		13375	31000		83	242	4.1	16.81		B5/B14	5933	22601	
	29	581	4.6	47.95	B5/B14		14077	31000		73	277	3.6	19.24		B5/B14	6361	23000	
	26	634	5.0	53.43	B5/B14		14868	31000		59	340	3.5	23.57		B5/B14	7043	23000	
	24	691	4.6	58.22	B5/B14	15000	31000		57	357	3.4	24.75	B5/B14		7213	23000		
	22	766	4.2	64.53	B5/B14	15000	31000		54	372	3.8	25.81	B5/B14	7361	23000			
	20	835	3.6	70.40	B5/B14	15000	31000		48	416	3.4	28.88	B5/B14	7765	23000			
	18	913	3.3	77.00	B5/B14	15000	31000		40	500	3.3	34.71	B5/B14	8446	23000			
									37	548	3.0	38.01	B5/B14	8785	23000			
									33	600	2.8	42.53	B5/B14	9240	23000			
									30	659	2.5	46.73	B5/B14	9595	23000			
									27	724	2.3	51.30	B5/B14	9939	23000			
									23	853	1.9	60.44	B5/B14	10514	23000			
									21	933	1.8	66.15	B5/B14	10804	23000			
									19	1028	1.5	72.90	B5/B14	11085	23000			
									17	1143	1.5	81.00	ITS933	B5/B14	11343	23000		
									15	1314	1.3	93.18		B5/B14	11582	23000		
									14	1439	1.2	102.02		B5/B14	11655	23000		
									12	1653	1.0	117.16		B5/B14	11604	23000		
									11	1810	0.9	128.28		B5/B14	11435	23000		





技术参数

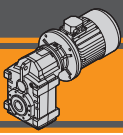
Technical data

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
2.2								
100LA4 (1400 min ⁻¹)	98	205	9.8	14.21	ITS942	B5/B14	7340	26991
	88	229	10	15.91		B5/B14	7809	28652
	81	250	9.6	17.33		B5/B14	8183	29976
	73	276	9.1	19.13		B5/B14	8636	31000
	60	336	7.4	23.32		B5/B14	9604	31000
	48	424	6.4	29.42		B5/B14	10851	31000
	45	452	6.6	31.35		B5/B14	11212	31000
	35	571	5.3	39.60		B5/B14	12611	31000
	32	623	4.3	43.25		B5/B14	13167	31000
	29	691	3.9	47.95		B5/B14	13831	31000
	26	754	4.2	53.43	B5/B14	14582	31000	
	24	821	3.9	58.22	B5/B14	15000	31000	
	22	910	3.5	64.53	B5/B14	15000	31000	
	20	993	3.0	70.40	B5/B14	15000	31000	
	18	1086	2.8	77.00	B5/B14	15000	31000	
	15	1327	2.4	94.05	ITS943	B5/B14	15000	31000
	14	1410	2.3	99.94		B5/B14	15000	31000
	13	1544	2.1	109.42		B5/B14	15000	31000
	12	1707	1.9	121.00		B5/B14	15000	31000
	10	1898	1.7	134.54		B5/B14	15000	31000
9.5	2083	1.5	147.69	B5/B14		15000	31000	
8.2	2394	1.3	169.71	B5/B14		15000	31000	
7.5	2621	1.2	185.82	B5/B14		15000	31000	
6.7	2933	1.1	207.90	B5/B14		15000	31000	
6.1	3223	1.0	228.46	B5/B14		15000	31000	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
3.0								
100LB4 (1400 min ⁻¹)	247	111	4.5	5.66	ITS922	B5/B14	2916	10329
	198	139	3.6	7.06		B5/B14	3284	11589
	167	164	3.0	8.37		B5/B14	3591	12648
	153	179	3.6	9.13		B5/B14	3757	13222
	134	205	3.2	10.43		B5/B14	4022	14143
	116	237	2.7	12.04		B5/B14	4319	15186
	104	265	2.8	13.50		B5/B14	4565	16056
	90	304	2.5	15.50		B5/B14	4870	17153
	79	350	2.6	17.81		B5/B14	5185	18309
	64	427	2.1	21.73		B5/B14	5639	18500
	61	450	2.0	22.92		B5/B14	5759	18500
	59	468	1.9	23.80		B5/B14	5843	18500
	53	523	1.7	26.63		B5/B14	6089	18500
	48	575	1.6	29.26		B5/B14	6286	18500
	44	631	1.6	32.14		B5/B14	6470	18500
	40	677	1.5	35.19		B5/B14	6677	18500
	36	757	1.3	39.38		B5/B14	6856	18500
	32	832	1.2	43.27		B5/B14	6976	18500
	29	914	1.1	47.50		B5/B14	7059	18500
	25	1077	1.0	55.96		B5/B14	7090	18500

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
3.0									
100LB4 (1400 min ⁻¹)	228	121	7.1	6.13	ITS932	B5/B14	3401	13251	
	183	150	5.7	7.65		B5/B14	3840	14890	
	155	177	4.8	9.03		B5/B14	4201	16240	
	141	194	4.6	9.90		B5/B14	4412	17029	
	124	221	4.1	11.27		B5/B14	4725	18204	
	107	257	3.5	13.06		B5/B14	5103	19626	
	96	286	3.1	14.58		B5/B14	5398	20743	
	83	330	3.0	16.81		B5/B14	5796	22260	
	73	378	2.6	19.24		B5/B14	6191	23000	
	59	463	2.6	23.57		B5/B14	6809	23000	
	57	486	2.5	24.75		B5/B14	6960	23000	
	54	507	2.8	25.81		B5/B14	7091	23000	
	48	567	2.5	28.88		B5/B14	7442	23000	
	40	682	2.4	34.71		B5/B14	8014	23000	
	37	747	2.2	38.01		B5/B14	8287	23000	
	33	818	2.0	42.53		B5/B14	8657	23000	
	30	899	1.8	46.73		B5/B14	8918	23000	
	27	987	1.7	51.30		B5/B14	9154	23000	
	23	1163	1.4	60.44		B5/B14	9496	23000	
	21	1272	1.3	66.15		B5/B14	9629	23000	
	19	1402	1.1	72.90		B5/B14	9715	23000	
	17	1558	1.1	81.00		ITS933	B5/B14	9724	23000
	15	1792	0.9	93.18			B5/B14	9562	23000
	98	279	7.2	14.21		ITS942	B5/B14	7258	26808
	88	313	7.7	15.91			B5/B14	7711	28435
	81	340	7.1	17.33			B5/B14	8071	29728
	73	376	6.7	19.13			B5/B14	8504	31000
	60	458	5.5	23.32			B5/B14	9425	31000
	48	578	4.7	29.42			B5/B14	10592	31000
	45	616	4.9	31.35			B5/B14	10925	31000
	35	778	3.9	39.60			B5/B14	12196	31000
	32	850	3.2	43.25			B5/B14	12689	31000
	29	942	2.9	47.95			B5/B14	13269	31000
	26	1028	3.1	53.43		B5/B14	13929	31000	
	24	1120	2.9	58.22		B5/B14	14413	31000	
	22	1241	2.6	64.53		B5/B14	14983	31000	
	20	1354	2.2	70.40		B5/B14	15000	31000	
	18	1481	2.0	77.00		B5/B14	15000	31000	
	15	1809	1.8	94.05		ITS943	B5/B14	15000	31000
	14	1923	1.7	99.94			B5/B14	15000	31000
13	2105	1.5	109.42	B5/B14	15000		31000		
12	2328	1.4	121.00	B5/B14	15000		31000		
10	2588	1.2	134.54	B5/B14	15000		31000		
9.5	2841	1.1	147.69	B5/B14	15000		31000		
8.2	3265	1.0	169.71	B5/B14	15000		31000		









ITS

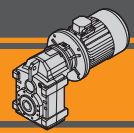


ITS 平行轴式减速电机 Helical parallel gearmotors

技术参数



Technical data



P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]							
4.0																								
112M4 (1400 min ⁻¹)	247	148	3.4	5.66			ITS922	B5/B14	2876	10238	132S4 (1400 min ⁻¹)	247	204	2.5	5.66			ITS922	B5/B14	2815	10100			
	198	185	2.7	7.06				B5/B14	3226	11460		198	254	2.0	7.06				B5/B14	3140	11266			
	167	219	2.3	8.37				B5/B14	3516	12480		167	301	1.7	8.37				B5/B14	3403	12228			
	153	239	2.7	9.13				B5/B14	3671	13030		153	329	2.0	9.13				B5/B14	3541	12741			
	134	273	2.4	10.43				B5/B14	3915	13906		134	376	1.7	10.43				B5/B14	3755	13552			
	116	316	2.1	12.04				B5/B14	4186	14891		116	434	1.5	12.04				B5/B14	3985	14448			
	104	354	2.1	13.50				B5/B14	4404	15704		104	486	1.5	13.50				B5/B14	4164	15174			
	90	406	1.8	15.50				B5/B14	4671	16717		90	558	1.3	15.50				B5/B14	4371	16061			
	79	467	1.9	17.81				B5/B14	4937	17767		79	642	1.4	17.81				B5/B14	4564	16953			
	64	569	1.6	21.73				B5/B14	5298	18500		64	783	1.1	21.73				B5/B14	4787	18183			
	61	600	1.5	22.92				B5/B14	5388	18500		61	825	1.1	22.92				B5/B14	4832	18494			
	59	623	1.4	23.80				B5/B14	5450	18500		59	857	1.1	23.80				B5/B14	4859	18500			
	53	697	1.3	26.63				B5/B14	5619	18500		228	221	3.8	6.13				ITS932	B5/B14	3314	13027		
	48	766	1.2	29.26				B5/B14	5740	18500			183	276	3.1					7.65	B5/B14	3717	14575	
	44	842	1.2	32.14				B5/B14	5836	18500			155	325	2.6					9.03	B5/B14	4041	15833	
	40	903	1.1	35.19				B5/B14	5961	18500			141	357	2.5					9.90	B5/B14	4226	16559	
	36	1010	1.0	39.38				B5/B14	6001	18500			124	406	2.2					11.27	B5/B14	4498	17630	
	32	1110	0.9	43.27				B5/B14	5983	18500			107	470	1.9					13.06	B5/B14	4815	18904	
	228	161	5.3	6.13				ITS932	B5/B14	3366			13162	96	525					1.7	14.58	B5/B14	5056	19886
	183	200	4.2	7.65					B5/B14	3790			14764	83	605					1.7	16.81	B5/B14	5368	21192
	155	237	3.6	9.03					B5/B14	4137			16077	73	693					1.4	19.24	B5/B14	5661	22462
	141	259	3.5	9.90					B5/B14	4338			16841	59	849					1.4	23.57	B5/B14	6077	23000
	124	295	3.0	11.27					B5/B14	4634			17974	57	891					1.3	24.75	B5/B14	6170	23000
	107	342	2.6	13.06					B5/B14	4988			19337	54	930					1.5	25.81	B5/B14	6246	23000
	96	382	2.4	14.58					B5/B14	5261		20400	48	1040	1.3				28.88	B5/B14	6433	23000		
	83	440	2.3	16.81					B5/B14	5625		21833	40	1250	1.3				34.71	B5/B14	6663	23000		
	73	504	2.0	19.24					B5/B14	5979		23000	37	1369	1.2				38.01	B5/B14	6728	23000		
	59	617	1.9	23.57					B5/B14	6516		23000	33	1500	1.1				42.53	B5/B14	6834	23000		
	57	648	1.9	24.75					B5/B14	6644		23000	30	1648	1.0				46.73	B5/B14	6801	23000		
	54	676	2.1	25.81					B5/B14	6753		23000	27	1809	0.9				51.30	B5/B14	6701	23000		
	48	756	1.9	28.88				B5/B14	7039	23000		177	285	5.3	7.93				ITS942	B5/B14	5157	19427		
	40	909	1.8	34.71				B5/B14	7474	23000			146	345	4.3					9.59	B5/B14	5711	21458	
	37	996	1.7	38.01				B5/B14	7663	23000			131	384	4.4					10.67	B5/B14	6041	22671	
	33	1091	1.5	42.53				B5/B14	7928	23000			118	426	4.0					11.82	B5/B14	6372	23896	
	30	1199	1.4	46.73				B5/B14	8071	23000			108	465	4.3					12.91	B5/B14	6667	24990	
	27	1316	1.3	51.30				B5/B14	8173	23000			98	512	3.9					14.21	B5/B14	7002	26238	
23	1550	1.1	60.44	B5/B14	8224	23000	88	573	4.2	15.91	B5/B14		7405	27755										
21	1697	1.0	66.15	B5/B14	8162	23000	81	624	3.8	17.33	B5/B14		7720	28952										
98	372	5.4	14.21	ITS942	B5/B14	7155	26580	73	689	3.6	19.13		B5/B14	8095	30386									
	88	417	5.8		15.91	B5/B14	7589	28163	60	840	3.0		23.32	B5/B14	8864	31000								
	81	454	5.3		17.33	B5/B14	7931	29417	48	1060	2.5		29.42	B5/B14	9782	31000								
	73	501	5.0		19.13	B5/B14	8340	30929	45	1129	2.7		31.35	B5/B14	10029	31000								
	60	611	4.1		23.32	B5/B14	9201	31000	35	1426	2.1	39.60	B5/B14	10899	31000									
	48	771	3.5		29.42	B5/B14	10268	31000	32	1558	1.7	43.25	B5/B14	11198	31000									
	45	821	3.7		31.35	B5/B14	10567	31000	29	1727	1.6	47.95	B5/B14	11513	31000									
	35	1037	2.9		39.60	B5/B14	11677	31000	26	1884	1.7	53.43	B5/B14	11889	31000									
	32	1133	2.4		43.25	B5/B14	12093	31000	24	2053	1.6	58.22	B5/B14	12076	31000									
	29	1256	2.1		47.95	B5/B14	12567	31000	22	2276	1.4	64.53	B5/B14	12231	31000									
	26	1370	2.3		53.43	B5/B14	13113	31000	20	2483	1.2	70.40	B5/B14	12289	31000									
	24	1493	2.1		58.22	B5/B14	13478	31000	18	2716	1.1	77.00	B5/B14	12262	31000									
22	1655	1.9	64.53	B5/B14	13882	31000	15	3317	1.0	94.05	ITS943	B5/B14	11787	31000										
20	1806	1.7	70.40	B5/B14	14184	31000																		
18	1975	1.5	77.00	B5/B14	14446	31000																		
15	2412	1.3	94.05	ITS943	B5/B14	14785	31000	7.5																
14	2563	1.2	99.94		B5/B14	14800	31000	132MA4 (1400 min ⁻¹)	247	278	1.8	5.66	ITS922	B5/B14	2734	9917								
13	2807	1.1	109.42		B5/B14	14723	31000	198	347	1.4	7.06	B5/B14		3025	11008									
12	3103	1.0	121.00		B5/B14	14473	31000	167	411	1.2	8.37	B5/B14		3253	11892									
							153	448	1.4	9.13	B5/B14	3369		12357										
							134	512	1.3	10.43	B5/B14	3542		13078										
							116	592	1.1	12.04	B5/B14	3717		13857										
							104	663	1.1	13.50	B5/B14	3843		14469										
							90	761	1.0	15.50	B5/B14	3972		15188										
							79	875	1.0	17.81	B5/B14	4066		15869										







技术参数



Technical data



P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
7.5								
132MA4 (1400 min ⁻¹)	228	301	2.8	6.13	ITS932	B5/B14	3245	12848
	183	376	2.3	7.65		B5/B14	3618	14323
155	444	1.9	9.03	B5/B14		3912	15506	
141	486	1.9	9.90	B5/B14		4078	16183	
124	553	1.6	11.27	B5/B14		4316	17170	
107	642	1.4	13.06	B5/B14		4585	18326	
96	716	1.3	14.58	B5/B14		4782	19201	
83	825	1.2	16.81	B5/B14		5025	20338	
73	945	1.1	19.24	B5/B14		5237	21409	
59	1158	1.0	23.57	B5/B14		5492	22947	
57	1216	1.0	24.75	B5/B14		5538	23000	
54	1268	1.1	25.81	B5/B14		5571	23000	
48	1418	1.0	28.88	B5/B14	5627	23000		
40	1705	1.0	34.71	B5/B14	5583	23000		
177	389	3.9	7.93	ITS942	B5/B14	5076	19243	
146	471	3.2	9.59		B5/B14	5601	21210	
131	524	3.2	10.67		B5/B14	5911	22378	
118	581	2.9	11.82		B5/B14	6220	23553	
108	634	3.2	12.91		B5/B14	6492	24597	
98	698	2.9	14.21		B5/B14	6797	25781	
88	781	3.1	15.91		B5/B14	7160	27212	
81	851	2.8	17.33		B5/B14	7440	28332	
73	940	2.7	19.13		B5/B14	7767	29663	
60	1145	2.2	23.32		B5/B14	8415	31000	
48	1445	1.9	29.42		B5/B14	9133	31000	
45	1540	1.9	31.35		B5/B14	9312	31000	
35	1945	1.5	39.60	B5/B14	9861	31000		
32	2124	1.3	43.25	B5/B14	10004	31000		
29	2355	1.1	47.95	B5/B14	10108	31000		
26	2569	1.2	53.43	B5/B14	10256	31000		
24	2800	1.1	58.22	B5/B14	10206	31000		
22	3103	1.0	64.53	B5/B14	10030	31000		

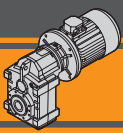
P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
9.2								
132L4 (1400 min ⁻¹)	247	341	1.5	5.66	ITS922	B5/B14	2666	9762
	198	425	1.2	7.06		B5/B14	2928	10789
	167	504	1.0	8.37		B5/B14	3125	11607
	153	550	1.2	9.13		B5/B14	3222	12030
	134	629	1.0	10.43		B5/B14	3361	12676
228	370	2.3	6.13	ITS932	B5/B14	3186	12696	
183	461	1.8	7.65		B5/B14	3534	14108	
155	544	1.6	9.03		B5/B14	3804	15229	
141	596	1.5	9.90		B5/B14	3952	15864	
124	679	1.3	11.27		B5/B14	4161	16779	
107	787	1.1	13.06		B5/B14	4390	17835	
96	878	1.0	14.58		B5/B14	4550	18619	
83	1012	1.0	16.81		B5/B14	4734	19612	
177	477	3.1	7.93		ITS942	B5/B14	5007	19086
146	578	2.6	9.59			B5/B14	5508	20999
131	643	2.6	10.67			B5/B14	5800	22130
118	712	2.4	11.82			B5/B14	6089	23262
108	778	2.6	12.91	B5/B14		6342	24263	
98	856	2.3	14.21	B5/B14		6623	25394	
88	958	2.5	15.91	B5/B14		6952	26750	
81	1044	2.3	17.33	B5/B14		7202	27805	
73	1153	2.2	19.13	B5/B14		7488	29048	
60	1405	1.8	23.32	B5/B14		8034	31000	
48	1773	1.5	29.42	B5/B14		8582	31000	
45	1889	1.6	31.35	B5/B14		8703	31000	
35	2386	1.3	39.60	B5/B14	8979	31000		
32	2606	1.0	43.25	B5/B14	8990	31000		
29	2889	0.9	47.95	B5/B14	8914	31000		
26	3152	1.0	53.43	B5/B14	8869	31000		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]	
11.0									
160M4 (1400 min ⁻¹)	228	442	1.9	6.13	ITS932	B5	3123	12535	
	183	551	1.5	7.65		B5	3446	13881	
	155	651	1.3	9.03		B5	3688	14935	
	141	713	1.3	9.90		B5	3819	15526	
	124	812	1.1	11.27		B5	3997	16366	
	107	941	1.0	13.06		B5	4183	17315	
	177	571	2.6	7.93		ITS942	B5	4934	18920
	146	691	2.2	9.59			B5	5409	20776
	131	768	2.2	10.67			B5	5683	21867
	118	851	2.0	11.82			B5	5952	22953
	108	930	2.2	12.91			B5	6184	23910
	98	1024	2.0	14.21			B5	6438	24983
88	1146	2.1	15.91	B5	6732		26261		
81	1248	1.9	17.33	B5	6950		27246		
73	1378	1.8	19.13	B5	7193		28397		
60	1680	1.5	23.32	B5	7630		30695		
48	2119	1.3	29.42	B5	7999		31000		
45	2258	1.3	31.35	B5	8058		31000		
35	2853	1.1	39.60	B5	8046	31000			

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
15.0								
160L4 (1400 min ⁻¹)	228	603	1.4	6.13	ITS932	B5	2984	12177
	183	752	1.1	7.65		B5	3248	13377
	155	887	1.0	9.03		B5	3432	14283
177	779	1.9	7.93	ITS942	B5	4771	18551	
146	942	1.6	9.59		B5	5189	20280	
131	1048	1.6	10.67		B5	5423	21282	
118	1161	1.5	11.82		B5	5646	22267	
108	1268	1.6	12.91		B5	5832	23124	
98	1396	1.4	14.21		B5	6028	24070	
88	1563	1.5	15.91		B5	6242	25174	
81	1702	1.4	17.33		B5	6389	26006	
73	1879	1.3	19.13		B5	6537	26950	
60	2291	1.1	23.32		B5	6733	28729	

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
18.5								
180M4 (1400 min ⁻¹)	177	960	1.6	7.93	ITS942	B5	4629	18228
	146	1162	1.3	9.59		B5	4997	19846
	131	1292	1.3	10.67		B5	5196	20770
	118	1432	1.2	11.82		B5	5378	21667
	108	1564	1.3	12.91		B5	5524	22436
	98	1722	1.2	14.21		B5	5670	23271
	88	1927	1.2	15.91		B5	5814	24224
	81	2099	1.1	17.33		B5	5898	24920
73	2318	1.1	19.13	B5	5963	25685		

P ₁ [kW]	n ₂ [min ⁻¹]	M ₂ [Nm]	sf	i			R ₂ U [N]	R ₂ P [N]
22.0								
180L4 (1400 min ⁻¹)	177	1142	1.3	7.93	ITS942	B5	4487	17905
	146	1382	1.1	9.59		B5	4805	19412
	131	1537	1.1	10.67		B5	4968	20258
	118	1703	1.0	11.82		B5	5110	21067
	108	1859	1.1	12.91		B5	5217	21749
	98	2048	1.0	14.21		B5	5311	22473
	88	2292	1.0	15.91		B5	5385	23273



ITS

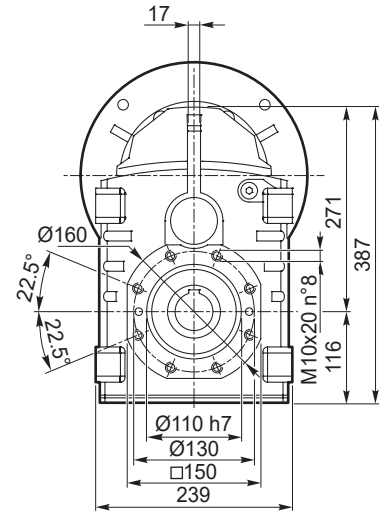
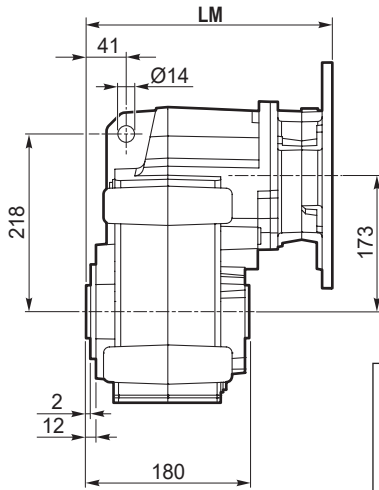
平行轴式减速电机
Helical parallel gearmotors

尺寸参数

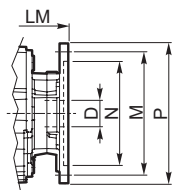
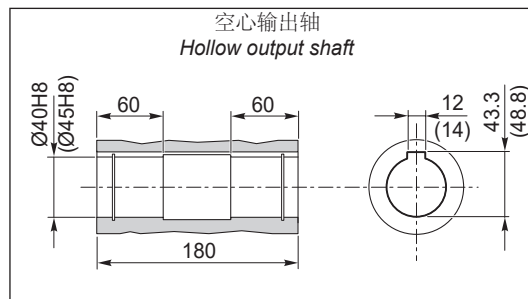
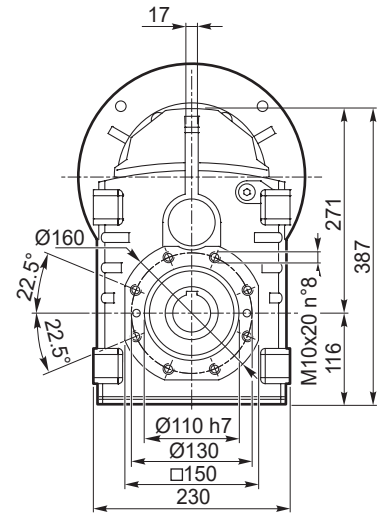
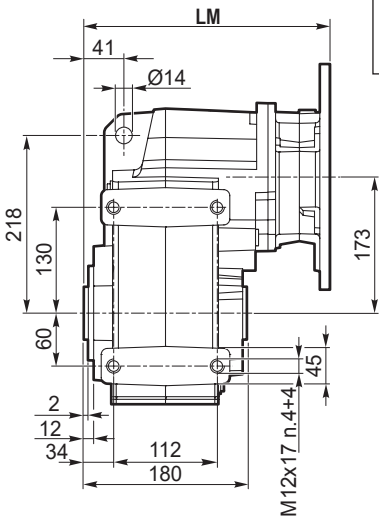
Dimensions

ITS 922 - ITS 923

ITS 922 U
ITS 923 U

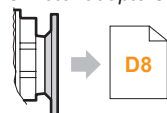


ITS 922 P
ITS 923 P

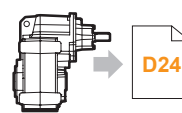


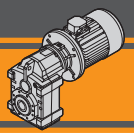
IEC 尺寸参数 / IEC Dimensions								
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14
LM	282.5	282.5	282.5	287	286.5	287	307.5	
N	110	130	130	95	180	110	230	130
M	130	165	165	115	215	130	265	165
P	160	200	200	140	250	160	300	200
D	14	19	24		28		38	

IEC 电机适配法兰
IEC Motor adapters



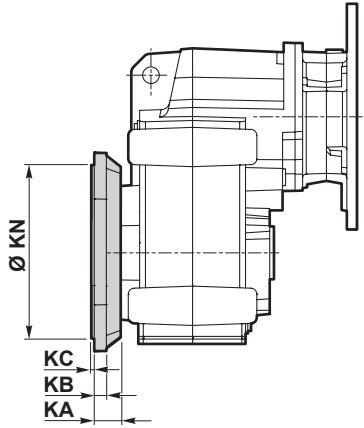
ITSIS..



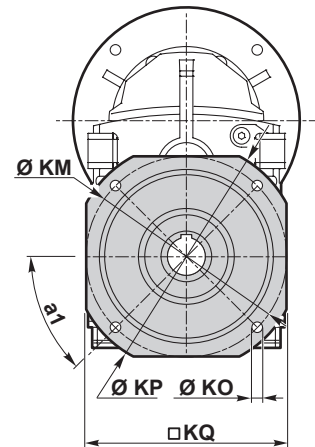
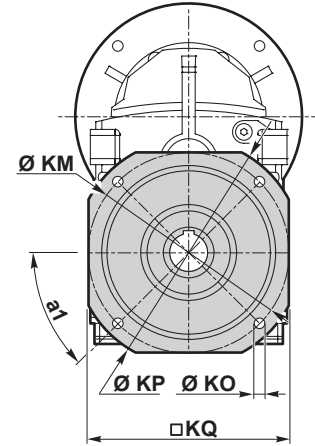
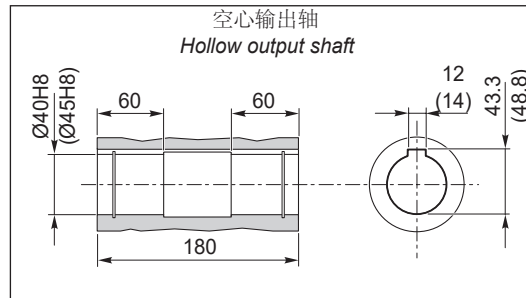
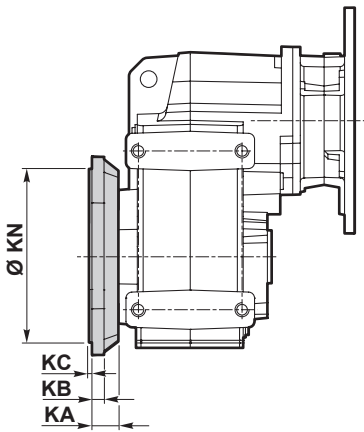


ITS 922 - ITS 923

ITS 922 U/F...
ITS 923 U/F...



ITS 922 P/F...
ITS 923 P/F...

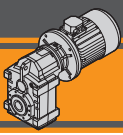


ITS

输出法兰 F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	法兰 / Flange	重量 / Weight [kg]
										类型 / Type	
922 923	35	45°	13	4	165	130	11	200	172	F200	2.6
	35	45°	13	4	215	180	14	250	215	F250	3.8
	35	45°	13	4	265	230	14	300	265	F300	5.6

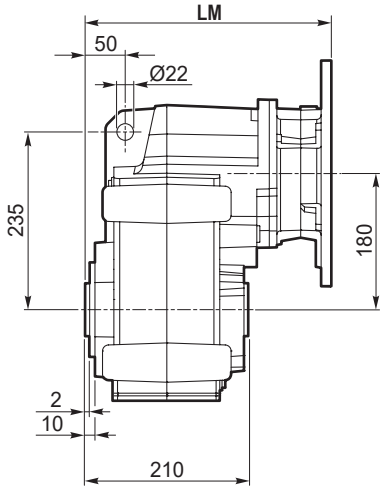
重量 / Weight [kg]									
ITS	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	
922 U	-	42	42	41	44	42	47	44	
922 P	-	42	42	41	44	41	47	44	
923 U	44	45	45	44	47	44			-
923 P	44	44	44	43	46	44			-

注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position

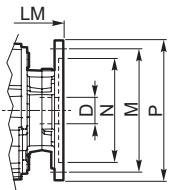
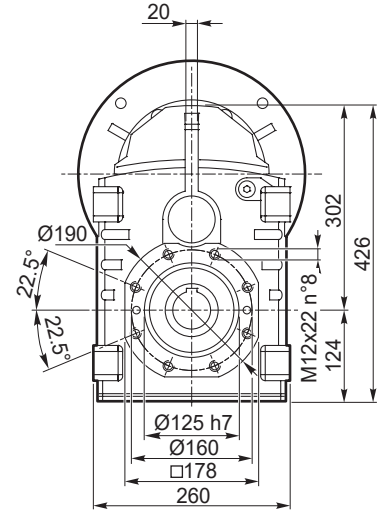
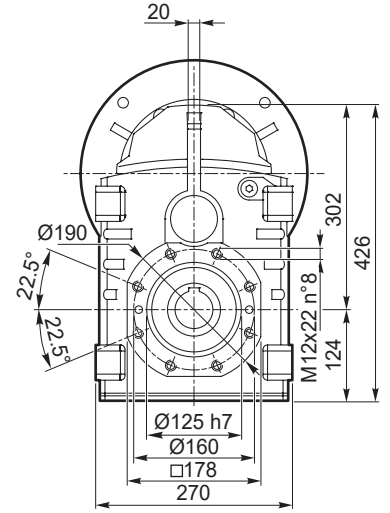
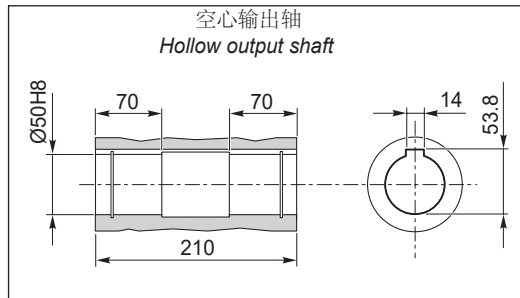
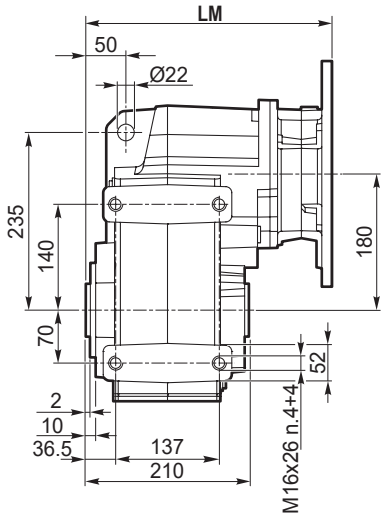


ITS 932 - ITS 933

ITS 932 U
ITS 933 U

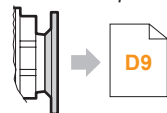


ITS 932 P
ITS 933 P

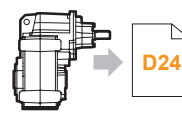


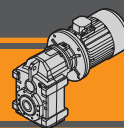
IEC 尺寸参数 IEC Dimensions									
	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5
LM	297.5	297.5	297.5	302	301.5	302	322.5		372.5
N	110	130	130	95	180	110	230	130	250
M	130	165	165	115	215	130	265	165	300
P	160	200	200	140	250	160	300	200	350
D	14	19	24		28		38		42

IEC 电机适配法兰
IEC Motor adapters



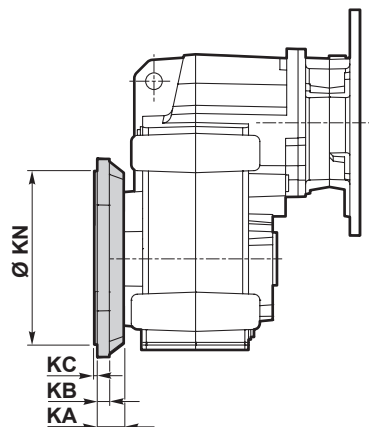
ITSIS..



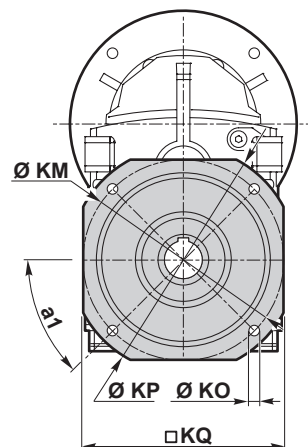
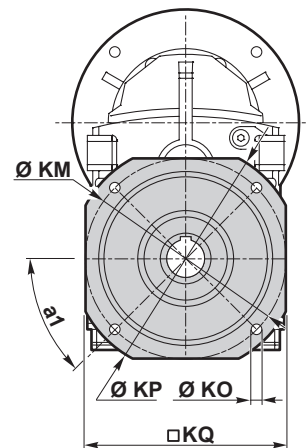
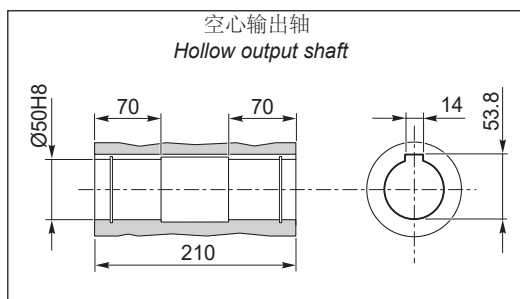
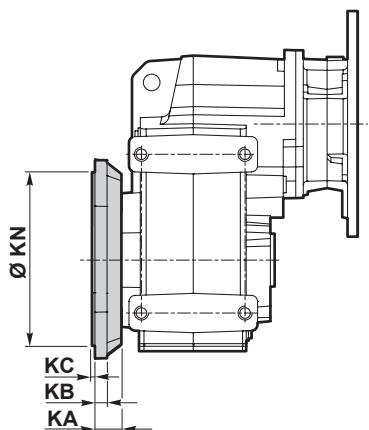


ITS 932 - ITS 933

ITS 932 U/F...
ITS 933 U/F...



ITS 932 P/F...
ITS 933 P/F...

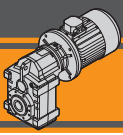


ITS

输出法兰 F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	法兰 / Flange	重量 / Weight [kg]
										类型 / Type	
932 933	40	45°	16	4	215	180	14	250	215	F250	4.8
	40	45°	16	4	265	230	14	300	265	F300	7.1
	40	45°	16	4	300	250	18	350	300	F350	9.1

重量 / Weight [kg]										
ITS	71 B5	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	
932 U	-	55	55	54	57	54	60	57	68	
932 P	-	54	54	53	56	54	59	56	68	
933 U	58	59	59	58	61	58	-	-	-	
933 P	58	58	58	57	60	58	-	-	-	

注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position



ITS

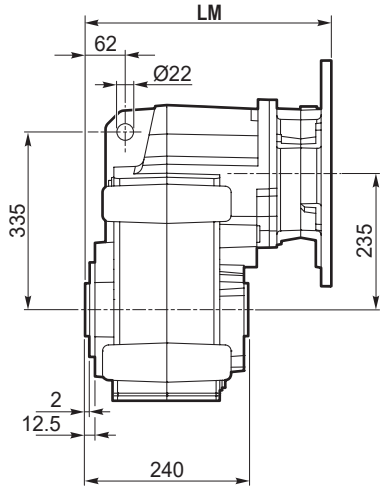
平行轴式减速电机
Helical parallel gearmotors

尺寸参数

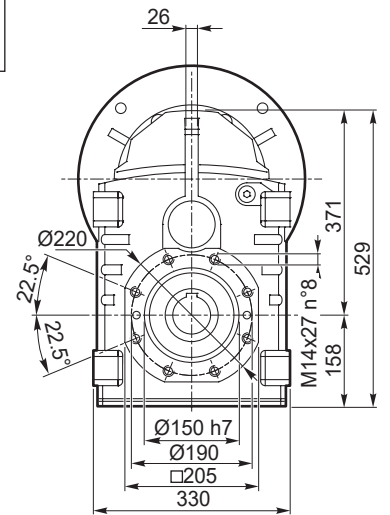
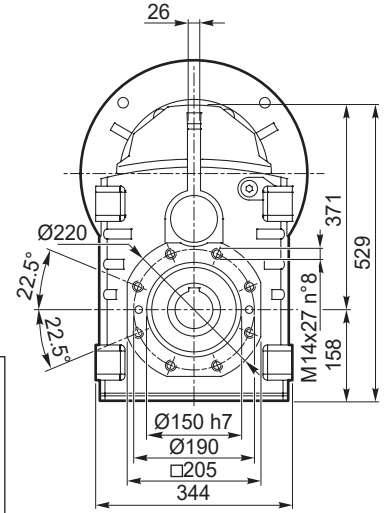
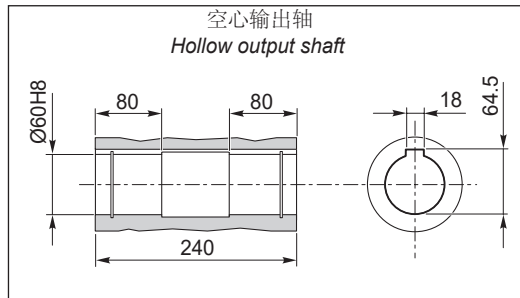
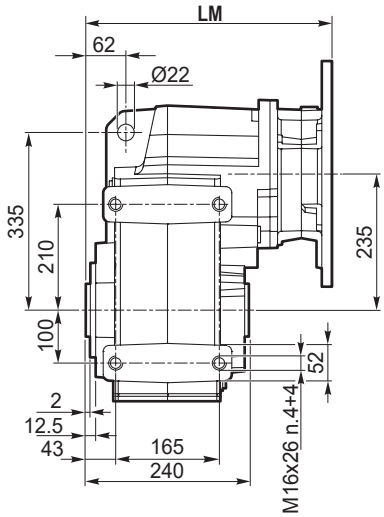
Dimensions

ITS 942 - ITS 943

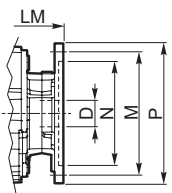
ITS 942 U
ITS 943 U



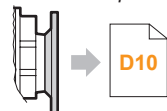
ITS 942 P
ITS 943 P



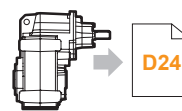
IEC 尺寸参数 IEC Dimensions									
	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5
LM	325.5	325.5	330	329.5	330	350.5		400.5	400.5
N	130	130	95	180	110	230	130	250	250
M	165	165	115	215	130	265	165	300	300
P	200	200	140	250	160	300	200	350	350
D	19	24		28		38		42	48

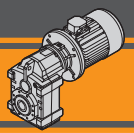


IEC 电机适配法兰
IEC Motor adapters



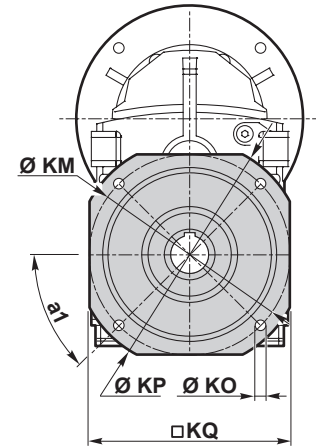
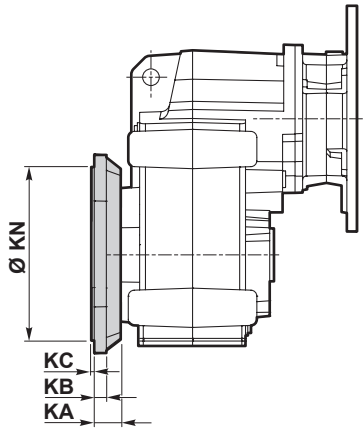
ITSIS..



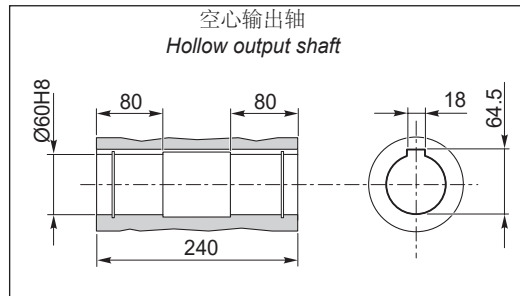
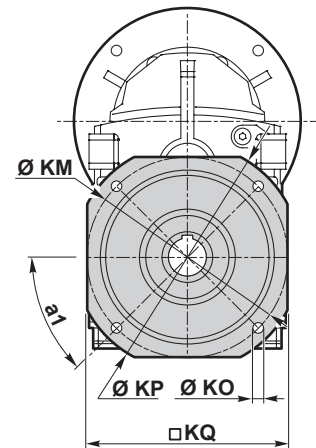
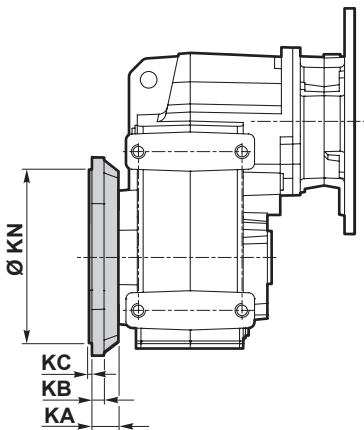


ITS 942 - ITS 943

ITS 942 U/F...
ITS 943 U/F...



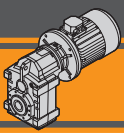
ITS 942 P/F...
ITS 943 P/F...



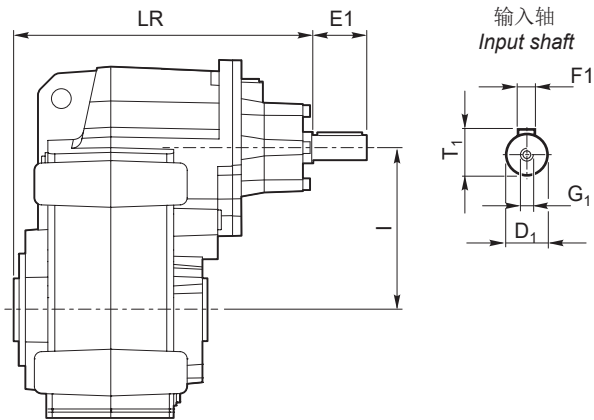
输出法兰 F / F Version											
ITS	KA	a ₁	KB	KC	Ø KM	KN f7	KO	KP □	KQ	法兰 / Flange	重量 / Weight
										类型 / Type	[kg]
942 943	42.5	45°	18	4	265	230	14	300	265	F300	7.4
	42.5	45°	18	5	300	250	18	350	300	F350	10.2
	42.5	45°	18	5	400	350	18	450	400	F450	16.9

重量 / Weight [kg]										
ITS	80 B5	90 B5	90 B14	100/112 B5	100/112 B14	132 B5	132 B14	160 B5	180 B5	
942 U	-	93	92	95	92	98	95	109	109	
942 P	-	92	91	94	91	97	94	108	108	
943 U	99	99	98	101	98	104	101	-	-	
943 P	98	98	97	100	97	103	100	-	-	

注：此数值是按M1(B3)安装位置加油后的重量
Note: weight of the gearbox filled with oil for M1 (B3) assembly position

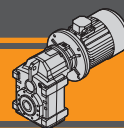


ITSIS...



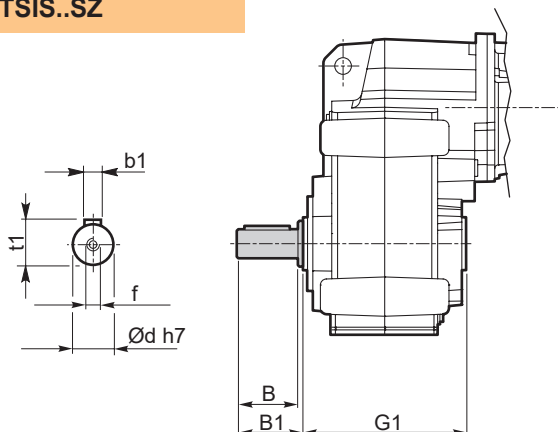
ITSIS	减速机型式 Version	LR	D1	E1	I	T1	F1	G1
922	U P U/F... P/F...	315	28	60	173	31	8	M10
923		315	28	60	173	31	8	M10
932		330	28	60	180	31	8	M10
933		330	28	60	180	31	8	M10
942		375.5	38	80	235	41	10	M12
943		358	28	60	235	31	8	M10

ITSIS	重量 / Weight [kg]
922 U	43
922 P	43
923 U	46
923 P	45
932 U	56
932 P	55
933 U	60
933 P	59
942 U	99
942 P	98
943 U	100
943 P	99



输出轴 / Output shaft

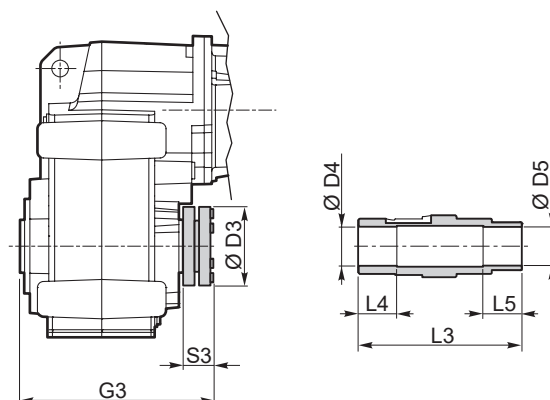
ITS...SZ
ITSIS..SZ



ITS	d h7	B	B1	G1	f	b1	t1	重量 / Weight [kg]
922 923	40	80	84	180	M16	12	43	2.2
932 933	50	100	105	210	M16	14	53.5	4.3
942 943	60	120	125	240	M20	18	64	7.1

配锁紧盘的输出轴 / Output shaft with shrink disk

ITS...G...
ITSIS..G..

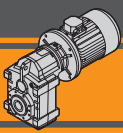


配锁紧盘的输出轴 / Output shaft with shrink disk

ITS	D3	D4 H8	D5 H8	G3	L3	L4	L5	S3	G4	
922/3	G40	100	41	40	217.5	215	45	45	34.5	90
	G45	100	46	45	217.5	215	45	45	34.5	90
932/3	G50	110	51	50	247.5	245	50	50	34.5	105
942/3	G60	138	61	60	280.5	279	60	60	37.5	120

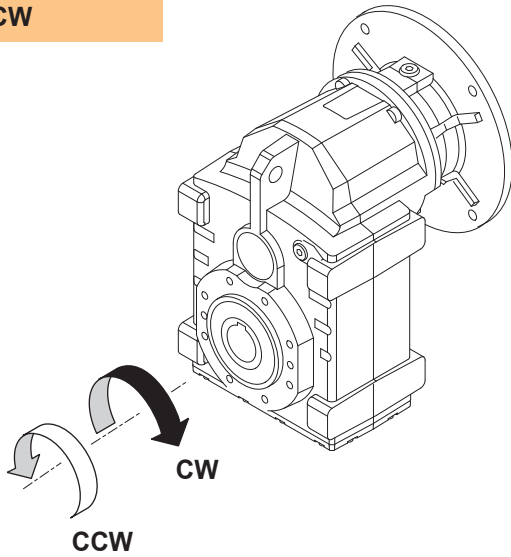
配锁紧盘的输出轴组件可供选择：
装配指导请联系我司技术部门。

Output shaft kit with shrink disk available on request:
for assembly instructions please contact our Technical Service



逆止装置 / Backstop device

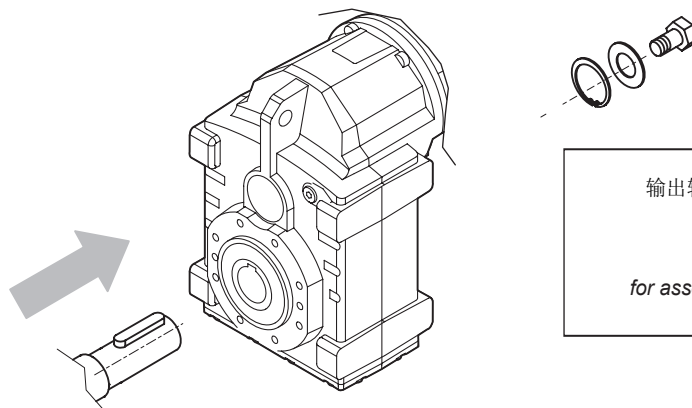
ITS...CW
ITS...CCW



逆止装置只允许有一个输出旋转方向。
使用前请按附图指定输出旋转方向。

The backstop device allows the output shaft to rotate in just one direction. Before using it, please specify output shaft rotation direction as shown in the figure.

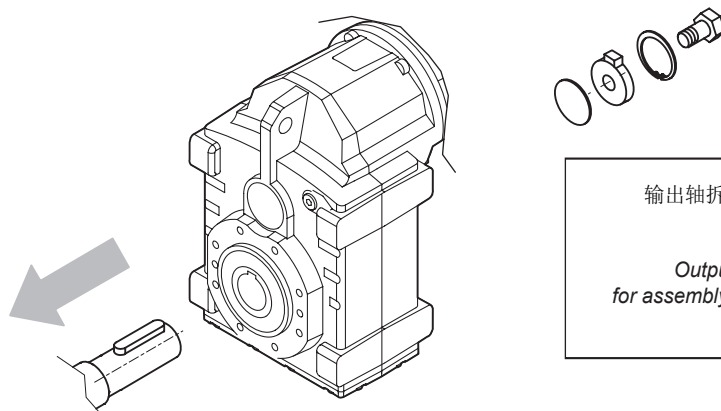
输出轴安装组件 / Output shaft assembly kit



输出轴安装组件可供选择：安装指导请联系我司技术部门。
螺栓组件不提供

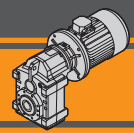
*Output shaft assembly kit available upon request:
for assembly instructions please contact our Technical Assistance.
Screws not provided*

输出轴拆装组件 / Output shaft disassembly kit



输出轴拆装组件可供选择：安装指导请联系我司技术部门。
螺栓组件不提供

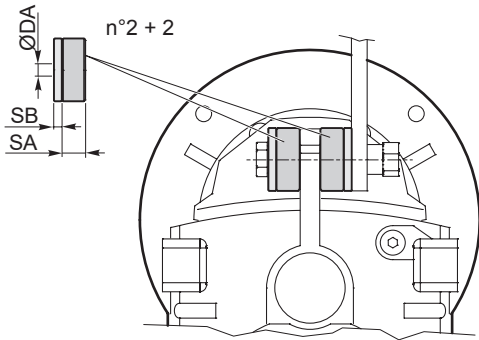
*Output shaft disassembly kit available upon request:
for assembly instructions please contact our Technical Assistance
Screws not provided*



扭力臂组件 / Torque arm kit

扭力臂组件可供选择：安装指导请联系我司技术部门！

*Torque arm kit available upon request:
for assembly instructions please contact our Technical Assistance*



扭力臂 / Torque arm

ITS	ØDA	SA	SB
922 923	13	15	5
932 933	21	30	10
942 943	21	30	10

ITS



附录
Appendix

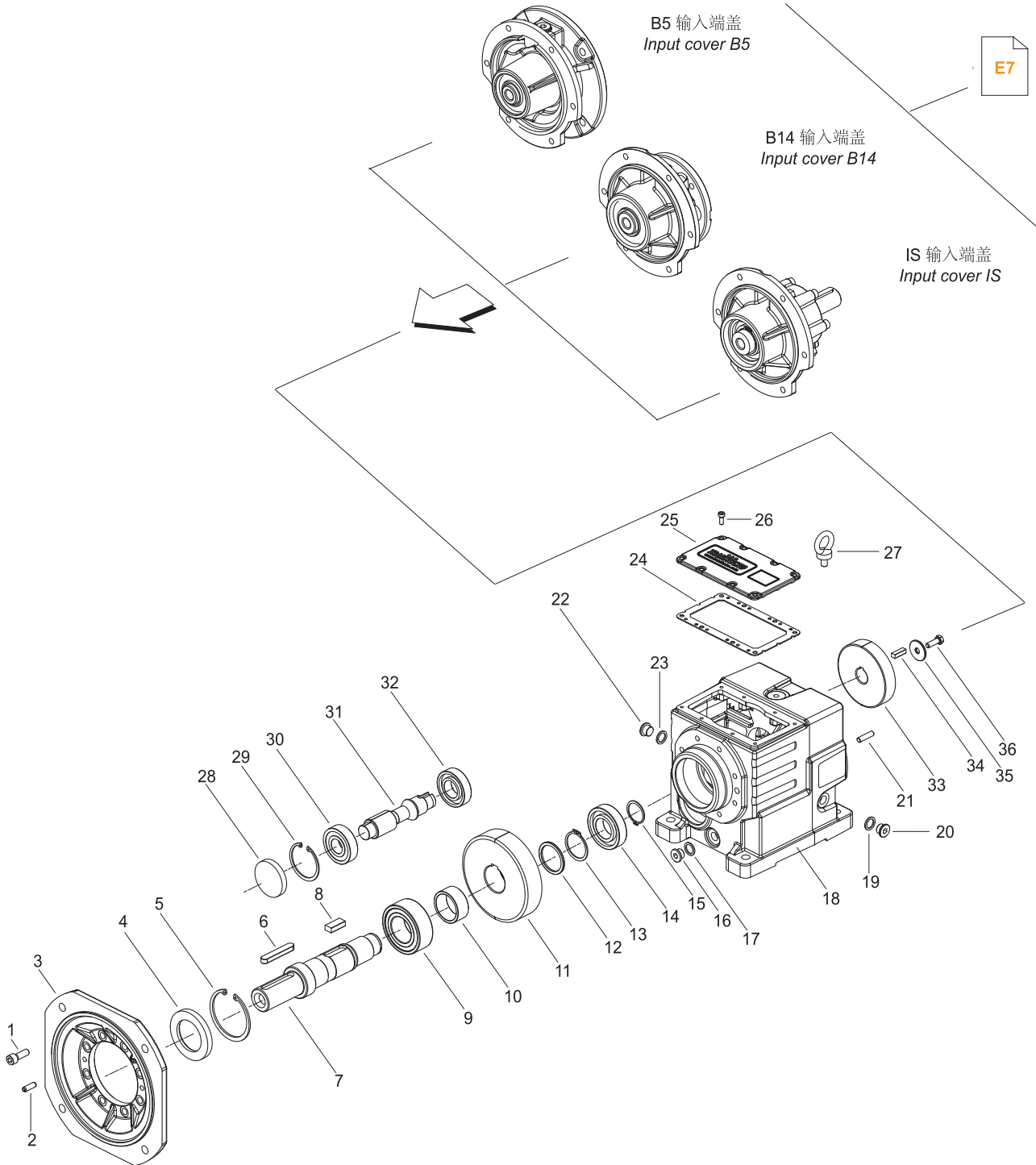


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零部件清单	<i>Spare parts list</i>	
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ITH..3	<i>ITH..3</i>	E3
ITB..	<i>ITB..</i>	E4
ITS..2	<i>ITS..2</i>	E5
ITS..3	<i>ITS..3</i>	E6
输入端盖	<i>Input cover</i>	E7

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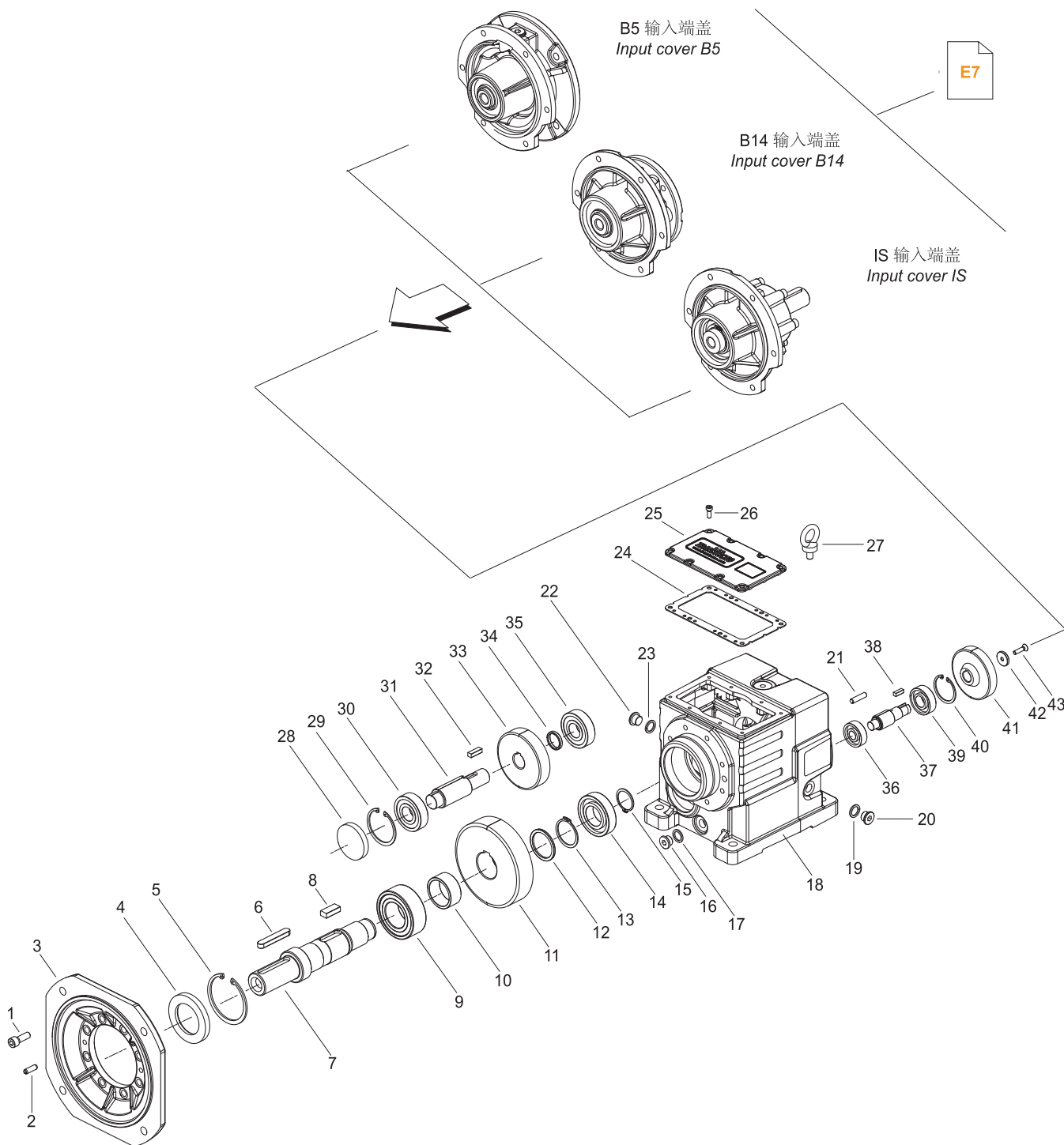
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ITH..2



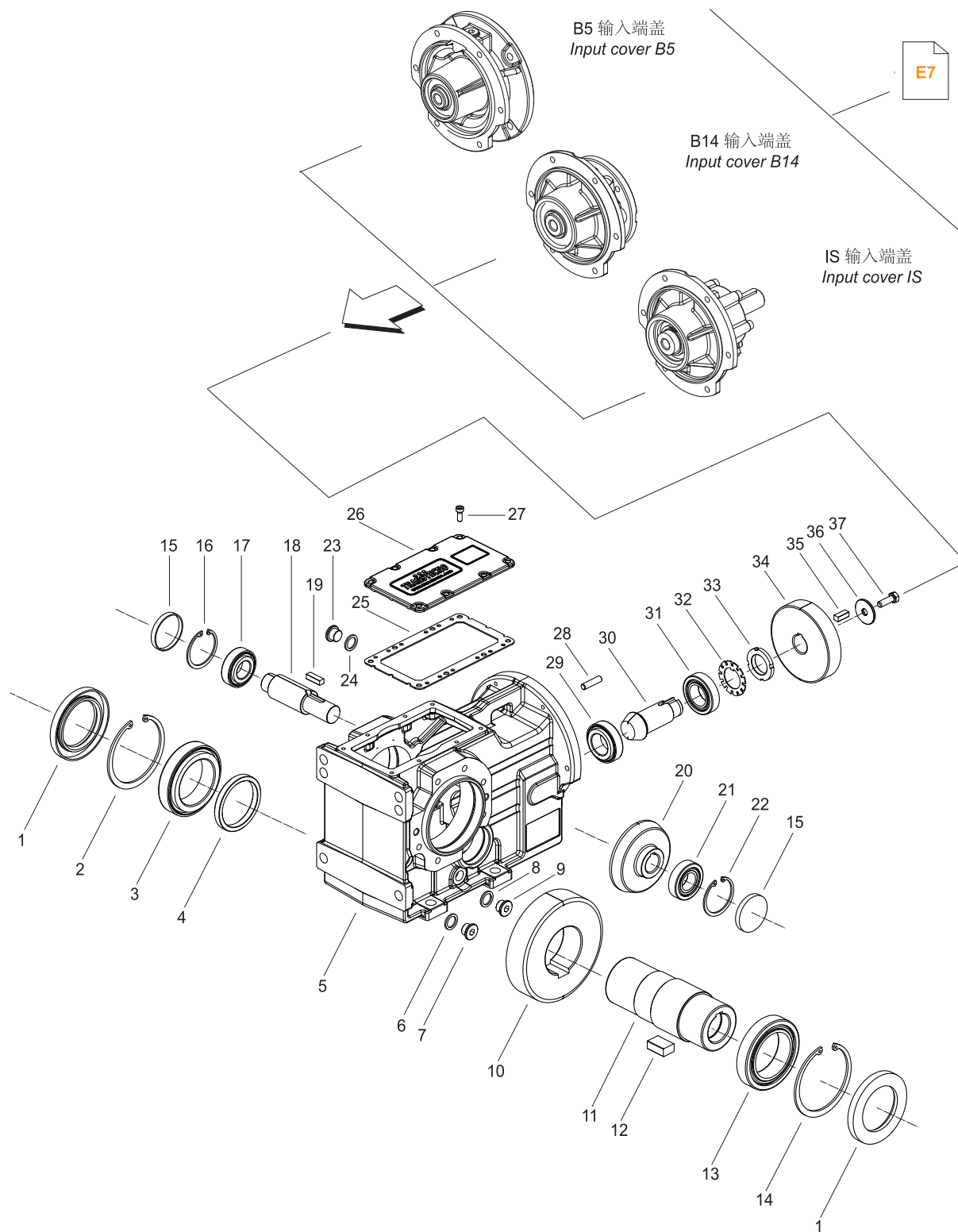
ITH	油封 / Oil seals	RCA
	4	28
112	45/80/10	52x10
122	55/85/10	62x10
132	65/100/10	72x10
142	75/120/10	80x10

ITH..3



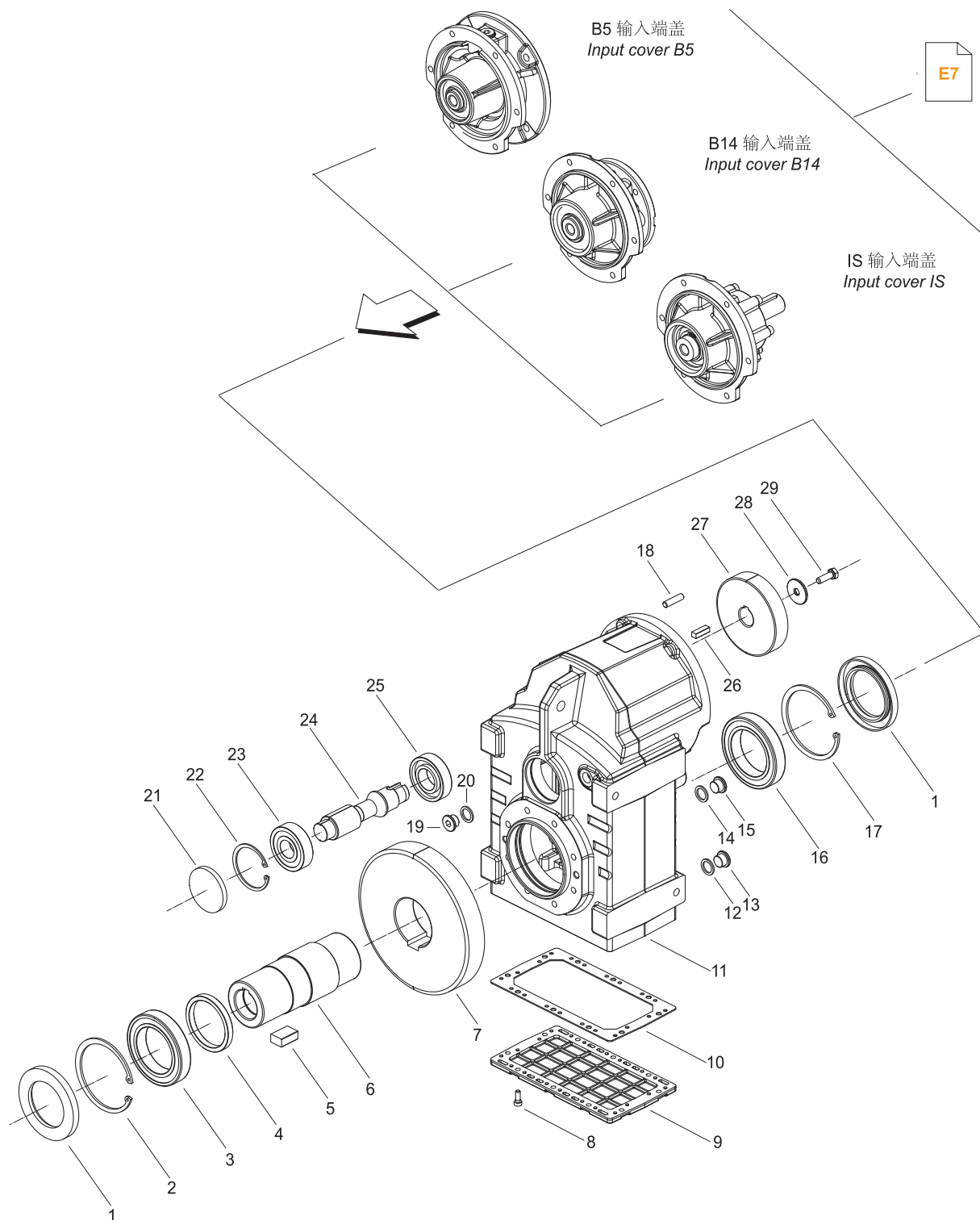
ITH	油封 / Oil seals	RCA
	4	28
113	45/80/10	52x10
123	55/85/10	62x10
133	65/100/10	72x10
143	75/120/10	80x10

ITB ..



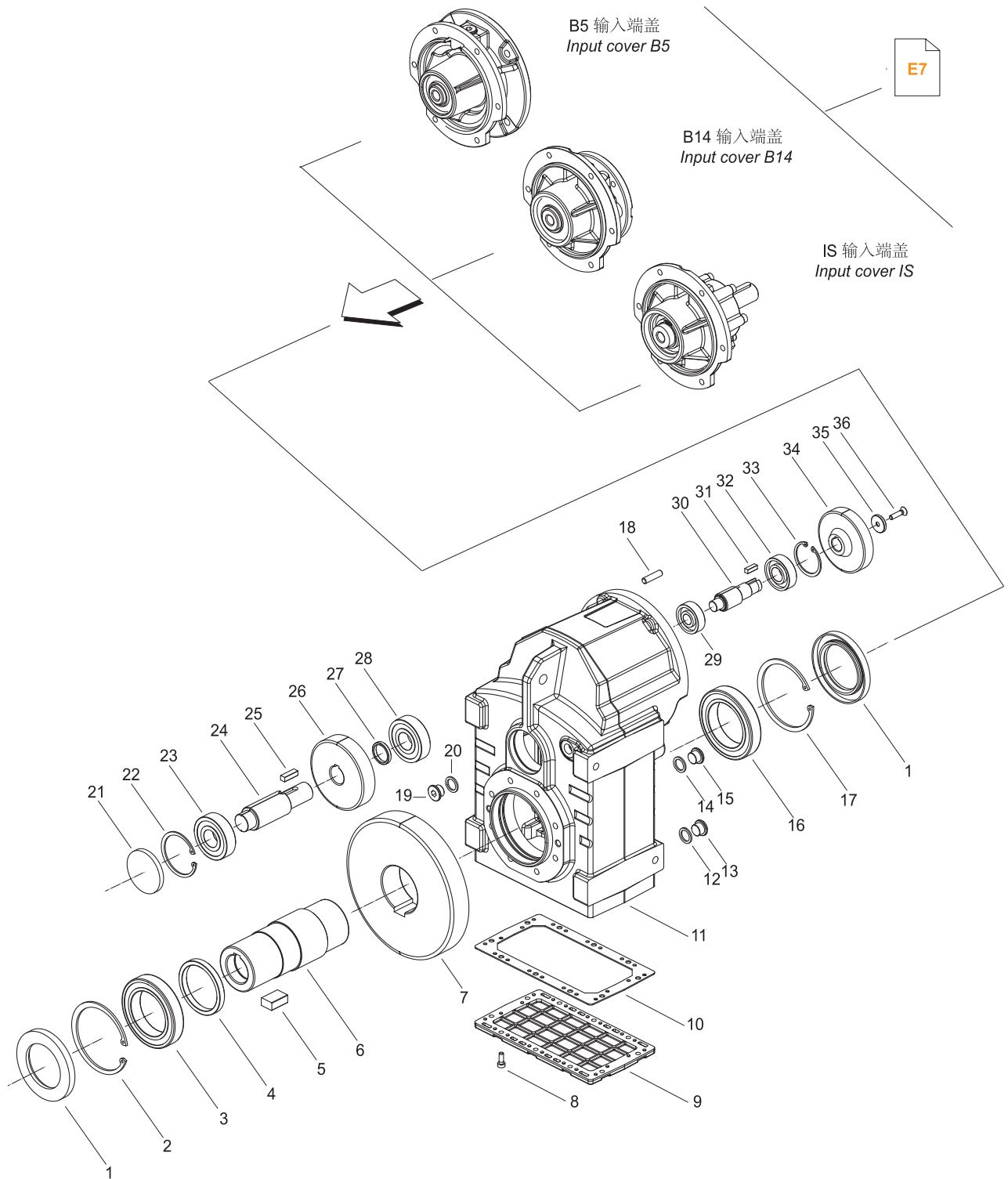
ITB	油封 / Oil seals	RCA
	1	15
423	65/100/10	52x7
433	70/110/12	72x10
443	85/130/10	80x10

ITS ..2



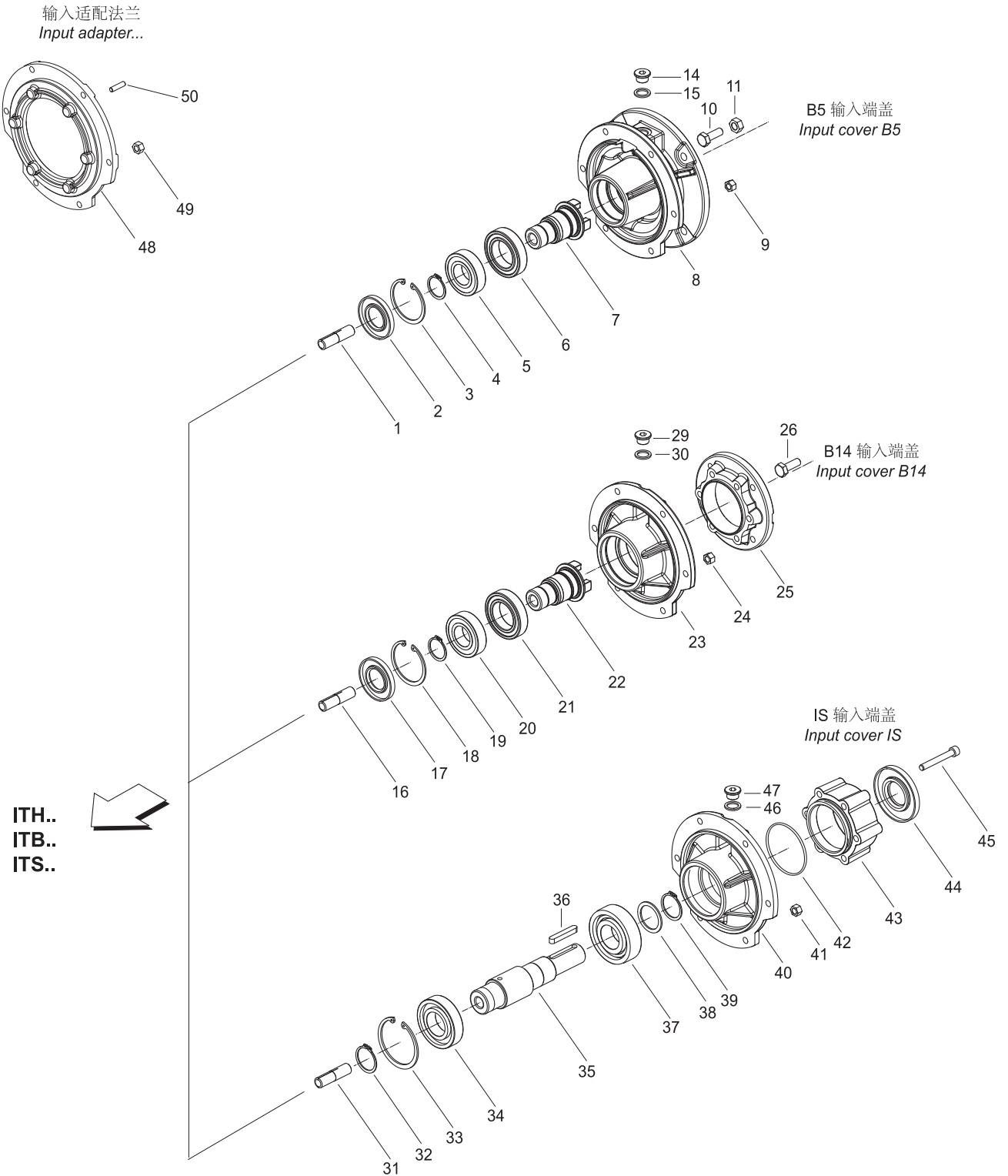
ITS	油封 / Oil seals	
	1	21
922	65/100/10	62x7
932	70/110/12	62x7
942	85/130/10	72x10

ITS ..3



ITS	油封 / Oil seals	
	1	21
923	65/100/10	62x10
933	70/110/12	62x10
943	85/130/10	72x10

输入端盖 - INPUT COVER



IEC B5	油封 / Oil seals
	2
71	30/62/7
80/90	30/62/7
100/112	35/72/7
132	40/80/10
160/180	50/110/12
200	60/130/12

IEC B14	油封 / Oil seals
	17
90	35/72/7
100/112	35/72/7
132	40/80/10

IS	油封 / Oil seals
	44
24	35/80/8
28	35/80/8
38	45/100/10

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