

型号表示方法 / Type Designations

TB 2 S H 10 - 12.5 - A -70- Y15-4P-I-CW 系列类型 传动级数 输出轴结构形式 安装方式 规格代号 公称传动比 装配布置形式 减速机附件 电机功率、级数、接线盒位置 输入轴旋转方向		TB 2 S H 10 - 12.5 - A -70- Y15-4P-I-CW Type Number of stages Output shaft design Mounting position Size Nominal ratio Design Gearbox accessories Motor power, series, terminal box position Direction of rotation of input shaft	
型号说明	上例说明	Explanation of types	Explanation of the above example
系列类型: TH 平行轴 TB 直交轴	直交轴系列	Types: TH Helical TB Bevel-helical	Bevel-helical
传动级数: 1 一级 2 二级 3 三级 4 四级	二级传动	Number of stages: 1 1-stage 2 2-stage 3 3-stage 4 4-stage	2-stage
输出轴结构形式: S 实心轴 H 空心轴 D 带胀紧盘空心轴 F 法兰轴 K(K.G)带渐开线花键空心轴DIN标 (国标)	实心轴输出	output shaft design: S Solid shaft H Hollow shaft D Hollow shaft for shrink disk F Flange shaft K(K.G)With the involute spline hollow shaft DIN standard (GB)	Solid shaft output
安装方式: H 卧式带底脚 M 卧式不带底脚 V 立式 E 垂直安装, 输入轴在上部 F 垂直安装, 输入轴在下部	卧式带底脚安装	Mounting positions: H Horizontal M Horizontal design without feet V Vertical E The vertical installation, the input shaft on the upper F The vertical installation, the input shaft on the lower	Horizontal
规格代号: 1-26号机座	10号机座号	Size: sizes 1-26	Size10
公称传动比: 公称传动比 i_n (见选型参数表)	公称传动比 $i_n=12.5$	Nominal ratio: Nominal ratio i_n (see selection table)	Nominal ratio $i_n=12.5$
装配布置形式: A、B、C、D等 (见405-406页) 附件见(412) 电机(参见四大系列)	装配布置形式为A (见405-406页) 附件为电机 钟形支座	Design for assemble: A,B,C,D,etc. (see page 405-406)	Design A (see page 405-406)
输入轴旋转方向: 面对输入轴方向看CW为顺时针方向, CCW为逆时针方向, TH省略	输入轴为顺时针方向	Direction of rotation of input shaft: viewing on input shaft: CW-Clockwise, CCW-Counter clockwise, TH's omitted.	Direction of rotation of input shaft is clockwise
TH.... 		TB... 	



TB、TH系列减速器

要求和说明

- ★ 试车前,必须认真阅读设备使用说明书。
按规定加好润滑油。
- ★ 给出的加油量只作为参考值,实际油量
应以油尺上的标记为准。
- ★ 为防止发生事故,所有旋转部位应按安
全规定加罩防护。
- ★ 基础螺栓的最低性能等级为8.8级,有
水平垫板并进行防腐处理。
- ★ 样本中的附图只属范例,并不要求严格
一致,所注尺寸可能有所变动。有关参数
可能改进。
- ★ 所注重量仅为平均值,不要求严格一致。

有关符号说明如下:



= 油 尺



=通 气 孔



=加 油 孔



=放 油 孔

TB、TH series Gear Units

Requirement and Specification

- ★ Prior to commissioning, the operating
instructions must be observed.
Lubricated it accord with specification.
- ★ The oil volume given is only for reference,
the actual oil volume will be object to the
mark on the oil dipstick.
- ★ To prevent accidents, all rotating parts
should be guarded according to safety
regulation.
- ★ Foundation bolts of min. property class
8.8, it has levelling pads and treated with
anti-corrosion.
- ★ The attached picture is only example, not
require accordance, the noted dimension
may be changed. Some parameters may
be improved.
- ★ The noted weight is only average value,
not require accordance.

The signs specification is as following:



= Oil dipstick



= Breather



= Oil filler



= Oil-out drain

TB、TH系列减速器

选型指南

减速器的承载能力受机械强度和热平衡许用功率两方面的限制, 选用减速器时必须通过这两项功率核算。

1) 计算传动比

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

式中:

i_s —要求的传动比

n_1 —输入转速 (r/min)

n_2 —输出转速 (r/min)

2) 确定减速器的额定功率, 应满足:

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

式中:

P_N —减速器额定功率 (见额定功率表)

P_2 —载荷功率 (即工作机所需功率)

f_1 —工作机系数 (见表1)

f_2 —原动机系数 (见表2)

f_3 —减速器安全系数 (见表3)

f_4 —启动系数 (见表4)

3) 校核最大扭矩, 如峰值工作扭矩, 启动扭矩或制动扭矩应满足要求:

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

式中:

T_A —输入轴最大扭矩, 如峰值工作扭矩、启动扭矩、制动扭矩 (N.m)

f_5 —峰值扭矩系数 (见表5)

4) 检查输出轴上是否允许有附加载荷, 许用附加径向力见 330-331 页。

5) 检查实际传动比*i*是否满足要求, 实际传动比*i*见 433-436 页。

6) 确定供油方式

减速器卧式安装时采用浸油飞溅润滑,

也可按用户要求提供强制润滑方式。

立式安装时可选浸油润滑或强制润滑。

(有关合适的供油方式和选择请咨询)

TB、TH series Gear Units

Guidelines for the Selection

The loading capacity of gear units is restricted by the permissible powers of mechanical tension and the thermal balance, it should meet the following powers in selecting:

1) Calculate the transmission ratio:

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

i_s —the required transmission ratio

n_1 —the input speed (r/min)

n_2 —the output speed (r/min)

2) Determine the nominal power ratings of gear units:

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

P_N — the nominal power ratings of gear units (see nominal power ratings table)

P_2 — loading power (the required power of driven machine)

f_1 — factor for driven machine (see table 1)

f_2 — factor for prime mover (see table 2)

f_3 — safety factor for gear units (see table 3)

f_4 — starting factor (see table 4)

3) Check the max. torque, the peak operating-, starting- or braking torque should meet the following requirement:

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

T_A — the max. torque of input shaft, such as peak operating-, starting- or braking torque,

f_5 — peak torque factor (see table 5)

4) Check whether it permits the additional force of output shaft, for the permissible additional radial force see pages 330-331 .

5) Check whether the actual transmission ratio meets the requirement, the actual transmission ratio see pages 433-436 .

6) Determine the lubrication mode

Dip lubrication should be provided in horizontal, also can provide forced lubrication on request.

Dip lubrication or forced lubrication can be provided in vertical .(please consult the suitable oil supplying and type selecting.



TB、TH系列减速器 选型指南

7) 校核热平衡功率

a. 减速器不带辅助冷却装置, 应满足:

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7 \times f_8$$

式中:

P_G — 减速器热功率

P_{G1} — 无辅助冷却装置时的热功率

(见热功率表)*

f_6 — 环境温度系数 (见表6)

f_7 — 海拔高度系数 (见表7)

f_8 — 立式安装供油系数 (见表8)

b. 减速器带有冷却风扇装置时应满足:

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7 \times f_8$$

式中:

P_{G2} — 带冷却风扇装置时的热功率

(见热功率表)*

例: 高炉输送碎料的胶带输送机减速器, 电动机转速 $n_1=1350\text{r/min}$, 负载功率 (减速器输出功率) $P_2=380\text{kW}$, 尖峰载荷 $T_A=5370\text{N}\cdot\text{m}$, 轴伸仅承受转矩, 每日工作24h, 每小时起动次数少于5次, 每小时工作周期 $ED=40\%$, 环境温度 $t=30^\circ\text{C}$, 海拔高度 $\leq 300\text{m}$, 安装在露天高台上。要求直交轴型式, 实心输出轴位于减速器右侧 (面对输入轴看即布置形式C), 输入轴转向为顺时针方向 (面对输入轴看)。要求输出转速 $n_2=69.5\text{r/min}$, 卧式安装, 强制润滑。

1) 计算传动比

$$i_s = \frac{n_1}{n_2} = \frac{1350}{69.5} = 19.424$$

2) 确定减速器的额定功率

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

查表1 $f_1=1.5$

查表2 $f_2=1$

TB、TH series Gear Units Guidelines for the Selection

7) Check the power of thermal balance

a. the gear units without auxiliary cooling, should meet:

$$P_2 \leq P_G = P_{G1} \times f_6 \times f_7 \times f_8$$

P_G — the thermal capacities of gear units

P_{G1} — the thermal capacities without auxiliary cooling (see thermal capacities table)*

f_6 — factor for ambient temperature (see table 6)

f_7 — factor for altitude (see table 7)

f_8 — oil supply factor of vertical (see table 8)

b. The gear units with fan cooling should meet:

$$P_2 \leq P_G = P_{G2} \times f_6 \times f_7 \times f_8$$

P_{G2} — thermal capacities with fan cooling (see thermal capacities table)*

Example:

The gear unit of glue feeding machine for conveying flour in blast furnace. The rotate speed of motor $n_1=1350\text{r/min}$, loading power (the output power of gear units) $P_2=380\text{kW}$, peak loading $T_A=5370\text{N}\cdot\text{m}$, output shaft only bears torque, it works 24h per day, the starts per hour is less than 5 times, the operating cycle per hour $ED=40\%$, the ambient temperature $t=30^\circ\text{C}$, the altitude $\leq 300\text{m}$, mounted on high platform in the open. It requires Bevel-helical type, the solid output shaft is located on the right of gear unit (design C viewing on the input shaft), and the direction of rotation of input shaft is clockwise (viewing on input shaft). The output speed $n_2=69.5\text{r/min}$, horizontal, forced lubrication.

1) Calculate the transmission ratio

$$i_s = \frac{n_1}{n_2} = \frac{1350}{69.5} = 19.424$$

2) Determine the nominal power rating of the gear unit

$$P_N \geq P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

Check table 1 $f_1=1.5$

Check table 2 $f_2=1$

*)室内小空间 (风速 $< 1.4\text{ m/s}$) 和室外 (风速 $\geq 4\text{ m/s}$), 请垂询。

*)Calculation consult us when small confined space (wind velocity $< 1.4\text{ m/s}$) or in the open (wind velocity $\geq 4\text{ m/s}$)

TB、TH系列减速器

选型指南

查表3 $f_3=1.75$ (由用途可知系重要设备)

查表4 $f_4=1$

则 $P_N = P_2 \times f_1 \times f_2 \times f_3 \times f_4$

$$= 380 \times 1.5 \times 1 \times 1.75 \times 1 = 997.5 \text{ kW}$$

查额定功率表, 选TB型, 3级传动, 规格15
减速器, $i_N=20$, $n_1=1500\text{r/min}$ 对应的额定功率
为1202kW, 折算出1350r/min时的功率为:

$$P_N = 1202 \times \frac{1350}{1500} \approx 1082 \text{ kW}, \text{满足要求。}$$

3) 校核最大扭矩

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

$$= \frac{5370 \times 1350}{9550} \times 0.5 = 380 \text{ kW}$$

则 $P_N = 1082 \text{ kW} > 380 \text{ kW}$

满足要求

4) 校核热功率

按环境温度 $t=30^\circ\text{C}$, 海拔高度为 300m,
无辅助冷却装置, 露天 (热功率需垂询)

安装条件查表6, 表7, 表8

查热功率表得:

$P_{G1} = 207 \text{ kW}$ (室外, 请垂询)

$f_6 = 1.70$

$f_7 = 1$

$f_8 = 1.05$ (要强制润滑)

$$P_G = P_{G1} \times f_6 \times f_7 \times f_8$$

$$= 207 \times 1.70 \times 1 \times 1.05 = 369 \text{ kW}$$

$$P_2 = 380 \text{ kW} > P_G = 369 \text{ kW}$$

故需加冷却风扇, 满足要求 (计算略)。

故选定TB3SH-15-20-C-CW减速器, 带
冷却风扇。

该减速器轴伸仅承受转矩, 不需校核输出轴
上的附加载荷。

TB、TH series Gear Units

Guidelines for the Selection

Check table 3 $f_3=1.75$ (acc. to the purpose it
can be found the significant equipment)

Check table 4 $f_4=1$

$$P_N = P_2 \times f_1 \times f_2 \times f_3 \times f_4$$

$$= 380 \times 1.5 \times 1 \times 1.75 \times 1 = 997.5 \text{ kW}$$

Check the nominal power ratings table, select TB
type, 3-stage transmission, size 15, $i_N=20$, $n_1=1500\text{r/min}$
the correspond nominal power rating is 1202 KW, the
power is

$$P_N = 1202 \times \frac{1350}{1500} \approx 1082 \text{ kW when converting into}$$

1350r/min, it meets the requirement.

3) Check the max. torque:

$$P_N \geq \frac{T_A \times n_1}{9550} \times f_5$$

$$= \frac{5370 \times 1350}{9550} \times 0.5 = 380 \text{ kW}$$

$P_N = 1082 \text{ kW} > 380 \text{ kW}$

It meets the requirement.

4) Check the thermal capacities:

The ambient temperature $t=30^\circ\text{C}$, the altitude is
300m, without auxiliary cooling, in the open
For the mounting condition check table 6 and table 7,
and table 8.

Check the thermal capacities table is:

$P_{G1} = 207 \text{ kW}$ (in the open, on request)

$f_6 = 1.70$

$f_7 = 1$

$f_8 = 1.05$ (forced lubrication required)

$$P_G = P_{G1} \times f_6 \times f_7 \times f_8$$

$$= 207 \times 1.70 \times 1 \times 1.05 = 369 \text{ kW}$$

$$P_2 = 380 \text{ kW} > P_G = 369 \text{ kW}$$

So cooling fan is needed, meet the requirement,
(calculations omitted)

Select TB3SH-15-20-C-CW gear unit with
cooling fan.

The output shaft of gear unit only bears torque,
Don't need check the additional force on it.



减 速 器 服 务 系 数

表 1		工 作 机 系 数				f ₁				
工 作 机		日 工 作 小 时 数			工 作 机		日 工 作 小 时 数			
		≤0.5h	0.5-10h	>10h			≤0.5h	0.5-10h	>10h	
污 水 处 理	浓缩器(中心传动)	-	-	1.2	金 属 加 工 设 备	可逆式板坯轧机	-	2.5	2.5	
	压滤器	1.0	1.3	1.5		可逆式线材轧机	-	1.8	1.8	
	絮凝器	0.8	1.0	1.3		可逆式薄板轧机	-	2.0	2.0	
	曝气机	-	1.8	2.0		可逆式中厚板轧机	-	1.8	1.8	
	接集设备	1.0	1.2	1.3		键缝调节驱动装置	0.9	1.0	-	
	纵向、回转组合接集装置	1.0	1.3	1.5	输 送 机 械	斗式输送机	-	1.2	1.5	
	预浓缩器	-	1.1	1.3		绞车	1.4	1.6	1.6	
	螺杆泵	-	1.3	1.5		卷扬机	-	1.5	1.8	
	水轮机	-	-	2.0		皮带输送机<150kw	1.0	1.2	1.3	
	离心泵	1.0	1.2	1.3		皮带输送机≥150kw	1.1	1.3	1.5	
1个活塞容积式泵	1.3	1.4	1.8	货用电梯*		-	1.2	1.5		
>1个活塞容积式泵	1.2	1.4	1.5	客用电梯*		-	1.5	1.8		
斗式运输机	-	1.6	1.6	刮板式输送机		-	1.2	1.5		
倾卸装置	-	1.3	1.5	自动扶梯		-	1.2	1.4		
Carteypillar行走机构	1.2	1.6	1.8	轨道行走机构		-	1.5	-		
挖 泥 机	斗轮式挖掘机(用于捡拾)	-	1.7	1.7	起 重 机 械	变频装置	-	1.8	2.0	
	斗轮式挖掘机(用于粗料)	-	2.2	2.2		往复式压缩机	-	1.8	1.9	
	切碎机	-	2.2	2.2		回转机构*	1	1.4	1.8	
	行走机构*	-	1.4	1.8		俯仰机构	1	1.25	1.5	
化 学 工 业	弯板机*	-	1.0	1.0		冷 却 塔	行走机构	1.5	1.75	2
	挤压机	-	-	1.6			提升机构*	1	1.25	1.5
	调浆机	-	1.8	1.8			转臂式起重机*	1	1.25	1.6
	橡胶研光机	-	1.5	1.5			冷却塔风扇	-	-	2.0
	冷却圆筒	-	1.3	1.4		蔗 糖 生 产	风机(轴流和离心式)	-	1.4	1.5
	混料机,用于均匀介质	1.0	1.3	1.4			甘蔗切碎机*	-	-	1.7
	混料机,用于非均匀介质	1.4	1.6	1.7	甘蔗碾磨机		-	-	1.7	
	搅拌机,用于密度均匀介质	1.0	1.3	1.5	甜菜绞碎机		-	-	1.2	
	搅拌机,用于非均匀介质	1.2	1.4	1.6	甜 菜 糖 生 产	榨取机,机械致冷机,蒸煮机	-	-	1.4	
	搅拌机,用于不均匀气体吸收	1.4	1.6	1.8		甜菜清洗机	-	-	1.5	
烘炉	1.0	1.3	1.5	甜菜切碎机		-	-	1.5		
离心机	1.0	1.2	1.3	各种类型**		-	1.8	2.0		
金 属 加 工 设 备	翻板机	1.0	1.0	1.2	造 纸 机 械	碎浆机驱动装置	2.0	2.0	2.0	
	推钢机	1.0	1.2	1.2		离心式压缩机	-	1.4	1.5	
	绕线机	-	1.6	1.6		运货索道	-	1.3	1.4	
	冷床横移架	-	1.5	1.5		往返系统空中索道	-	1.6	1.8	
	辊式矫直机	-	1.6	1.6	索 道 缆 车	T型杆升降机	-	1.3	1.4	
	辊道(连续式)	-	1.5	1.5		连续索道	-	1.4	1.6	
	辊道(间歇式)	-	2.0	2.0		混凝土搅拌机	-	1.5	1.5	
	可逆式轧管机	-	1.8	1.8		破碎机*	-	1.2	1.4	
	剪切机(连续式)*	-	1.5	1.5		回转窑	-	-	2.0	
	剪切机(曲柄式)*	1.0	1.0	1.0		管式磨机	-	-	2.0	
连铸机驱动装置	-	1.4	1.4	水 泥 工 业	选粉机	-	1.6	1.6		
可逆式开坯机	-	2.5	2.5		碾压机	-	-	2.0		

工作机额定功率 P_2 的确定

*)按最大扭矩确定额定功率。

**)检验热功率是绝对必要的。

Gear Units Service Factor

Table 1 Factor for driven machine **f₁**

Driven machines		Effective daily operating period under load in hours			Driven machines		Effective daily operating period under load in hours		
		≤ 0.5h	0.5-10h	> 10h			≤ 0.5h	0.5-10h	> 10h
Waste water treatment	Thickeners(central drive)	-	-	1.2	Metal working mills	Reversing slabbing mills	-	2.5	2.5
	Filter presses	1.0	1.3	1.5		Reversing wire mills	-	1.8	1.8
	Flocculation apparata	0.8	1.0	1.3		Reversing sheet mills	-	2.0	2.0
	Aerators	-	1.8	2.0		Reversing plate mills	-	1.8	1.8
	Raking equipment	1.0	1.2	1.3		Roll adjustment drives	0.9	1.0	-
	Combined longitudinal and rotary rakes	1.0	1.3	1.5	Conveyors	Bucket conveyors	-	1.2	1.5
	Pre-thickeners	-	1.1	1.3		Hauling winches	1.4	1.6	1.6
	Screw pumps	-	1.3	1.5		Hoists	-	1.5	1.8
	Water turbines	-	-	2.0		Belt conveyors <150 kw	1.0	1.2	1.3
	Centrifugal pumps	1.0	1.2	1.3		Belt conveyors ≥150 kw	1.1	1.3	1.5
	1piston positive-displacement pumps	1.3	1.4	1.8		Goods lifts *	-	1.2	1.5
	>1piston positive-displacement pumps	1.2	1.4	1.5		Passenger lifts *	-	1.5	1.8
Dredgers	Bucket conveyors	-	1.6	1.6		Apron conveyors	-	1.2	1.5
	Dumping devices	-	1.3	1.5		Escalators	-	1.2	1.4
	Caterpillar travelling gears	1.2	1.6	1.8		Rail travelling gears	-	1.5	-
	Bucket wheel excavators as pick-up	-	1.7	1.7	Frequency converters		-	1.8	2.0
	Bucket wheel excavators for primitive material	-	2.2	2.2	Reciprocating compressors		-	1.8	1.9
	Cutter heads	-	2.2	2.2	Cranes	Slewing gears *	1	1.4	1.8
	Traversing gears *	-	1.4	1.8		Luffing gears	1	1.25	1.5
Plate bending machines *		-	1.0	1.0		Travelling gears	1.5	1.75	2
Chemical industry	Extruders	-	-	1.6		Hoisting gears *	1	1.25	1.5
	Dough mills	-	1.8	1.8		Derricking jib cranes *	1	1.25	1.6
	Rubber calenders	-	1.5	1.5	Cooling towers	Cooling tower fans	-	-	2.0
	Cooling drums	-	1.3	1.4		Blowers(axial and radial)	-	1.4	1.5
	Mixers for uniform media	1.0	1.3	1.4	Cane sugar production	Cane knives *	-	-	1.7
	Mixers for non-uniform media	1.4	1.6	1.7		Cane mills	-	-	1.7
	Agitators for media with uniform density	1.0	1.3	1.5	Beet sugar production	Beet cossettes macerators	-	-	1.2
	Agitators for media with non-uniform density	1.2	1.4	1.6		Extraction plants,Mechanical refrigerators,Juice boilers,	-	-	1.4
	Agitators for media with non-uniform gas absorption	1.4	1.6	1.8		Sugar beet washing machines	-	-	1.5
	Toasters	1.0	1.3	1.5	Paper machines	Sugar beet cutters	-	-	1.5
	Centrifuges	1.0	1.2	1.3		Of all-kind **	-	1.8	2.0
Metal working mills	Plate tilters	1.0	1.0	1.2	Cableways	Pulper drives	2.0	2.0	2.0
	Ingot pushers	1.0	1.2	1.2		Centrifugal compressors	-	1.4	1.5
	Winding machines	-	1.6	1.6		Material ropeways	-	1.3	1.4
	Cooling bed transfer frames	-	1.5	1.5		To-and fro system aerial ropeways	-	1.6	1.8
	Roller straighteners	-	1.6	1.6		T-bar lifts	-	1.3	1.4
	Roller tables continuous	-	1.5	1.5	Cement industry	Continuous ropeways	-	1.4	1.6
	Roller tables intermittent	-	2.0	2.0		Concrete mixers	-	1.5	1.5
	Roller tables Reversing tube mills	-	1.8	1.8		Breakers *	-	1.2	1.4
	Shears continuous *	-	1.5	1.5		Rotary kilns	-	-	2.0
	Shears crank type *	1.0	1.0	1.0		Tube mills	-	-	2.0
	Continuous casting drivers	-	1.4	1.4		Separators	-	1.6	1.6
	Reversing blooming mills	-	2.5	2.5		Roll crushers	-	-	2.0

Design for power rating of driven machine P₂

*)Designed power corresponding to max.torque.

**)A check for thermal capacity is absolutely essential.



减速器 Gear Units

服务系数 Service Factor

表 2 原动机系数 f_2
Table 2 Factor for prime mover f_2

电机, 液压马达, 汽轮机 Electric motors, hydraulic motors, turbines	1.0
4-6缸活塞发动机 Piston engines 4-6 cylinders	1.25
1-3缸活塞发动机 Piston engines 1-3 cylinders	1.5

表 3 减速器安全系数 f_3
Table 3 Safety factor f_3

重要性 与安全 要求	一般设备, 减速器失效仅引起单机停产且易更换备件	重要设备, 减速器失效引起机组、生产线或全厂停产。	高度安全要求, 减速器失效引起设备、人身事故
Importance and safety request	Ordinary equipment, malfunction only cause accident of single-machine and easily replaced.	Important equipment, malfunction cause the accident of assembling unit, production-line or whole factory.	Safety request highly, malfunction cause the accident of equipment and personal injury.
f_3	1.25-1.5	1.5-1.75	1.75-2.0

表 4 起动系数 f_4 Table 4 Start factor f_4

每小时起动次数 Starts per hour	$f_1 \times f_2 \times f_3$			
	1	1.25 - 1.75	2 - 2.75	≥ 3
f_4				
≤ 5	1	1	1	1
6-25	1.2	1.12	1.06	1
26-60	1.3	1.2	1.12	1.06
61-180	1.5	1.3	1.2	1.12
> 180	1.7	1.5	1.3	1.2

表 5 峰值扭矩系数 f_5 Table 5 Peak torque factor f_5

	每小时峰值负荷次数 Load peak per hour			
	1-5	6-30	31-100	> 100
单向载荷 Steady direction of load	0.5	0.65	0.7	0.85
交变载荷 Alternating direction of load	0.7	0.95	1.10	1.25

表 6 环境温度系数 f_6 Table 6 Thermal factor f_6

不带辅助冷却装置或仅带冷却风扇 Without auxiliary cooling or with fan cooling					
环境温度 Ambient temperature	每小时工作周期(ED)百分比 % Operating cycle per hour (ED) in %				
	100	80	60	40	20
10°C	1.11	1.31	1.60	2.14	3.64
20°C	1.00	1.18	1.44	1.93	3.28
30°C	0.88	1.04	1.27	1.70	2.89
40°C	0.75	0.89	1.08	1.45	2.46
50°C	0.63	0.74	0.91	1.22	2.07

表 7 海拔高度系数 f_7 Table 7 Factor for altitude f_7

不带辅助冷却装置或仅带冷却风扇 Without auxiliary cooling or with fan cooling					
系数 Factor	海拔高度(m) Altitude (meters)				
	高达 Up to 1000	高达 Up to 2000	高达 Up to 3000	高达 Up to 4000	高达 Up to 5000
f_7	1.0	0.95	0.90	0.85	0.80

表 8 立式安装减速器供油系数。对于卧式安装 $f_8=1$; 当采用强制润滑时, $f_8=1.05$
Table 8 Oil supply factors for vertical gear units. For horizontal gear units $f_8=1.0$, and in case of forced lubrication $f_8=1.05$

类型 Type	供油方式 Oil supply	规格 1...12 Sizes 1...12				规格 13...18 Sizes 13...18			
		不带辅助冷却装置 Without auxiliary cooling	带冷却风扇 With fan cooling	带冷却盘管 With cooling coil	带风扇和冷却盘管 With fan and cooling coil	不带辅助冷却装置 Without auxiliary cooling	带冷却风扇 With fan cooling	带冷却盘管 With cooling coil	带风扇和冷却盘管 With fan and cooling coil
TH2.V	浸油润滑 Dip lubrication	0.95	....	....	....	....	....	....	....
TH3.V	强制润滑 Forced lubrication	1.15	....	....	....	1.15	....	....	....
TH4.V									
TB2.V	浸油润滑 Dip lubrication	0.95	0.95	....	....	....	....	....	....
TB3.V	强制润滑 Forced lubrication	1.15	1.10	....	....	1.15	1.10	....	....
TB4.V									

....) 根据用户要求供货) On request

表 9 功率利用率系数 f_9 Table 9 Utilization factor f_9

30%	40%	50%	60%	70%	80%	90%	100%
0.66	0.77	0.83	0.90	0.90	0.95	1.0	1.0

平行轴减速器
额定功率
类型 TH1...
规格 1...19

Helical Gear Units
Nom. Power Ratings
Type TH1...
Sizes 1...19

			额 定 功 率 P _N										Nominal power ratings P _N						kW	
i _N	n ₁ r/min	n ₂ r/min	規 格										Sizes							
			1	3	5	7	9	11	13	15	17	19								
1.25	1500	1200	99	327	880	1671	2702													
	1000	800	66	218	586	1114	1801													
	750	600	50	163	440	836	1351													
1.4	1500	1071	93	303	807	1559	2501													
	1000	714	62	202	538	1039	1667													
	750	536	47	152	404	780	1252													
1.6	1500	938	85	285	737	1395	2318	3929												
	1000	625	57	190	491	929	1545	2618	4123											
	750	469	43	142	368	697	1159	1964	3094											
1.8	1500	833	79	209	672	1326	2128	3611												
	1000	556	53	140	448	885	1421	2410	3860											
	750	417	40	105	336	664	1065	1808	2895											
2	1500	750	73	196	644	1217	1963	3353												
	1000	500	49	131	429	812	1309	2236	3571											
	750	375	37	98	322	609	982	1677	2678	4751										
2.24	1500	670	67	175	589	1087	1754	3087												
	1000	446	45	117	392	724	1168	2055	3283											
	750	335	34	88	295	544	877	1543	2466	4280										
2.5	1500	600	63	163	528	974	1571	2764												
	1000	400	42	109	352	649	1047	1843	3016	4607										
	750	300	31	82	264	487	785	1382	2262	3455										
2.8	1500	536	56	152	471	836	1330	2470												
	1000	357	37	101	314	557	886	1645	2692	4224										
	750	268	28	76	236	418	665	1235	2021	3171	4799									
3.15	1500	476	50	135	419	758	1221	2088	3409											
	1000	317	33	90	279	505	813	1391	2270	3850										
	750	238	25	67	209	379	611	1044	1705	2891	4311									
3.55	1500	423	44	124	368	687	1103	1936	3083											
	1000	282	30	83	245	458	735	1290	2055	3484										
	750	211	22	62	183	342	550	966	1538	2607	3822									
4	1500	375	39	110	330	609	982	1728	2780											
	1000	250	26	73	220	406	654	1152	1853	3194	4529									
	750	188	20	55	165	305	492	866	1394	2402	3406	4823								
4.5	1500	333	29	77	234	481	746	1395	2008	3557										
	1000	222	19	51	156	321	497	930	1339	2371	3394									
	750	167	14	38	117	241	374	699	1007	1784	2553	3777								
5	1500	300	25	66	198	377	644	1059	1712	2790										
	1000	200	16	44	132	251	429	706	1141	1860	2597	3644								
	750	150	12	33	99	188	322	529	856	1395	1948	2733								
5.6	1500	268	17	56	168	320	491	892	1454	2371										
	1000	179	12	37	112	214	328	596	971	1584	2212	2812								
	750	134	9	28	84	160	246	446	727	1186	1656	2105								

卧式安装减速器要求强制润滑

Forced lubrication required on horizontal gear units

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH1...
规格 1...19
 $n_1=750 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH1...
Sizes 1...19
 $n_1=750 \text{ min}^{-1}$

热功率 P _G										Thermal capacities P _G										kW	
in	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																				
		规 格									Sizes										
		1	3	5	7	9	11	13	15	17	19										
1.25	P _{G1}	54.2	77.6	*	*	*															
	P _{G2}		163	385	526	594															
1.4	P _{G1}	52.3	78.3	*	*	*															
	P _{G2}		161	386	532	622															
1.6	P _{G1}	50.9	78.3	*	*	*	*	*													
	P _{G2}		157	379	517	642	885	796													
1.8	P _{G1}	50.8	88.1	*	*	*	*	*													
	P _{G2}		174	368	523	641	924	915													
2	P _{G1}	50	85.6	142	*	*	*	*	*	*	*										
	P _{G2}		167	354	506	629	936	986	*	*	*										
2.24	P _{G1}	46.1	83.3	140	*	*	*	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		159	337	472	608	931	1025	812	*	*										
2.5	P _{G1}	43.8	77	134	*	*	249	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		147	317	444	579	907	1031	900	*	*										
2.8	P _{G1}	42.3	72.8	127	180	*	*	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		137	296	455	598	870	1012	962	789	*										
3.15	P _{G1}	40.2	72.9	137	213	263	*	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		133	293	514	636	928	1085	1203	1159	*										
3.55	P _{G1}	36.4	67.2	135	199	249	*	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		121	286	471	590	858	1026	1176	1194	*										
4	P _{G1}	33.2	61.2	124	182	217	318	*	*	*	*	*	*	*	*	*	*				
	P _{G2}		110	259	421	502	794	953	1120	1181	1131										
4.5	P _{G1}	33.2	67.9	131	191	257	318	414	*	*	*	*	*	*	*	*	*				
	P _{G2}		118	262	421	563	756	989	1205	1260	1268										
5	P _{G1}	29.9	61.7	125	186	238	324	414	*	*	*	*	*	*	*	*	*				
	P _{G2}		107	248	404	508	740	947	1187	1419	1493										
5.6	P _{G1}	29.5	55.2	111	168	228	309	378	*	*	*	*	*	*	*	*	*				
	P _{G2}		95.2	219	361	485	701	852	1077	1304	1568										

* 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

热功率

类型 TH1...

规格 1...19

$n_1=1000 \text{ min}^{-1}$

Helical Gear Units

Thermal Capacities

Type TH1...

Sizes 1...19

$n_1=1000 \text{ min}^{-1}$

		热功率 P _G					Thermal capacities P _G					kW					
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																
		规 格					Sizes										
		1	3	5	7	9	11	13	15	17	19						
1.25	P _{G1}	50.6	63.2	*	*	*											
	P _{G2}		187	402	517	536											
1.4	P _{G1}	48.9	65.4	*	*	*											
	P _{G2}		186	409	534	578											
1.6	P _{G1}	47.6	68.6	*	*	*	*	*									
	P _{G2}		183	412	540	630	729	510									
1.8	P _{G1}	47.5	79.9	*	*	*	*	*									
	P _{G2}		205	410	561	655	821	674									
2	P _{G1}	46.8	78.5	104	*	*	*	*	*	*	*						
	P _{G2}		197	397	549	651	852	757	*	*	*						
2.24	P _{G1}	48.4	78	109	*	*	*	*	*	*	*						
	P _{G2}		189	382	520	645	887	851	523	*	*						
2.5	P _{G1}	45.9	72.8	108	*	*	*	*	*	*	*						
	P _{G2}		175	362	494	621	884	888	621	*	*						
2.8	P _{G1}	44.4	69.6	105	133	*	*	*	*	*	*						
	P _{G2}		164	340	511	649	865	902	707	500	*						
3.15	P _{G1}	42.2	73	127	189	217	*	*	*	*	*						
	P _{G2}		161	348	601	731	1019	1128	1146	1040	*						
3.55	P _{G1}	38.2	67.6	127	178	209	*	*	*	*	*						
	P _{G2}		147	340	553	682	949	1078	1140	1096	*						
4	P _{G1}	34.8	61.9	118	167	189	235	*	*	*	*						
	P _{G2}		134	309	498	585	891	1024	1124	1132	1032						
4.5	P _{G1}	34.8	69.7	129	183	238	267	304	*	*	*						
	P _{G2}		144	316	504	667	872	1107	1289	1307	1274						
5	P _{G1}	31.4	63.9	125	184	228	290	340	*	*	*						
	P _{G2}		131	301	488	608	869	1087	1317	1541	1585						
5.6	P _{G1}	31	57.2	111	166	220	277	311	*	*	*						
	P _{G2}		116	266	435	581	823	978	1195	1416	1665						

* 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

**) Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH1...
规格 1...19
 $n_1=1500 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH1...
Sizes 1...19
 $n_1=1500 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW	
in	热功率取决于冷却方式：P _{G1} ：无辅助冷却装置；P _{G2} ：带冷却风扇																						
	Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																						
		规 格										Sizes											
		1		3		5		7		9		11		13		15		17		19			
1.25	P _{G1}	44.3		*		*		*		*													
	P _{G2}			210		372		408		*													
1.4	P _{G1}	42.8		*		*		*		*													
	P _{G2}			212		392		447		375													
1.6	P _{G1}	41.7		*		*		*		*		*		*									
	P _{G2}			213		420		500		495		*		*									
1.8	P _{G1}	41.5		*		*		*		*		*		*									
	P _{G2}			241		435		554		575		*		*									
2	P _{G1}	40.9		*		*		*		*		*		*		*		*		*			
	P _{G2}			234		427		553		590		509		*		*		*		*			
2.24	P _{G1}	43.3		*		*		*		*		*		*		*		*		*			
	P _{G2}			227		422		544		620		631		*		*		*		*			
2.5	P _{G1}	41.1		*		*		*		*		*		*		*		*		*			
	P _{G2}			211		405		525		614		676		*		*		*		*			
2.8	P _{G1}	39.7		50		*		*		*		*		*		*		*		*			
	P _{G2}			199		384		553		658		705		*		*		*		*			
3.15	P _{G1}	37.7		63.8		*		*		*		*		*		*		*		*			
	P _{G2}			200		415		702		828		1055		1033		816		*		*			
3.55	P _{G1}	34.2		59.8		*		*		*		*		*		*		*		*			
	P _{G2}			183		407		649		778		998		1014		860		678		*			
4	P _{G1}	38.1		56.2		85.1		*		*		*		*		*		*		*			
	P _{G2}			166		374		591		677		964		1012		938		821		623			
4.5	P _{G1}	38.1		66.4		106		135		*		*		*		*		*		*			
	P _{G2}			180		389		611		795		994		1193		1261		1192		1069			
5	P _{G1}	34.4		62.5		111		151		169		*		*		*		*		*			
	P _{G2}			165		373		599		738		1020		1227		1395		1560		1526			
5.6	P _{G1}	33.9		56		98.8		136		163		*		*		*		*		*			
	P _{G2}			146		330		535		704		967		1104		1266		1433		1604			

* 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

额定功率

类型 TH2...

规格 3...26

Helical Gear Units

Nom. Power Ratings

Type TH2...

Sizes 3...26

		额 定 功 率 P _N														Nominal power ratings P _N											kW			
i _N	n ₁ r/min	n ₂ r/min	规 格														Sizes													
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
6.3	1500	238	87	157	262		474		785		1383		2143		3564		4860													
	1000	159	58	105	175		316		524		924		1432		2381		3247		4862											
	750	119	44	79	131		237		393		692		1072		1782		2430		3639											
7.1	1500	211	77	139	232		420		696		1226		1900		3159	3535	4308													
	1000	141	52	93	155		281		465		819		1270		2111	2362	2879	3396	4311	4946										
	750	106	39	70	117		211		350		616		955		1587	1776	2164	2553	3241	3718	4551									
8	1500	188	69	124	207	266	374	472	620	778	1093	1358	1693	2106	2815	3150	3839	4528												
	1000	125	46	82	137	177	249	314	412	517	726	903	1126	1401	1872	2094	2552	3010	3822	4385										
	750	94	34	62	103	133	187	236	310	389	546	679	846	1053	1408	1575	1919	2264	2874	3297	4036	4508								
9	1500	167	61	110	184	236	332	420	551	691	971	1207	1504	1871	2501	2798	3410	4022												
	1000	111	41	73	122	157	221	279	366	459	645	802	1000	1244	1662	1860	2266	2673	3394	3894	4765									
	750	83	30	55	91	117	165	209	274	343	482	600	747	930	1243	1391	1695	1999	2538	2912	3563	3981								
10	1500	150	55	99	165	212	298	377	495	620	872	1084	1351	1681	2246	2513	3063	3613												
	1000	100	37	66	110	141	199	251	330	414	581	723	901	1120	1497	1675	2042	2408	3058	3508	4293	4796								
	750	75	27	49	82	106	149	188	247	310	436	542	675	840	1123	1257	1531	1806	2293	2631	3220	3597								
11.2	1500	134	49	88	147	189	267	337	442	554	779	968	1207	1501	2006	2245	2736	3227												
	1000	89	33	59	98	126	177	224	294	368	517	643	801	997	1333	1491	1817	2143	2721	3122	3821	4268								
	750	67	25	44	74	95	133	168	221	277	389	484	603	751	1003	1123	1368	1614	2049	2350	2876	3213								
12.5	1500	120	44	79	132	170	239	302	396	496	697	867	1081	1345	1797	2010	2450	2890	3669											
	1000	80	29	53	88	113	159	201	264	331	465	578	720	896	1198	1340	1634	1927	2446	2806	3435	3837	4532							
	750	60	22	40	66	85	119	151	198	248	349	434	540	672	898	1005	1225	1445	1835	2105	2576	2877	3392							
14	1500	107	39	71	118	151	213	269	353	443	622	773	964	1199	1602	1793	2185	2577	3272	3753										
	1000	71	26	47	78	100	141	178	234	294	413	513	639	795	1063	1190	1450	1710	2171	2491	3048	3405	4014	4609						
	750	54	20	36	59	76	107	136	178	223	314	390	486	605	809	905	1103	1301	1651	1894	2318	2590	3011	3457						
16	1500	94	34	62	103	133	187	236	310	389	546	679	846	1053	1408	1575	1919	2264	2874	3297										
	1000	63	23	42	69	89	125	158	208	261	366	455	567	706	943	1055	1286	1517	1926	2210	2705	3021	3562	4090						
	750	47	17	31	52	66	94	118	155	194	273	340	423	527	704	787	960	1132	1437	1649	2018	2254	2672	3068						
18	1500	83	30	55	91	117	165	209	274	343	482	600	747	930	1243	1391	1695	1999	2538	2912										
	1000	56	21	37	62	79	111	141	185	232	325	405	504	627	839	938	1143	1349	1712	1964	2404	2686	3166	3635	4573					
	750	42	15	28	46	59	84	106	139	174	244	303	378	471	629	704	858	1012	1284	1473	1803	2014	2375	2726	3430					
20	1500	75	27	49	82	106	149	188	247	310	436	542	675	840	1123	1257	1531	1806	2293	2631										
	1000	50	18	33	55	71	99	126	165	207	291	361	450	560	749	838	1021	1204	1529	1754	2147	2398	2827	3246	4083	4607				
	750	38	14	25	42	54	76	95	125	157	221	275	342	426	569	637	776	915	1162	1333	1631	1822	2120	2435	3062	3455				
22.4	1500	67	25	43	72	95	130	168	217	277	382	484		751		1123		1614		2350										
	1000	45	16	29	48	64	88	113	146	186	257	325		504		754		1084		1579		2158		2921		4146				
	750	33	12	21	35	47	64	83	107	136	188	238		370		553		795		1158		1583		2191		3110				
25	1500	60				85		151		248		434		672																
	1000	40				57		101		165		289		448																
	750	30				42		75		124		217		336																
28	1500	54				74		133		220		383																		
	1000	36				49		89		147		256																		
	750	27				37		66		110		192																		

卧式安装减速器要求强制润滑

Forced lubrication required on horizontal gear units

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH2...
规格 3...26
 $n_1=750 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH2...
Sizes 3...26
 $n_1=750 \text{ min}^{-1}$

热功率 P _G										Thermal capacities P _G										kW							
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																										
		规 格													Sizes												
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
6.3	P _{G1}	43	53.1	68.9		97.9		134		186		*		*		*		*		*		*		*			
	P _{G2}		86.4	116		178		234		354		445		416		449		*		*		*		*			
7.1	P _{G1}	41.2	54.5	70.4		95.2		131		190		*		*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		88.8	118		172		229		359		456		444	439	502	477	*	*	*	*	*	*	*	*		
8	P _{G1}	39.8	52.4	68.6	75.6	92.5	105	129	134	189	216	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		85.2	116	127	168	189	224	232	357	402	462	512	467	469	548	532	*	*	*	*	*	*	*	*		
9	P _{G1}	37.6	50.8	66.7	77.3	89.8	102	125	132	184	220	252	281	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		82.7	113	129	164	184	220	228	349	414	471	531	494	506	603	601	*	*	*	*	*	*	*	*		
10	P _{G1}	36.6	48.1	63.2	75.3	87.1	100	121	128	179	219	249	284	277	286	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		78.2	107	127	157	180	212	225	341	413	468	536	504	524	633	643	*	*	*	*	*	*	*	*		
11.2	P _{G1}	34.6	46.1	60.7	73	88.1	97	115	125	183	211	256	283	276	290	315	321	*	*	*	*	*	*	*	*		
	P _{G2}		75	102	123	159	174	202	219	347	398	482	532	501	529	642	664	*	*	*	*	*	*	*	*		
12.5	P _{G1}	33.8	44.5	59.7	68.9	86.7	92.8	113	121	183	205	247	277	280	288	331	329	411	406	*	*	*	*	*	*		
	P _{G2}		71.7	100	116	155	167	198	210	344	384	460	521	508	522	660	667	*	*	*	*	*	*	*	*		
14	P _{G1}	31.7	42.2	56.5	66	79.8	93.7	110	116	175	208	238	283	272	291	327	344	412	428	*	*	*	*	*	*		
	P _{G2}		67.8	95.1	111	143	169	192	201	327	391	442	532	492	528	649	684	*	*	*	*	*	*	*	*		
16	P _{G1}	29.2	38.7	53	64.8	74.7	92.3	104	113	164	208	218	272	275	282	319	339	404	427	463	*	*	*	*	*		
	P _{G2}		62	88.5	107	133	164	180	195	307	386	405	507	497	509	627	669	*	*	*	*	*	*	*	*		
18	P _{G1}	28.5	37	50.7	61.3	71.5	84.6	97.9	109	152	198	220	261	261	286	317	330	406	418	462	473	*	*	*	*		
	P _{G2}		59	84.7	102	128	150	170	189	287	366	411	485	471	514	619	647	*	*	*	*	*	*	*	*		
20	P _{G1}	26.6	36.2	47.5	57.4	66.6	80	94.8	103	147	185	207	239	251	270	311	328	395	418	450	474	*	*	*	*		
	P _{G2}		57.5	79.2	94.8	119	140	163	177	276	341	384	441	448	484	606	634	*	*	*	*	*	*	*	*		
22.4	P _{G1}	26.4	33.4	44.1	54.8	64.2	76.1	87	97.1	137	171		240		258		322		405		454	*		*			
	P _{G2}		53.2	73.2	90.8	114	135	151	166	256	317		442		458		616		*		*	*	*	*			
25	P _{G1}				51.4		71.1		94		166		225														
	P _{G2}				84.7		124		160		305		411														
28	P _{G1}				47.7		68.4		87		154																
	P _{G2}				78.4		120		149		283																

* 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

热功率

类型 TH2...

规格 3...26

 $n_1=1000 \text{ min}^{-1}$

Helical Gear Units

Thermal Capacities

Type TH2...

Sizes 3...26

 $n_1=1000 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW					
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																										
		规 格													Sizes												
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
6.3	P _{G1}	44.1	54.1	66.5		90.3		116		134		*		*		*		*		*		*		*			
	P _{G2}		106	143		221		293		450		579		563		625		*		*		*		*			
7.1	P _{G1}	42.2	56.1	69		89.8		117		145		*		*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		109	146		214		286		454		588		591	589	683	659	*	*	*	*	*	*	*	*		
8	P _{G1}	40.8	54.4	68.3	74.5	89.1	99	118	120	152	161	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		104	142	157	208	235	279	290	449	509	591	656	613	620	733	719	*	*	*	*	*	*	*	*		
9	P _{G1}	38.5	53.4	67.9	78.1	89.3	100	120	124	160	182	195	212	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		101	139	159	202	228	272	283	437	520	594	672	635	655	786	789	*	*	*	*	*	*	*	*		
10	P _{G1}	39.6	51.1	65.4	77.4	88.3	100	119	125	164	193	209	234	200	198	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		95.7	131	156	193	222	262	278	424	516	587	673	640	668	812	830	*	*	*	*	*	*	*	*		
11.2	P _{G1}	37.5	49.3	63.4	76	90.7	99	116	124	173	195	226	247	218	222	229	223	*	*	*	*	*	*	*	*		
	P _{G2}		91.7	126	151	196	214	249	270	430	495	601	665	632	669	815	847	*	*	*	*	*	*	*	*		
12.5	P _{G1}	36.7	47.8	63	72.3	90.2	95.6	116	122	178	194	226	252	235	235	260	250	301	289	*	*	*	*	*	*		
	P _{G2}		87.6	123	142	191	205	244	259	425	475	572	648	637	656	833	844	*	*	*	*	*	*	*	*		
14	P _{G1}	34.3	45.5	60	69.8	83.8	97.7	114	119	173	202	225	266	240	252	274	281	328	333	*	*	*	*	*	*		
	P _{G2}		82.9	116	135	175	207	236	247	403	483	547	659	614	659	814	860	*	*	*	*	*	*	*	*		
16	P _{G1}	31.7	41.8	56.6	68.9	79	97	108	117	166	206	212	263	252	254	280	292	341	354	336	*	*	*	*	*		
	P _{G2}		75.7	108	131	163	201	221	240	377	476	501	626	617	634	782	837	*	*	*	*	*	*	*	*		
18	P _{G1}	30.9	40.1	54.4	65.7	76.1	89.7	103	114	156	200	219	259	248	268	292	299	362	368	367	352	*	*	*	*		
	P _{G2}		72.1	103	124	157	184	208	231	352	450	506	598	583	638	768	805	*	*	*	*	*	*	*	*		
20	P _{G1}	28.8	39.3	51.1	61.7	71.3	85.2	100	109	152	189	208	239	242	258	293	304	361	378	373	372	*	*	*	*		
	P _{G2}		70.2	96.8	115	145	172	200	217	339	419	473	543	554	599	751	787	*	*	*	*	*	*	*	*		
22.4	P _{G1}	28.7	36.4	47.5	59	68.7	81.1	92.3	102	142	175		241		248		300		369		362		*		*		
	P _{G2}		64.9	89.4	111	139	165	185	203	314	390		544		566		764		*		*		*		*		
25	P _{G1}				55.3		75.8		99.4		170		227														
	P _{G2}				103		152		196		374		506														
28	P _{G1}				51.5		73.3		92.5		160																
	P _{G2}				95.8		146		182		347																

* 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

**) Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH2...
规格 3...26
 $n_1=1500 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH2...
Sizes 3...26
 $n_1=1500 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW					
in	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																										
		规 格													Sizes												
	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
6.3	P _{G1}	40.4	48.5	48.8		*		*		*		*		*		*		*		*		*		*			
	P _{G2}		132	172		256		322		428		442		*		*		*		*		*		*			
7.1	P _{G1}	41.7	51.6	53.9		*		*		*		*		*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		137	177		252		323		453		493		338	*	*	*	*	*	*	*	*	*	*	*		
8	P _{G1}	40.3	51.4	56.4	59.2	64.9	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		132	175	191	249	276	322	328	469	501	537	580	422	390	*	*	*	*	*	*	*	*	*	*		
9	P _{G1}	38.1	52.4	60.5	67.8	73.2	77.2	86.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		129	174	198	248	275	324	333	484	553	600	666	541	530	584	542	*	*	*	*	*	*	*	*		
10	P _{G1}	41.4	51.4	61.1	70.9	77.7	84.2	96	95.3	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		123	165	196	241	273	320	335	489	577	631	715	612	617	710	691	*	*	*	*	*	*	*	*		
11.2	P _{G1}	39.1	50.4	61.2	72.2	83.4	88	99.9	103	119	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		118	160	191	246	267	309	331	509	572	674	738	648	669	784	787	*	*	*	*	*	*	*	*		
12.5	P _{G1}	38.3	49.5	62.1	70.5	85.6	88.3	104	106	135	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		113	157	181	242	258	305	322	512	562	660	742	685	691	851	840	*	*	*	*	*	*	*	*		
14	P _{G1}	35.9	47.6	60.4	69.5	81.7	93.2	106	108	142	153	*	*	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		108	150	174	224	263	298	310	494	583	647	774	686	726	875	906	*	*	*	*	*	*	*	*		
16	P _{G1}	33.1	44.1	57.8	69.8	78.6	94.9	104	110	144	169	160	193	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		98.9	140	169	210	257	281	303	469	583	603	751	710	721	873	919	*	*	*	*	*	*	*	*		
18	P _{G1}	34	42.7	56.4	67.6	77.3	89.8	101	111	143	175	181	209	170	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		94.4	134	162	202	237	266	296	443	560	621	731	690	748	888	919	*	*	*	*	*	*	*	*		
20	P _{G1}	31.7	42	53.3	64	73.1	86.3	100	107	142	170	179	202	179	182	*	*	*	*	*	*	*	*	*	*		
	P _{G2}		92.1	126	150	188	222	257	278	428	525	586	670	665	712	882	915	*	*	*	*	*	*	*	*		
22.4	P _{G1}	31.5	38.9	49.7	61.3	70.7	82.4	92.6	101	133	159		206		179		*	*	*		*		*		*		
	P _{G2}		85.2	116	144	181	213	239	261	397	489		673		676		893	*	*		*		*		*		
25	P _{G1}				57.6	77.2		98.9		155	195																
	P _{G2}				134	197		252		470	627																
28	P _{G1}				54.1	75.5		93.4		150																	
	P _{G2}				125	190		235		439																	

* 敬请垂询

** 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

** Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

额定功率

类型 TH3...

规格 5...26

Helical Gear Units

Nom. Power Ratings

Type TH3...

Sizes 5...26

		额 定 功 率 P_N											Nominal power ratings P_N															
i_N	n_1 r/min	n_2 r/min	规 格											Sizes											kW			
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
22.4	1500	67										617		1073		1403		2105		2947								
	1000	45										415		721		942		1414		1979		2638		3769				
	750	33										304		529		691		1037		1451		1979		2827				
25	1500	60	69		129		214		377		553		961	1087	1257	1508	1885	2168	2639	2953	3518	4020						
	1000	40	46		86		142		251		369		641	725	838	1005	1257	1445	1759	1969	2345	2680	3350	3769				
	750	30	35		64		107		188		276		481	543	628	754	942	1084	1319	1476	1759	2010	2513	2827				
28	1500	54	62		116		192		339		498	616	865	978	1131	1357	1696	1951	2375	2658	3166	3618	4523					
	1000	36	41		77		128		226		332	411	577	652	754	905	1131	1301	1583	1772	2110	2412	3015	3392				
	750	27	31		58		96		170		249	308	433	489	565	679	848	975	1187	1329	1583	1809	2261	2544				
31.5	1500	48	55	73	103	128	171	216	302	377	442	548	769	870	1005	1206	1508	1734	2111	2362	2814	3216	4020	4523				
	1000	32	37	49	69	85	114	144	201	251	295	365	513	580	670	804	1005	1156	1407	1575	1876	2144	2680	3015				
	750	24	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867	1055	1181	1407	1608	2010	2261				
35.5	1500	42	48	64	90	112	150	189	264	330	387	479	673	761	880	1055	1319	1517	1847	2067	2462	2814	3518	3958				
	1000	28	32	43	60	75	100	126	176	220	258	320	449	507	586	704	880	1012	1231	1378	1641	1876	2345	2638				
	750	21	24	32	45	56	75	95	132	165	194	240	336	380	440	528	660	759	924	1034	1231	1407	1759	1979				
40	1500	38	44	58	82	101	135	171	239	298	350	434	609	688	796	955	1194	1373	1671	1870	2228	2546	3183	3581				
	1000	25	29	38	54	67	89	113	157	196	230	285	401	453	524	628	785	903	1099	1230	1465	1675	2094	2356				
	750	18.8	22	29	40	50	67	85	118	148	173	215	301	341	394	472	591	679	827	925	1099	1256	1571	1767				
45	1500	33	38	50	71	88	117	149	207	259	304	377	529	598	691	829	1037	1192	1451	1624	1935	2211	2764	3109				
	1000	22	25	33	47	59	78	99	138	173	203	251	352	399	461	553	691	795	968	1083	1290	1474	1842	2073				
	750	16.7	19	25	36	45	59	75	105	131	154	191	268	303	350	420	525	603	734	822	968	1106	1382	1555				
50	1500	30	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1084	1319	1476	1759	2010	2513	2827				
	1000	20	23	30	43	53	71	90	126	157	184	228	320	362	419	503	628	723	880	984	1172	1340	1675	1884				
	750	15	17	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542	660	738	879	1005	1256	1413				
56	1500	27	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975	1187	1329	1583	1809	2261	2544				
	1000	17.9	21	27	38	48	64	81	112	141	165	204	287	324	375	450	562	647	787	881	1049	1199	1499	1686				
	750	13.4	15	20	29	36	48	60	84	105	123	153	215	243	281	337	421	484	589	659	787	899	1124	1265				
63	1500	24	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867	1055	1181	1407	1608	2010	2261				
	1000	15.9	18	24	34	42	57	72	100	125	147	181	255	288	333	400	499	574	699	783	932	1065	1331	1498				
	750	11.9	14	18	26	32	42	54	75	93	110	136	191	216	249	299	374	430	523	586	699	799	998	1124				
71	1500	21	24	32	45	56	75	95	132	165	194	240	336	380	440	528	660	759	924	1034	1231	1407	1759	1979				
	1000	14.1	16	21	30	38	50	63	89	111	130	161	226	255	295	354	443	509	620	694	826	944	1181	1328				
	750	10.6	12	16	23	28	38	48	67	83	98	121	170	192	222	266	333	383	466	522	620	708	886	996				
80	1500	18.8	22	29	40	50	67	85	118	148	173	215	301	341	394	472	591	679	827	925	1102	1259	1574	1771				
	1000	12.5	14	19	27	33	45	56	79	98	115	143	200	226	262	314	393	452	550	615	732	837	1047	1178				
	750	9.4	11	14	20	25	33	42	59	74	87	107	151	170	197	236	295	340	413	463	549	628	785	884				
90	1500	16.7	19	25	35	45	59	75	105	131	154	191	268	303	350	420	507	603	717	822	979	1119	1398	1573				
	1000	11.1	13	17	23	30	39	50	70	87	102	127	178	201	232	279	337	401	477	546	650	743	929	1046				
	750	8.3	10	13	17	22	29	37	52	65	76	95	133	150	174	209	252	300	356	408	488	557	697	785				
100	1500	15		23		40		68		118		171		272		355		526		730		1005		1413				
	1000	10		15		27		45		79		114		181		237		351		487		670		942				
	750	7.5		11		20		34		59		86		136		177		263		365		503		707				
112	1500	13.4		20		35		59		105		153																
	1000	8.9		13		23		39		70		102																
	750	6.7		10		18		29		53		76																

卧式安装减速器要求强制润滑

Forced lubrication required on horizontal gear units

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH3...
规格 5...26
 $n_1=750 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH3...
Sizes 5...26
 $n_1=750 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW			
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																								
		规 格										Sizes													
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
22.4	P _{G1}									193		265		285		353		419		*		*			
	P _{G2}									269		393		406		*		*		*		*			
25	P _{G1}	45.9		68.1		92.9		139		188		259	274	276	294	349	363	429	427	*	*	*	*		
	P _{G2}	62.7		95		130		201		261		381	404	393	418	*	*	*	*	*	*	*	*		
28	P _{G1}	44.1		68.5		92.1		134		181	208	256	268	272	285	343	359	432	438	*	*	*	*		
	P _{G2}	60.2		95.9		129		193		252	289	375	392	387	404	*	*	*	*	*	*	*	*		
31.5	P _{G1}	42.8	49.5	65.6	73	89.7	92.9	130	156	176	203	249	264	265	281	335	353	431	440	*	*	*	*		
	P _{G2}	58.3	67	91.5	101	125	130	186	222	244	280	365	386	376	397	*	*	*	*	*	*	*	*		
35.5	P _{G1}	41.2	47.5	63.6	73.3	86.5	92.2	125	150	171	196	238	258	252	273	326	345	426	437	*	*	*	*		
	P _{G2}	56.2	64.3	88.9	101	121	127	179	212	236	271	348	376	357	386	*	*	*	*	*	*	*	*		
40	P _{G1}	38.9	45.8	60.3	70.2	81.7	88.9	120	145	164	190	229	245	242	259	314	335	415	431	*	*	*	*		
	P _{G2}	52.9	62.2	84.1	97	115	124	171	205	226	262	333	357	342	366	*	*	*	*	*	*	*	*		
45	P _{G1}	37.2	44.4	58.1	68	78.6	86.5	119	139	157	183	227	236	239	249	311	323	403	421	*	*	*	*		
	P _{G2}	50.5	60	80.7	94.3	109	120	170	197	216	252	330	342	338	351	*	*	*	*	*	*	*	*		
50	P _{G1}	35.9	41.8	54.7	64.5	76.8	81.7	117	134	154	177	227	235	235	247	306	318	403	409	*	*	*	*		
	P _{G2}	48.7	56.5	76	88.9	107	113	166	190	210	243	326	340	331	347	*	*	*	*	*	*	*	*		
56	P _{G1}	34	40.1	52.1	62	73.1	78.5	108	133	148	169	215	233	224	242	292	313	385	408	*	*	*	*		
	P _{G2}	46	54	72.1	85.4	101	108	154	188	203	231	310	335	316	340	*	*	*	*	*	*	*	*		
63	P _{G1}	32	38.6	48.5	58.6	69	76.6	102	130	140	165	203	222	211	231	273	300	368	389	*	*	*	*		
	P _{G2}	43.2	51.9	67	80.4	95.4	105	145	183	192	225	292	319	298	323	*	*	*	*	*	*	*	*		
71	P _{G1}	31.7	36.6	47.1	55.7	67.5	72.9	100	121	136	159	198	210	203	218	269	279	348	372	*	*	*	*		
	P _{G2}	42.7	49.1	64.8	76.4	93.6	100	140	169	186	216	283	301	285	305	*	*	*	*	*	*	*	*		
80	P _{G1}	30.1	34.5	45.9	52	63.8	68.9	94.7	114	132	150	191	203	195	209	254	275	332	351	*	*	*	*		
	P _{G2}	40.4	46	63.2	71.1	88	94.5	132	159	180	205	272	291	273	292	*	*	*	*	*	*	*	*		
90	P _{G1}	29.7	34.1	43.4	50.3	60.6	67.2	91.4	111	123	145	179	196	184	200	241	260	322	335	*	*	*	*		
	P _{G2}	39.9	45.6	59.7	68.5	83.4	91.8	128	155	168	197	255	279	257	280	*	*	*	*	*	*	*	*		
100	P _{G1}		32.3		49.3		63.8		105		141		184		189		247		326		*		*		
	P _{G2}		43.2		67.1		87.2		146		192		262		263		*		*		*		*		
112	P _{G1}		31.9		46.6		60.6		102		132														
	P _{G2}		42.7		63.4		82.9		141		180														

* 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

热功率

类型 TH3...

规格 5...26

$n_1=1000 \text{ min}^{-1}$

Helical Gear Units

Thermal Capacities

Type TH3...

Sizes 5...26

$n_1=1000 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW			
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling: P _{G1} : without auxiliary cooling; P _{G2} : fan cooling																								
		规 格												Sizes											
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
22.4	P _{G1}									196		258		270		325		350		*		*			
	P _{G2}									303		432		440		*		*		*		*			
25	P _{G1}	49.9		73.5		99.3		145		191		253	265	263	276	323	333	363	343	*	*	*	*		
	P _{G2}	73.4		110		152		230		294		420	443	427	451	*	*	*	*	*	*	*	*		
28	P _{G1}	48		74.2		99		142		186	214	254	264	265	274	326	338	380	370	*	*	*	*		
	P _{G2}	70.7		112		150		222		286	327	417	434	425	441	*	*	*	*	*	*	*	*		
31.5	P _{G1}	46.7	54	71.4	79.1	96.9	100	138	164	184	211	252	265	263	276	327	341	394	389	*	*	*	*		
	P _{G2}	68.5	78.6	107	118	146	151	215	255	279	319	411	432	418	440	*	*	*	*	*	*	*	*		
35.5	P _{G1}	45.2	51.9	69.4	79.7	93.9	99.8	134	159	180	206	244	264	255	274	325	342	404	404	*	*	*	*		
	P _{G2}	66.2	75.6	104	119	142	149	208	246	271	311	395	425	401	433	*	*	*	*	*	*	*	*		
40	P _{G1}	42.7	50.2	66	76.6	88.9	96.5	129	155	174	201	237	253	247	264	317	336	401	407	*	*	*	*		
	P _{G2}	62.3	73.3	98.9	113	134	145	199	238	261	302	380	406	387	412	*	*	*	*	*	*	*	*		
45	P _{G1}	40.8	48.7	63.6	74.3	85.6	94	128	149	167	194	237	245	246	254	316	326	393	402	*	*	*	*		
	P _{G2}	59.6	70.7	95	110	128	141	199	229	250	291	378	390	383	397	*	*	*	*	*	*	*	*		
50	P _{G1}	39.6	46.1	60.1	70.9	84.2	89.4	127	145	166	190	241	249	248	259	320	332	410	410	*	*	*	*		
	P _{G2}	57.5	66.7	89.6	104	126	133	195	222	245	283	378	393	381	399	*	*	*	*	*	*	*	*		
56	P _{G1}	37.6	44.3	57.5	68.4	80.4	86.2	118	145	161	183	232	250	240	258	311	332	401	421	*	*	*	*		
	P _{G2}	54.5	63.9	85.2	100	120	128	181	221	238	271	361	390	367	394	*	*	*	*	*	*	*	*		
63	P _{G1}	35.5	42.7	53.7	64.7	76.2	84.6	113	143	154	180	222	242	230	250	295	324	393	413	*	*	*	*		
	P _{G2}	51.2	61.4	79.4	95.1	112	124	171	216	226	265	343	375	349	378	*	*	*	*	*	*	*	*		
71	P _{G1}	35.1	40.5	52.1	61.6	74.6	80.5	110	133	150	174	216	229	221	237	292	303	373	397	*	*	*	*		
	P _{G2}	50.6	58.1	76.7	90.4	110	119	166	200	219	255	333	353	334	357	*	*	*	*	*	*	*	*		
80	P _{G1}	33.3	38.2	50.9	57.6	70.6	76.1	104	125	145	165	208	222	213	228	277	299	358	377	*	*	*	*		
	P _{G2}	47.9	54.5	74.9	84.1	104	111	156	188	213	241	320	342	321	343	*	*	*	*	*	*	*	*		
90	P _{G1}	32.9	37.8	48.1	55.7	67.1	74.3	100	123	136	160	196	215	201	219	263	283	349	361	*	*	*	*		
	P _{G2}	47.3	54.1	70.7	81.1	98.8	108	151	183	199	233	301	328	302	329	*	*	*	*	*	*	*	*		
100	P _{G1}		35.9		54.6		70.7		116		156		203		208		272		356		*		*		
	P _{G2}		51.2		79.5		103		173		227		310		310		*		*		*		*		
112	P _{G1}		35.5		51.7		67.2		112		146														
	P _{G2}		50.7		75.2		98.3		168		213														

* 敬请垂询

** 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

** Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



平行轴减速器

Helical Gear Units

热功率

Thermal Capacities

类型 TH3...

Type TH3...

规格 5...26

Sizes 5...26

$n_1=1500 \text{ min}^{-1}$

$n_1=1500 \text{ min}^{-1}$

		热功率 P _G															Thermal capacities P _G										kW				
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																														
		规 格															Sizes														
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26								
22.4	P _{G1}									169		193		180		*		*		*		*									
	P _{G2}									346		463		450		*		*		*		*									
25	P _{G1}	52.5		76.1		100		138		167		192	193	180	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	92.4		138		187		275		338		453	470	442	455	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
28	P _{G1}	50.9		77.5		101		137		169	191	206	207	198	196	222	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	89.4		140		186		268		334	380	463	475	455	464	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
31.5	P _{G1}	49.9	57.4	75.3	82.8	100	102	137	159	173	196	217	222	212	216	246	249	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	86.9	99.6	135	148	183	188	263	308	332	377	468	487	463	480	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
35.5	P _{G1}	48.6	55.7	73.9	84.4	98.7	104	135	158	175	198	222	235	221	232	268	276	273	*	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	84.3	96.2	132	150	178	186	257	300	328	374	461	493	459	489	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
40	P _{G1}	46.1	54	70.6	81.4	93.9	101	132	156	172	197	221	232	221	231	272	283	293	269	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	79.5	93.4	125	144	170	182	248	293	318	366	449	476	449	474	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
45	P _{G1}	44.2	52.5	68.2	79.2	90.8	99.1	132	151	166	192	223	227	224	227	276	280	297	278	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	76.1	90.2	120	140	162	177	247	283	306	355	450	460	448	460	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
50	P _{G1}	43.2	50.1	65.2	76.6	90.6	95.9	134	151	171	195	240	246	242	250	304	313	360	344	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	73.8	85.5	114	133	160	169	246	278	306	352	462	479	462	480	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
56	P _{G1}	41.2	48.5	62.7	74.4	87.3	93.4	127	154	170	192	239	256	243	260	310	329	379	387	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	70.1	82.2	109	129	153	164	230	280	300	341	449	484	453	485	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
63	P _{G1}	39.1	47	59	71	83.5	92.5	122	154	166	194	235	255	241	262	307	336	397	411	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	66.1	79.2	102	122	145	160	219	276	288	338	434	473	439	474	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
71	P _{G1}	38.7	44.6	57.3	67.7	81.8	88.2	120	144	162	188	230	243	234	249	306	316	381	400	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	65.3	75	98.9	116	142	153	213	256	279	325	422	447	422	450	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
80	P _{G1}	36.8	42.1	56	63.3	77.6	83.5	113	136	158	178	223	237	227	241	292	315	369	384	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	61.9	70.3	96.6	108	134	143	201	241	272	308	406	434	406	433	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
90	P _{G1}	36.3	41.8	53.1	61.4	73.8	81.6	110	134	148	173	211	231	215	233	280	300	363	372	*	*	*	*	*	*	*	*	*	*	*	
	P _{G2}	61.1	69.8	91.3	104	127	140	194	235	255	298	383	418	384	417	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	
100	P _{G1}		39.7		60.4		78		128		171		221		226		294		379		*		*		*		*		*		
	P _{G2}		66.2		102		133		223		293		397		397		*		*		*		*		*		*		*		
112	P _{G1}		39.3		57.2		74.3		124		161																				
	P _{G2}		65.6		97.3		127		216		274																				

* 敬请垂询

* On request

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器
额定功率
类型 TH4...
规格 7...26

Helical Gear Units
Nom. Power Ratings
Type TH4...
Sizes 7...26

i _N	额定功率 P _N		Nominal power ratings P _N																				kW	
	n ₁ r/min	n ₂ r/min	规格										Sizes											
			7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
100	1500	15	32		53		94		138		240		314		471		660		879		1256			
	1000	10	21		36		63		92		160		209		314		440		586		837			
	750	7.5	16		27		47		69		120		157		236		330		440		628			
112	1500	13.4	29		48		84		123		215	243	281	337	421	484	589	659	785	898	1122	1262		
	1000	8.9	19		32		56		82		143	161	186	224	280	322	391	438	521	596	745	838		
	750	6.7	14		24		42		62		107	121	140	168	210	242	295	330	391	447	559	629		
125	1500	12	26	32	43	54	75	94	111	137	192	217	251	302	377	434	528	591	703	804	1005	1130		
	1000	8	17	21	28	36	50	63	74	91	128	145	168	201	251	289	352	394	469	536	670	753		
	750	6	13	16	21	27	38	47	55	68	96	109	126	151	188	217	264	295	352	402	503	565		
140	1500	10.7	23	29	38	48	67	84	99	122	171	194	224	269	336	387	471	527	627	717	896	1008		
	1000	7.1	15	19	25	32	45	56	65	81	114	129	149	178	223	256	312	349	416	475	594	669		
	750	5.4	12	14	19	24	34	42	50	62	87	98	113	136	170	195	237	266	312	356	446	502		
160	1500	9.4	20	25	33	42	59	74	87	107	151	170	197	236	295	340	413	463	551	629	787	885		
	1000	6.3	14	17	22	28	40	49	58	72	101	114	132	158	198	228	277	310	369	422	527	593		
	750	4.7	10	13	17	21	30	37	43	54	75	85	98	118	148	170	207	231	277	317	395	445		
180	1500	8.3	18	22	30	37	52	65	76	95	133	150	174	209	261	300	365	408	486	556	695	782		
	1000	5.6	12	15	20	25	35	44	52	64	90	101	117	141	176	202	246	276	328	375	469	527		
	750	4.2	9	11	15	19	26	33	39	48	67	76	88	106	132	152	185	207	246	281	352	395		
200	1500	7.5	16	20	27	34	47	59	69	86	120	136	157	188	236	271	330	369	439	502	628	706		
	1000	5	11	13	18	23	31	39	46	57	80	91	105	126	157	181	220	246	293	335	418	471		
	750	3.8	8.2	10	14	17	24	30	35	43	61	69	80	95	119	137	167	187	220	251	314	353		
224	1500	6.7	14	18	24	30	42	53	62	76	107	121	140	168	210	242	295	330	392	449	561	631		
	1000	4.5	10	12	16	20	28	35	41	51	72	82	94	113	141	163	198	221	263	301	376	424		
	750	3.3	7.1	8.8	12	15	21	26	30	38	53	60	69	83	104	119	145	162	197	226	282	318		
250	1500	6	13	16	21	27	38	47	55	68	96	109	126	151	188	217	264	295	351	402	502	565		
	1000	4	8.6	11	14	18	25	31	37	46	64	72	84	101	126	145	176	197	234	268	335	376		
	750	3	6.4	8	11	14	19	24	28	34	48	54	63	75	94	108	132	148	176	201	251	282		
280	1500	5.4	12	14	19	24	34	42	50	62	87	98	113	136	170	195	237	266	316	361	452	508		
	1000	3.6	7.7	9.6	13	16	23	28	33	41	58	65	75	90	113	130	158	177	211	241	301	339		
	750	2.7	5.8	7.2	10	12	17	21	25	31	43	49	57	68	85	98	119	133	158	181	226	254		
315	1500	4.8	10.3	13	17	22	30	38	44	55	77	87	101	121	151	173	211	236	281	321	402	452		
	1000	3.2	7	8.5	11	14	20	25	29	37	51	58	67	80	101	116	141	157	187	214	268	301		
	750	2.4	5.2	6.4	8.5	11	15	19	22	27	38	43	50	60	75	87	106	118	140	161	201	226		
355	1500	4.2	8.6	11	15	19	26	33	39	48	62	76	84	106	128	152	180	207	246	281	351	395		
	1000	2.8	5.7	7.5	9.7	13	17	22	26	32	41	51	56	70	85	101	120	138	164	187	234	263		
	750	2.1	4.3	5.6	7.3	9.5	13	16	19	24	31	38	42	53	64	76	90	103	123	140	176	197		
400	1500	3.8		10.1		17		30		43		63		89		133		185		254		358		
	1000	2.5		6.7		11		20		29		41		58		88		122		167		235		
	750	1.9		5.1		8.6		15		22		31		44		67		93		125		176		
450	1500	3.3		8.6		14		26		38														
	1000	2.2		5.7		9.6		17		25														
	750	1.7		4.4		7.4		13		19														

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH4...
规格 7...26
 $n_1=750 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH4...
Sizes 7...26
 $n_1=750 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW	
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																						
		规 格										Sizes											
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
100	P _{G1}	39.9		55.6		82.5		110		148		166		234		322		*		*			
112	P _{G1}	38.4		53.2		81.9		107		141	152	159	170	224	239	314	325	*	*	*	*		
125	P _{G1}	37.2	42.8	51.5	55.8	78.5	91.3	104	117	136	146	153	163	216	229	304	317	*	*	*	*		
140	P _{G1}	35.3	41	49.8	53.4	75.9	90.4	101	114	131	141	147	157	208	221	288	307	*	*	*	*		
160	P _{G1}	34	39.8	47.1	51.7	72.2	87.1	95.4	111	126	136	141	151	200	213	276	291	*	*	*	*		
180	P _{G1}	32.7	37.8	45.1	50.1	69.6	83.8	92.1	107	124	130	138	145	190	205	272	278	*	*	*	*		
200	P _{G1}	31.4	36.4	43.6	47.3	65.7	80	89.6	102	121	127	133	142	184	195	256	274	*	*	*	*		
224	P _{G1}	29.6	34.8	41.9	45.3	62.9	77	85.4	97.9	112	124	124	137	176	188	244	258	*	*	*	*		
250	P _{G1}	28.3	33.7	40	43.9	59.8	72.7	81.3	95.4	107	115	118	128	167	180	231	246	*	*	*	*		
280	P _{G1}	27.4	31.7	38.8	42.1	57.6	69.9	78.7	90.4	103	109	115	122	161	171	222	233	*	*	*	*		
315	P _{G1}	26.8	30.3	37	40.2	56.1	66.3	75.5	87.1	98.7	106	110	118	157	165	213	224	*	*	*	*		
355	P _{G1}	25.6	29.4	36.3	39	53.4	63.8	72	83.8	97.1	102	107	113	150	161	203	215	*	*	*	*		
400	P _{G1}		28.8		37.2		62.3		80.5		99.6		111		153		205		*		*		
450	P _{G1}		27.4		36.6		59.2		76.8														

* 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

热功率

类型 TH4...

规格 7...26

$n_1=1000 \text{ min}^{-1}$

Helical Gear Units

Thermal Capacities

Type TH4...

Sizes 7...26

$n_1=1000 \text{ min}^{-1}$

热功率 P _G										Thermal capacities P _G										kW					
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																								
		规 格										Sizes													
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
100	P _{G1}	43.6		60.8		90.1		120		161		180		253		346		*		*					
112	P _{G1}	42		58.2		89.4		117		154	166	173	185	243	260	340	350	*	*	*	*				
125	P _{G1}	40.8	46.8	56.4	61.1	85.8	99.7	114	128	149	160	167	177	235	249	330	344	*	*	*	*				
140	P _{G1}	38.7	44.9	54.6	58.5	83	98.9	110	125	144	153	161	171	227	241	313	334	*	*	*	*				
160	P _{G1}	37.2	43.6	51.6	56.7	79	95.3	104	121	138	148	154	165	218	232	301	317	*	*	*	*				
180	P _{G1}	35.8	41.4	49.4	54.9	76.2	91.8	100	118	136	142	151	158	208	224	297	304	*	*	*	*				
200	P _{G1}	34.4	39.9	47.8	51.8	72	87.6	98.2	111	132	139	146	156	201	214	280	300	*	*	*	*				
224	P _{G1}	32.4	38.2	45.9	49.6	69	84.4	93.7	107	123	136	136	151	193	206	268	283	*	*	*	*				
250	P _{G1}	31	37	43.8	48.2	65.6	79.7	89.1	104	117	126	130	141	183	198	253	270	*	*	*	*				
280	P _{G1}	30.1	34.7	42.5	46.2	63.1	76.7	86.3	99.1	113	120	126	133	176	188	243	255	*	*	*	*				
315	P _{G1}	29.4	33.3	40.5	44.1	61.6	72.7	82.8	95.5	108	116	121	130	172	181	233	245	*	*	*	*				
355	P _{G1}	28.1	32.3	39.8	42.8	58.6	69.9	78.9	91.9	106	111	118	124	164	177	222	236	*	*	*	*				
400	P _{G1}		31.6		40.8		68.3		88.3		109		121		168		225		*			*			
450	P _{G1}		30.1		40.1		64.9		84.2																

* 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

**) Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



平行轴减速器
热功率
类型 TH4...
规格 7...26
 $n_1=1500 \text{ min}^{-1}$

Helical Gear Units
Thermal Capacities
Type TH4...
Sizes 7...26
 $n_1=1500 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW	
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																						
		规 格										Sizes											
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
100	P _{G1}	48.7		67.6		99.1		130		172		190		264		348		*		*			
112	P _{G1}	47.1		65.1		99.1		129		167	179	186	198	259	276	352	358	*	*	*	*		
125	P _{G1}	45.8	52.5	63.1	68.3	95.5	110	126	142	163	174	181	192	254	268	348	359	*	*	*	*		
140	P _{G1}	43.5	50.5	61.3	65.6	92.8	110	123	139	158	169	176	188	248	263	336	356	*	*	*	*		
160	P _{G1}	41.9	49.1	58	63.7	88.5	106	116	135	153	164	171	182	240	255	327	342	*	*	*	*		
180	P _{G1}	40.4	46.7	55.8	61.9	85.8	103	113	132	152	159	169	177	232	249	329	335	*	*	*	*		
200	P _{G1}	38.9	45.1	54	58.5	81.3	98.9	110	126	149	157	164	175	226	240	314	335	*	*	*	*		
224	P _{G1}	36.7	43.2	52	56.2	78.1	95.5	106	121	140	154	154	170	219	233	303	321	*	*	*	*		
250	P _{G1}	35.1	41.9	49.6	54.5	74.2	90.2	100	118	132	143	147	159	208	224	287	305	*	*	*	*		
280	P _{G1}	34	39.3	48.2	52.3	71.4	86.8	97.7	112	128	135	143	151	199	213	276	289	*	*	*	*		
315	P _{G1}	33.3	37.6	45.9	49.9	69.7	82.2	93.7	108	122	131	136	147	195	204	264	278	*	*	*	*		
355	P _{G1}	31.8	36.5	45.1	48.5	66.3	79.2	89.4	104	120	126	133	141	186	200	252	267	*	*	*	*		
400	P _{G1}		35.8		46.2		77.3		100		123		138		190		255		*		*		
450	P _{G1}		34		45.4		73.5		95.3														

* 敬请垂询

** 表中数值按:

每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

** Values refer to:

Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

直交轴减速器

额定功率

类型 TB2...

规格 1..18

Bevel-helical Gear Units

Nom. Power Ratings

Type TB2...

Sizes 1..18

			额 定 功 率 P _N										Nominal power ratings P _N										kW	
i _N	n ₁ r/min	n ₂ r/min	规 格										Sizes											
			1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18				
5	1500	300	36	63	97	182	295		559		880		1351		2073									
	1000	200	24	42	65	121	197		373		586		901		1382		2555							
	750	150	18	31	49	91	148		280		440		675		1037		1916							
5.6	1500	268	32	56	87	163	264		500		786		1263		1880									
	1000	179	22	37	58	109	176		334		525		843		1256		2287							
	750	134	16	28	43	81	132		250		393		631		940		1712	1894	2736					
6.3	1500	238	29	50	77	145	234	299	444	556	698	887	1171	1371	1769	2044								
	1000	159	19	33	52	97	157	200	296	371	466	593	783	916	1182	1365	2164	2348						
	750	119	14	25	39	72	117	150	222	278	349	444	586	685	885	1022	1620	1757	2430					
7.1	1500	211	25	44	68	128	208	265	393	493	619	787	1083	1259	1613	1856								
	1000	141	17	30	46	86	139	177	263	329	413	526	723	842	1078	1240	1949	2141	2879					
	750	106	13	22	34	64	104	133	198	248	311	395	544	633	810	932	1465	1609	2164	2553				
8	1500	188	23	39	61	114	185	236	350	439	551	701	994	1161	1516	1732	2598							
	1000	125	15	26	41	76	123	157	233	292	366	466	661	772	1008	1152	1728	1937	2552					
	750	94	11	20	31	57	93	118	175	219	276	350	497	581	758	866	1299	1457	1919	2264				
9	1500	167	20	35	54	101	164	210	311	390	490	623	883	1067	1364	1591	2309	2588						
	1000	111	13	23	36	67	109	139	207	259	325	414	587	709	907	1058	1534	1720	2266	2673				
	750	83	10	17	27	50	82	104	155	194	243	309	439	530	678	791	1147	1286	1695	1999				
10	1500	150	18	31	49	91	148	188	280	350	440	559	793	974	1225	1492	2073	2325						
	1000	100	12	21	32	61	98	126	186	234	293	373	529	649	817	995	1382	1550	2042	2408				
	750	75	9	16	24	46	74	94	140	175	220	280	397	487	613	746	1037	1162	1531	1806				
11.2	1500	134	16	28	43	81	132	168	250	313	393	500	709	870	1094	1368	1852	2077						
	1000	89	11	19	29	54	88	112	166	208	261	332	471	578	727	909	1230	1379	1817	2143				
	750	67	8.1	14	22	41	66	84	125	156	196	250	354	435	547	684	926	1038	1368	1614				
12.5	1500	120	14	25	39			151		280		447		779		1225		1860						
	1000	80	10	17	26			101		187		298		519		817		1240		1927				
	750	60	7.2	13	19			75		140		224		390		613		930		1445				
14	1500	107	13	22	35			134		250		399		695		1092								
	1000	71	8.5	15	23			89		166		265		461		725								
	750	54	6.5	11	18			68		126		201		351		551								
16	1500	94	11	19	31																			
	1000	63	7.3	13	20																			
	750	47	5.4	9.6	15																			
18	1500	83	9	16	26																			
	1000	56	6	11	18																			
	750	42	4.5	7.9	13																			

卧式安装减速器要求强制润滑

Forced lubrication required on horizontal gear units

选型参数表
Selection Table



直交轴减速器

热功率

类型 TB2...

规格 1..18

$n_1=750 \text{ min}^{-1}$

Bevel-helical Gear Units

Thermal Capacities

Type TB2...

Sizes 1..18

$n_1=750 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G								kW	
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																				
		规 格										Sizes									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
5	P _{G1}	28.2	36.9	48.3	50	64.7		90		109		*		*		*					
	P _{G2}	35.4	47	67.9	96.9	134		214		261		439		635		765					
5.6	P _{G1}	27	35.6	46.6	48.6	63.9		87.1		106		167		*		*		*			
	P _{G2}	33.4	45.1	65.4	93	131		200		245		428		626		757		827			
6.3	P _{G1}	25.9	32.1	42.2	47.4	61.6	72.5	82.2	99.8	101	114	157	198	*	*	*	*	*			
	P _{G2}	32.2	40.6	59	90	124	145	186	225	230	261	389	495	573	696	721	782	802			
7.1	P _{G1}	24.8	31.9	41.7	44.8	58.7	71.5	78.2	95.2	97.1	110	159	200	204	244	*	*	*	*		
	P _{G2}	32.9	40.4	58.3	84	117	142	174	212	216	245	381	480	565	683	686	744	771	832		
8	P _{G1}	23	29.6	38.8	42.2	55.6	68.6	74.7	90.3	93.1	105	148	186	194	233	*	*	*	*		
	P _{G2}	29	37.3	54.1	78.8	109	134	164	196	203	230	347	435	517	622	632	706	720	798		
9	P _{G1}	20.2	27.7	37	40.2	52.9	65.1	71.6	85.4	89.7	100	143	186	190	235	230	248	*	*		
	P _{G2}	24.7	34.9	51.3	74.4	103	126	155	184	193	216	331	426	494	612	607	650	694	742		
10	P _{G1}	18.4	23.7	31.8	33.8	49.1	61.3	67.2	81	84.6	95.7	136	172	183	221	222	243	244	*		
	P _{G2}	21.3	29	43.1	61.6	94.9	118	144	172	181	203	310	386	465	559	567	624	656	715		
11.2	P _{G1}	17.6	23	31.2	32.7	44.1	58.3	60.2	77.3	76.4	92.1	122	166	165	214	203	233	227	260		
	P _{G2}	20.5	28.2	41.6	59.4	84.4	111	127	164	160	193	273	368	413	532	510	583	593	676		
12.5	P _{G1}	17	24.4	30.9			54		72		87		157		205		214		241		
	P _{G2}	19.9	29.7	41.9			101		152		181		344		501		524		610		
14	P _{G1}	16.1	21.2	27.6			48		65		78		140		185						
	P _{G2}	19.5	25.8	36.9			90.6		135		161		303		443						
16	P _{G1}	15.4	19.9	25.8																	
	P _{G2}	18.4	24	34.5																	
18	P _{G1}	14.1	18	23.4																	
	P _{G2}	16.9	22	31.2																	

★ 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

★ On request

**) Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

直交轴减速器

热功率

类型 TB2...

规格 1..18

$n_1=1000 \text{ min}^{-1}$

Bevel-helical Gear Units

Thermal Capacities

Type TB2...

Sizes 1..18

$n_1=1000 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G								kW	
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																				
		规 格										Sizes									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
5	P _{G1}	28.9	37.8	49.5	48.3	58.6		77.4		87.1		*		*		*					
	P _{G2}	42.2	56.1	81.1	113	155		246		297		487		684		788					
5.6	P _{G1}	27.7	36.5	47.8	47.7	59.8		78.3		90.2		120		*		*		*			
	P _{G2}	39.9	53.8	78.1	109	153		232		282		481		688		804		859			
6.3	P _{G1}	26.5	32.9	43.3	47	58.7	68.3	75.8	89.9	89.4	98.3	122	142	*	*	*	*	*			
	P _{G2}	38.5	48.5	70.4	105	145	170	216	261	265	300	441	556	637	771	779	838	850			
7.1	P _{G1}	25.4	32.7	42.7	45	57.2	69	74.3	88.9	89.1	99.3	132	158	151	176	*	*	*	*		
	P _{G2}	39.2	48.2	69.5	99	137	166	203	246	250	284	436	546	637	768	756	815	838	897		
8	P _{G1}	23.6	30.3	39.8	42.8	54.8	67.2	72.1	86.1	87.4	97.7	129	155	154	181	*	*	*	*		
	P _{G2}	34.6	44.6	64.6	92.9	128	157	192	229	237	267	400	498	588	705	705	784	793	874		
9	P _{G1}	20.7	28.3	38	41	52.7	64.5	70.2	82.7	85.8	95.3	129	162	159	193	169	176	*	*		
	P _{G2}	29.5	41.7	61.2	87.8	121	148	182	215	226	251	383	490	565	699	684	730	774	823		
10	P _{G1}	19.9	25.7	34.5	34.6	49.3	61.1	66.4	79.2	81.9	91.7	125	153	157	188	172	182	175	*		
	P _{G2}	25.5	34.6	51.5	72.8	111	138	169	202	212	237	359	447	535	642	643	704	737	799		
11.2	P _{G1}	19.1	25	33.8	33.5	44.4	58.4	59.8	76.1	74.5	89	114	150	145	185	162	181	169	187		
	P _{G2}	24.5	33.7	49.7	70.2	99.5	131	150	192	187	226	318	426	476	613	581	662	669	760		
12.5	P _{G1}	18.4	26.4	33.5			54.5		72.2		85.1		145		183		175		186		
	P _{G2}	23.7	35.5	50			119		179		212		400		579		598		691		
14	P _{G1}	17.4	23	29.9			49		65.2		77		131		168						
	P _{G2}	23.3	30.8	44			106		159		189		353		514						
16		16.7	21.6	28																	
		21.9	28.7	41.1																	
18		15.3	19.6	25.4																	
		20.2	26.3	37.2																	

* 敬请垂询

** 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

** Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



直交轴减速器
热功率
类型 TB2...
规格 1..18
 $n_1=1500 \text{ min}^{-1}$

Bevel-helical Gear Units
Thermal Capacities
Type TB2...
Sizes 1...18
 $n_1=1500 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G								kW	
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																				
		规 格										Sizes									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
5	P _{G1}	26.5	34.6	45.3	35.3	*		*		*		*		*		*					
	P _{G2}	54.4	72.3	104.5	139	184		283		328		478		574		486					
5.6	P _{G1}	25.3	33.4	43.7	38.6	*		*		*		*		*		*		*			
	P _{G2}	51.4	69.3	100.6	135	185		274		322		504		646		618		565			
6.3	P _{G1}	24.3	30.1	39.6	40	*	*	*	*	*	*	*	*	*	*	*	*	*			
	P _{G2}	49.6	62.4	90.8	132	178	206	259	308	310	345	479	581	633	753	664	684	646			
7.1	P _{G1}	25.1	32.3	42.2	40.6	44	50.6	*	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}	50.6	62.2	89.6	125	169	204	248	298	299	336	493	601	676	804	720	754	740	760		
8	P _{G1}	23.3	30	39.3	39.9	45.1	53.4	53	*	*	*	*	*	*	*	*	*	*	*		
	P _{G2}	44.6	57.4	83.2	117	160	195	236	280	287	321	463	564	646	768	713	775	756	808		
9	P _{G1}	20.5	28	37.5	39.3	45.7	54.4	55.8	61.6	59.6	*	*	*	*	*	*	*	*	*		
	P _{G2}	38	53.7	78.9	111	153	186	226	266	277	306	452	568	640	785	724	759	782	812		
10	P _{G1}	20.8	26.8	36	33.7	44	53.3	55.1	62.3	60.8	63.9	*	*	*	*	*	*	*	*		
	P _{G2}	32.8	44.6	66.3	92.8	140	174	211	251	261	291	429	525	616	734	698	753	770	818		
11.2	P _{G1}	20	26.1	35.3	33	40.4	52.1	51	61.9	57.7	65.2	*	*	*	*	*	*	*	*		
	P _{G2}	31.6	43.4	64	89.7	125	165	188	240	232	279	382	506	555	709	641	721	714	797		
12.5	P _{G1}	19.2	27.6	35			50.1		61.7		66.9		*		*		*		*		
	P _{G2}	30.6	45.7	64.4			151		224		264		481		681		669		749		
14	P _{G1}	18.2	24	31.3			46		57.4		63.1		*		*						
	P _{G2}	30	39.7	56.7			135		200		236		428		611						
16		17.4	22.5	29.3																	
		28.3	37	53																	
18		16.9	21.5	28																	
		26	33.8	48																	

★ 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

★ On request

**) Values refer to:

Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

选型参数表
Selection Table

直交轴减速器

额定功率

类型 TB3...

规格 3..26

Bevel-helical Gear Units

Nom. Power Ratings

Type TB3...

Sizes 3...26

			额 定 功 率 P _N													Nominal power ratings P _N														
i _N	n ₁ r/min	n ₂ r/min	规 格													Sizes													kW	
			3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
12.5	1500	120		69	118		214		352		635		980		1659		2450													
	1000	80		46	79		142		235		423		653		1106		1634		2094		2848									
	750	60		35	59		107		176		317		490		829		1225		1571		2136									
14	1500	107		67	110		204		331		594		896		1535	1658	2185	2577												
	1000	71		45	73		135		219		394		595		1019	1100	1450	1710	1948	2193	2676									
	750	54		34	55		103		167		300		452		775	837	1103	1301	1481	1668	2036	2290								
16	1500	94		61	100	118	188	212	305	350	551	610	817	960	1398	1516	1969	2264												
	1000	63		41	67	79	126	142	205	235	369	409	548	643	937	1016	1319	1517	1814	2032	2507	2784								
	750	47		31	50	59	94	106	153	175	276	305	408	480	699	758	984	1132	1353	1516	1870	2077								
18	1500	83		56	92	110	172	201	282	326	504	565	739	869	1286	1391	1738	2086												
	1000	56		38	62	74	116	135	191	220	340	381	498	586	868	938	1173	1407	1689	1876	2346	2568								
	750	42		28	47	55	87	102	143	165	255	286	374	440	651	704	880	1055	1267	1407	1759	1926								
20	1500	75	28	52	86	104	161	188	267	309	471	534	691	809	1202	1312	1571	1885												
	1000	50	19	35	58	69	107	125	178	206	314	356	461	539	801	874	1047	1257	1571	1738	2199	2382	2931							
	750	38	14	26	44	53	82	95	135	156	239	271	350	410	609	665	796	955	1194	1321	1671	1810	2198							
22.4	1500	67	25	46	77	97	144	174	239	288	421	505	617	744	1073	1214	1403	1684	2105	2420										
	1000	45	17	31	52	65	97	117	160	193	283	339	415	499	721	815	942	1131	1414	1626	1979	2215	2638	3015						
	750	33	12	23	38	48	71	86	117	142	207	249	304	366	529	598	691	829	1037	1192	1451	1624	1979	2261						
25	1500	60	23	41	69	91	129	160	214	270	377	471	553	685	961	1087	1257	1508	1885	2168										
	1000	40	15	28	46	61	86	107	142	180	251	314	369	457	641	725	838	1005	1257	1445	1759	1969	2345	2680						
	750	30	11	21	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1084	1319	1476	1759	2010						
28	1500	54	20	37	62	82	116	144	192	243	339	424	498	616	865	978	1131	1357	1696	1950	2375									
	1000	36	14	25	41	55	77	96	128	162	226	283	332	411	577	652	754	905	1131	1301	1583	1772	2110	2412	3015					
	750	27	10.2	19	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975	1187	1329	1583	1809	2261					
31.5	1500	48	18	33	55	73	103	128	171	216	302	377	442	548	769	870	1005	1206	1508	1734	2111									
	1000	32	12.1	22	37	49	69	85	114	144	201	251	295	365	513	580	670	804	1005	1156	1407	1575	1876	2144	2680	3015				
	750	24	9	17	28	36	52	64	85	108	151	188	221	274	385	435	503	603	754	867	1055	1181	1407	1608	2010	2261				
35.5	1500	42	15.8	29	48	64	90	112	150	189	264	330	387	479	673	761	880	1055	1319	1517	1847	2067	2462							
	1000	28	11	19	32	43	60	75	100	126	176	220	258	320	449	507	586	704	880	1012	1231	1378	1641	1876	2345	2638				
	750	21	7.9	15	24	32	45	56	75	95	132	165	194	240	336	380	440	528	660	759	924	1034	1231	1407	1759	1979				
40	1500	38	14	26	44	58	82	101	135	171	239	298	350	434	609	688	796	955	1194	1373	1671	1870	2228	2546						
	1000	25	9	17	29	38	54	67	89	113	157	196	230	285	401	453	524	628	785	903	1099	1230	1465	1675	2094	2356				
	750	18.8	7.1	13	22	29	40	50	67	85	118	148	173	215	301	341	394	472	591	679	827	925	1099	1256	1571	1767				
45	1500	33	12	23	38	50	71	88	117	149	207	259	304	377	529	598	691	829	1037	1192	1451	1624	1935	2211	2764					
	1000	22	8.3	15	25	33	47	59	78	99	138	173	203	251	352	399	461	553	691	795	968	1083	1290	1474	1842	2073				
	750	16.7	6.3	12	19	25	36	45	59	75	105	131	154	191	268	303	350	420	525	603	734	822	968	1106	1382	1555				
50	1500	30	11	21	35	46	64	80	107	135	188	236	276	342	481	543	628	754	942	1083	1319	1476	1759	2010	2513	2827				
	1000	20	8	14	23	30	43	53	71	90	126	157	184	228	320	362	419	503	628	723	880	984	1172	1340	1675	1884				
	750	15	6	10.4	17	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542	660	738	879	1005	1256	1413				
56	1500	27	10.2	19	31	41	58	72	96	122	170	212	249	308	433	489	565	679	848	975	1187	1329	1583	1809	2261	2544				
	1000	17.9	6.7	12	21	27	38	48	64	81	112	141	165	204	287	324	375	450	562	647	787	881	1049	1199	1499	1686				
	750	13.4	5.1	9.3	15	20	29	36	48	60	84	105	123	153	215	243	281	337	421	484	589	659	787	899	1124	1265				
63	1500	24	9	17	28	36	50	64	85	108	151	188	221	274	385	435	503	603	754	867	1055	1181	1407	1608	2010	2261				
	1000	15.9	6	11	18	24	33	42	57	72	100	125	147	181	255	288	333	400	499	574	699	783	932	1065	1331	1498				
	750	11.9	4.5	8.2	14	18	25	32	42	54	75	93	110	136	191	216	249	299	374	430	523	586	699	799	998	1124				
71	1500	21	7.9	14.5	24	32	44	56	75	95	132	165	194	240	336	380	440	528	660	759	924	1034	1231	1407	1759	1979				
	1000	14.1	5.3	9.7	16	21	30	38	50	63	89	111	130	161	226	255	295	354	443	509	620	694	826	944	1181	1328				
	750	10.6	4	7.3	12	16	22	28	38	48	67	83	98	121	170	192	222	266	333	383	466	522	620	708	886	996				
80	1500	18.8				28		50		85		148		215		341		472		679		925		1259		1771				
	1000	12.5				18		33		56		98		143		226		314		452		615		837		1178				
	750	9.4				14		25		42		74		107		170		236		340		463		628		884				
90	1500	16.7				24		44		75		131		191																
	1000	11.1				16		29		50		87		127																
	750	8.3				12		22		37		65		95																

选型参数表
Selection Table



直交轴减速器
热功率
类型 TB3...
规格 3..26
 $n_1=750 \text{ min}^{-1}$

Bevel-helical Gear Units
Thermal Capacities
Type TB3...
Sizes 3...26
 $n_1=750 \text{ min}^{-1}$

		热功率 P_G														Thermal capacities P_G											kW	
		热功率取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling: P_{G1} : without auxiliary cooling; P_{G2} : fan cooling																										
i_N		规 格													Sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
12.5	P_{G1}		35.9	48.7		77.4		102		145		188		262		295		*	*	*	*							
	P_{G2}		56.1	79.6		127		174		276		363		511		656		*	*	*	*							
14	P_{G1}		34.9	47.2		74.8		99.5		142		190		253	274	285	322	*	*	*	*							
	P_{G2}		54.5	77		122		168		270		366		491	529	630	704	*	*	*	*							
16	P_{G1}		33.1	45.6	52.9	71.3	83.6	97.1	109	135	161	175	205	250	263	287	297	*	*	*	*							
	P_{G2}		51.8	74.2	85	117	134	165	182	257	298	335	387	482	506	625	645	*	*	*	*							
18	P_{G1}		32.1	44.2	51.3	68.9	80.5	94	100	133	161	176	206	241	261	276	314	*	*	*	*							
	P_{G2}		50.3	71.9	82.3	113	130	159	168	251	298	337	390	462	500	600	670	*	*	*	*							
20	P_{G1}	27.3	30.3	42.3	49.4	66	76.5	90	102	127	150	165	189	234	250	268	288	323	*	371	*		*		*			
	P_{G2}	34.5	47.4	68.9	79.2	108	123	152	172	240	277	315	356	445	477	577	613	715	*	804	*		*		*			
22.4	P_{G1}	27.2	29.6	41.6	47.8	63.8	74.3	87.6	94.8	121	150	159	192	228	241	266	279	322	339	370	383	*	*	*	*			
	P_{G2}	34.5	46.1	67.7	76.8	104	120	148	158	227	277	300	359	432	458	562	589	696	731	785	815	*	*	*	*			
25	P_{G1}	25.4	28.1	39.4	45.9	61.7	71.2	83.7	90.9	115	144	151	179	216	237	254	276	315	337	362	381	*	*	*	*			
	P_{G2}	32.2	43.6	63.9	73.5	100	114	141	151	213	264	282	335	402	443	526	574	664	711	746	794	*	*	*	*			
28	P_{G1}	24.8	27	38.1	45.1	58.6	68.8	79.8	88.5	109	137	144	172	211	224	252	264	307	328	351	371	*	*	*	*			
	P_{G2}	31.2	41.7	61.4	72.2	94.8	110	133	147	202	251	266	318	389	412	513	536	632	677	710	754	*	*	*	*			
31.5	P_{G1}	23.4	25.5	36.1	42.6	55.6	66.3	76.3	84.6	104	129	136	163	198	219	238	260	293	319	334	361	*	*	*	*			
	P_{G2}	29.4	39.5	58	68.1	89.8	106	126	140	191	235	252	298	362	401	479	523	593	646	660	718	*	*	*	*			
35.5	P_{G1}	22.1	24	34	41.1	52.8	63	72.5	80.6	100	123	132	155	191	205	231	247	286	303	323	342	*	*	*	*			
	P_{G2}	27.7	36.9	54.3	65.4	84.8	100	120	132	182	222	241	283	348	372	460	488	572	604	633	667	*	*	*	*			
40	P_{G1}	19.5	21	29.5	39	46.2	60.1	67.8	76.9	94.9	117	124	148	181	198	221	239	272	296	307	331	*	*	*	*			
	P_{G2}	24.3	32.1	46.8	61.9	73.6	95.4	111	126	170	209	227	267	327	358	434	469	537	582	593	640	*	*	*	*			
45	P_{G1}	19.2	20.5	28.7	36.6	44.9	57	62.3	73	87	112	114	141	168	187	205	228	255	282	284	313	*	*	*	*			
	P_{G2}	23.8	31.3	45.6	57.8	71	90	101	119	156	200	207	256	300	336	401	444	498	547	546	599	*	*	*	*			
50	P_{G1}	18.8	20.7	28.6	31.9	44.2	49.9	61.2	68.3	87	106	116	134	172	173	213	211	252	263	306	291	*	*	*	*			
	P_{G2}	23.5	31.5	45	50.1	69.6	78.1	98.8	111	153	187	207	240	302	309	407	409	478	507	572	551	*	*	*	*			
56	P_{G1}	16.8	19.1	26.3	31.1	41	48.4	56.5	63	79.1	97.4	107	123	157	177	197	220	243	259	290	312	*	*	*	*			
	P_{G2}	20.8	28.9	41.5	48.7	64.7	75.6	91.4	101	139	171	189	218	275	310	372	414	458	485	537	576	*	*	*	*			
63	P_{G1}	16.6	18.3	25.3	30.9	39.7	47.8	54.5	61.8	76.3	96.6	103	125	150	162	189	202	235	250	281	295	*	*	*	*			
	P_{G2}	20.2	27.9	39.9	48.1	62.4	74.3	88.2	98.8	133	168	181	219	262	282	355	379	441	466	518	540	*	*	*	*			
71	P_{G1}	15.4	17	24.1	28.5	37.8	44.3	51	57.3	70.6	88.6	96	115	143	155	178	194	222	242	265	286	*	*	*	*			
	P_{G2}	18.6	25.9	37.9	44.3	59.5	68.9	82.5	91.7	123	152	169	199	247	269	333	361	413	449	484	522	*	*	*	*			
80	P_{G1}				27.3		42.8		55.3		84.7		110		148		184		228		270		*		*			
	P_{G2}				42.7		66.6		88.6		146		192		255		338		420		488		*		*			
90	P_{G1}				26		40.7		51.8		78.8		103															
	P_{G2}				40.6		63.3		83		136		179															

* 敬请垂询

** 表中数值按:

每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

** Values refer to:

Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

直交轴减速器

热功率

类型 TB3...

规格 3...26

$n_1=1000 \text{ min}^{-1}$

Bevel-helical Gear Units

Thermal Capacities

Type TB3...

Sizes 3...26

$n_1=1000 \text{ min}^{-1}$

		热功率 P_G														Thermal capacities P_G											kW		
i_n	热功率取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling: P_{G1} : without auxiliary cooling; P_{G2} : fan cooling																												
		规 格														Sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
12.5	P_{G1}		38.1	50.8		79.7		103		140		172		221		235		*		*									
	P_{G2}		66.3	93.9		150		204		321		419		583		742		*		*									
14	P_{G1}		37.1	49.4		77.4		101		139		177		220	233	235	259	*	*	*	*								
	P_{G2}		64.4	90.9		144		198		315		424		562	604	716	798	*	*	*	*								
16	P_{G1}		35.2	47.9	55.4	74	86.2	99.4	110	133	155	165	191	221	227	241	245	*	*	*	*								
	P_{G2}		61.3	87.5	100	137	158	193	214	300	347	388	448	553	579	713	732	*	*	*	*								
18	P_{G1}		34.3	46.5	53.7	71.7	83.2	96.5	102	132	156	167	195	216	230	237	263	*	*	*	*								
	P_{G2}		59.5	84.8	97.1	133	153	187	197	293	347	392	452	531	573	686	763	*	*	*	*								
20	P_{G1}	29.7	32.4	44.6	51.9	68.9	79.4	92.8	105	126	147	159	180	212	223	234	246	271	*	270	*		*		*				
	P_{G2}	41.1	56.1	81.3	93.5	127	145	179	203	280	323	367	413	513	548	662	700	814	*	899	*		*		*				
22.4	P_{G1}	29.5	31.6	44	50.4	66.8	77.4	90.7	97.5	122	148	154	185	210	219	236	243	276	286	279	270	*	*	*	*				
	P_{G2}	41.1	54.6	80	90.7	123	141	175	186	266	324	349	417	498	528	646	675	795	833	881	907	*	*	*	*				
25	P_{G1}	27.6	30.1	41.8	48.6	65	74.7	87.3	94.3	117	144	149	176	204	222	234	250	281	297	292	291	*	*	*	*				
	P_{G2}	38.5	51.7	75.5	86.9	119	134	166	178	250	309	329	390	466	513	607	661	763	816	846	893	*	*	*	*				
28	P_{G1}	26.9	29	40.6	48	62.1	72.7	83.9	92.7	113	140	144	172	205	216	239	248	285	302	301	306	*	*	*	*				
	P_{G2}	37.2	49.4	72.7	85.5	112	130	157	174	238	295	312	373	453	480	596	621	731	782	811	857	*	*	*	*				
31.5	P_{G1}	25.3	27.5	38.6	45.5	59.2	70.3	80.6	89.1	108	133	139	165	196	215	232	250	279	302	299	312	*	*	*	*				
	P_{G2}	35.1	46.8	68.7	80.6	106	125	149	165	225	276	296	350	423	468	557	608	688	749	759	821	*	*	*	*				
35.5	P_{G1}	24	25.9	36.4	44	56.4	67	76.9	85.3	105	128	135	159	192	205	228	241	278	293	297	306	*	*	*	*				
	P_{G2}	33	43.8	64.3	77.5	100	119	141	156	215	262	284	332	407	435	538	569	666	703	731	767	*	*	*	*				
40	P_{G1}	21.1	22.6	31.7	41.8	49.4	64.1	72.1	81.6	99.6	122	128	152	183	199	220	236	267	289	287	302	*	*	*	*				
	P_{G2}	29	38.1	55.5	73.3	87.1	112	131	149	201	246	267	315	383	419	508	548	627	679	686	738	*	*	*	*				
45	P_{G1}	20.8	22.1	30.9	39.3	48	60.9	66.4	77.7	91.6	117	119	147	171	190	206	228	253	278	270	291	*	*	*	*				
	P_{G2}	28.4	37.2	54	68.5	84.1	106	120	140	184	236	244	301	352	395	470	520	582	638	634	692	*	*	*	*				
50	P_{G1}	20.4	22.4	30.8	34.4	47.6	53.6	65.5	73.1	92.4	112	122	141	178	179	219	216	256	267	302	283	*	*	*	*				
	P_{G2}	28	37.4	53.3	59.4	82.5	92.5	117	131	181	221	244	283	356	363	478	481	561	595	668	641	*	*	*	*				
56	P_{G1}	18.2	20.7	28.5	33.6	44.3	52.1	60.7	67.7	84.5	103	113	131	165	186	205	228	251	268	294	312	*	*	*	*				
	P_{G2}	24.8	34.4	49.3	57.8	76.7	89.6	108	120	164	203	223	258	325	365	438	488	540	571	630	675	*	*	*	*				
63	P_{G1}	18	19.9	27.4	33.4	42.8	51.5	58.7	66.5	81.7	103	109	133	159	171	198	211	245	260	287	298	*	*	*	*				
	P_{G2}	24.1	33.1	47.3	57.1	74.1	88.1	104	117	158	198	214	259	309	333	419	447	520	549	608	633	*	*	*	*				
71	P_{G1}	16.7	18.4	26.1	30.8	40.8	47.8	55	61.7	75.7	94.8	103	122	151	164	187	204	232	252	272	291	*	*	*	*				
	P_{G2}	22.2	30.7	44.9	52.6	70.5	81.7	97.8	108	146	180	201	236	292	318	393	426	487	529	569	612	*	*	*	*				
80	P_{G1}				29.5		46.2		59.6		90.7		117		157		193		239		276		*		*				
	P_{G2}				50.6		79		105		173		227		301		400		495		574		*		*				
90	P_{G1}				28.2		44		55.9		84.5		110																
	P_{G2}				48.1		75.1		98.4		161		212																

* 敬请垂询

** 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

** Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



直交轴减速器
热功率
类型 TB3...
规格 3...26
 $n_1=1500 \text{ min}^{-1}$

Bevel-helical Gear Units
Thermal Capacities
Type TB3...
Sizes 3...26
 $n_1=1500 \text{ min}^{-1}$

		热功率 P_G												Thermal capacities P_G												kW	
		热功率取决于冷却方式: P_{G1} : 无辅助冷却装置; P_{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling: P_{G1} : without auxiliary cooling; P_{G2} : fan cooling																									
i_N		规 格												Sizes													
		3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
12.5	P_{G1}		39.4	50.4		76.7		95.4		112		*		*		*		*		*							
	P_{G2}		84.8	118		186		250		377		468		602		728		*		*							
14	P_{G1}		38.6	49.6		75.7		95.2		117		127		*	*	*	*	*	*	*	*						
	P_{G2}		82.6	114		180		244		374		482		598	631	728	792	*	*	*	*						
16	P_{G1}		36.8	48.3	55.4	72.9	83.3	94.3	103	114	125	122	138	*	*	*	*	*	*	*	*						
	P_{G2}		78.6	110	126	172	196	239	262	358	407	445	511	597	615	737	741	*	*	*	*						
18	P_{G1}		35.9	47.2	54.1	71.1	81.1	92.5	96.3	115	129	128	146	*	*	*	*	*	*	*	*						
	P_{G2}		76.4	107	122	167	191	232	243	353	411	454	520	581	617	722	787	*	*	*	*						
20	P_{G1}	31.6	34	45.6	52.6	68.8	78	89.8	100	112	124	126	140	*	*	*	*	*	*	*	*		*		*	*	
	P_{G2}	49.3	72.1	103	118	161	182	223	251	339	385	428	480	568	599	708	736	839	*	813	*		*		*	*	
22.4	P_{G1}	31.4	33.3	45.1	51.4	67.2	76.7	88.6	93.9	110	128	126	148	*	*	*	*	*	*	*	*	*	*	*	*	*	
	P_{G2}	49.3	70.3	101	115	155	177	218	231	324	388	412	489	559	586	702	722	836	864	824	793	*	*	*	*	*	
25	P_{G1}	29.4	31.9	43.3	50.1	66.2	75.2	86.9	92.8	109	130	128	150	153	160	*	*	*	*	*	*	*	*	*	*	*	
	P_{G2}	46	66.7	96.6	110	151	170	209	223	307	375	395	466	537	585	681	732	833	881	841	844	*	*	*	*	*	
28	P_{G1}	28.7	30.9	42.5	50	64.1	74.4	85	93.1	109	131	131	155	168	172	183	182	200	*	*	*	*	*	*	*	*	
	P_{G2}	44.6	63.9	93.3	109	143	165	199	220	296	363	380	452	535	562	689	711	828	878	855	869	*	*	*	*	*	
31.5	P_{G1}	27	29.4	40.7	47.8	61.7	72.7	82.7	90.7	106	129	131	154	170	183	190	199	216	227	*	*	*	*	*	*	*	
	P_{G2}	42	60.7	88.5	103	136	160	190	210	282	344	365	430	508	558	658	712	799	863	831	871	*	*	*	*	*	
35.5	P_{G1}	26.7	27.8	38.6	46.4	59.1	69.8	79.6	87.7	105	125	130	151	173	181	196	203	228	235	*	*	*	*	*	*	*	
	P_{G2}	39.6	56.8	83	99.8	129	152	181	199	271	328	353	412	495	526	644	677	786	825	821	839	*	*	*	*	*	
40	P_{G1}	23.5	24.3	33.7	44.3	52	67.1	75	84.4	100	121	125	147	168	180	194	204	226	240	208	*	*	*	*	*	*	
	P_{G2}	34.7	49.4	71.6	94.6	112	144	168	191	255	310	334	392	469	510	614	657	747	805	783	822	*	*	*	*	*	
45	P_{G1}	23.2	23.8	32.9	41.8	50.8	64	69.4	80.8	93.2	118	117	144	160	176	187	203	221	240	207	206	*	*	*	*	*	
	P_{G2}	34	48.3	69.8	88.5	108	137	154	180	234	298	306	377	434	484	572	629	700	765	733	785	*	*	*	*	*	
50	P_{G1}	22.7	24.2	33	36.8	50.7	56.9	69.3	77	95.8	115	124	142	174	174	210	204	240	247	260	232	*	*	*	*	*	
	P_{G2}	33.6	48.7	69.2	76.9	106	119	151	169	232	281	310	358	445	453	593	594	690	730	799	757	*	*	*	*	*	
56	P_{G1}	20.3	22.4	30.7	36.2	47.5	55.7	64.8	72	88.9	108	117	135	167	186	203	225	245	260	271	279	*	*	*	*	*	
	P_{G2}	29.7	44.8	64	75.1	99.5	116	140	155	211	260	285	330	411	461	552	612	675	712	772	818	*	*	*	*	*	
63	P_{G1}	20.6	21.6	29.5	36	46.1	55.2	62.8	71	86.3	108	114	138	162	173	199	211	243	256	272	275	*	*	*	*	*	
	P_{G2}	28.8	43.2	61.6	74.2	96.2	114	135	151	203	255	275	332	393	422	529	563	654	689	752	776	*	*	*	*	*	
71	P_{G1}	19.1	20	28.2	33.3	43.9	51.4	59	65.9	80.2	99.9	107	127	155	167	190	205	232	251	261	273	*	*	*	*	*	
	P_{G2}	26.5	40	58.5	68.4	91.7	106	126	140	189	232	258	302	372	404	498	539	615	666	707	754	*	*	*	*	*	
80	P_{G1}				31.9		49.7		63.8		95.8		123		161		196		240		262		*		*		
	P_{G2}				65.9		102		136		224		291		384		507		626		710		*		*		
90	P_{G1}				30.5		47.4		60		89.6		115														
	P_{G2}				62.7		97.6		127		208		273														

★ 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

★ On request

**) Values refer to:

Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

直交轴减速器

额定功率

类型 TB4...

规格 5..26

Bevel-helical Gear Units

Nom. Power Ratings

Type TB4...

Sizes 5...26

额 定 功 率 P _N														Nominal power ratings P _N										kW		
i _N	n ₁ r/min	n ₂ r/min	规 格											Sizes												
			5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
80	1500	18.8	22		40		67		118		173		301		394		591		827		1102		1574			
	1000	12.5	14		27		45		79		115		200		262		393		550		732		1047			
	750	9.4	11		20		33		59		87		151		197		295		413		549		785			
90	1500	16.7	19		36		59		105		154		268	303	350	420	525	603	734	822	979	1119	1398	1573		
	1000	11.1	13		24		40		70		102		178	201	232	279	349	401	488	546	650	743	929	1046		
	750	8.3	9.6		18		30		52		76		133	150	174	209	261	300	365	408	488	557	697	785		
100	1500	15	17.3	23	32	40	53	68	94	118	138	171	240	272	314	377	471	542	660	738	879	1005	1256	1413		
	1000	10	12	15	21	27	36	45	63	79	92	114	160	181	209	251	314	361	440	492	586	670	837	942		
	750	7.5	8.6	11.4	16	20	27	34	47	59	69	86	120	136	157	188	236	271	330	369	440	503	628	707		
112	1500	13.4	15	20	29	36	48	60	84	105	123	153	215	243	281	337	421	484	589	659	785	898	1122	1262		
	1000	8.9	10.3	13.5	19	24	32	40	56	70	82	102	143	161	186	224	280	322	391	438	521	596	745	838		
	750	6.7	7.7	10	14	18	24	30	42	53	62	76	107	121	140	168	210	242	295	330	391	447	559	629		
125	1500	12	14	18	26	32	43	54	75	94	111	137	192	217	251	302	377	434	528	591	703	804	1005	1130		
	1000	8	9.2	12	17	21	28	36	50	63	74	91	128	145	168	201	251	289	352	394	469	536	670	753		
	750	6	6.9	9.1	13	16	21	27	38	47	55	68	96	109	126	151	188	217	264	295	352	402	503	565		
140	1500	10.7	12	16.2	23	29	38	48	67	84	99	122	171	194	224	269	336	387	471	527	627	717	896	1008		
	1000	7.1	8.2	11	15	19	25	32	45	56	65	81	114	129	149	178	223	256	312	349	416	475	594	669		
	750	5.4	6.2	8.2	12	14.4	19	24	34	42	50	62	87	98	113	136	170	195	237	266	312	356	446	502		
160	1500	9.4	11	14.3	20	25	33	42	59	74	87	107	151	170	197	236	295	340	413	463	551	629	787	885		
	1000	6.3	7.3	9.6	14	17	22	28	40	49	58	72	101	114	132	158	198	228	277	310	369	422	527	593		
	750	4.7	5.4	7.1	10	13	17	21	30	37	43	54	75	85	98	118	148	170	207	231	277	317	395	445		
180	1500	8.3	9.6	13	18	22	30	37	52	65	76	95	133	150	174	209	261	300	365	408	486	556	695	782		
	1000	5.6	6.5	8.5	12	15	20	25	35	44	52	64	90	101	117	141	176	202	246	276	328	375	469	527		
	750	4.2	4.8	6.4	9	11.2	15	19	26	33	39	48	67	76	88	106	132	152	185	207	246	281	352	395		
200	1500	7.5	8.6	11.4	16	20	27	34	47	59	69	86	120	136	157	188	236	271	330	369	439	502	628	706		
	1000	5	5.8	7.6	11	13.4	18	23	31	39	46	57	80	91	105	126	157	181	220	246	293	335	418	471		
	750	3.8	4.4	5.8	8.2	10	14	17	24	30	35	43	61	69	80	95	119	137	167	187	220	251	314	353		
224	1500	6.7	7.7	10	14.4	18	24	30	42	53	62	76	107	121	140	168	210	242	295	330	392	449	561	631		
	1000	4.5	5.2	6.8	9.7	12	16	20	28	35	41	51	72	82	94	113	141	163	198	221	263	301	376	424		
	750	3.3	3.8	5	7.1	9	12	15	21	26	30	38	53	60	69	83	104	119	145	162	197	226	282	318		
250	1500	6	6.9	9.1	13	16	21	27	38	47	55	68	96	109	126	151	188	217	264	295	351	402	502	565		
	1000	4	4.6	6.1	8.6	11	14	18	25	31	37	46	64	72	84	101	126	145	176	197	234	268	335	376		
	750	3	3.5	4.6	6.4	8	11	14	19	24	28	34	48	54	63	75	94	108	132	148	176	201	251	282		
280	1500	5.4	6.2	8.2	12	14.4	19	24	34	42	50	62	87	98	113	136	170	195	237	266	316	361	452	508		
	1000	3.6	4.1	5.5	7.7	9.6	13	16	23	28	33	41	58	65	75	90	113	130	158	177	211	241	301	339		
	750	2.7	3.1	4.1	5.8	7.2	10	12	17	21	25	31	43	49	57	68	85	98	119	133	158	181	226	254		
315	1500	4.8	5.5	7.3	10.3	13	17	22	30	38	44	55	77	87	101	121	151	173	211	236	281	321	402	452		
	1000	3.2	3.7	4.9	6.9	8.5	11	14	20	25	29	37	51	58	67	80	101	116	141	157	187	214	268	301		
	750	2.4	2.8	3.6	5.2	6.4	8.5	11	15.1	19	22	27	38	43	50	60	75	87	106	118	140	161	201	226		
355	1500	4.2		6.4		11.2		19		33		48		76		106		152		207		281		395		
	1000	2.8		4.3		7.5		13		22		32		51		70		101		138		187		263		
	750	2.1		3.2		5.6		9.5		16		24		38		53		76		103		140		197		
400	1500	3.8		5.8		10		17		30		43														
	1000	2.5		3.8		6.7		11.3		20		29														
	750	1.5		2.9		5.1		8.6		15		22														

选型参数表
Selection Table



直交轴减速器
热功率
类型 TB4...
规格 5...26
 $n_1=750 \text{ min}^{-1}$

Bevel-helical Gear Units
Thermal Capacities
Type TB4...
Sizes 5...26
 $n_1=750 \text{ min}^{-1}$

热功率 P _G											Thermal capacities P _G											kW					
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																										
		规 格													Sizes												
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26				
80	P _{G1}	26.6		39.5		55.9		84.4		113		151		170		233		327		*		*					
90	P _{G1}	26		38.2		54.6		81.9		110		145	155	163	175	223	239	316	331	*	*	*	*				
100	P _{G1}	24.8	28.5	36.2	42.2	51.8	56.3	78.7	94.3	104	121	136	149	153	168	211	229	297	320	*	*	*	*				
112	P _{G1}	23.9	27.8	34.8	41	49.8	55	74.9	91	100	118	130	141	146	158	201	216	288	300	*	*	*	*				
125	P _{G1}	22.8	26.6	33.2	38.7	47.5	52.2	71.7	86.9	95.9	111	123	134	139	150	191	206	271	291	*	*	*	*				
140	P _{G1}	21.8	25.6	31.6	37.3	44.8	50.2	67.8	82.8	91	106	119	127	134	143	184	196	262	274	*	*	*	*				
160	P _{G1}	20	24.5	28.8	35.6	41	47.8	61.9	79.3	86.1	102	113	123	127	138	174	189	247	264	*	*	*	*				
180	P _{G1}	19.6	23.4	28.1	33.9	40	45.4	60.2	75.1	81.3	96.7	106	116	119	130	163	178	231	250	*	*	*	*				
200	P _{G1}	19	21.5	27.8	30.9	39.1	41.5	58.9	68.6	79.4	91.8	104	109	118	123	162	167	223	234	*	*	*	*				
224	P _{G1}	17.7	21.1	25.9	30.2	36.6	40.5	55.4	66.9	74.4	86.9	98.4	108	109	121	152	167	209	227	*	*	*	*				
250	P _{G1}	17.3	20.3	25	29.9	35.3	39.6	53.6	65.3	72	84.4	95.1	100	106	113	147	156	202	212	*	*	*	*				
280	P _{G1}	16.4	19	23.5	27.9	33.7	37.1	51.2	61.3	68	79.4	88.5	97.5	100	109	138	150	193	205	*	*	*	*				
315	P _{G1}	15.4	18.5	22	26.8	31.6	35.8	47.8	59.3	64.9	76.8	83.6	91.8	94.3	103	131	142	180	195	*	*	*	*				
355	P _{G1}		17.7		25.2		34.1		56.6		72.5		86.1		97.5		134		182		*		*				
400	P _{G1}		16.5		23.6		32.2		52.8		69.1																

★ 敬请垂询

**) 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

★ On request

**) Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

直 轴 减 速 器

热 功 率

类型 TB4...

规格 5...26

$n_1=1000 \text{ min}^{-1}$

Bevel-helical Gear Units

Thermal Capacities

Type TB4...

Sizes 5...26

$n_1=1000 \text{ min}^{-1}$

热功率 P _G										Thermal capacities P _G										kW					
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																								
		规 格												Sizes											
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26		
80	P _{G1}	28.6		42.4		60		90.6		121		162		183		250		351		*		*			
90	P _{G1}	27.9		41		58.6		87.9		118		155	167	175	188	240	256	339	355	*	*	*	*		
100	P _{G1}	26.6	30.6	38.8	45.3	55.6	60.4	84.4	101	112	130	146	160	164	180	227	246	319	344	*	*	*	*		
112	P _{G1}	25.6	29.9	37.4	44	53.5	59	80.4	97.6	107	126	139	151	157	169	216	232	309	322	*	*	*	*		
125	P _{G1}	24.5	28.6	35.7	41.6	51	56	77	93.2	102	119	132	144	149	161	205	221	291	313	*	*	*	*		
140	P _{G1}	23.4	27.5	33.9	40.1	48.1	53.9	72.8	88.8	97.6	114	128	137	144	154	198	211	281	294	*	*	*	*		
160	P _{G1}	21.5	26.3	30.9	38.2	44	51.3	66.4	85.1	92.4	110	121	132	136	148	187	203	265	284	*	*	*	*		
180	P _{G1}	21.1	25.1	30.1	36.4	42.9	48.7	64.6	80.6	87.2	103	114	124	128	139	175	191	248	269	*	*	*	*		
200	P _{G1}	20.4	23.1	29.9	33.2	42	44.6	63.2	73.6	85.2	98.5	112	117	126	132	174	179	240	251	*	*	*	*		
224	P _{G1}	19	22.7	27.8	32.4	39.3	43.4	59.4	71.8	79.9	93.2	105	116	117	130	163	179	224	243	*	*	*	*		
250	P _{G1}	18.5	21.8	26.9	32.1	37.9	42.5	57.5	70.1	77.3	90.6	102	108	114	122	158	168	217	227	*	*	*	*		
280	P _{G1}	17.6	20.4	25.2	30	36.1	39.8	55	65.8	73	85.2	95	104	107	117	148	161	207	220	*	*	*	*		
315	P _{G1}	16.5	19.8	23.6	28.8	33.9	38.4	51.3	63.7	69.6	82.4	89.7	98.5	101	110	140	153	193	210	*	*	*	*		
355	P _{G1}		19		27.1		36.6		60.8		77.8		92.4		104		144		196		*		*		
400	P _{G1}		17.7		25.4		34.5		56.7		74.1														

* 敬请垂询

**) 表中数值按:

每小时工作周期: 100% / h

在室内大空间安装

海拔高度至 1000m

* On request

**) Values refer to:

Operating cycle: 100% / h

Installation in a large hall

Altitude up to 1000 m

选型参数表
Selection Table



直交轴减速器
热功率
类型 TB4...
规格 5...26
 $n_1=1500 \text{ min}^{-1}$

Bevel-helical Gear Units
Thermal Capacities
Type TB4...
Sizes 5...26
 $n_1=1500 \text{ min}^{-1}$

		热功率 P _G										Thermal capacities P _G										kW				
i _N	热功率取决于冷却方式: P _{G1} : 无辅助冷却装置; P _{G2} : 带冷却风扇 Thermal capacity dependent on kind of cooling:P _{G1} :without auxiliary cooling; P _{G2} :fan cooling																									
		规 格												Sizes												
		5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
80	P _{G1}	31.7		46.9		66.1		98.6		130		171		189		256		343		*		*				
90	P _{G1}	31.1		45.5		64.7		95.9		128		164	175	183	195	248	264	337	345	*	*	*	*			
100	P _{G1}	29.6	34	43.1	50.2	61.5	66.7	92.4	110	121	140	156	169	173	188	236	255	321	339	*	*	*	*			
112	P _{G1}	28.6	33.3	41.5	48.8	59.2	65.3	88.3	106	116	137	149	161	167	179	227	243	315	323	*	*	*	*			
125	P _{G1}	27.4	31.8	39.7	46.2	56.6	62.1	84.8	102	112	130	143	155	159	172	218	234	300	318	*	*	*	*			
140	P _{G1}	26.1	30.7	37.8	44.6	53.5	59.9	80.4	97.8	107	125	139	148	155	165	211	225	294	304	*	*	*	*			
160	P _{G1}	24.1	29.4	34.5	42.7	49	57.2	73.6	94.1	101	121	132	143	147	160	202	218	281	298	*	*	*	*			
180	P _{G1}	23.6	28.1	33.7	40.7	47.9	54.3	71.8	89.3	96.5	114	125	136	140	152	190	208	266	286	*	*	*	*			
200	P _{G1}	22.8	25.9	33.5	37.2	47	49.8	70.5	81.9	94.7	109	124	130	139	146	191	196	260	271	*	*	*	*			
224	P _{G1}	21.3	25.4	31.2	36.4	44	48.6	66.5	80.2	89.1	104	117	128	130	144	181	198	246	266	*	*	*	*			
250	P _{G1}	20.8	24.5	30.2	36	42.5	47.8	64.5	78.6	86.6	101	114	120	127	136	176	187	241	252	*	*	*	*			
280	P _{G1}	19.8	22.9	28.4	33.7	40.6	44.8	61.8	74	82.1	95.9	106	117	120	132	167	182	233	247	*	*	*	*			
315	P _{G1}	18.6	22.3	26.6	32.4	38.2	43.2	57.8	71.6	78.4	92.7	100	110	113	124	158	172	217	236	*	*	*	*			
355	P _{G1}		21.3		30.4		41.2		68.4		87.6		103		117		162		220		*		*			
400	P _{G1}		19.9		28.6		38.9		63.8		83.4															

* 敬请垂询

** 表中数值按:
每小时工作周期: 100% / h
在室内大空间安装
海拔高度至 1000m

* On request

** Values refer to:
Operating cycle: 100% / h
Installation in a large hall
Altitude up to 1000 m

平行轴减速器

额定输出扭矩

类型 TH1..., TH2..., TH3..., TH4..

规格 1..26

Helical Gear Units

Nom. Output Torques

Types TH1..., TH2..., TH3..., TH4..

Sizes 1..26

額 定 输 出 扭 矩 T _{2N}											Nom.output torques T _{2N}																kNm		
i _N	规 格											Sizes																	
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26			
1.25	0.79		2.6		7		13.3		21.5																				
1.4	0.83		2.7		7.2		13.9		22.3																				
1.6	0.87		2.9		7.5		14.2		23.6		40		63																
1.8	0.91		2.4		7.7		15.2		24.4		41.4		66.3																
2	0.93		2.5		8.2		15.5		25		42.7		68.2		121														
2.24	0.96		2.5		8.4		15.5		25		44		70.3		122														
2.5	1		2.6		8.4		15.5		25		44		72		110														
2.8	1		2.7		8.4		14.9		23.7		44		72		113		171												
3.15	1		2.7		8.4		15.2		24.5		41.9		68.4		116		173												
3.55	1		2.8		8.3		15.5		24.9		43.7		69.6		118		173												
4	1		2.8		8.4		15.5		25		44		70.8		122		173		245										
4.5	0.82		2.2		6.7		13.8		21.4		40		57.6		102		146		216										
5	0.78		2.1		6.3		12		20.5		33.7		54.5		88.8		124		174										
5.6	0.62		2		6		11.4		17.5		31.8		51.8		84.5		118		150										
6.3			3.5	6.3	10.5		19		31.5		55.5		86		143		195		292										
7.1			3.5	6.3	10.5		19		31.5		55.5		86		143	160	195	230	292	335	410								
8			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458							
9			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458							
10			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458							
11.2			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540						
12.5			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540						
14			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540	620					
16			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540	620					
18			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540	620	780				
20			3.5	6.3	10.5	13.5	19	24	31.5	39.5	55.5	69	86	107	143	160	195	230	292	335	410	458	540	620	780	880			
22.4			3.5	6.2	10.2	13.5	18.6	24	31	39.5	54.5	69	88	107	153	160	200	230	300	335	420	458	560	620	800	880			
25					11	13.5	20.5	24	34	39.5	60	69	88	107	153	173	200	240	300	345	420	470	560	640	800	900			
28					11	13	20.5	23.5	34	38.9	60	67.8	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
31.5					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
35.5					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
40					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
45					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
50					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
56					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
63					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
71					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
80					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
90					11	14.5	20	25.5	33.5	43	60	75	88	109	153	173	200	240	290	345	410	470	560	640	800	900			
100						14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	226	300	335	420	465	560	640	800	900			
112						14.1	20.5	25.2	34	42	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
125							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
140							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
160							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
180							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
200							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
224							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
250							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
280							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
315							20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900			
355							19.6	25.5	33	43	59	75	88	109	140	173	192	240	290	345	410	470	560	640	800	900			
400								25.5		43		75		109		158		223		335		465	560	640	800	900			
450								24.8		41.6		74		109															

选型参数表
Selection Table



直交轴减速器
额定输出扭矩
类型 TB2..., TB3..., TB4..
规格 1..26

Bevel-helical Gear Units
Nom. Output Torques
Types TB2..., TB3..., TB4..
Sizes 1..26

额 定 输 出 扭 矩 T_{2N}														Nom.output torques T_{2N}												k N m	
i_N	规 格													Sizes													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
5	1.15	2	3.1	5.8	9.4		17.8		28		43		66		122												
5.6	1.15	2	3.1	5.8	9.4		17.8		28		45		67		122	135	195										
6.3	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	47	55	71	82	130	141	195										
7.1	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	49	57	73	84	132	145	195	230									
8	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	59	77	88	132	148	195	230									
9	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	61	78	91	132	148	195	230									
10	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	62	78	95	132	148	195	230									
11.2	1.15	2	3.1	5.8	9.4	12	17.8	22.3	28	35.6	50.5	62	78	97.5	132	148	195	230									
12.5	1.15	2	3.1	5.5	9.4	12	17	22.3	28	35.6	50.5	62	78	97.5	132	148	195	230	250		340						
14	1.15	2	3.1	6	9.8	12	18.2	22.3	29.5	35.6	53	62	80	97.5	137	148	195	230	262	295	360	405					
16	1.1	1.95	3.1	6.2	10.2	12	19.1	21.5	31	35.6	56	62	83	97.5	142	154	200	230	275	308	380	422					
18	1.03	1.8	3	6.4	10.6	12.6	19.8	23.1	32.5	37.5	58	65	85	100	148	160	200	240	288	320	400	438					
20			3.6	6.6	11	13.2	20.5	23.9	34	39.3	60	68	88	103	153	167	200	240	300	332	420	455	560				
22.4			3.6	6.6	11	13.8	20.5	24.8	34	41	60	72	88	106	153	173	200	240	300	345	420	470	560	640			
25			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800		
28			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
31.5			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
35.5			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
40			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
45			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
50			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
56			3.6	6.6	11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
63			3.6	6.6	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
71			3.6	6.6	11	14.5	20	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
80					11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
90					11	14	20.5	25.2	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
100					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
112					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
125					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
140					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
160					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
180					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
200					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
224					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
250					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
280					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
315					11	14.5	20.5	25.5	34	43	60	75	88	109	153	173	200	240	300	345	420	470	560	640	800	900	
355						14.5		25.5		43		75		109		173		240		345		470		640		900	
400						14.5		25.5		43		75		109													

减 速 器

类型 TH1SH, TH2S, TH3S, TH4S,
TB2S, TB4S, TB4S.

输出轴 d_2 上许用附加径向力

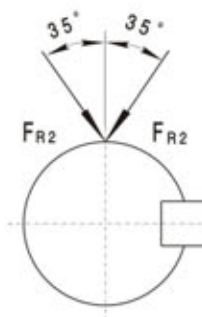
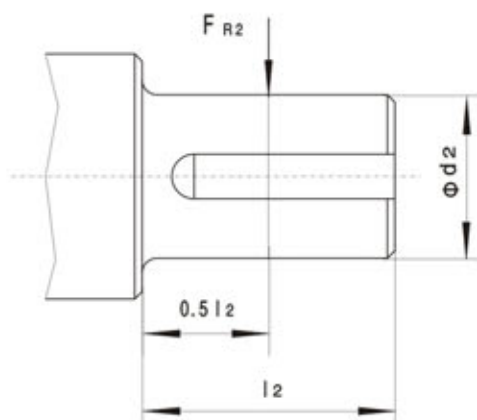
Gear Units

Types TH1SH, TH2S, TH3S, TH4S,
TB2S, TB3S, TB4S.

Permissible Additional Radial Forces
on Output Shaft d_2

作用力在轴端中部

Application of force on centre of shaft end



允许的作用力方向

Permissible direction of force

允许的附加径向力 F_{R2} , 作用于输出轴轴端中部
Permissible additional radial forces F_{R2} with application of force on centre of shaft end kN

类 型 Type	布置形式 Design	规 格 Size																									
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
TH1SH	A/B	*	-	*	-	*	-	*	-	*	-	*	-	*	-	*	-	*	-								
TH2S.	A/B/G/H	-	-	-	10	22	22	30	30	30	45	64	64	150	150	140	205	205	205	365	372	395	400	470	465	460	530
	C/D	-	-	8	10	13	13	18	18	10	28	35	35	112	112	85	135	135	135	284	305	308	330	365	380	355	430
TH3S.	A/B/G/H	-	-	8	-	29	29	40	40	40	60	85	85	190	190	185	265	265	265	365	372	395	400	470	465	460	530
	C/D	-	-	-	-	18	18	26	26	18	40	50	50	150	150	120	185	185	190	284	305	308	330	365	380	355	430
TH4S.	A/B	-	-	-	-	-	-	26	26	18	40	50	50	150	150	120	185	185	190	365	372	395	400	470	465	460	530
	C/D	-	-	-	-	-	-	40	40	40	60	85	85	190	190	185	265	265	265	284	305	308	330	365	380	355	430
TB2S.	A/C	7	10	10	13	27	27	37	37	38	55	78	78	160	160	150	210	210	210	365	372	395	400	470	465	460	530
	B/D	4	7	9	12	15	15	17	17	10	30	35	38	110	110	75	145	100	100	284	305	308	330	365	380	355	430
TB3S.	A/C	-	-	9	14	29	29	40	40	40	60	85	85	190	190	185	265	265	265	365	372	395	400	470	465	460	530
	B/D	-	-	7	9	18	18	26	26	18	40	50	50	150	150	120	185	185	190	284	305	308	330	365	380	355	430
TB4S.	A/C	-	-	-	-	29	29	40	40	40	60	85	85	190	190	185	265	265	265	365	372	395	400	470	465	460	530
	B/D	-	-	-	-	18	18	26	26	18	40	50	50	150	150	120	185	185	190	284	305	308	330	365	380	355	430

*: 需要承受附加径向力时请与我们联系。

基础螺栓的最低性能等级为 8.8 级。

基础必须干燥, 不得有油脂。

*: For the case of permitting the additional radial forces, please refer to us.

Use foundation bolts of min. Property class 8.8.

Foundation must be dry and grease-free.

选型参数表 Selection Table



减 速 器

类型 TH1SH,TH2S,TH3S,TH4S,
TB2S,TB4S,TB4S.

输出轴d₂上许用附加径向力

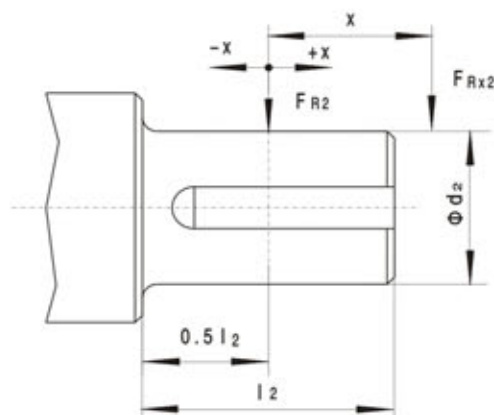
Gear Units

Types TH1SH,TH2S,TH3S,TH4S,
TB2S,TB3S,TB4S.

Permissible Additional Radial Forces
on Output Shaft d₂

作用力不在轴端中部

Application of force outside the centre of shaft end



$$F_{Rx2} = F_{R2} \times k$$

K-作用力系数

K-Factor of application of force

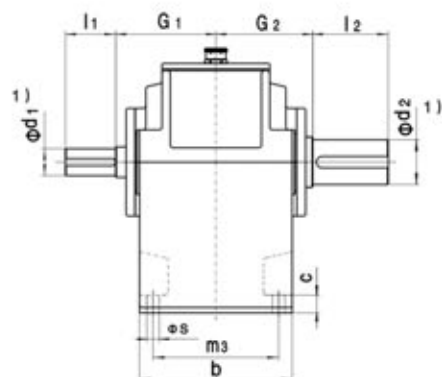
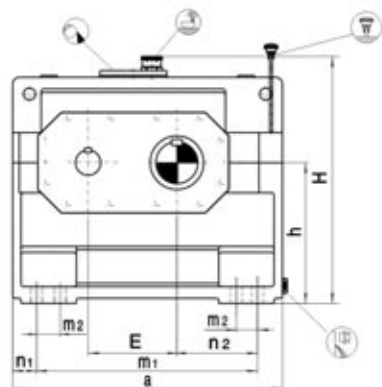
作用力系数k
Factor of application of force k

规格 Size	距 离 x (mm)										Distance X in mm									
	-350	-300	-250	-200	-150	-100	-75	-50	-25	0	25	50	75	100	150	200	250	300	350	400
1									1.11		0.81	0.68	0.58	0.51						
2									1.11		0.83	0.71	0.63	0.56						
3								1.21	1.09	1	0.85	0.74	0.65	0.58	0.48					
4								1.17	1.08	1	0.86	0.76	0.68	0.62	0.52	0.44				
5,6							1.22	1.14	1.06	1	0.88	0.79	0.72	0.66	0.62	0.52	0.44			
7,8							1.19	1.12	1.06	1	0.89	0.81	0.74	0.68	0.58	0.51	0.46	0.41		
9,10						1.22	1.15	1.1	1.05	1	0.9	0.82	0.76	0.7	0.61	0.54	0.48	0.44		
11,12						1.18	1.13	1.08	1.04	1	0.91	0.84	0.78	0.73	0.64	0.57	0.51	0.47		
13,14					1.24	1.15	1.11	1.07	1.03	1	0.92	0.86	0.8	0.75	0.67	0.6	0.55	0.5		
15,16					1.2	1.12	1.09	1.06	1.03	1	0.93	0.87	0.82	0.77	0.69	0.63	0.58	0.53		
17,18				1.25	1.17	1.11	1.08	1.05	1.03	1	0.94	0.88	0.84	0.79	0.72	0.66	0.6	0.56		
19,20				1.22	1.13	1.1	1.06	1.04	1.02	1	0.95	0.9	0.85	0.81	0.74	0.69	0.62	0.58		
21,22			1.27	1.21	1.12	1.09	1.05	1.04	1.02	1	0.96	0.92	0.86	0.83	0.75	0.71	0.64	0.6		
23,24			1.27	1.2	1.1	1.08	1.04	1.03	1.02	1	0.97	0.93	0.87	0.84	0.77	0.72	0.65	0.61		
25,26		1.29	1.22	1.18	1.09	1.07	1.03	1.03	1.02	1	0.98	0.96	0.87	0.83	0.76	0.7	0.64	0.61	0.55	0.51

平行轴减速器
单级传动
卧式安装
类型 TH1SH
规格 1...19

Helical Gear Units
Single Stage
Horizontal
Type TH1SH
Sizes 1...19

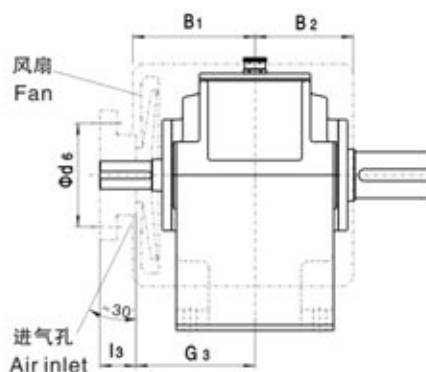
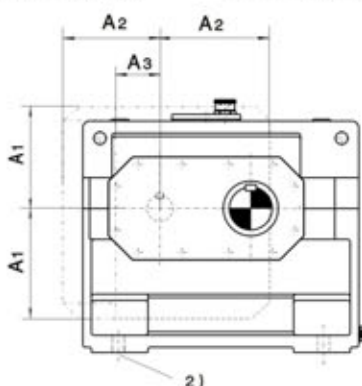
TH1SH



TH1SH

规格3...11带冷却风扇

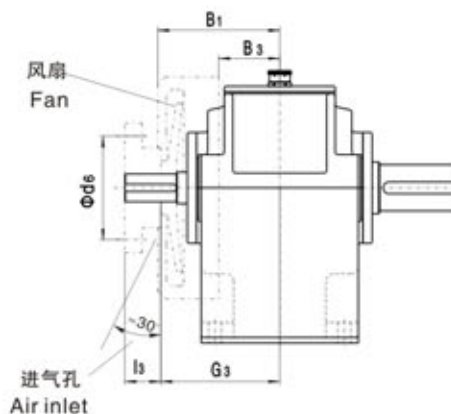
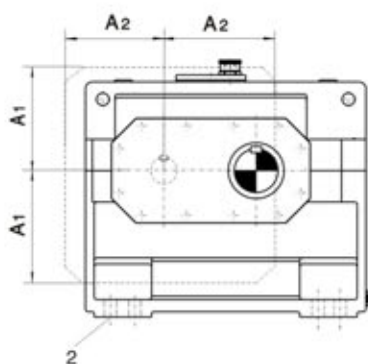
Sizes 3...11 with fan



TH1SH

规格13...19带冷却风扇

Sizes 13...19 with fan



1) .k6 ≤ Φ24 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第3页

2) .在安装基础螺栓前, 应先拆下风扇罩

3) .规格1号不带风扇

1) .k6 ≤ Φ24 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Remove air guide cover before fitting the foundation bolts

3) .Size 1 without fan

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
单级传动
卧式安装
类型 TH1SH
规格 1...19

Helical Gear Units
Single Stage
Horizontal
Type TH1SH
Sizes 1...19

规格 Size	尺 寸 mm									Dimensions in mm							
	输 入 轴									Input shaft							
	i _N =1.25-2.8			i _N =1.6-2.8			i _N =2-2.8			i _N =3.15-4			i _N =4.5-5.6			G ₁	G ₃
	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃		
1	40	70								30	50	-	24	40	-	110	-
3	60	125	105							45	100	80	32	80	60	170	190
5	85	160	130							60	135	105	50	110	80	210	240
7	100	200	165							75	140	105	60	140	105	250	285
9	110	200	165							90	165	130	75	140	105	280	315
11				130	240	205				110	205	170	90	170	135	325	360
13				150	245	200				130	245	200	100	210	165	365	410
15							180	290	240	150	250	200	125	250	200	360	410
17							200	330	280	170	290	240	140	250	200	400	450
19							220	340	290	190	340	290	160	300	250	440	490

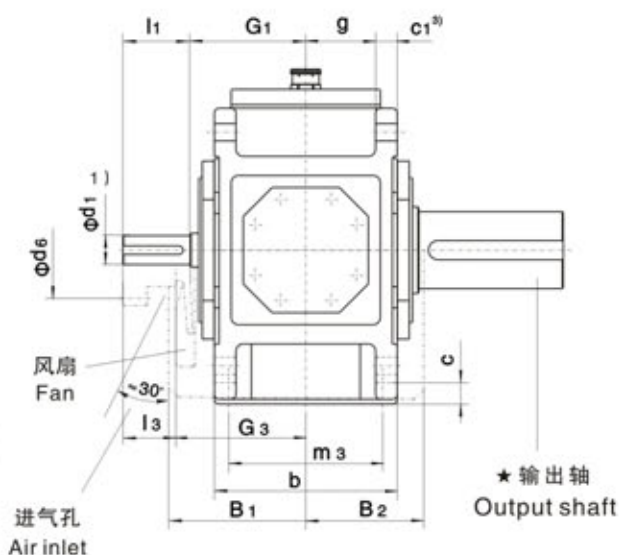
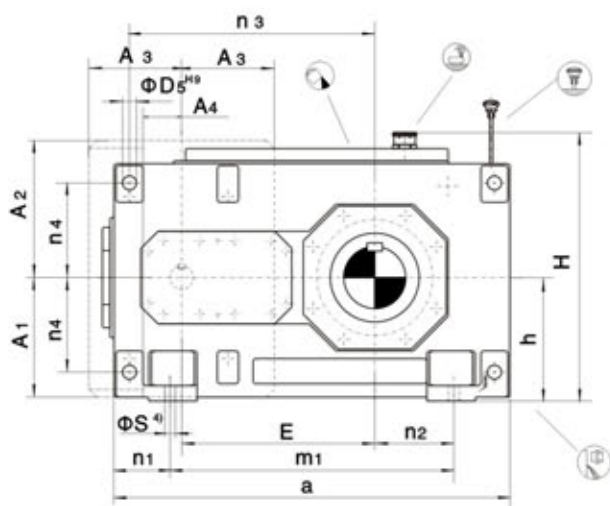
规格 Size	尺寸 mm																			Dimensions in mm									
	减速器																			Gear units									
	a	A ₁	A ₂	A ₃	b	B ₁	B ₂	B ₃	c	d ₆	E	h	H	m ₁	m ₂	m ₃	n ₁	n ₂	s										
1	295	-	-	-	150	-	-	-	18	-	90	140	305	220	-	120	37.5	80	12										
3	420	150	145	80	200	205	130	-	28	130	130	200	405	310	-	160	55	110	19										
5	580	225	215	115	285	255	185	-	35	190	185	290	555	440	-	240	70	160	24										
7	690	255	250	120	375	300	230	-	45	245	225	350	655	540	-	315	75	195	28										
9	805	300	265	140	425	330	265	-	50	280	265	420	770	625	-	350	90	225	35										
11	960	360	330	190	515	375	320	-	60	350	320	500	875	770	-	440	95	280	35										
13	1100	415	350	-	580	430	-	150	70	350	370	580	1055	870	-	490	115	315	42										
15	1295	500	430	-	545	430	-	120	80	450	442	600	1150	1025	-	450	135	370	48										
17	1410	550	430	-	615	470	-	150	80	445	490	670	1270	1170	130	530	120	425	42										
19	1590	630	475	-	690	510	-	190	90	445	555	760	1430	1290	150	590	150	465	48										

规格 Size	尺 寸 mm		Dimensions in mm		润 滑 油 Lubrication (L)	重 量 Weight (kg)
	输 出 轴		Output shaft			
	d ₂ ¹⁾	G ₂	l ₂			
1	45	110	80		2.5	55
3	60	170	125		7	128
5	85	210	160		22	302
7	105	250	200		42	547
9	125	270	210		68	862
11	150	320	240		120	1515
13	180	360	310		175	2395
15	220	360	350		190	3200
17	240	400	400		270	4250
19	270	440	450		390	5800

平行轴减速器
两级传动
卧式安装
类型 TH2.H
规格 3...12

Helical Gear Units
Tow Stage
Horizontal
Type TH2.H
Sizes 3...12

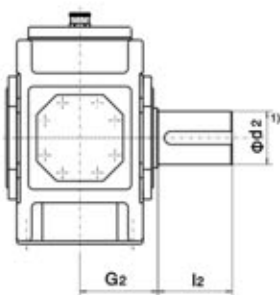
TH2SH TH2HH TH2DH TH2FH



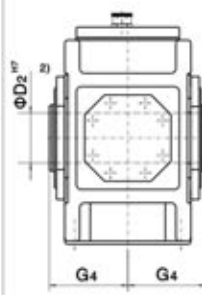
★ 输出轴

- ★ Output shaft

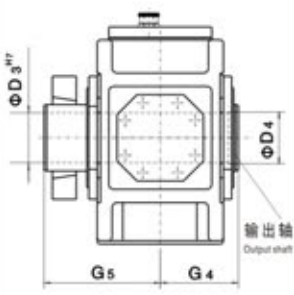
TH2SH
实心轴
Solid shaft



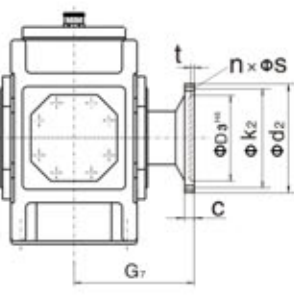
TH2HH
空心轴
Hollow shaft



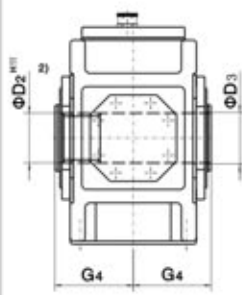
TH2DH
帶脹緊盤的空心軸
Hollow shaft for shrink disk



TH2FH
法兰轴
Flanged shaft



TH2KH
花键空心轴
Hollow shaft



1) $m_6 \leq \Phi 100$ $n_6 > \Phi 100$

有关平键和中心孔, 参见第 3 页

2) 键槽GB/T1095-1979

3) 扭力支撐位于工作機側

4) 在安装基础螺栓前, 应先拆下风扇罩

1) $m_6 \leq \Phi 100$ $n_6 > \Phi 100$

For parallel key and for centre hole, see page 3

2).Keyway GB/T 1095-1979

3).Torque support on driven machine side

4). Remove air guide cover before fitting the foundation bolts

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
两级传动
卧式安装
类型 TH2.H
规格 3...12

Helical Gear Units
Two Stage
Horizontal
Type TH2.H
Sizes 3...12

规格 Size	尺寸 mm Dimensions in mm											
	输入轴 Input shaft											
	$i_N=6.3-11.2$			$i_N=8-14$			$i_N=12.5-22.4$			$i_N=16-28$		
	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3
3	35	60	-				28	50	-			
4	45	100	80				32	80	60			
5	50	100	80				38	80	60			
6				50	100	80				38	80	60
7	60	135	105				50	110	80			
8				60	135	105				50	110	80
9	75	140	110				60	140	110			
10				75	140	110				60	140	110
11	90	165	130				70	140	105			
12				90	165	130				70	140	105

规格 Size	尺寸 mm Dimensions in mm											
	减速器 Gear units											
	a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	c ₁	D ₅	d ₆
3	450	-	-	-	-	190	-	-	22	24	18	-
4	565	195	225	150	30	215	205	158	28	30	24	136
5	640	225	260	175	55	255	230	177.5	28	30	24	150
6	720	225	260	175	55	255	230	177.5	28	30	24	150
7	785	272	305	210	70	300	255	210	35	36	28	200
8	890	272	305	210	70	300	255	210	35	36	28	200
9	925	312	355	240	100	370	285	245	40	45	36	200
10	1025	312	355	240	100	380	285	245	40	45	36	200
11	1105	372	420	285	135	430	325	285	50	54	40	210
12	1260	372	420	285	135	430	325	285	50	54	40	210

规格 Size	尺寸 mm Dimensions in mm										
	Gear units										
	E	g	h	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s
3	220	71	175	390	290	160	80	65	285	132.5	15
4	270	77.5	200	445	355	180	105	85	345	150	19
5	315	97.5	230	512	430	220	105	100	405	180	19
6	350	97.5	230	512	510	220	105	145	440	180	19
7	385	114	280	602	545	260	120	130	500	215	24
8	430	114	280	617	650	260	120	190	545	215	24
9	450	140	320	697	635	320	145	155	585	245	28
10	500	140	320	697	735	320	145	205	635	245	28
11	545	161	380	817	775	370	165	180	710	300	35
12	615	161	380	825	930	370	165	265	780	300	35

规格 Size	尺寸 mm Dimensions in mm																润滑油 Lubrication (L)	重量 /Weight (kg)		
	输出轴 Output shaft																	TH2KH	TH2SH TH2HH TH2DH	TH2FH
	TH2SH			TH2HH		TH2DH				TH2FH										
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	c	d ₂	D ₃	k ₂	n×s	t	G ₇				
3	65	125	140	65	125	70	70	125	180	-	-	-	-	-	-	-	见 (394-397) 页	6	115	-
4	80	140	170	80	140	85	85	140	205	-	-	-	-	-	-	-		10	190	-
5	100	165	210	95	165	100	100	165	240	25	300	150	260	16×22	10	255		15	300	335
6	110	165	210	105	165	110	110	165	240	25	320	160	280	18×22	10	255		16	355	395
7	120	195	210	115	195	120	120	195	280	30	370	180	320	16×26	10	300		27	505	555
8	130	195	250	125	195	130	130	195	285	30	390	190	340	18×26	10	300		30	590	645
9	140	235	250	135	235	140	145	235	330	38	430	220	380	20×26	12	350		42	830	915
10	160	235	300	150	235	150	155	235	350	38	470	240	420	22×26	12	350		45	960	1050
11	170	270	300	165	270	165	170	270	400	42	510	260	450	18×33	12	400	71	1335	1465	
12	180	270	300	180	270	180	185	270	405	42	540	280	480	22×33	12	400	76	1615	1755	

润滑油
Lubrication
(L)

重量 /Weight
(kg)

TH2SH
TH2HH
TH2DH

TH2FH

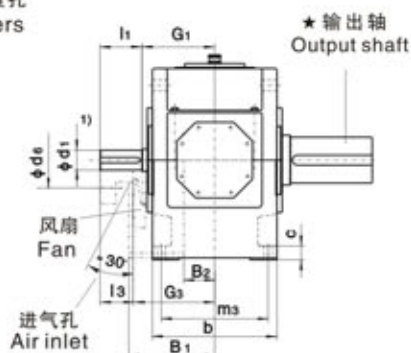
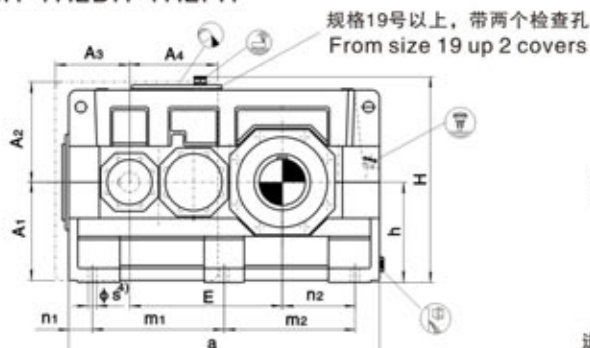
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页
(394-397)

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TH TB

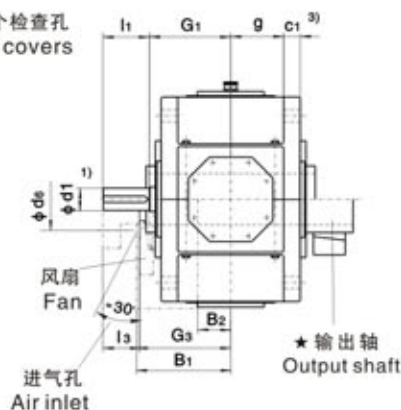
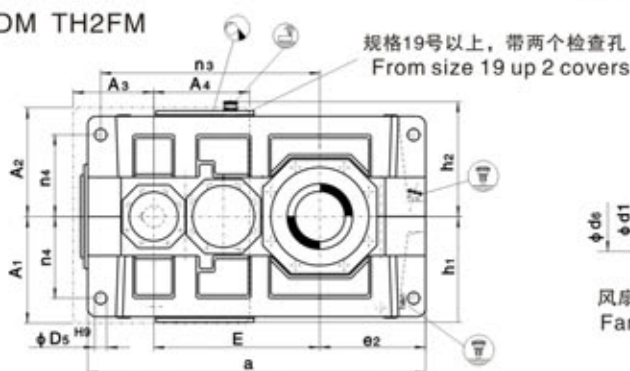
平行轴减速器
两级传动
卧式安装
类型 TH2.H, TH2.M
规格 13...22

Helical Gear Units
Two Stage
Horizontal
Types TH2.H, TH2.M
Sizes 13...22

TH2SH TH2HH TH2DH TH2FH



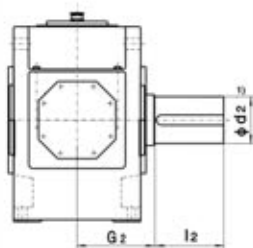
TH2HM TH2DM TH2FM



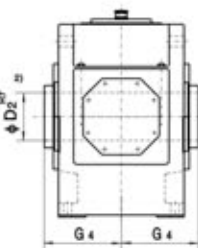
★ 输出轴

★ Output shaft

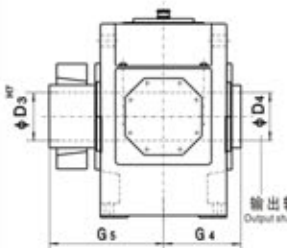
TH2SH
实心轴
Solid shaft



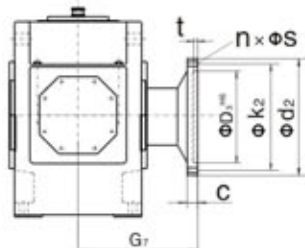
TH2HH, TH2HM⁵⁾
空心轴
Hollow shaft



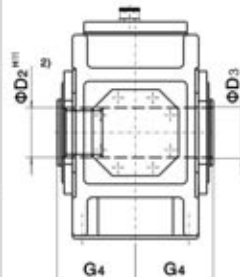
TH2DH, TH2DM⁵⁾
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH2FH, TH2FM
法兰轴
Flanged shaft



TH2KH
花键空心轴
Hollow shaft



- 1) .m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页
- 2) 键槽 GB/T1095-1979
- 3) 扭力支撑位于工作机侧
- 4) 在安装基础螺栓前, 应先拆下风扇罩
- 5) 规格13和15号: 速比只有 i_N=6.3~18;
规格17和19号: 速比只有 i_N=6.3~14

- 1) .m6 ≤ Φ100 n6 > Φ100
For parallel key and for centre hole, see page 3
- 2) Keyway GB/T 1095-1979
- 3) Torque support on driven machine side
- 4) Remove air guide cover before fitting the foundation bolts
- 5) Sizes 13 and 15: only i_N=6.3~18;
Sizes 17 and 19: only i_N=6.3~14

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
两级传动
卧式安装
类型 TH2.H, TH2.M
规格 13...22

Helical Gear Units
Two Stage
Horizontal
Types TH2.H, TH2.M
Sizes 13...22

规格 Size	尺寸 mm 输入轴														Dimensions in mm Input shaft					
	$i_N=6.3-11.2$			$i_N=7.1-12.5$			$i_N=8-14$			$i_N=12.5-20$			$i_N=14-22.4$			$i_N=16-25$			G_1	G_2
	$d_1^{(1)}$	l_1	l_2	$d_1^{(1)}$	l_1	l_2	$d_1^{(1)}$	l_1	l_2	$d_1^{(1)}$	l_1	l_2	$d_1^{(1)}$	l_1	l_2	$d_1^{(1)}$	l_1	l_2		
13	100	205	170							85	170	135							330	365
14							100	205	170							85	170	135	330	365
15	120	210	165							100	210	165							365	410
16				120	210	165							100	210	165				365	410
17	125	245	200							110	210	165							420	465
18				125	245	200							110	210	165				420	465
19	150	245	200							120	210	165							475	520
20				150	245	200							120	210	165				475	520
21	170	290	240							140	250	200							495	545
22				170	290	240							140	250	200				495	545

规格 Size	尺寸 mm 减速器														Dimensions in mm Gear units					
	a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	c ₁	d _s	D _s	e ₂	E						
13	1290	430	460	330	365	550	385	135	60	61	250	48	405	635						
14	1430	430	460	330	365	550	385	135	60	61	250	48	475	705						
15	1550	490	500	370	440	625	430	155	70	72	280	55	485	762						
16	1640	490	500	370	440	625	430	155	70	72	280	55	530	808						
17	1740	540	565	435	505	690	485	140	80	81	280	55	525	860						
18	1860	540	565	435	505	690	485	140	80	81	280	55	585	920						
19	2010	600	600	500	450	790	540	190	90	91	310	65	590	997						
20	2130	600	600	500	450	790	540	190	90	91	310	65	650	1057						
21	2140	680	680	500	610	830	565	200	100	100	450	75	655	1067						
22	2250	680	680	500	610	830	565	200	100	100	450	75	710	1122						

规格 Size	尺寸 mm						Dimensions in mm						
	减 速 器						Gear units						
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	211.5	440	450	495	935	545	545	475	100	305	835	340	35
14	211.5	440	450	495	935	545	685	475	100	375	905	340	35
15	238	500	490	535	1035	655	655	535	120	365	1005	375	42
16	238	500	490	535	1035	655	745	535	120	410	1050	375	42
17	259	550	555	595	1145	735	735	600	135	390	1145	425	42
18	259	550	555	595	1145	735	855	600	135	450	1205	425	42
19	299	620	615	655	1275	850	850	690	155	435	1345	475	48
20	299	620	615	655	1275	850	970	690	155	495	1405	475	48
21	315	700	685	725	1425	900	900	720	170	485	1400	520	56
22	315	700	685	725	1425	900	1010	720	170	540	1455	520	56

规格 Size	尺 寸 mm 输 出 轴																润滑油 Lubrication		重量 / Weight (kg)					
	TH2SH				TH2HH ⁵⁾ TH2HM ⁵⁾		TH2DH ⁵⁾		TH2DM ⁵⁾		TH2FH TH2FM						TH2KH TH2KM		TH2.H (L)	TH2.M (L)	TH2SH TH2HH TH2DH	TH2HM TH2DM	TH2FH	TH2FM
	d ₂ ¹⁾	G ₂	l ₂		D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	c	d ₂	D ₃	k ₂	n × s	t	G ₇							
13	200	335	350		190 335	190	195	335	480	48	580	310	500	20 × 33	14	480	见 页 (394-397)	135	110	2000	1880	2160	2040	
14	210	335	350		210 335	210	215	335	480	48	620	310	540	24 × 33	14	480		140	115	2570	2430	2740	2600	
15	230	380	410		230 380	230	235	380	550	55	710	360	630	28 × 33	17	550		210	160	3430	3240	3670	3480	
16	240	380	410		240 380	240	245	380	550	55	740	360	660	30 × 33	17	550		215	165	3655	3465	3910	3720	
17	250	415	410		250 415	250	260	415	600	60	750	410	660	24 × 39	18	600		290	230	4650	4420	4950	4720	
18	270	415	470		275 415	280	285	415	600	60	800	410	710	26 × 39	18	600		300	240	5125	4870	5475	5220	
19	290	465	470	-	-	285	295	465	670	65	860	460	770	30 × 39	18	670		320	300	6600	6300			
20	300	465	500	-	-	310	315	465	670	65	930	460	830	32 × 39	18	670		340	320	7500	7200			
21	320	490	500	-	-	330	335	490	715	75	950	520	850	28 × 45	20	710		320	350	8900	8400			
22	340	490	550	-	-	340	345	490	725	75	1040	520	940	28 × 45	20	710		340	370	9600	9200			

平行轴减速器

两级传动

卧式安装

类型 TH2.H, TH2DM

规格 23...26

Helical Gear Units

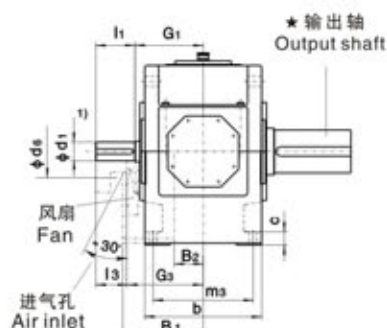
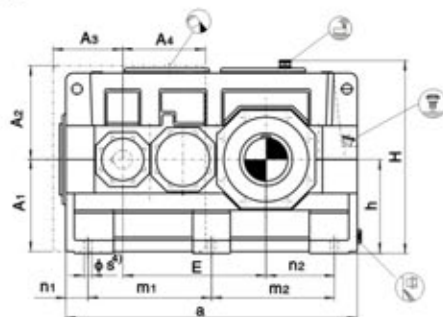
Two Stage

Horizontal

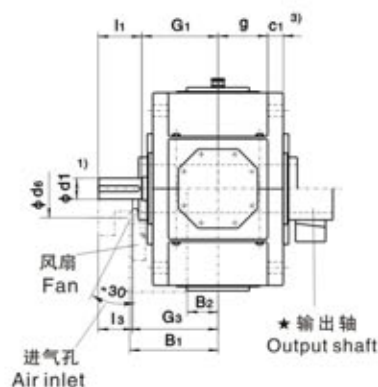
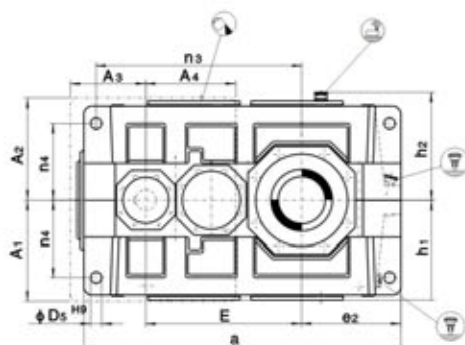
Types TH2.H, TH2DM

Sizes 23...26

TH2SH TH2DH



TH2DM



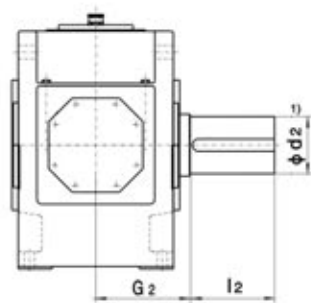
★ 输出轴

★ Output shaft

TH2SH

实心轴

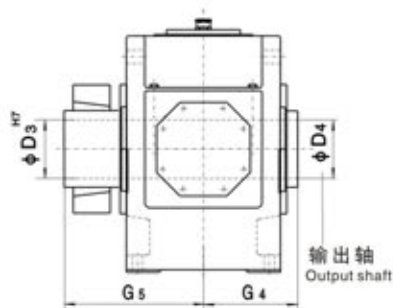
Solid shaft



TH2DH, TH2DM

带胀紧盘的空心轴

Hollow shaft for shrink disk



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .在安装基础螺栓前, 应先拆下风扇罩

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Remove air guide cover before fitting the foundation bolts

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
两级传动
卧式安装
类型 TH2.H, TH2.DM
规格 23...26

Helical Gear Units
Two Stage
Horizontal
Types TH2.H, TH2.DM
Sizes 23...26

规格 Size	尺寸 mm												Dimensions in mm	
	输入轴												Input shaft	
	$i_N = 6.3-11.2$			$i_N = 7.1-12.5$			$i_N = 12.5-20$			$i_N = 14-22.5$			G ₁	G ₃
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃		
23	190	330	280				150	250	200				560	610
24				190	330	280				150	250	200	560	610
25	200	340	290				170	300	250				600	650
26				200	340	290				170	300	250	600	650

规格 Size	尺寸 mm														Dimensions in mm	
	减速器														Gear units	
	a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	c ₁	d ₆	D ₅	e ₂	E		
23	2380	770	770	550	550	930	630	220	115	120	450	80	730	1185		
24	2510	770	770	550	550	930	630	220	115	120	450	80	795	1250		
25	2580	845	865	550	550	1045	670	240	130	120	450	90	790	1325		
26	2760	845	865	550	550	1045	670	240	130	120	450	90	880	1415		

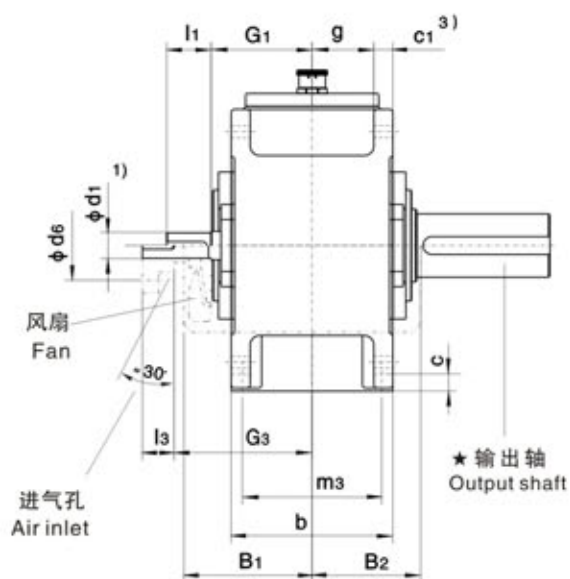
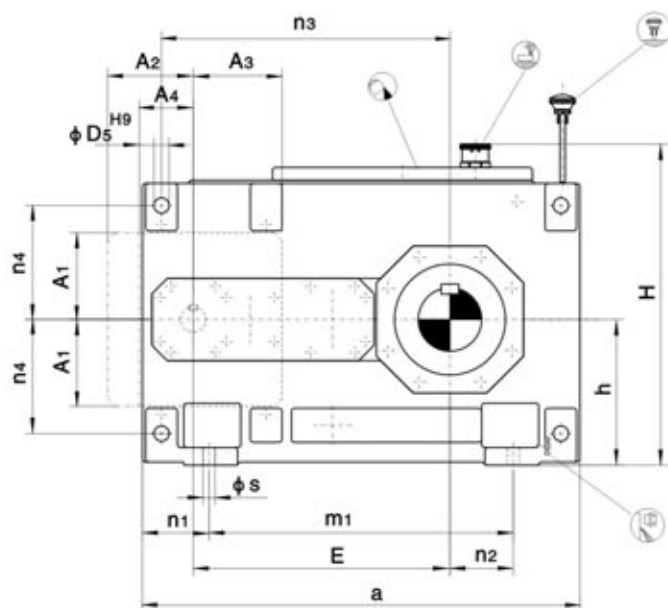
规格 Size	尺 寸 mm					Dimensions in mm							
	减 速 器					Gear units							
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
23	342	780	770	835	1615	1010	1010	810	180	550	1560	580	56
24	342	780	770	835	1615	1010	1140	810	180	615	1625	580	56
25	400	860	860	905	1765	1090	1090	910	200	590	1685	660	66
26	400	860	860	905	1765	1090	1270	910	200	680	1775	660	66

规格 Size	尺 寸 mm			Dimensions in mm				润滑油		Lubrication		重 量		Weight	
	输 出 轴			Output shaft				TH2.H (L)		TH2DM (L)		TH2.H (kg)		TH2DM (kg)	
	TH2SH			TH2DH,TH2DM											
	d ₂	G ₂	l ₂	D ₃	D ₄	G ₄	G ₅								
23	360	540	590	360	365	540	785	430	470	11600	11000				
24	380	540	590	380	385	540	805	450	500	13000	12300				
25	400	605	650	400	405	605	875	600	660	15500	14700				
26	420	605	650	430	435	605	900	640	700	17200	16200				

平行轴减速器
三级传动
卧式安装
类型 TH3.H
规格 5...12

Helical Gear Units
Three Stage
Horizontal
Type TH3.H
Sizes 5...12

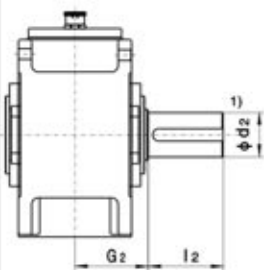
TH3SH TH3HH TH3DH TH3FH



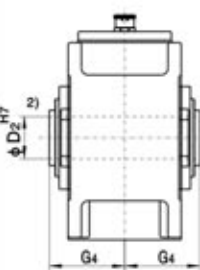
★ 输出轴

★ Output shaft

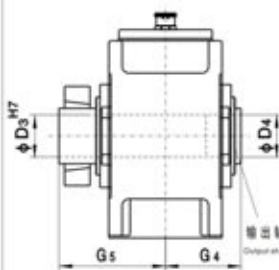
TH3SH
实心轴
Solid shaft



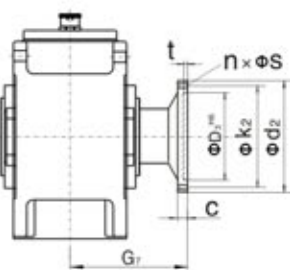
TH3HH
空心轴
Hollow shaft



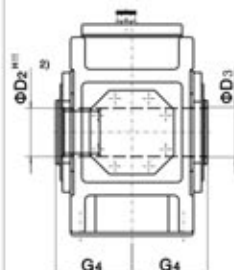
TH3DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH3FH
法兰轴
Flanged shaft



TH3KH
花键空心轴
Hollow shaft



1) .k6 ≤ φ24 φ28 ≤ m6 ≤ φ100 n6 > φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T 1095-1979

3) .扭力支撑位于工作机侧

1) .k6 ≤ φ24 φ28 ≤ m6 ≤ φ100 n6 > φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
三级传动
卧式安装
类型 TH3.H
规格 5...12

Helical Gear Units
Three Stage
Horizontal
Type TH3.H
Sizes 5...12

规格 Size	尺寸 mm 输入轴												Dimensions in mm Input shaft							
	$i_N=25-45$			$i_N=31.5-56$			$i_N=50-63$			$i_N=63-80$			$i_N=71-90$			$i_N=90-112$			G_1	G_2
	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2		
5	40	70	70				30	50	50				24	40	40				160	220
6				40	70	70				30	50	50				24	40	40	160	220
7	45	80	80				35	60	60				28	50	50				185	250
8				45	80	80				35	60	60				28	50	50	185	250
9	60	125	105				45	100	80				32	80	60				230	300
10				60	125	105				45	100	80				32	80	60	230	300
11	70	120	120				50	80	80				42	70	70				255	330
12				70	120	120				50	80	80				42	70	70	255	330

规格 Size	尺寸 mm 减速器												Dimensions in mm Gear units			
	a	A ₁	A ₂	A ₃	A ₄	b	B ₁	B ₂	c	c ₁	d ₆	D ₅				
5	690	137	135	140	80	255	215	175	28	30	60	24				
6	770	137	135	140	80	255	215	175	28	30	60	24				
7	845	157	160	180	100	300	245	205	35	36	75	28				
8	950	157	160	180	100	300	245	205	35	36	75	28				
9	1000	182	190	205	120	370	295	240	40	45	90	36				
10	1100	182	190	205	120	380	295	240	40	45	90	36				
11	1200	218	220	255	150	430	325	280	50	54	100	40				
12	1355	218	220	255	150	430	325	280	50	54	100	40				

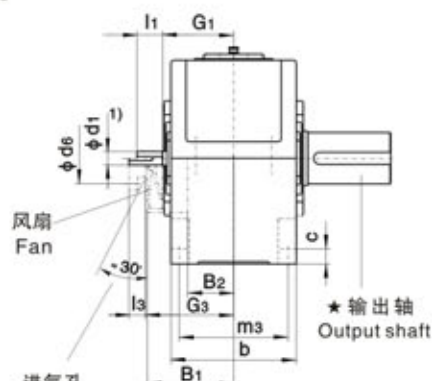
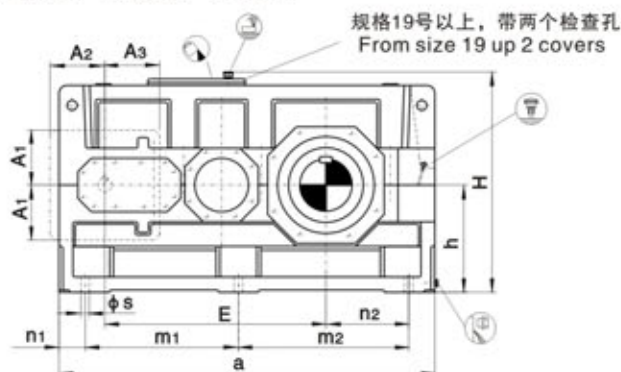
规格 Size	尺寸 mm 减速器											Dimensions in mm Gear units			
	E	g	h	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s				
5	405	97.5	230	512	480	220	105	100	455	180	19				
6	440	97.5	230	512	560	220	105	145	490	180	19				
7	495	114	280	602	605	260	120	130	560	215	24				
8	540	114	280	617	710	260	120	190	605	215	24				
9	580	140	320	697	710	320	145	155	660	245	28				
10	630	145	320	697	810	320	145	205	710	245	28				
11	705	161	380	817	870	370	165	180	805	300	35				
12	775	161	380	825	1025	370	165	265	875	300	35				

规格 Size	尺寸 mm 输出轴															Dimensions in mm Output shaft						润滑油 Lubrication (L)	重量 /Weight (kg)	
	TH3SH			TH3HH		TH3DH				TH3FH						TH3KH		TH3SH TH3HH TH3DH	TH3FH					
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	c	d ₂	D ₃	k ₂	n×s	t	G ₇								
5	100	165	210	95	165	100	100	165	240	25	300	150	260	16×22	10	255	见 (394-397) 页	15	320	355				
6	110	165	210	105	165	110	110	165	240	25	320	160	280	18×22	10	255		17	365	405				
7	120	195	210	115	195	120	120	195	280	30	370	180	320	16×26	10	300		28	540	590				
8	130	195	250	125	195	130	130	195	285	30	390	190	340	18×26	10	300		30	625	675				
9	140	235	250	135	235	140	145	235	330	38	430	220	380	20×26	12	350		45	875	960				
10	160	235	300	150	235	150	155	235	350	38	470	240	420	22×26	12	350		46	1020	1110				
11	170	270	300	165	270	165	170	270	400	42	510	260	450	18×33	12	400		85	1400	1530				
12	180	270	300	180	270	180	185	270	405	42	540	280	480	22×33	12	400	90	1675	1815					

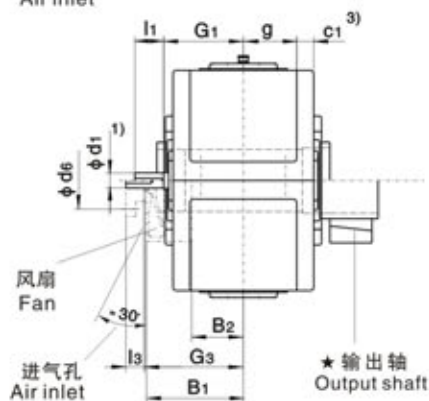
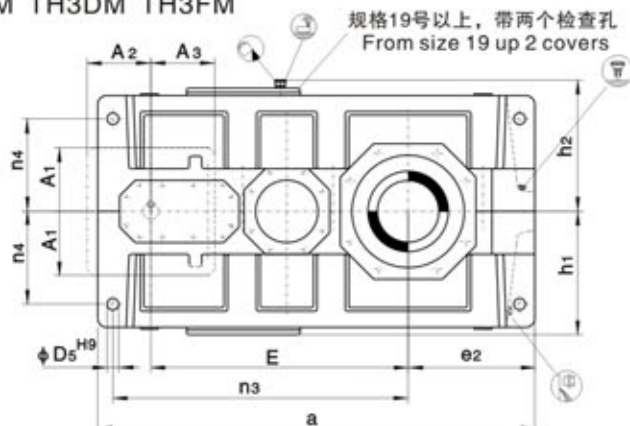
平行轴减速器
三级传动
卧式安装
类型 TH3.H, TH3.M
规格 13...22

Helical Gear Units
Three Stage
Horizontal
Types TH3.H, TH3.M
Sizes 13...22

TH3SH TH3HH TH3DH TH3FH



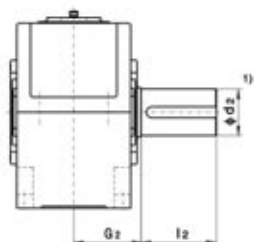
TH3HM TH3DM TH3FM



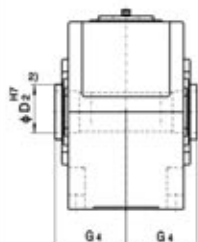
★ 输出轴

★ Output shaft

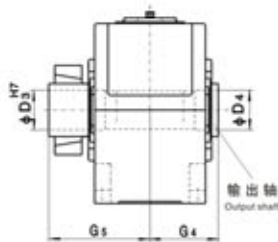
TH3SH
实心轴
Solid shaft



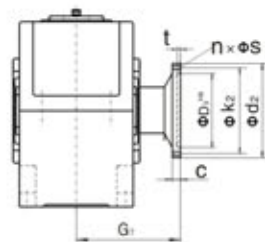
TH3HH TH3HM
空心轴
Hollow shaft



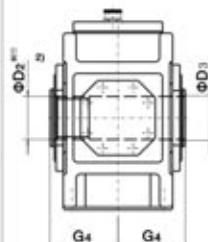
TH3DH TH3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH3FH TH3FM
法兰轴
Flanged shaft



TH3KH
花键空心轴
Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
三级传动
卧式安装
类型 TH3.H, TH3.M
规格 13...22

Helical Gear Units
Three Stage
Horizontal
Types TH3.H, TH3.M
Sizes 13...22

规格 Size	尺寸 mm 输入轴																		Dimensions in mm Input shaft			
	$i_N=22.4-45$			$i_N=25-50$ $i_N=28-56^{*)}$			$i_N=50-63$			$i_N=56-71$ $i_N=63-80^{*)}$			$i_N=71-90$			$i_N=80-100$ $i_N=90-112^{*)}$			G_1	G_2		
	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2	$d_1^{1)}$	l_1	l_2				
13	85	160	130				60	135	105				50	110	80				310	385		
14				85	160	130				60	135	105				50	110	80	310	385		
15	100	200	165				75	140	105				60	140	105				350	420		
16				100	200	165				75	140	105				60	140	105	350	420		
17	100	200	165				75	140	105				60	140	105				380	450		
18				100	200	165				75	140	105				60	140	105	380	450		
19	110	200	4)				90	165	4)				75	140	4)				430	4)		
20				110	200	4)				90	165	4)				75	140	4)	430	4)		
21	130	240	4)				110	205	4)				90	170	4)				470	4)		
22				130	240	4)				110	205	4)				90	170	4)	470	4)		

*) 仅指规格 14 号减速器 *) Only size 14

规格 Size	尺寸 mm 减速器												Dimensions in mm Gear units			
	a	A ₁	A ₂	A ₃	b	B ₁	B ₂	c	c ₁	d ₆	D ₅	e ₂	E			
13	1395	225	225	212	550	380	195	60	61	120	48	405	820			
14	1535	225	225	212	550	380	195	60	61	120	48	475	890			
15	1680	270	265	252	625	415	205	70	72	150	55	485	987			
16	1770	270	265	252	625	415	205	70	72	150	55	530	1033			
17	1770	270	265	252	690	445	235	80	81	150	55	525	1035			
18	1890	270	265	252	690	445	235	80	81	150	55	585	1095			
19	2030				790			90	91		65	590	1190			
20	2150				790			90	91		65	650	1250			
21	2340	4)	4)	4)	830	4)	4)	100	100	4)	75	655	1387			
22	2450				830			100	100		75	710	1442			

4) 根据用户要求供货 4) On request

规格 Size	尺寸 mm 减速器												Dimensions in mm Gear units			
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s			
13	211.5	440	450	495	935	597.5	597.5	475	100	305	940	340	35			
14	211.5	440	450	495	935	597.5	737.5	475	100	375	1010	340	35			
15	238	500	490	535	1035	720	720	535	120	365	1135	375	42			
16	238	500	490	535	1035	720	810	535	120	410	1180	375	42			
17	259	550	555	595	1145	750	750	600	135	390	1175	425	42			
18	259	550	555	595	1145	750	870	600	135	450	1235	425	42			
19	299	620	615	655	1275	860	860	690	155	435	1365	475	48			
20	299	620	615	655	1275	860	980	690	155	495	1425	475	48			
21	310	700	685	725	1425	1000	1000	720	170	485	1615	520	56			
22	310	700	685	725	1425	1000	1110	720	170	540	1670	520	56			

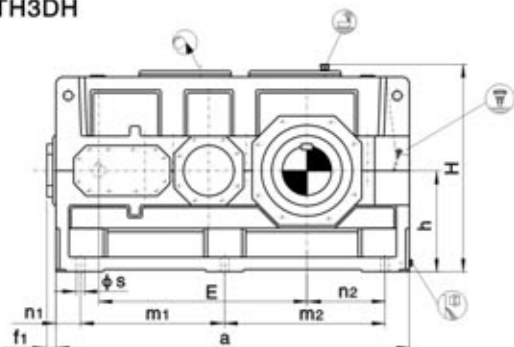
规格 Size	尺 寸 mm										Dimensions in mm							润滑油 Lubrication		重量 / Weight (kg)				
	输 出 轴										Output shaft													
	TH3SH			TH3HH TH3HM		TH3DH		TH3DM		TH3FH					TH3FM		TH3KH TH3KM		TH3.H	TH3.M	TH3SH TH3HH TH3DH	TH3HM TH3DM	TH3FH	TH3FM
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	c	d ₂	D ₃	k ₂	n × s	t	G ₇	(L)	(L)						
13	200	335	350	190	335	190	195	335	480	48	580	310	500	20 × 33	14	480	见 (394-397) 页	160	125	2295	2155	2455	2305	
14	210	335	350	210	335	210	215	335	480	48	620	310	540	24 × 33	14	480		165	130	2625	2490	2795	2660	
15	230	380	410	230	380	230	235	380	550	55	710	360	630	28 × 33	17	550		235	190	3475	3260	3715	3500	
16	240	380	410	240	380	240	245	380	550	55	740	360	660	30 × 33	17	550		245	195	3875	3625	4130	3880	
17	250	415	410	250	415	250	260	415	600	60	750	410	660	24 × 39	18	600		305	240	4560	4250	4860	4550	
18	270	415	470	275	415	280	285	415	600	60	800	410	710	26 × 39	18	600		315	250	5030	4740	5380	5090	
19	290	465	470	-	-	285	295	465	670	65	860	460	770	30 × 39	18	670		420	390	6700	6200			
20	300	465	500	-	-	310	315	465	670	65	930	460	830	32 × 39	18	670		450	415	8100	7600			
21	320	490	500	-	-	330	335	490	715	75	950	520	850	28 × 45	20	710		470	515	9100	8500			
22	340	490	550	-	-	340	345	490	725	75	1040	520	940	28 × 45	20	710		490	540	9800	9300			

见
(394-397)
页

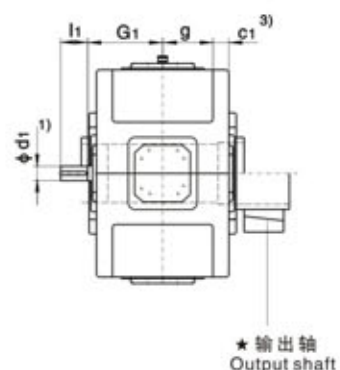
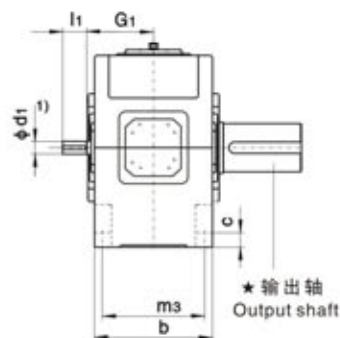
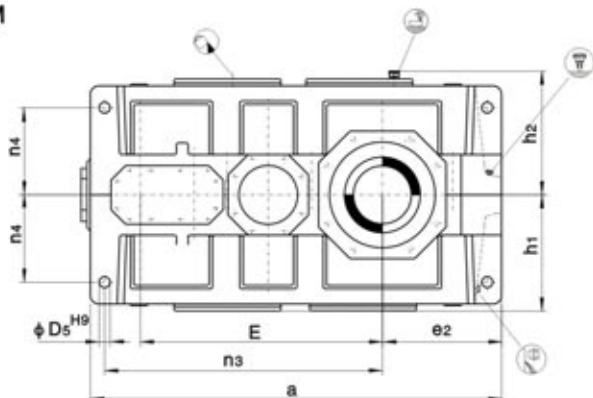
平行轴减速器
三级传动
卧式安装
类型 TH3.H, TH3DM
规格 23...26

Helical Gear Units
Three Stage
Horizontal
Types TH3.H, TH3DM
Sizes 23...26

TH3SH TH3DH



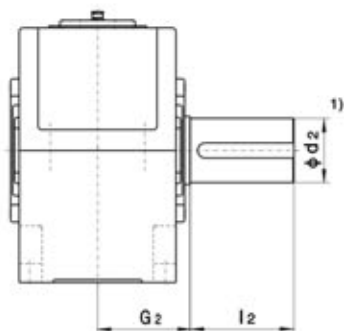
TH3DM



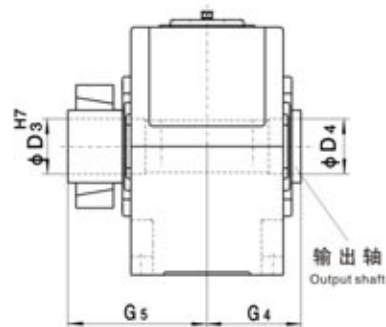
★ 输出轴

★ Output shaft

TH3SH
实心轴
Solid shaft



TH3DH TH3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



- 1) .m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页
2) .键槽 GB/T1095-1979
3) .扭力支撑位于工作机侧

- 1) .m6 ≤ Φ100 n6 > Φ100
For parallel key and for centre hole, see page 3
2) .Keyway GB/T 1095-1979
3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
三级传动
卧式安装
类型 TH3.H, THDM
规格 23...26

Helical Gear Units
Three Stage
Horizontal
Types TH3.H, THDM
Sizes 23...26

规格 Size	尺寸 mm												Dimensions in mm	
	输入轴												Input shaft	
	$i_N = 22.4-45$		$i_N = 25-50$		$i_N = 50-63$		$i_N = 56-71$		$i_N = 71-90$		$i_N = 80-100$		G ₁	
	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁		
23	130	240			110	205			90	170			510	
24			130	240			110	205			90	170	510	
25	150	245			130	245			100	210			570	
26			150	245			130	245			100	210	570	

规格 Size	尺寸 mm											Dimensions in mm	
	减速器											Gear units	
	a	b	c	c ₁	D ₅	e ₂	E	f ₁	g	s			
23	2530	930	115	120	80	730	1505	35	342	56			
24	2660	930	115	120	80	795	1570	35	342	56			
25	2830	1045	130	120	90	790	1695	65	400	66			
26	3010	1045	130	120	90	880	1785	65	400	66			

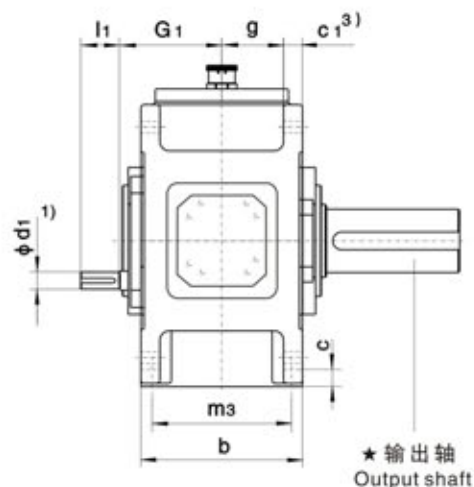
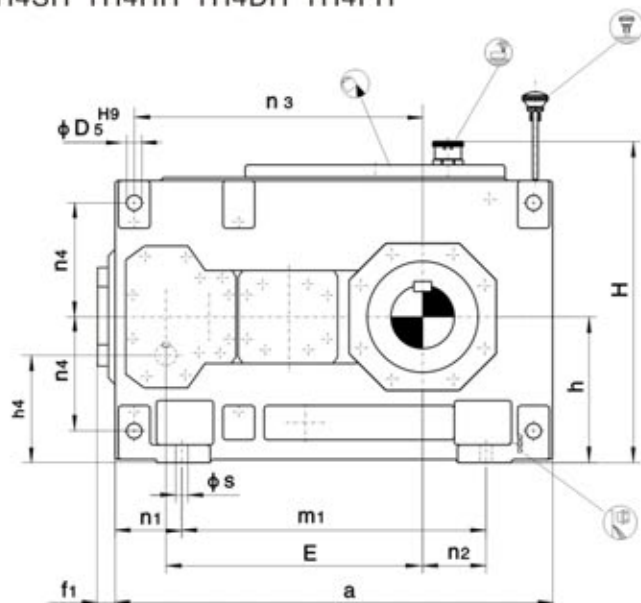
规格 Size	尺寸 mm											Dimensions in mm	
	减速器											Gear units	
	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄		
23	780	770	835	1615	1085	1085	810	180	550	1725	580		
24	780	770	835	1615	1085	1215	810	180	615	1790	580		
25	860	860	905	1765	1215	1215	910	200	590	1965	660		
26	860	860	905	1765	1215	1395	910	200	680	2055	660		

规格 Size	尺 寸 mm			Dimensions in mm				润滑油 Lubrication		重 量	Weight
	输 出 轴			Output shaft				TH3.H (L)	TH3DM (L)	TH3.H (kg)	TH3DM (kg)
	TH3SH			TH3DH,TH3DM							
	d ₂	G ₂	l ₂	D ₃	D ₄	G ₄	G ₅				
23	360	540	590	360	365	540	785	620	690	11500	10600
24	380	540	590	380	385	540	805	650	725	13400	12500
25	400	605	650	400	405	605	875	880	970	16100	15200
26	420	605	650	430	435	605	900	935	1030	17600	16500

平行轴减速器
四级传动
卧式安装
类型 TH4.H
规格 7...12

Helical Gear Units
Four Stage
Horizontal
Type TH4.H
Sizes 7...12

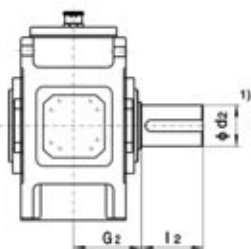
TH4SH TH4HH TH4DH TH4FH



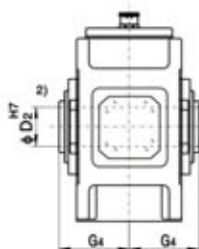
★ 输出轴

★ Output shaft

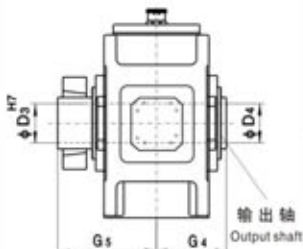
TH4SH
实心轴
Solid shaft



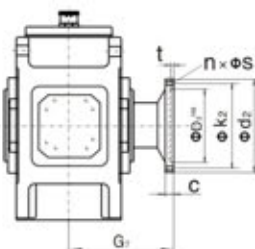
TH4HH
空心轴
Hollow shaft



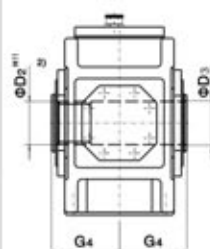
TH4DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH4FH
法兰轴
Flanged shaft



TH4KH
花键空心轴
Hollow shaft



1) .k6 ≤ Φ24 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

1) .k6 ≤ Φ24 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
四级传动
卧式安装
类型 TH4.H
规格 7...12

Helical Gear Units
Four Stage
Horizontal
Type TH4.H
Sizes 7...12

规格 Size	尺寸 mm Dimensions in mm							
	输入轴 Input shaft							
	$i_N=100-180$		$i_N=125-224$		$i_N=200-355$		$i_N=250-450$	
	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1
7	30	50			24	40		180
8			30	50			24	180
9	35	60			28	50		215
10			35	60			28	215
11	45	100			32	80		250
12			45	100			32	250

规格 Size	尺寸 mm Dimensions in mm																	
	减速器 Gear units																	
	a	b	c	c_1	D_5	E	f_1	g	h	h_4	H	m_1	m_3	n_1	n_2	n_3	n_4	s
7	845	300	35	36	28	495	37	114	280	200	602	605	260	120	130	560	215	24
8	950	300	35	36	28	540	37	114	280	200	617	710	260	120	190	605	215	24
9	1000	370	40	45	36	580	43	140	320	230	697	710	320	145	155	660	245	28
10	1100	380	40	45	36	630	43	145	320	230	697	810	320	145	205	710	245	28
11	1200	430	50	54	40	705	47	161	380	270	817	870	370	165	180	805	300	35
12	1355	430	50	54	40	775	47	161	380	270	825	1025	370	165	265	875	300	35

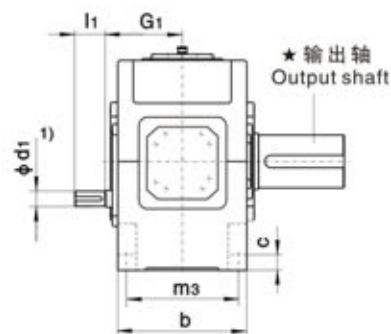
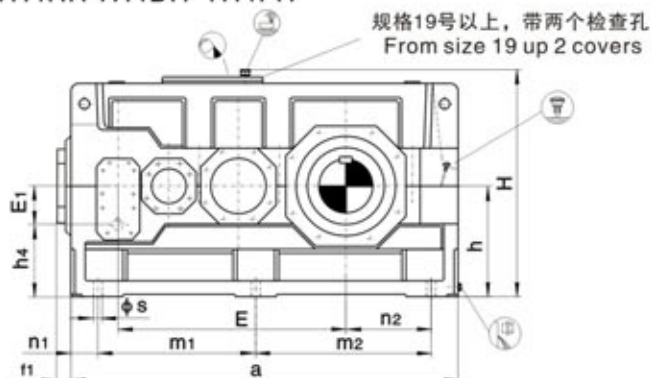
规格 Size	尺寸 mm Dimensions in mm																
	输出轴 Output shaft																
	TH4SH			TH4HH		TH4DH				TH4FH						TH4KH	
	$d_2^{1)}$	G_2	l_2	$D_2^{2)}$	G_4	D_3	D_4	G_4	G_5	c	d_2	D_3	k_2	$n \times s$	t	G_7	
7	120	195	210	115	195	120	120	195	280	30	370	180	320	16×26	10	300	见 (394-397) 页
8	130	195	250	125	195	130	130	195	285	30	390	190	340	18×26	10	300	
9	140	235	250	135	235	140	145	235	330	38	430	220	380	20×26	12	350	
10	160	235	300	150	235	150	155	235	350	38	470	240	420	22×26	12	350	
11	170	270	300	165	270	165	170	270	400	42	510	260	450	18×33	12	400	
12	180	270	300	180	270	180	185	270	405	42	540	280	480	22×33	12	400	

润滑油 Lubrication (L)	重量 / Weight kg	
	TH4SH TH4HH TH4DH	TH4FH
25	550	600
27	645	700
48	875	960
50	1010	110
80	1460	1590
87	1725	1865

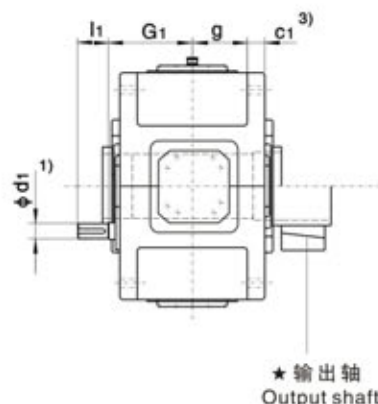
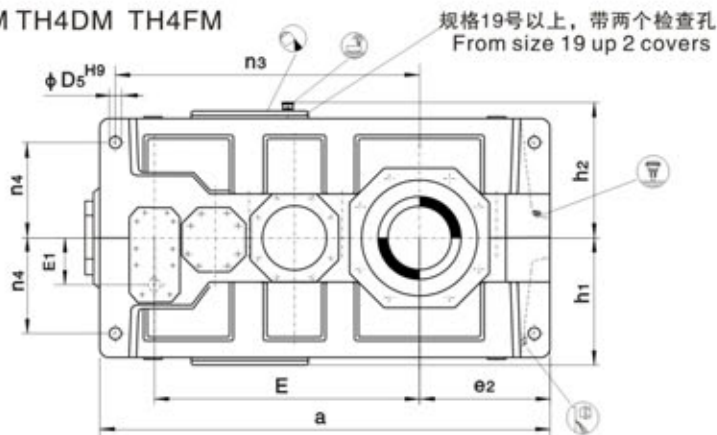
平行轴减速器
四级传动
卧式安装
类型 TH4.H, TH4.M
规格 13...22

Helical Gear Units
Four Stage
Horizontal
Types TH4.H, TH4.M
Sizes 13...22

TH4SH TH4HH TH4DH TH4FH



TH4HM TH4DM TH4FM

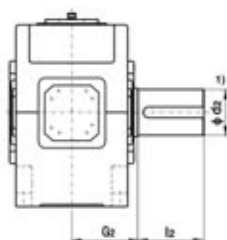


★ 输出轴

★ Output shaft

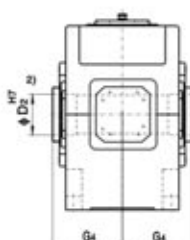
TH4SH

实心轴
Solid shaft



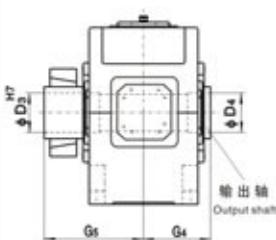
TH4HH TH4HM

空心轴
Hollow shaft



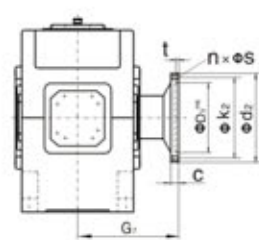
TH4DH TH4DM

带胀紧盘的空心轴
Hollow shaft for shrink disk



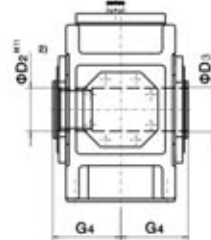
TH4FH TH4FM

法兰轴
Flanged shaft



TH4KH

花键空心轴
Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽GB/T1095-1979

3) .扭力支撑位于工作机侧

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
四级传动
卧式安装
类型 TH4.H, TH4.M
规格 13...22

Helical Gear Units
Four Stage
Horizontal
Types TH4.H, TH4.M
Sizes 13...22

规格 Size	尺寸 mm Dimensions in mm												
	输入轴 Input shaft												
	$i_N=100-180$		$i_N=112-200$		$i_N=125-224$		$i_N=200-355$		$i_N=224-400$		$i_N=250-450$		G_1
$d_1^{(1)}$	l_1	$d_1^{(1)}$	l_1	$d_1^{(1)}$	l_1	$d_1^{(1)}$	l_1	$d_1^{(1)}$	l_1	$d_1^{(1)}$	l_1		
13	50	100					38	80					305
14					50	100					38	80	305
15	60	135					50	110					345
16			60	135					50	110			345
17	60	105					50	80					380
18			60	105					50	80			380
19	75	105					60	105					440
20			75	105					60	105			440
21	90	165					70	140					460
22			90	165					70	140			460

规格 Size	尺寸 mm Dimensions in mm											
	减 速 器 Gear units											
	a	b	c	c_1	D_5	e_2	E	E_1	f_1	g	h	
13	1395	550	60	61	48	405	820	130	47	211.5	440	
14	1535	550	60	61	48	475	890	130	47	211.5	440	
15	1680	625	70	72	55	485	987	160	56	238	500	
16	1770	625	70	72	55	530	1033	160	56	238	500	
17	1770	690	80	81	55	525	1035	160	53	259	550	
18	1890	690	80	81	55	585	1095	160	53	259	550	
19	2030	790	90	91	65	590	1190	185	53	299	620	
20	2150	790	90	91	65	650	1250	185	53	299	620	
21	2340	830	100	100	75	655	1387	225	62	310	700	
22	2450	830	100	100	75	710	1442	225	62	310	700	

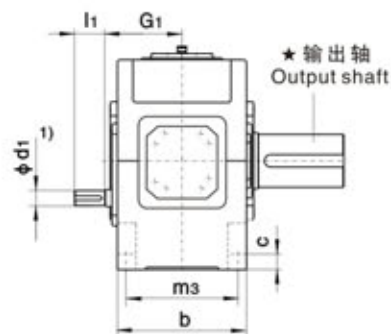
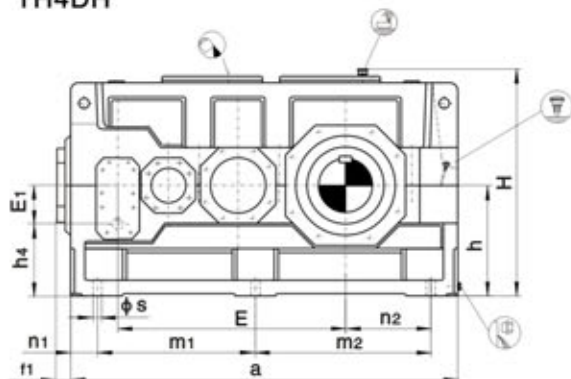
规格 Size	尺寸 mm Dimensions in mm											
	减 速 器 Gear units											
	h_1	h_2	h_4	H	m_1	m_2	m_3	n_1	n_2	n_3	n_4	s
13	450	495	310	935	597.5	597.5	475	100	305	940	340	35
14	450	495	310	935	597.5	737.5	475	100	375	1010	340	35
15	490	535	340	1035	720	720	535	120	365	1135	375	42
16	490	535	340	1035	720	810	535	120	410	1180	375	42
17	555	595	390	1145	750	750	600	135	390	1175	425	42
18	555	595	390	1145	750	870	600	135	450	1235	425	42
19	615	655	435	1275	860	860	690	155	435	1365	475	48
20	615	655	435	1275	860	980	690	155	495	1425	475	48
21	685	725	475	1425	1000	1000	720	170	485	1615	520	56
22	685	725	475	1425	1000	1110	720	170	540	1670	520	56

规格 Size	尺 寸 mm Dimensions in mm																	润滑油 Lubrication		重量 / Weight				
	输 出 轴 Output shaft																	TH4KH TH4KM	TH4.H	TH4.M	TH4SH TH4HH TH4DH	TH4HM TH4DM	TH4FH	TH4FM
	TH4SH		TH4HH TH4HM		TH4DH		TH4DM		TH4FH				TH4FM											
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	c	d ₂	D ₃	k ₂	n × s	t	G ₇	(L)	(L)	kg					
13	200	335	350	190	335	190	195	335	480	48	580	310	500	20 × 33	14	480	130	120	2390	2270	2550	2430		
14	210	335	350	210	335	210	215	335	480	48	620	310	540	24 × 33	14	480	140	125	2730	2600	2900	2770		
15	230	380	410	230	380	230	235	380	550	55	710	360	630	28 × 33	17	550	230	170	3635	3440	3875	3680		
16	240	380	410	240	380	240	245	380	550	55	740	360	660	30 × 33	17	550	235	175	3965	3740	4220	3995		
17	250	415	410	250	415	250	260	415	600	60	750	410	660	24 × 39	18	600	290	225	4680	4445	4980	4745		
18	270	415	470	275	415	280	285	415	600	60	800	410	710	26 × 39	18	600	305	230	5185	4915	5535	5265		
19	290	465	470	—	—	285	295	465	670	65	860	460	770	30 × 39	18	670	430	310	6800	6300				
20	300	465	500	—	—	310	315	465	670	65	930	460	830	32 × 39	18	670	380	330	8200	7700				
21	320	490	500	—	—	330	335	490	715	75	950	520	850	28 × 45	20	710	395	430	9200	8600				
22	340	490	550	—	—	340	345	490	725	75	1040	520	940	28 × 45	20	710	420	450	9900	9400				

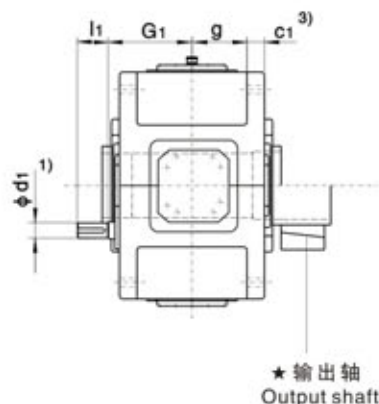
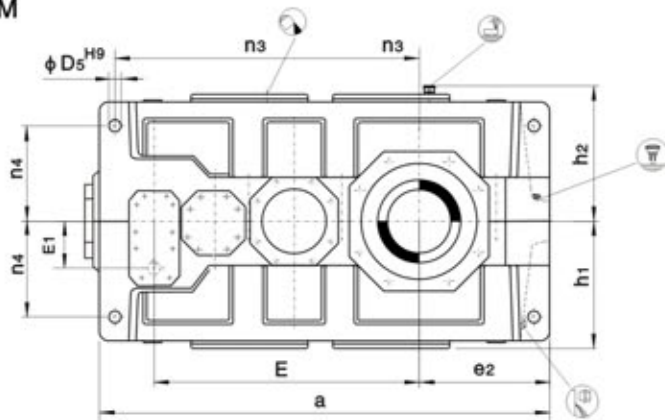
平行轴减速器
四级传动
卧式安装
类型 TH4.H, TH4DM
规格 23...26

Helical Gear Units
Four Stage
Horizontal
Types TH4.H, TH4DM
Sizes 23...26

TH4SH TH4DH



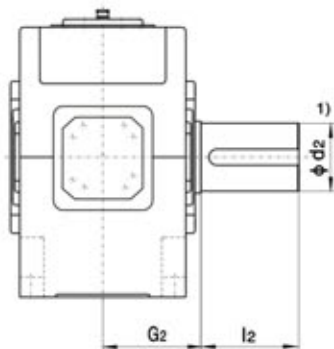
TH4DM



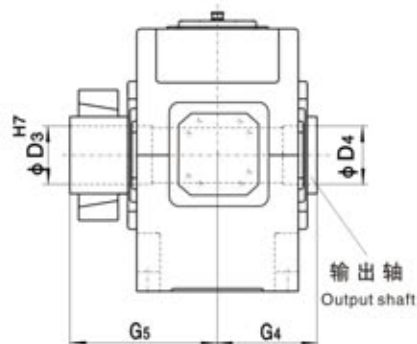
★ 输出轴

★ Output shaft

TH4SH
实心轴
Solid shaft



TH4DH TH4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



1) .m6 ≤ Φ100 n6 > Φ100

有关键和中心孔, 参见第 3 页

2) .键槽 GB/T 1095-1979

3) .扭力支撑位于工作机侧

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
四级传动
卧式安装
类型 TH4.H, TH4DM
规格 23...26

Helical Gear Units
Four Stage
Horizontal
Types TH4.H, TH4DM
Sizes 23...26

规格 Size	尺寸 mm				Dimensions in mm				
	输入轴				Input shaft				
	$i_N = 100-180$		$i_N = 112-200$		$i_N = 200-355$		$i_N = 224-400$		G_1
	d_1	l_1	d_1	l_1	d_1	l_1	d_1	l_1	
23	90	165			70	105			505
24			90	165			70	105	505
25	100	205			85	170			565
26			100	205			85	170	565

规格 Size	尺寸 mm				Dimensions in mm							
	减速器				Gear units							
	a	b	c	c_1	D_5	e_2	E	E_1	h_a	f_1	g	s
23	2530	930	115	120	80	730	1505	225	555	35	342	56
24	2660	930	115	120	80	795	1570	225	555	35	342	56
25	2830	1045	130	120	90	790	1695	265	595	65	400	66
26	3010	1045	130	120	90	880	1785	265	595	65	400	66

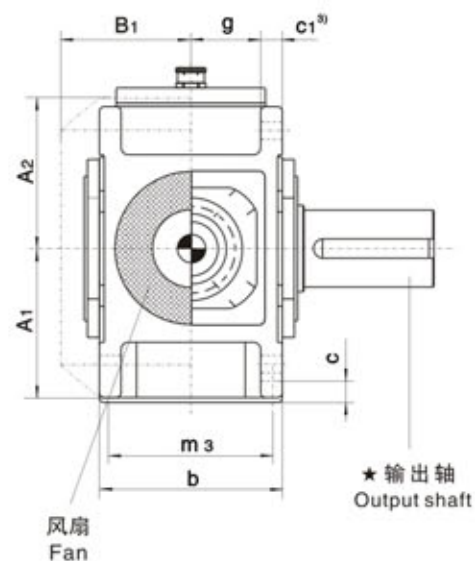
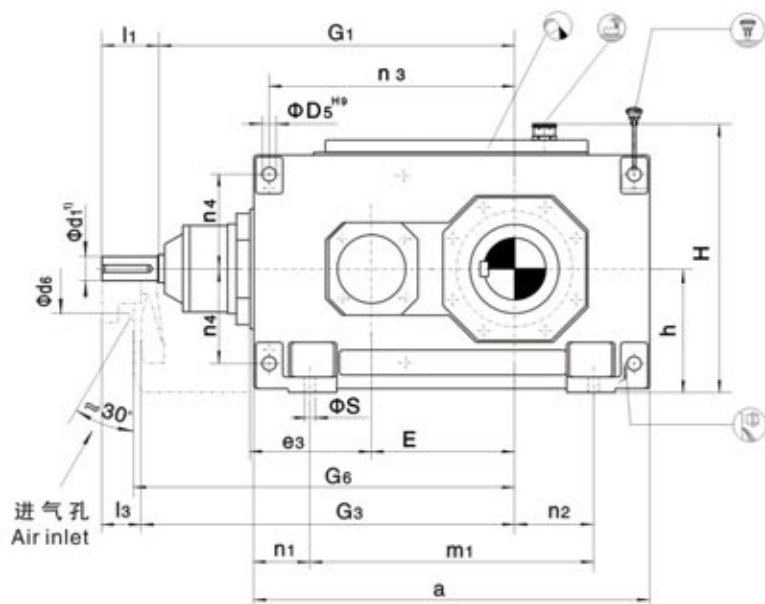
规格 Size	尺 寸 mm				Dimensions in mm						
	减 速 器				Gear units						
	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄
23	780	770	835	1615	1085	1085	810	180	550	1725	580
24	780	770	835	1615	1085	1215	810	180	615	1790	580
25	860	860	905	1765	1215	1215	910	200	590	1965	660
26	860	860	905	1765	1215	1395	910	200	680	2055	660

规格 Size	尺 寸 mm			Dimensions in mm				润滑油 Lubrication		重量	Weight
	输 出 轴			Output shaft				TH4.H (L)	TH4DM (L)	TH4.H (kg)	TH4DM (kg)
	TH4SH			TH4DH,TH4DM							
	d ₂	G ₂	l ₂	D ₃	D ₄	G ₄	G ₅				
23	360	540	590	360	365	540	785	520	500	11600	10700
24	380	540	590	380	385	540	805	550	600	13500	12600
25	400	605	650	400	405	605	875	735	800	16100	15200
26	420	605	650	430	435	605	900	780	850	17600	16500

直交轴减速器
两级传动
卧式安装
类型 TB2.H
规格 1...12

Bevel-helical Gear Units
Two Stage
Horizontal
Type TB2.H
Sizes 1...12

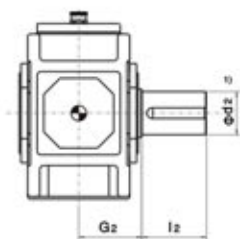
TB2SH TB2HH TB2DH TB2FH



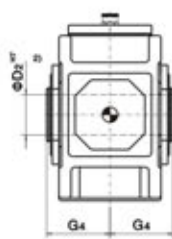
★ 输出轴

★ Output shaft

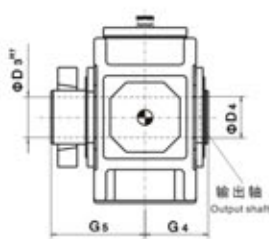
TB2SH
实心轴
Solid shaft



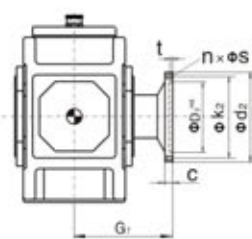
TB2HH
空心轴
Hollow shaft



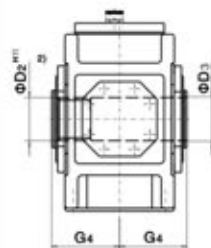
TB2DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB2FH⁴⁾
法兰轴
Flanged shaft



TB2KH
花键空心轴
Hollow shaft



1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .法兰轴安装尺寸及重量敬请垂询

1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
两级传动
卧式安装
类型 TB2.H
规格 1...12

Bevel-helical Gear Units
Two Stage
Horizontal
Type TB2.H
Sizes 1...12

规格 Size	尺寸 mm 输入轴						Dimensions in mm Input shaft				
	$i_N=5-11.2$			$i_N=6.3-14$			$i_N=12.5-18$			G_1	G_3
	$d_1^{1)}$	l_1	l_3	$d_1^{1)}$	l_1	l_3	$d_1^{1)}$	l_1	l_3		
1	28	55	40				20	50	35	300	315
2	30	70	50				25	60	40	340	360
3	35	80	60				28	60	40	390	410
4	45	100	80							465	485
5	55	110	80							535	565
6				55	110	80				570	600
7	70	135	105							640	670
8				70	135	105				685	715
9	80	165	130							755	790
10				80	165	130				805	840
11	90	165	130							925	960
12				90	165	130				995	1030

规格 Size	尺寸 mm 减速器												Dimensions in mm Gear units	
	a	A_1	A_2	b	B_1	c	c_1	D_5	d_6	e_3	E	g		
1	305	125	130	180	128	18	16	12	110	90	90	74		
2	355	140	145	205	143	18	20	14	110	110	110	82.5		
3	405	170	170	225	163	22	24	18	120	130	130	88.5		
4	505	195	200	270	188	28	30	24	150	160	160	105		
5	565	220	235	320	215	28	30	24	160	185	185	130		
6	645	220	235	320	215	28	30	24	160	185	220	130		
7	690	270	285	380	250	35	36	28	210	225	225	154		
8	795	270	285	380	250	35	36	28	210	225	270	154		
9	820	310	325	440	270	40	48	36	195	265	265	172		
10	920	310	325	440	270	40	48	36	195	265	315	172		
11	975	370	385	530	328	50	54	40	210	320	320	211		
12	1130	370	385	530	328	50	54	40	210	320	390	211		

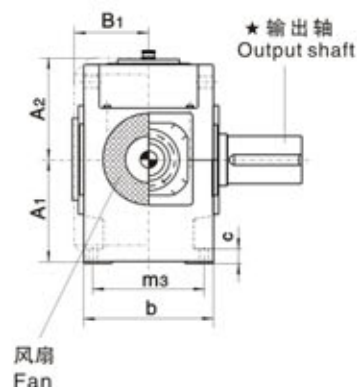
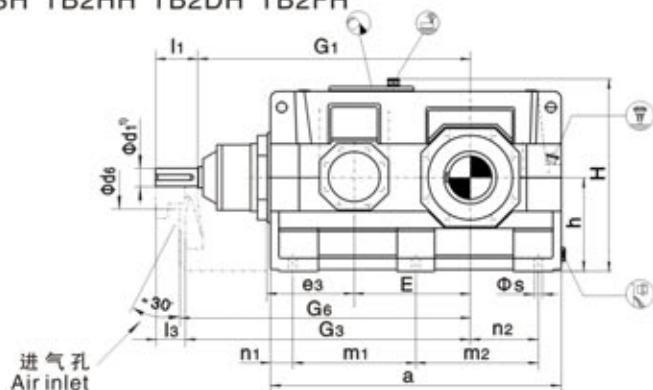
规格 Size	尺寸 mm 减 速 器					Dimensions in mm Gear units				
	G ₆	h	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s
1	325	130	305	185	155	60	70	160	105	12
2	370	145	335	225	180	65	75	195	115	12
3	420	175	390	245	195	80	70	235	132.5	15
4	495	200	445	295	235	105	85	285	150	19
5	575	230	512	355	285	105	100	330	180	19
6	610	230	512	435	285	105	145	365	180	19
7	685	280	612	450	340	120	130	405	215	24
8	730	280	617	555	340	120	190	450	215	24
9	805	320	697	530	390	145	155	480	245	28
10	855	320	697	630	390	145	205	530	245	28
11	980	380	825	645	470	165	180	580	300	35
12	1050	380	825	800	470	165	265	650	300	35

规格 Size	尺寸 mm Output shaft									润滑油 Lubrication (L)	重量 Weight (kg)	
	TB2SH			TB2HH		TB2DH						TB2KH
	$d_2^{(1)}$	G_2	l_2	$D_2^{(2)}$	G_4	D_3	D_4	G_4	G_5			
1	45	120	80		—	—	—	—	—	见 (394-397) 页	2	65
2	55	135	110	55	135	60	60	135	180		4	90
3	65	145	140	65	145	70	70	145	200		6	140
4	80	170	170	80	170	85	85	170	235		10	235
5	100	200	210	95	200	100	100	200	275		16	360
6	110	200	210	105	200	110	110	200	275		19	410
7	120	235	210	115	235	120	120	235	320		31	615
8	130	235	250	125	235	130	130	235	325		34	700
9	140	270	250	135	270	140	145	270	365		48	1000
10	160	270	300	150	270	150	155	270	385		50	1155
11	170	320	300	165	320	165	170	320	450		80	1640
12	180	320	300	180	320	180	185	320	455		95	1910

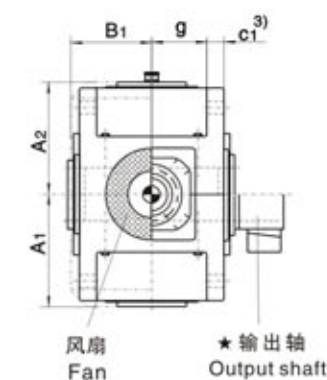
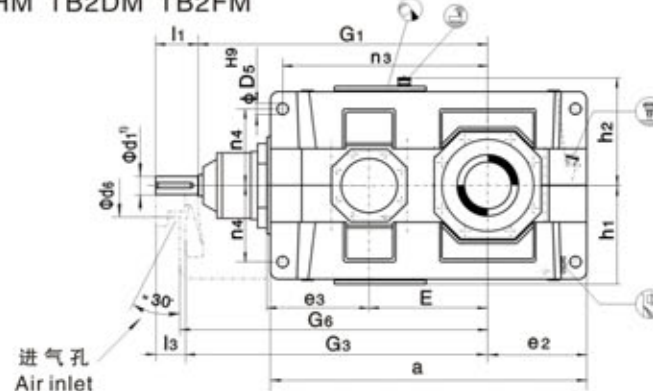
直交轴减速器
两级传动
卧式安装
类型 TB2.H, TB2.M
规格 13...18

Bevel-helical Gear Units
Two Stage
Horizontal
Types TB2.H, TB2.M
Sizes 13...18

TB2SH TB2HH TB2DH TB2FH



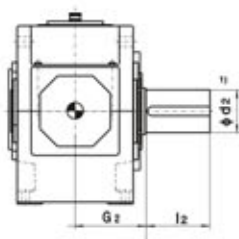
TB2HM TB2DM TB2FM



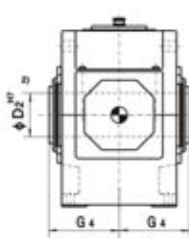
★ 输出轴

★ Output shaft

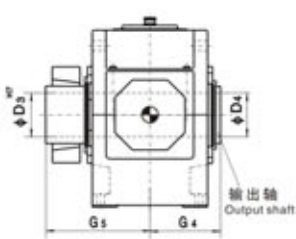
TB2SH
实心轴
Solid shaft



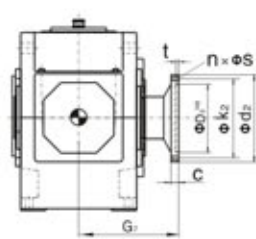
TB2HH TB2HM
空心轴
Hollow shaft



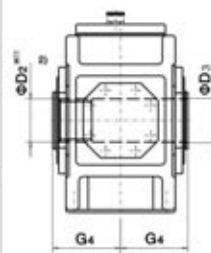
TB2DH TB2DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB2FH TB2FM⁴⁾
法兰轴
Flanged shaft



TB2KH
花键空心轴
Hollow shaft



- 1) $.m_6 \leq \phi 100$ $n_6 > \phi 100$
有关平键和中心孔, 参见第 3 页
- 2) 键槽 GB/T 1095-1979
- 3) 扭力支撑位于工作机侧
- 4) 法兰轴安装尺寸及重量敬请垂询

- 1) $.m_6 \leq \phi 100$ $n_6 > \phi 100$
For parallel key and for centre hole, see page 3
- 2) Keyway GB/T 1095-1979
- 3) Torque support on driven machine side
- 4) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
两级传动
卧式安装
类型 TB2.H, TB2.M
规格 13...18

Bevel-helical Gear Units
Two Stage
Horizontal
Types TB2.H, TB2.M
Sizes 13...18

规格 Size	尺寸 mm Dimensions in mm														
	输入轴 Input shaft														
	$i_N=5-11.2$			$i_N=5.6-11.2$			$i_N=5.6-12.5$			$i_N=6.3-14$			$i_N=7.1-12.5$		
	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3
13	110	205	165												
14										110	205	165			
15	130	245	200												
16							130	245	200						
17				150	245	200									
18													150	245	200

规格 Size	尺 寸 mm						Dimensions in mm						
	减 速 器						Gear units						
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₆	D ₅	e ₂	e ₃	E	g
13	1130	430	450	655	375	60	61	245	48	405	380	370	264
14	1270	430	450	655	375	60	61	245	48	475	380	440	264
15	1350	490	495	765	435	70	72	280	55	485	450	442	308
16	1440	490	495	765	435	70	72	280	55	530	450	488	308
17	1490	540	555	885	505	80	81	380	65	525	510	490	356
18	1610	540	555	885	505	80	81	380	65	585	510	550	356

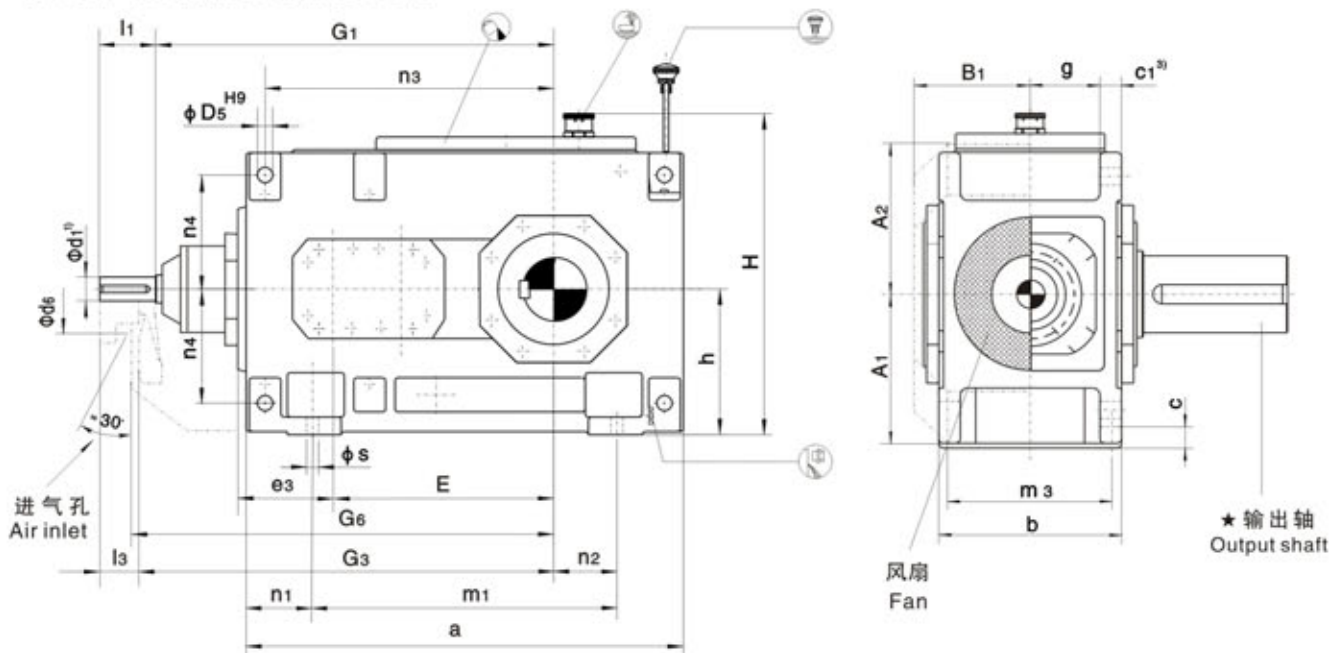
规格 Size	尺 寸 mm Dimensions in mm												
	减 速 器 Gear units												
	G ₆	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	1130	440	450	495	935	465	465	580	100	305	675	340	35
14	1200	440	450	495	935	465	605	580	100	375	745	340	35
15	1340	500	490	535	1035	555	555	670	120	365	805	375	42
16	1385	500	490	535	1035	555	645	670	120	410	850	375	42
17	1500	550	555	595	1145	610	610	780	135	390	895	420	48
18	1560	550	555	595	1145	610	730	780	135	450	955	420	48

规格 Size	尺 寸 mm Dimensions in mm										润 滑 油 Lubrication		重 量 Weight	
	输 出 轴 Output shaft										TB2.H (L)	TB2.M (L)	TB2.H (kg)	TB2.M (kg)
	TB2SH			TB2HHTB2HM		TB2DH		TB2DM		TB2KH TB2KM				
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅					
13	200	390	350	-	-	-	-	-	-	见 (394-397) 页	140	120	2450	2350
14	210	390	350	210	390	210	215	390	535		155	130	2825	2725
15	230	460	410	-	-	-	-	-	-		220	180	3990	3795
16	240	460	410	240	450	240	245	450	620		230	190	4345	4160
17	250	540	410	-	-	-	-	-	-		320	260	5620	5320
18	270	540	470	275	510	280	285	510	700		335	275	6150	5860

直交轴减速器
三级传动
卧式安装
类型 TB3.H
规格 3...12

Bevel-helical Gear Units
Three Stage
Horizontal
Type TB3.H
Sizes 3...12

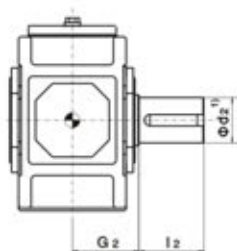
TB3SH TB3HH TB3DH TB3FH



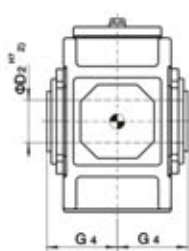
★ 输出轴

★ Output shaft

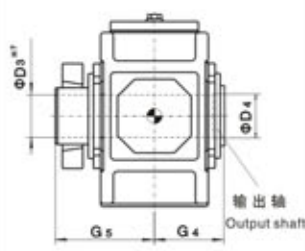
TB3SH
实心轴
Solid shaft



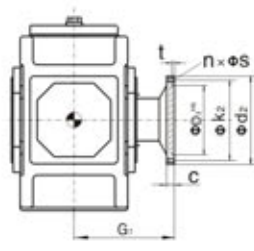
TB3HH
空心轴
Hollow shaft



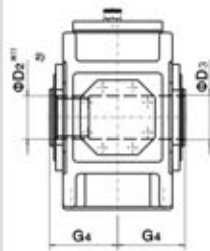
TB3DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB3FH⁴⁾
法兰轴
Flanged shaft



TB3KH
花键空心轴
Hollow shaft



1) $.k_6 \leq \phi 25$ $\phi 28 \leq m_6 \leq \phi 100$ $n_6 > \phi 100$

有关平键和中心孔, 参见第 3 页

2) 键槽 GB/T 1095-1979

3) 扭力支撑位于工作机侧

4) 法兰轴安装尺寸及重量敬请垂询

1) $.k_6 \leq \phi 25$ $\phi 28 \leq m_6 \leq \phi 100$ $n_6 > \phi 100$

For parallel key and for centre hole, see page 3

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
三级传动
卧式安装
类型 TB3.H
规格 3...12

Bevel-helical Gear Units
Three Stage
Horizontal
Type TB3.H
Sizes 3...12

规格 Size	尺寸 mm 输入轴															Dimensions in mm Input shaft	
	$i_N=12.5-45$			$i_N=16-56$			$i_N=20-45$			$i_N=50-71$			$i_N=63-90$			G ₁	G ₃
	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3	$d_1^{(1)}$	l_1	l_3		
3							28	55	40	20	50	35				430	445
4	30	70	50							25	60	40				500	520
5	35	80	60							28	60	40				575	595
6				35	80	60							28	60	40	610	630
7	45	100	80							35	80	60				690	710
8				45	100	80							35	80	60	735	755
9	55	110	80							40	100	70				800	830
10				55	110	80							40	100	70	850	880
11	70	135	105							50	110	80				960	990
12				70	135	105							50	110	80	1030	1060

规格 Size	尺寸 mm 减速器												Dimensions in mm Gear units			
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₆	D ₅	e ₃	E	g				
3	450	170	170	190	128	22	24	90	18	90	220	71				
4	565	195	200	215	143	28	30	110	24	110	270	77.5				
5	640	220	235	255	168	28	30	130	24	130	315	97.5				
6	720	220	235	255	168	28	30	130	24	130	350	97.5				
7	785	275	275	300	193	35	36	165	28	160	385	114				
8	890	275	275	300	193	35	36	165	28	160	430	114				
9	925	315	325	370	231	40	45	175	36	185	450	140				
10	1025	315	325	380	231	40	45	175	36	185	500	140				
11	1105	370	385	430	263	50	54	190	40	225	545	161				
12	1260	370	385	430	263	50	54	190	40	225	615	161				

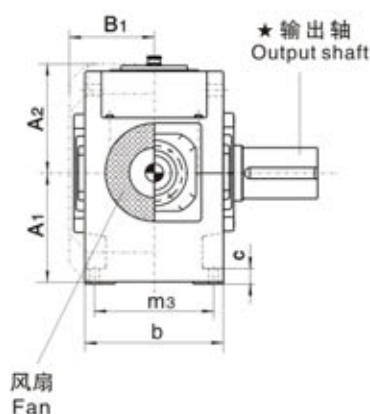
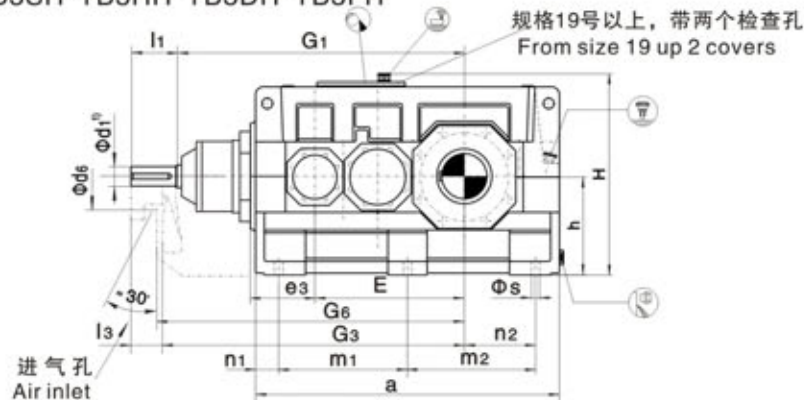
规格 Size	尺寸 mm					Dimensions in mm				
	减 速 器					Gear units				
	G ₆	h	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s
3	455	175	390	290	160	80	65	285	132.5	15
4	530	200	445	355	180	105	85	345	150	19
5	605	230	512	430	220	105	100	405	180	19
6	640	230	512	510	220	105	145	440	180	19
7	720	280	602	545	260	120	130	500	215	24
8	765	280	617	650	260	120	190	545	215	24
9	845	320	697	635	320	145	155	585	245	28
10	895	320	697	735	320	145	205	635	245	28
11	1010	380	817	775	370	165	180	710	300	35
12	1080	380	825	930	370	165	265	780	300	35

规格 Size	尺寸 mm Dimensions in mm										润滑油 Lubrication (L)	重 量 Weight (kg)
	输出轴 Output shaft											
	TB3SH			TB3HH		TB3DH				TB3KH		
	$d_2^{1)}$	G ₂	l ₂	$D_2^{2)}$	G ₄	D ₃	D ₄	G ₄	G ₅	见 (394-397) 页		
3	65	125	140	65	125	70	70	125	180		6	130
4	80	140	170	80	140	85	85	140	205		9	210
5	100	165	210	95	165	100	100	165	240		14	325
6	110	165	210	105	165	110	110	165	240		15	380
7	120	195	210	115	195	120	120	195	280		25	550
8	130	195	250	125	195	130	130	195	285		28	635
9	140	235	250	135	235	140	145	235	330		40	890
10	160	235	300	150	235	150	155	235	350		42	1020
11	170	270	300	165	270	165	170	270	400		66	1455
12	180	270	300	180	270	180	185	270	405	72	1730	

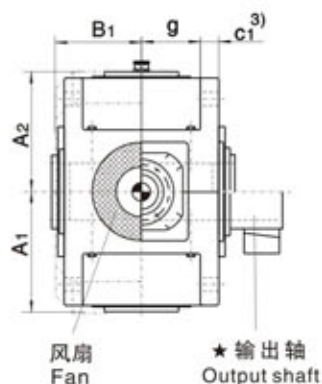
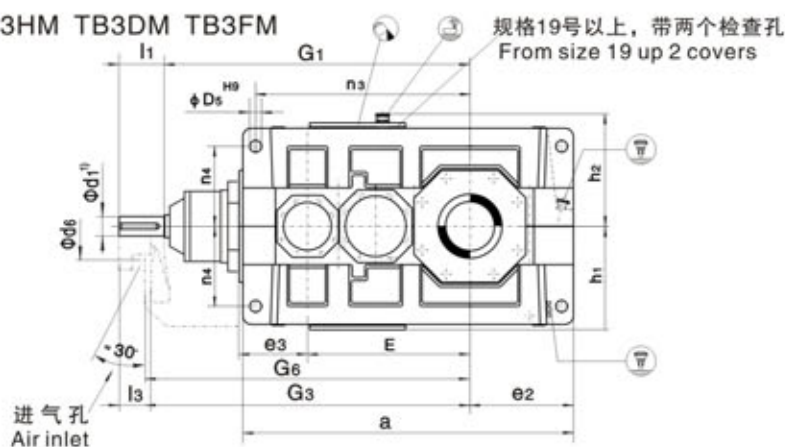
直交轴减速器
三级传动
卧式安装
类型TB3.H, TB3.M
规格13...22

Bevel-helical Gear Units
Three Stage
Horizontal
Types TB3.H, TB3.M
Sizes 13...22

TB3SH TB3HH TB3DH TB3FH



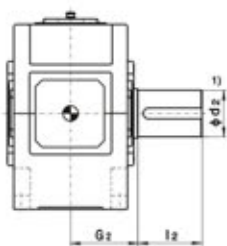
TB3HM TB3DM TB3FM



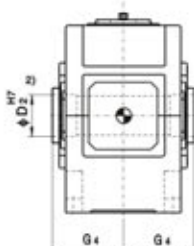
★ 输出轴

- ★ Output shaft

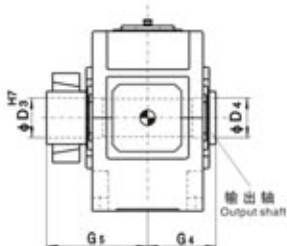
TB3SH
实心轴
Solid shaft



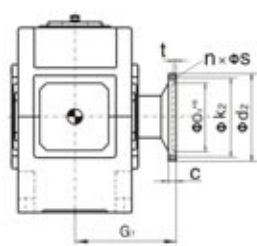
TB3HH TB3HM
空心轴
Hollow shaft



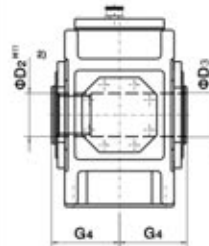
TB3DH TB3DM
帶脹緊盤的空心軸
Hollow shaft for shrink disk



TB3FH TB3FM ⁴⁾
法兰轴
Flanged shaft



TB3KH
花键空心轴
Hollow shaft



- 1) $m_6 \leq \Phi 100$ $n_6 > \Phi 100$
有关平键和中心孔, 参见第 3 页
- 2) 键槽 GB/T 1095-1979
- 3) 扭力支撑位于工作机侧
- 4) 法兰轴安装尺寸及重量敬请垂询

- 1) $.m_6 \leq \Phi 100$ $n_6 > \Phi 100$
For parallel key and for centre hole, see page 3
- 2). Keyway GB/T 1095-1979
- 3). Torque support on driven machine side
- 4). Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
三级传动
卧式安装
类型 TB3.H,,TB3.M
规格 13...22

Bevel-helical Gear Units
Three Stage
Horizontal
Types TB3.H,TB3.M
Sizes 13...22

规格 Size	尺寸 mm Input shaft																		Dimensions in mm	
	i _N =12.5-45			i _N =14-50			i _N =16-56			i _N =50-71			i _N =56-80			i _N =63-90			G ₁	G ₃
	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃		
13	80	165	130							60	140	105							1125	1160
14							80	165	130							60	140	105	1195	1230
15	90	165	130							70	140	105							1367	1402
16				90	165	130							70	140	105				1413	1448
17	110	205	165							80	170	130							1560	1600
18				110	205	165							80	170	130				1620	1660
19	130	245	200							100	210	165							1832	1877
20				130	245	200							100	210	165				1892	1937
21	130	245	200							100	210	165							1902	1947
22				130	245	200							100	210	165				1957	2002

规格 Size	尺寸 mm 减 速 器						Dimensions in mm Gear units						
	a	A ₁	A ₂	b	B ₁	c	c ₁	d ₆	D ₅	e ₂	e ₃	E	g
13	1290	425	475	550	325	60	61	210	48	405	265	635	211.5
14	1430	425	475	550	325	60	61	210	48	475	265	705	211.5
15	1550	485	520	625	365	70	72	210	55	485	320	762	238
16	1640	485	520	625	365	70	72	210	55	530	320	808	238
17	1740	535	570	690	395	80	81	230	55	525	370	860	259
18	1860	535	570	690	395	80	81	230	55	585	370	920	259
19	2010	610	630	790	448	90	91	245	65	590	420	997	299
20	2130	610	630	790	448	90	91	245	65	650	420	1057	299
21	2140	690	690	830	473	100	100	280	75	655	450	1067	315
22	2250	690	690	830	473	100	100	280	75	710	450	1122	315

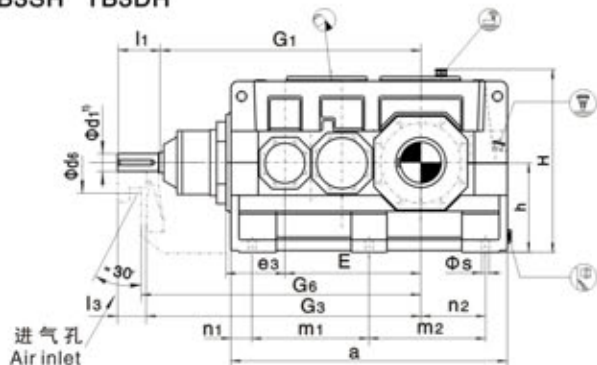
规格 Size	尺寸 mm 减 速 器					Dimensions in mm Gear units							
	G ₆	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	1180	440	450	495	935	545	545	475	100	305	835	340	35
14	1250	440	450	495	935	545	685	475	100	375	905	340	35
15	1420	500	490	535	1035	655	655	535	120	365	1005	375	42
16	1470	500	490	535	1035	655	745	535	120	410	1050	375	42
17	1620	550	555	595	1145	735	735	600	135	390	1145	425	42
18	1680	550	555	595	1145	735	855	600	135	450	1205	425	42
19	1900	620	615	655	1275	850	850	690	155	435	1345	475	48
20	1960	620	615	655	1275	850	970	690	155	495	1405	475	48
21	1970	700	685	725	1425	900	900	720	170	485	1400	520	56
22	2025	700	685	725	1425	900	1010	720	170	540	1455	520	56

规格 Size	尺寸 mm Output shaft									润滑油 Lubrication		重量 Weight		
	TB3SH			TB3HHTB3HM		TB3DH		TB3DM		TB3KM TB3KH	TB3.H	TB3.M	TB3.H	TB3.M
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G	D ₃	D ₄	G ₄	G ₅		(L)	(L)	(kg)	(kg)
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	130	110	2380	2260
14	210	335	350	210	335	210	215	335	480		140	115	2750	2615
15	230	380	410	230	380	230	235	380	550		210	160	3730	3540
16	240	380	410	240	380	240	245	380	550		220	165	3955	3765
17	250	415	410	250	415	250	260	415	600		290	230	4990	4760
18	270	415	470	275	415	280	285	415	600		300	235	5495	5240
19	290	465	470	-	-	285	295	465	670		380	360	7000	6500
20	300	465	500	-	-	310	315	465	670		440	420	8100	7600
21	320	490	500	-	-	330	335	490	715		370	420	9200	8600
22	340	490	550	-	-	340	345	490	725		430	490	9900	9400

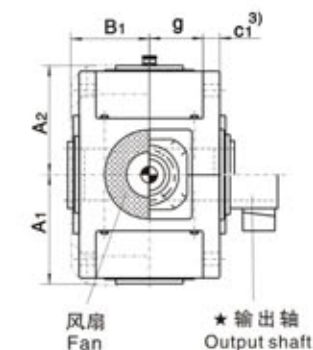
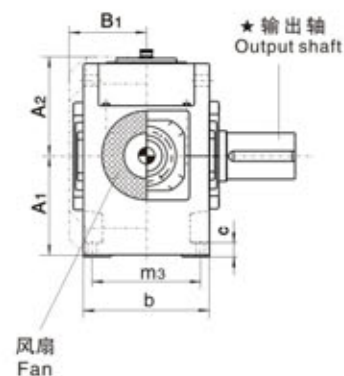
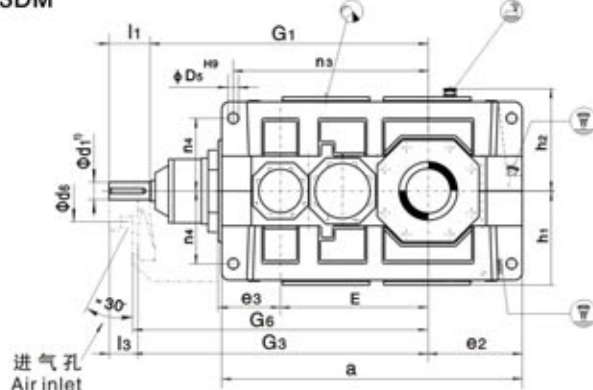
直交轴减速器
三级传动
卧式安装
类型 TB3.H, TB3DM
规格 23...26

Bevel-helical Gear Units
Three Stage
Horizontal
Types TB3.H, TB3DM
Sizes 23...26

TB3SH TB3DH



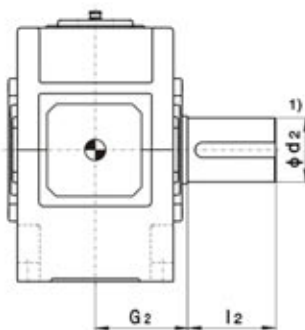
TB3DM



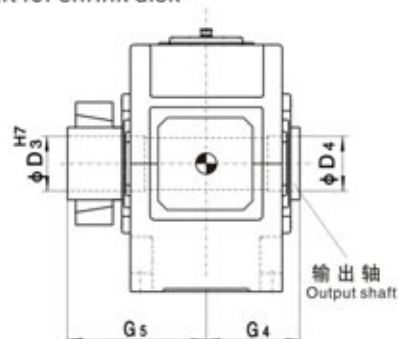
★ 输出轴

★ Output shaft

TB3SH
实心轴
Solid shaft



TB3DH TB3DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



- 1) .m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页
2) .键槽 GB/T1095-1979
3) .扭力支撑位于工作机侧

- 1) .m6 ≤ Φ100 n6 > Φ100
For parallel key and for centre hole, see page 3
2) .Keyway GB/T 1095-1979
3) .Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
三级传动
卧式安装
类型 TB3.H,,TB3DM
规格 23...26

Bevel-helical Gear Units
Three Stage
Horizontal
Types TB3.H,TB3DM
Sizes 23...26

规格 Size	尺寸 mm												Dimensions in mm	
	输入轴												Input shaft	
	$i_N = 20-45$			$i_N = 22.4-50$			$i_N = 50-71$			$i_N = 56-80$			G ₁	G ₃
	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃	d ₁	l ₁	l ₃		
23	150	245	200				110	210	165				2130	2175
24				150	245	200				110	210	165	2195	2240
25	150	245	200				110	210	165				2270	2315
26				150	245	200				110	210	165	2360	2405

规格 Size	尺寸 mm												Dimensions in mm	
	减速器												Gear units	
	a	A ₁	A ₂	b	B ₁	G ₆	c	c ₁	d ₆	D ₅	e ₂	e ₃	E	
23	2380	770	770	930	528	2200	115	120	350	80	730	490	1185	
24	2510	770	770	930	528	2265	115	120	350	80	795	490	1250	
25	2580	845	865	1045	585	2315	130	120	380	90	790	490	1325	
26	2760	845	865	1045	585	2430	130	120	380	90	880	490	1415	

规格 Size	尺寸 mm												Dimensions in mm	
	减速器												Gear units	
	g	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s	
23	342	780	770	835	1615	1010	1010	810	180	550	1560	580	56	
24	342	780	770	835	1615	1010	1140	810	180	615	1625	580	56	
25	400	860	860	905	1765	1090	1090	910	200	590	1685	660	66	
26	400	860	860	905	1765	1090	1270	910	200	680	1775	660	66	

规格 Size	尺 寸 mm			Dimensions in mm				润滑油 Lubrication		重 量	Weight
	输 出 轴			Output shaft				TB3.H (L)	TB3DM (L)	TB3.H (kg)	TB3DM (kg)
	TB3SH			TB3DH,TB3DM							
	d ₂	G ₂	l ₂	D ₃	D ₄	G ₄	G ₅				
23	360	540	590	360	365	540	785	520	560	11500	10600
24	380	540	590	380	385	540	805	600	650	13400	12500
25	400	605	650	400	405	605	875	720	790	16000	15100
26	420	605	650	430	435	605	900	840	920	17500	16400

直交轴减速器

四级传动

卧式安装

类型 TB4.H

规格 5...12

Bevel-helical Gear Units

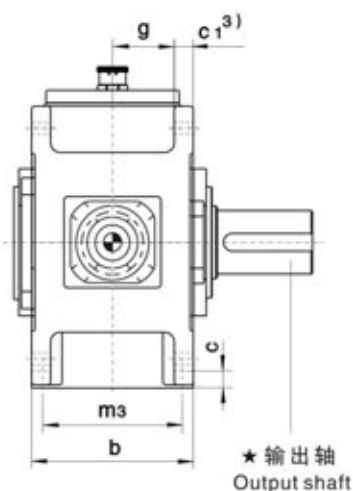
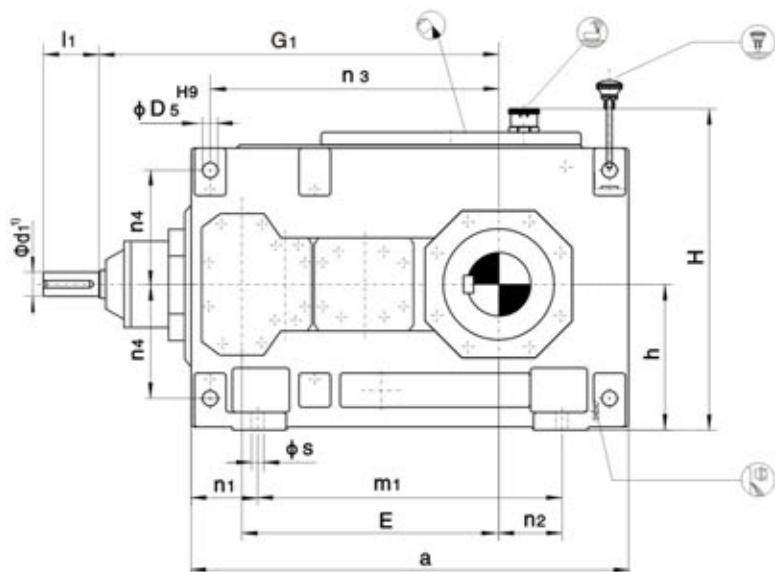
Four Stage

Horizontal

Type TB4.H

Sizes 5...12

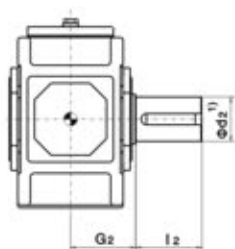
TB4SH TB4HH TB4DH TB4FH



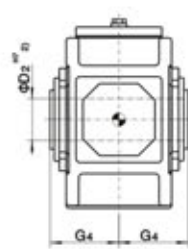
★ 输出轴

★ Output shaft

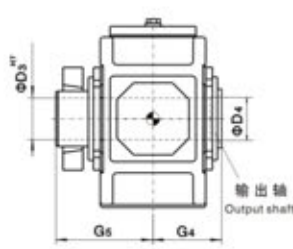
TB4SH
实心轴
Solid shaft



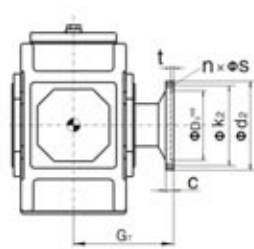
TB4HH
空心轴
Hollow shaft



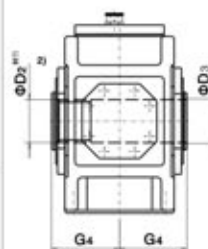
TB4DH
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB4FH⁴⁾
法兰轴
Flanged shaft



TB4KH
花键空心轴
Hollow shaft



1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .法兰轴安装尺寸及重量敬请垂询

1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
四级传动
卧式安装
类型 TB4.H
规格 5...12

Bevel-helical Gear Units
Four Stage
Horizontal
Type TB4.H
Sizes 5...12

规格 Size	尺 寸 mm								G ₁
	Dimensions in mm								
	输 入 轴				Input shaft				
	i _N =80-180		i _N =100-224		i _N =200-315		i _N =250-400		
d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁		
5	28	55			20	50			615
6			28	55			20	50	650
7	30	70			25	60			725
8			30	70			25	60	770
9	35	80			28	60			840
10			35	80			28	60	890
11	45	100			35	80			1010
12			45	100			35	80	1080

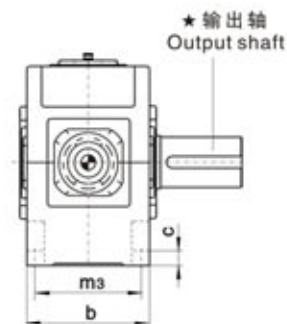
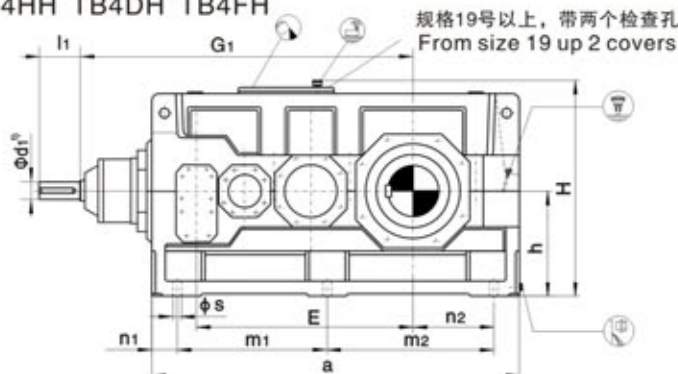
规格 Size	尺寸 mm															
	Dimensions in mm															
	减速器															
	a	b	c	c ₁	D ₅	E	g	h	H	m ₁	m ₃	n ₁	n ₂	n ₃	n ₄	s
5	690	255	28	30	24	405	97.5	230	512	480	220	105	100	455	180	19
6	770	255	28	30	24	440	97.5	230	512	560	220	105	145	490	180	19
7	845	300	35	36	28	495	114	280	602	605	260	120	130	560	215	24
8	950	300	35	36	28	540	114	280	617	710	260	120	190	605	215	24
9	1000	370	40	45	36	580	140	320	697	710	320	145	155	660	245	28
10	1100	380	40	45	36	630	140	320	697	810	320	145	205	710	245	28
11	1200	430	50	54	40	705	161	380	817	870	370	165	180	805	300	35
12	1355	430	50	54	40	775	161	380	825	1025	370	165	265	875	300	35

规格 Size	尺寸 mm Dimensions in mm 输出轴 Output shaft									润滑油 Lubrication (L)	重量 Weight (kg)	
	TB4SH			TB4HH		TB4DH						TB4KH
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅			
5	100	165	210	95	165	100	100	165	240	见 (394-397) 页	16	335
6	110	165	210	105	165	110	110	165	240		18	385
7	120	195	210	115	195	120	120	195	280		30	555
8	130	195	250	125	195	130	130	195	285		33	655
9	140	235	250	135	235	140	145	235	330		48	890
10	160	235	300	150	235	150	155	235	350		50	1025
11	170	270	300	165	270	165	170	270	400		80	1485
12	180	270	300	180	270	180	185	270	405		90	1750

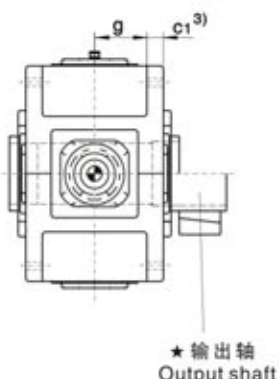
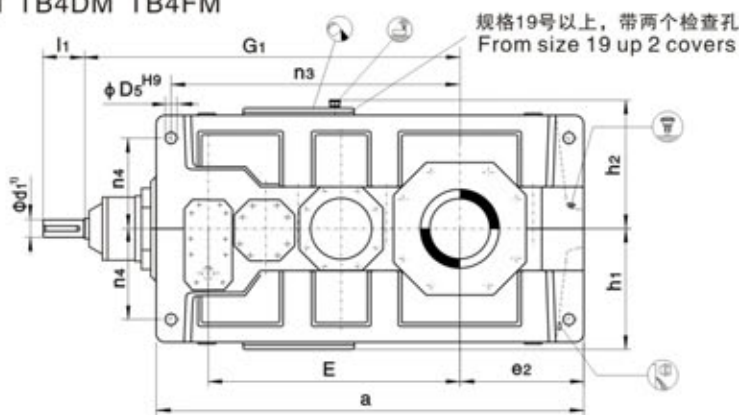
直交轴减速器
四级传动
卧式安装
类型 TB4.H, TB4.M
规格 13...22

Bevel-helical Gear Units
Four Stage
Horizontal
Types TB4.H, TB4.M
Sizes 13...22

TB4SH TB4HH TB4DH TB4FH



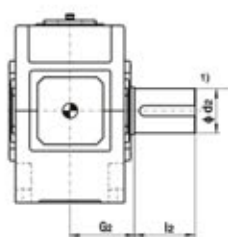
TB4HM TB4DM TB4FM



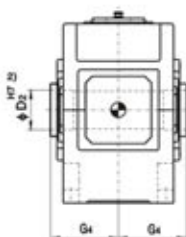
★ 输出轴

★ Output shaft

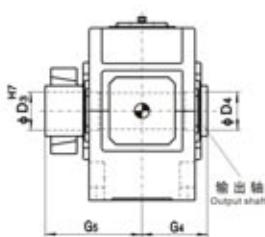
TB4SH
实心轴
Solid shaft



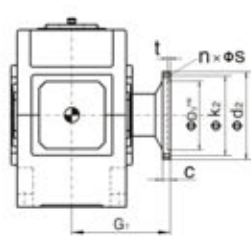
TB4HH TB4HM
空心轴
Hollow shaft



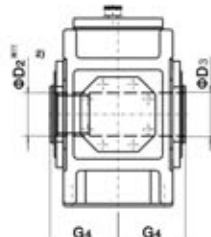
TB4DH TB4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB4FH TB4FM⁴⁾
法兰轴
Flanged shaft



TB4KH
花键空心轴
Hollow shaft



- 1) .m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页
- 2) 键槽 GB/T 1095-1979
- 3) 扭力支撑位于工作机侧
- 4) 法兰轴安装尺寸及重量敬请垂询

- 1) .m6 ≤ Φ100 n6 > Φ100
For parallel key and for centre hole, see page 3
- 2) Keyway GB/T 1095-1979
- 3) Torque support on driven machine side
- 4) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
四级传动
卧式安装
类型 TB4.H, TB4.M
规格 13...22

Bevel-helical Gear Units
Four Stage
Horizontal
Types TB4.H, TB4.M
Sizes 13...22

规格 Size	尺寸 mm Input shaft												G ₁
	Dimensions in mm												
	i _N =80-180		i _N =90-200		i _N =100-224		i _N =200-315		i _N =224-355		i _N =250-400		
	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	
13	55	110					40	100					1170
14					55	110					40	100	1240
15	70	135					50	110					1402
16			70	135					50	110			1448
17	70	135					50	110					1450
18			70	135					50	110			1510
19	80	165					60	140					1680
20			80	165					60	140			1740
21	90	165					70	140					1992
22			90	165					70	140			2047

规格 Size	尺寸 mm					Dimensions in mm				
	减 速 器					Gear units				
	a	b	c	c ₁	D ₅	e ₂	E	g	h	h ₁
13	1395	550	60	61	48	405	820	211.5	440	450
14	1535	550	60	61	48	475	890	211.5	440	450
15	1680	625	70	72	55	485	987	238	500	490
16	1770	625	70	72	55	530	1033	238	500	490
17	1770	690	80	81	55	525	1035	259	550	555
18	1890	690	80	81	55	585	1095	259	550	555
19	2030	790	90	91	65	590	1190	299	620	615
20	2150	790	90	91	65	650	1250	299	620	615
21	2340	830	100	100	75	655	1387	310	700	685
22	2450	830	100	100	75	710	1442	310	700	685

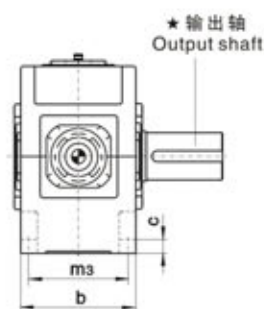
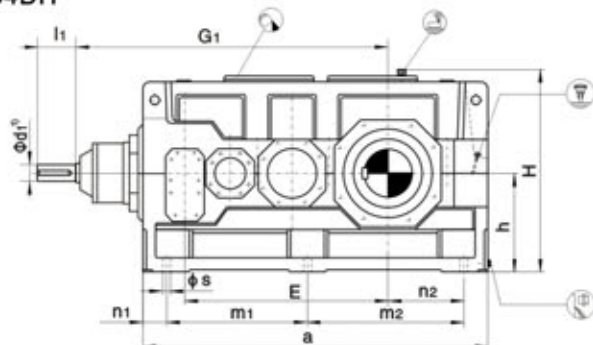
规格 Size	尺寸 mm 减 速 器					Dimensions in mm Gear units				
	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄	s
13	495	935	597.5	597.5	475	100	305	940	340	35
14	495	935	597.5	737.5	475	100	375	1010	340	35
15	535	1035	720	720	535	120	365	1135	375	42
16	535	1035	720	810	535	120	410	1180	375	42
17	595	1145	750	750	600	135	390	1175	425	42
18	595	1145	750	870	600	135	450	1235	425	42
19	655	1275	860	860	690	155	435	1365	475	48
20	655	1275	860	980	690	155	495	1425	475	48
21	725	1425	1000	1000	720	170	485	1615	520	56
22	725	1425	1000	1110	720	170	540	1670	520	56

规格 Size	尺寸 mm 输 出 轴										润 滑 油 Lubrication		重 量 Weight	
	Dimensions in mm Output shaft													
	TB4SH		TB4HH	TB4HM	TB4DH TB4DM				TB4KM TB4KH		TB4.H (L)	TB4.M (L)	TB4.H (kg)	TB4.M (kg)
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅					
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	145	120	2395	2280
14	210	335	350	210	335	210	215	335	480		150	125	2735	2605
15	230	380	410	230	380	230	235	380	550		230	170	3630	3435
16	240	380	410	240	380	240	245	380	550		235	175	3985	3765
17	250	415	410	250	415	250	260	415	600		295	230	4695	4460
18	270	415	470	275	415	280	285	415	600		305	235	5200	4930
19	290	465	470	-	-	285	295	465	670		480	440	6800	6300
20	300	465	500	-	-	310	315	465	670		550	510	8200	7700
21	320	490	500	-	-	330	335	490	715		540	590	9200	8600
22	340	490	550	-	-	340	345	490	725		620	680	9900	9400

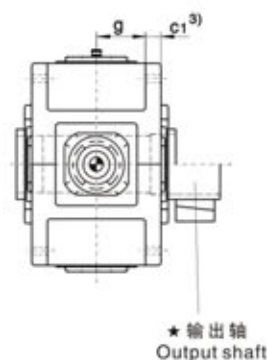
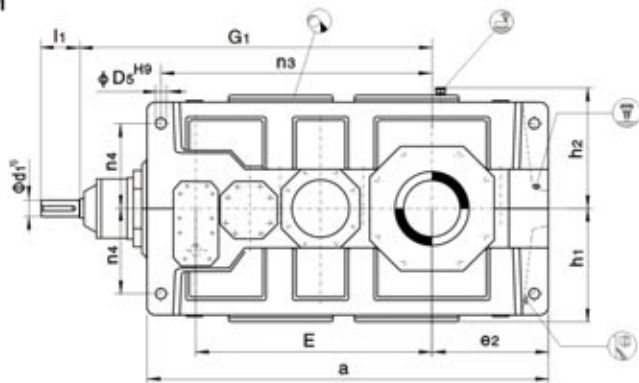
直交轴减速器
四级传动
卧式安装
类型 TB4.H, TB4DM
规格 23...26

Bevel-helical Gear Units
Four Stage
Horizontal
Types TB4.H, TB4DM
Sizes 23...26

TB4SH TB4DH



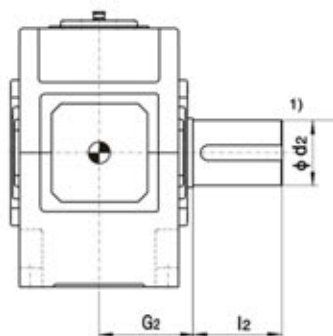
TB4DM



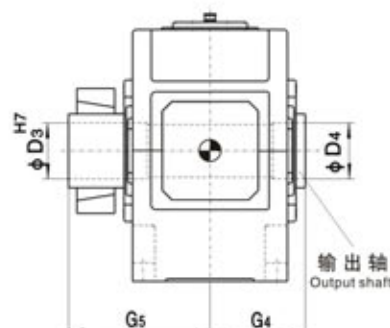
★ 输出轴

★ Output shaft

TB4SH
实心轴
Solid shaft



TB4DH TB4DM
带胀紧盘的空心轴
Hollow shaft for shrink disk



- 1) $.m_6 \leq \phi 100$ $n_6 > \phi 100$
有关平键和中心孔, 参见第 3 页
2) 键槽 GB/T1095-1979
3) 扭力支撑位于工作机侧

- 1) $.m_6 \leq \phi 100$ $n_6 > \phi 100$
For parallel key and for centre hole, see page
2) Keyway GB/T 1095-1979
3) Torque support on driven machine side

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
四级传动
卧式安装
类型 TB4.H, TB4DM
规格 23...26

Bevel-helical Gear Units
Four Stage
Horizontal
Types TB4.H, TB4DM
Sizes 23...26

规格 Size	尺寸 mm Dimensions in mm								
	输入轴 Input shaft								
	$i_N = 80-180$		$i_N = 90-200$		$i_N = 200-315$		$i_N = 224-355$		G ₁
	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	d ₁	l ₁	
23	90	165			70	140			2110
24			90	165			70	140	2175
25	110	205			80	170			2395
26			110	205			80	170	2485

规格 Size	尺寸 mm Dimensions in mm								
	减速器 Gear units								
	a	b	c	c ₁	D ₅	e ₂	E	g	s
23	2530	930	115	120	80	730	1505	342	56
24	2660	930	115	120	80	795	1570	342	56
25	2830	1045	130	120	90	790	1695	400	66
26	3010	1045	130	120	90	880	1785	400	66

规格 Size	尺寸 mm Dimensions in mm										
	减速器 Gear units										
	h	h ₁	h ₂	H	m ₁	m ₂	m ₃	n ₁	n ₂	n ₃	n ₄
23	780	770	835	1615	1085	1085	810	180	550	1725	580
24	780	770	835	1615	1085	1215	810	180	615	1790	580
25	860	860	905	1765	1215	1215	910	200	590	1965	660
26	860	860	905	1765	1215	1395	910	200	680	2055	660

规格 Size	尺寸 mm			Dimensions in mm				润滑油 Lubrication		重 量	Weight
	输 出 轴			Output shaft				TB4.H (L)	TB4DM (L)	TB4.H (kg)	TB4DM (kg)
	TH4SH			TH4DH,TH4DM							
	d ₂	G ₂	l ₂	D ₃	D ₄	G ₄	G ₅				
23	360	540	590	360	365	540	785	710	790	11600	10700
24	380	540	590	380	385	540	805	810	910	13500	12600
25	400	605	650	400	405	605	875	1000	1110	16100	15200
26	420	605	650	430	435	605	900	1100	1200	17600	16500

平行轴减速器

两级传动

立式安装

类型 TH2.V

规格 3...12

Helical Gear Units

Two Stage

Vertical

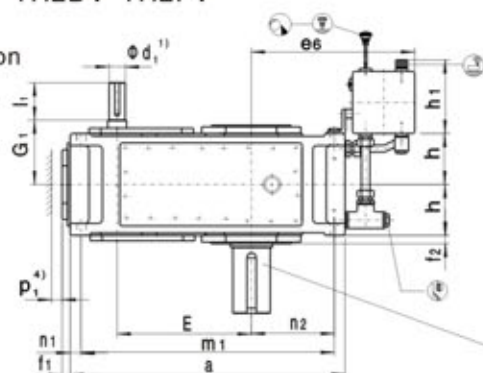
Type TH2.V

Sizes 3...12

TH2SV TH2HV TH2DV TH2FV

采用浸油润滑

With dip lubrication

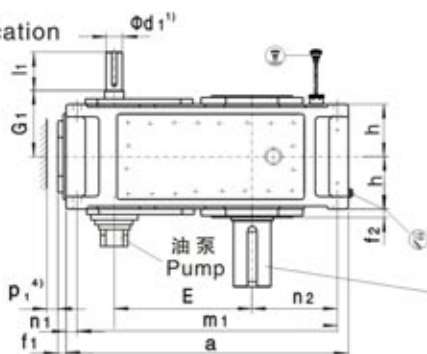


★ 输出轴
Output shaft

TH2SV TH2HV TH2DV TH2FV

采用强制润滑

With forced lubrication



★ 输出轴
Output shaft

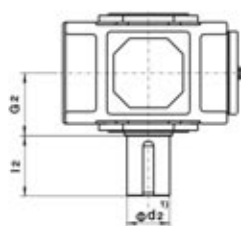
★ 输出轴

★ Output shaft

TH2SV

实心轴

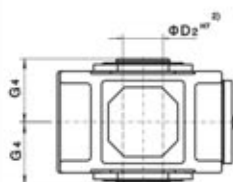
Solid shaft



TH2HV

空心轴

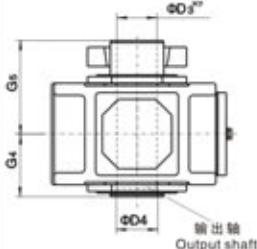
Hollow shaft



TH2DV

带胀紧盘的空心轴

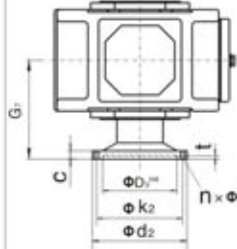
Hollow shaft for shrink disk



TH2FV 5)

法兰轴

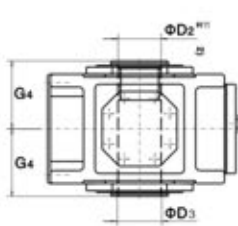
Flanged shaft



TH2KV

花键空心轴

Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T 1095-1979

3) .扭力支撑位于工作机侧

4) .有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) .法兰轴安装尺寸及重量敬请垂询

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Space for pump, pipes and cover; for exact dimensions, please refer to us

5) .Dimensions and weight related to flanged shaft on request

Helical Gear Units
Tow Stage
Vertical
Type TH2.V
Sizes 3...12

规格 Size	尺寸 mm				Dimensions in mm					TH2KV	润滑油 Lubrication		重量 Weight (kg)
	输出轴			Output shaft					浸油润滑 Dip lubrication		强制润滑 Forced lubrication		
	TH2SV		TH2HV	TH2DV				(L)	(L)				
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	见 (394-397) 页			
3	65	125	140	65	125	70	70	125	180		14	-	115
4	80	140	170	80	140	85	85	140	205		25	-	190
5	100	165	210	95	165	100	100	165	240		35	17.5	300
6	110	165	210	105	165	110	110	165	240		37	18.5	355
7	120	195	210	115	195	120	120	195	280		62	31	505
8	130	195	250	125	195	130	130	195	285		69	35	590
9	140	235	250	135	235	140	145	235	330		100	49	830
10	160	235	300	150	235	150	155	235	350		110	55	960
11	170	270	300	165	270	165	170	270	400		160	80	1335
12	180	270	300	180	270	180	185	270	405		180	90	1615

平行轴减速器

两级传动

立式安装

类型 TH2.V

规格 13...18

Helical Gear Units

Two Stage

Vertical

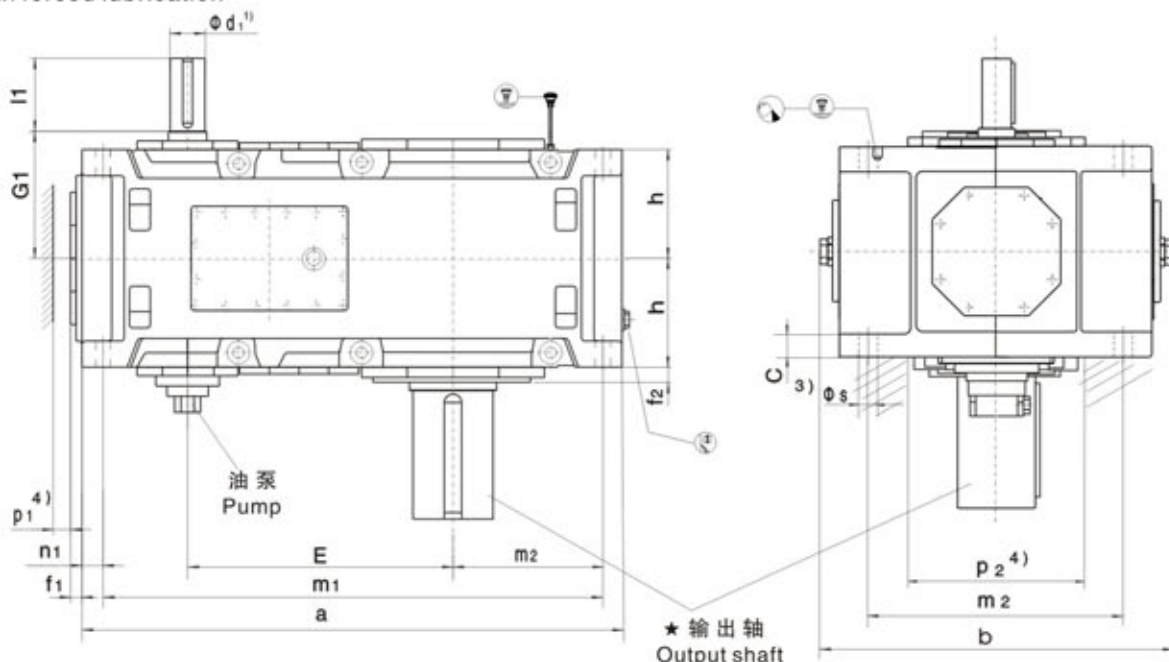
Type TH2.V

Sizes 13...18

TH2SV TH2HV TH2DV TH2FV

采用强制润滑

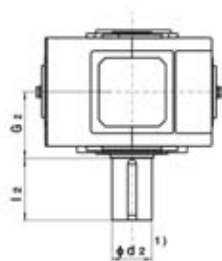
With forced lubrication



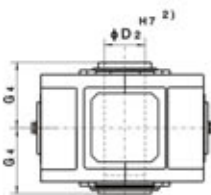
★ 输出轴

★ Output shaft

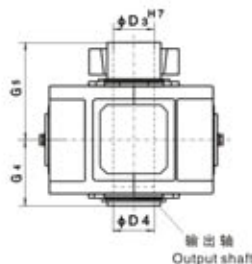
TH2SV
实心轴
Solid shaft



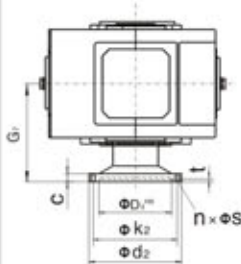
TH2HV 5)
空心轴
Hollow shaft



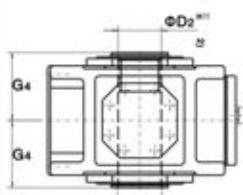
TH2DV 5)
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH2FV 6)
法兰轴
Flanged shaft



TH2KV
花键空心轴
Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) 键槽 GB/T1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系。

5) 规格 13 和 15 号: 速比只有 $i_n = 6.3 \sim 18$;

规格 17 和 19 号: 速比只有 $i_n = 6.3 \sim 14$

6) 法兰轴安装尺寸及重量敬请垂询

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover; for exact dimensions, please refer to us.

5) Sizes 13 and 15: only $i_n = 6.3 \sim 18$;

sizes 17 and 19: only $i_n = 6.3 \sim 14$

6) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
两级传动
立式安装
类型TH2.V
规格13...18

Helical Gear Units
Two Stage
Vertical
Type TH2.V
Sizes 13...18

规格 Size	尺 寸 mm Dimensions in mm												
	输 入 轴 Input shaft												
	in=6.3-11.2		in=7.1-12.5		in=8-14		in=12.5-20		in=14-22.4		in=16-25		G ₁
d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁		
13	100	205					85	170					330
14					100	205					85	170	330
15	120	210					100	210					365
16			120	210					100	210			365
17	125	245					110	210					420
18			125	245					110	210			420
19													
20													
21													
22													

规格 Size	尺寸 mm Dimensions in mm													
	减速器 Gear units													
	a	b	c	E	f ₁	f ₂	h	m ₁	m ₂	n ₁	n ₂	p ₁ ⁴⁾	p ₂ ⁴⁾	s
13	1290	900	61	635	53	35	275	1195	680	50	360	50	500	48
14	1430	900	61	705	53	35	275	1335	680	50	430	50	500	48
15	1550	980	72	762	63	42	312.5	1435	750	60	430	50	570	55
16	1640	980	72	808	63	42	312.5	1525	750	60	475	50	570	55
17	1740	1110	81	860	60	42	345	1610	850	70	465	70	630	55
18	1860	1110	81	920	60	42	345	1730	850	70	525	70	630	55
19														
20														
21														
22														

规格 Size	尺寸 mm Dimensions in mm										润 滑 油 Lubrication	重 量 Weight	
	输 出 轴 Output shaft												
	TH2SV			TH2HV ⁵⁾		TH2DV ⁵⁾							TH2KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅		(L)	(kg)	
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	120	1880	
14	210	335	350	210	335	210	215	335	480		135	2430	
15	230	380	410	230	380	230	235	380	550		185	3240	
16	240	380	410	240	380	240	245	380	550		200	3465	
17	250	415	410	250	415	250	260	415	600		265	4420	
18	270	415	470	275	415	280	285	415	600		285	4870	
19													
20													
21													
22													

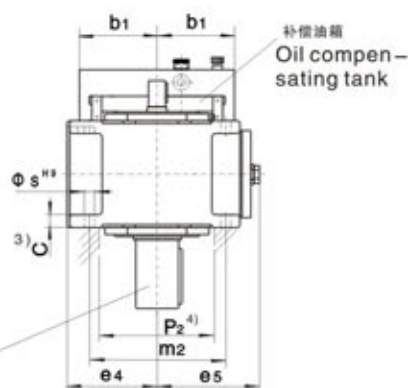
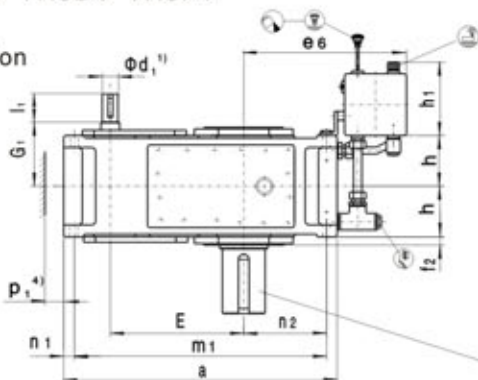
平行轴减速器
三级传动
立式安装
类型 TH3.V
规格 5...12

Helical Gear Units
Three Stage
Vertical
Type TH3.V
Sizes 5...12

TH3SV TH3HV TH3DV TH3FV

采用浸油润滑

With dip lubrication

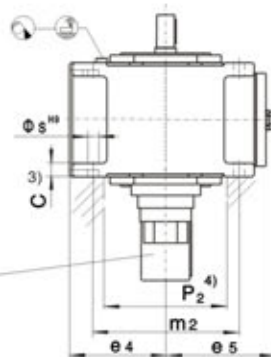
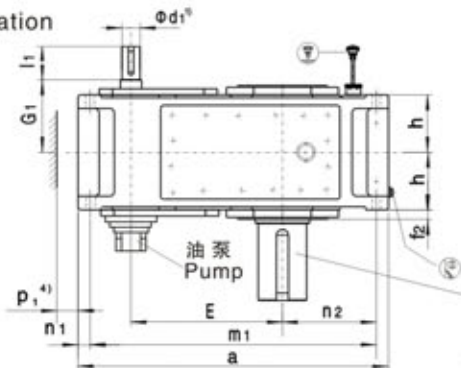


★ 输出轴
Output shaft

TH3SV TH3HV TH3DV TH3FV

采用强制润滑

With forced lubrication



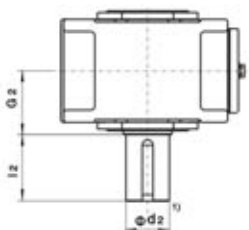
★ 输出轴
Output shaft

★ 输出轴

★ Output shaft

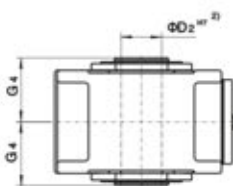
TH3SV

实心轴
Solid shaft



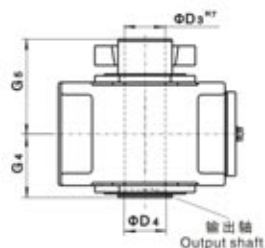
TH3HV

空心轴
Hollow shaft



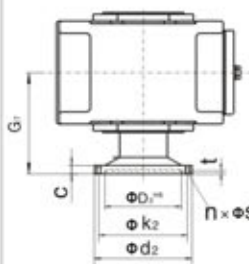
TH3DV

带胀紧盘的空心轴
Hollow shaft for shrink disk



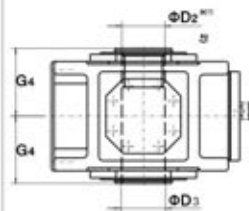
TH3FV 5)

法兰轴
Flanged shaft



TH3KV

花键空心轴
Hollow shaft



1). $k6 \leq \Phi 24$ $\Phi 28 \leq m6 \leq \Phi 100$ $n6 > \Phi 100$

有关平键和中心孔, 参见第 3 页

2). 键槽 GB/T 1095-1979

3). 扭力支撑位于工作机侧

4). 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5). 法兰轴安装尺寸及重量敬请垂询

1). $k6 \leq \Phi 24$ $\Phi 28 \leq m6 \leq \Phi 100$ $n6 > \Phi 100$

For parallel key and for centre hole, see page 3

2). Keyway GB/T 1095-1979

3). Torque support on driven machine side

4). Space for pump, pipes and cover; for exact dimensions, please refer to us

5). Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
三级传动
立式安装
类型 TH3.V
规格 5...12

Helical Gear Units
Three Stage
Vertical
Type TH3.V
Sizes 5...12

规格 Size	尺寸 mm Dimensions in mm												
	输入轴 Input shaft												
	in=25-45		in=31.5-56		in=50-63		in=63-80		in=71-90		in=90-112		G ₁
d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁		
5	40	70			30	50			24	40			160
6			40	70			30	50			24	40	160
7	45	80			35	60			28	50			185
8			45	80			35	60			28	50	185
9	60	125			45	100			32	80			230
10			60	125			45	100			32	80	230
11	70	120			50	80			42	70			255
12			70	120			50	80			42	70	255

规格 Size	尺寸 mm Dimensions in mm									
	减速器 Gear units									
	a	b ₁	c	ø 4	ø 5	ø 6	E	f ₂	h	
5	690	240	30	230	252	385	405	28	127.5	
6	770	240	30	230	252	425	440	28	127.5	
7	845	240	36	280	292	425	495	30	150	
8	950	240	36	280	312	485	540	32	150	
9	1000	330	45	320	342	560	580	32	185	
10	1100	330	45	320	342	610	630	32	190	
11	1200	330	54	380	402	595	705	35	215	
12	1355	330	54	380	410	680	775	35	215	

规格 Size	尺寸 mm Dimensions in mm								
	减速器 Gear units								
	h ₁	m ₁	m ₂	n ₁	n ₂	p ₁ ⁴⁾	p ₂ ⁴⁾	s	
5	205	630	360	30	175	35	270	24	
6	205	710	360	30	220	35	270	24	
7	205	775	430	35	215	35	330	28	
8	205	880	430	35	275	35	330	28	
9	275	920	490	40	260	40	370	36	
10	275	1020	490	40	310	40	370	36	
11	275	1100	600	50	295	50	440	40	
12	275	1255	600	50	380	50	440	40	

规格 Size	尺寸 mm Dimensions in mm										润 滑 油 Lubrication		重量 Weight (kg)
	输 出 轴 Output shaft										浸油润滑 Dip lubrication	强制润滑 Forced lubrication	
	TH3SV			TH3HV		TH3DV				TH3KV			
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅		(L)	(L)	
5	100	165	210	95	165	100	100	165	240	见 (394-397) 页	36	24	320
6	110	165	210	105	165	110	110	165	240		40	27	365
7	120	195	210	115	195	120	120	195	280		64	42	540
8	130	195	250	125	195	130	130	195	285		70	47	625
9	140	235	250	135	235	140	145	235	330		110	73	875
10	160	235	300	150	235	150	155	235	350		120	80	1020
11	170	270	300	165	270	165	170	270	400		190	110	1400
12	180	270	300	180	270	180	185	270	405		205	120	1675

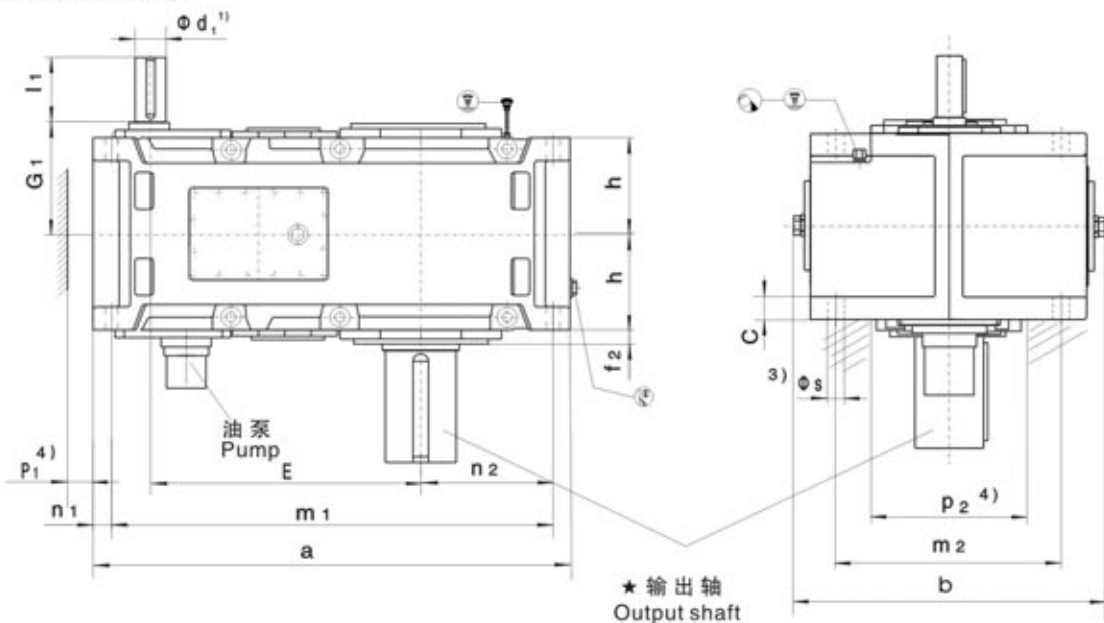
平行轴减速器
三级传动
立式安装
类型 TH3.V
规格 13...18

Helical Gear Units
Three Stage
Vertical
Type TH3.V
Sizes 13...18

TH3SV TH3HV TH3DV TH3FV

采用强制润滑

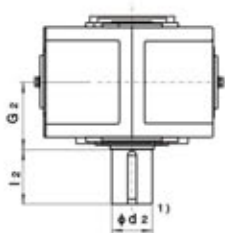
With forced lubrication



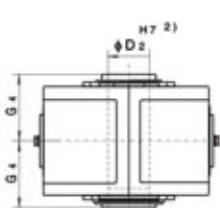
★ 输出轴

★ Output shaft

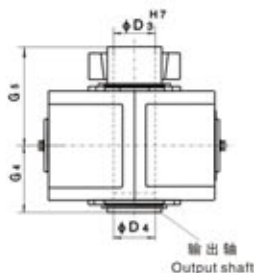
TH3SV
实心轴
Solid shaft



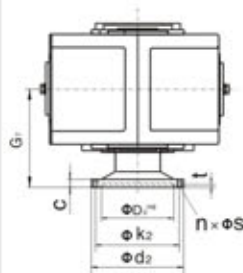
TH3HV
空心轴
Hollow shaft



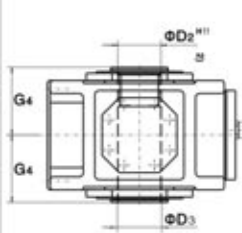
TH3DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



TH3FV ⁵⁾
法兰轴
Flanged shaft



TH3KV
花键空心轴
Hollow shaft



1) .m6 ≤ $\Phi 100$ n6 > $\Phi 100$

有关平键和中心孔, 参见第 3 页

2) 键槽 GB/T 1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) 法兰轴安装尺寸及重量敬请垂询

1) .m6 ≤ $\Phi 100$ n6 > $\Phi 100$

For parallel key and for centre hole, see page 3

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover; for exact dimensions, please refer to us

5) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
三级传动
立式安装
类型 TH3.V
规格 13...18

Helical Gear Units
Three Stage
Vertical
Type TH3.V
Sizes 13...18

规格 Size	尺寸 mm Dimensions in mm																		
	输入轴 Input shaft																		
	i _N =22.4-45		i _N =25-50		i _N =28-56		i _N =50-63		i _N =56-71		i _N =63-80		i _N =71-90		i _N =80-100		i _N =90-112		G ₁
d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁		
13	85	160					60	135					50	110					310
14					85	160					60	135					50	110	310
15	100	200					75	140					60	140					350
16			100	200					75	140					60	140			350
17	100	200					75	140					60	140					380
18			100	200					75	140					60	140			380
19																			
20																			
21																			
22																			

规格 Size	尺寸 mm Dimensions in mm												
	减速器 Gear units												
	a	b	c	E	f ₂	h	m ₁	m ₂	n ₁	n ₂	p ₁ ⁴⁾	p ₂ ⁴⁾	s
13	1395	900	61	820	35	275	1300	680	50	360	50	500	48
14	1535	900	61	890	35	275	1440	680	50	430	50	500	48
15	1680	980	72	987	42	312.5	1565	750	60	430	50	570	55
16	1770	980	72	1033	42	312.5	1655	750	60	475	50	570	55
17	1770	1110	81	1035	42	345	1640	850	70	465	70	630	55
18	1890	1110	81	1095	42	345	1760	850	70	525	70	630	55
19													
20													
21													
22													

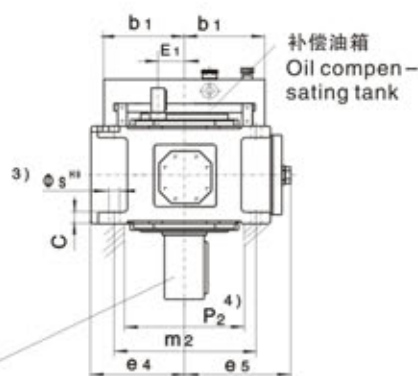
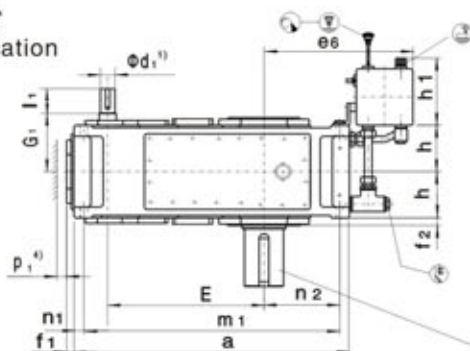
规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)	
	输出轴 Output shaft											
	TH3SV			TH3HV		TH3DV						TH3KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅			
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	160	2155
14	210	335	350	210	335	210	215	335	480		180	2490
15	230	380	410	230	380	230	235	380	550		225	3260
16	240	380	410	240	380	240	245	380	550		260	3625
17	250	415	410	250	415	250	260	415	600		325	4250
18	270	415	470	275	415	280	285	415	600		335	4740
19												
20												
21												
22												

平行轴减速器
四级传动
立式安装
类型 TH4.V
规格 7...12

Helical Gear Units
Four Stage
Vertical
Type TH4.V
Sizes 7...12

TH4SV TH4HV TH4DV TH4FV

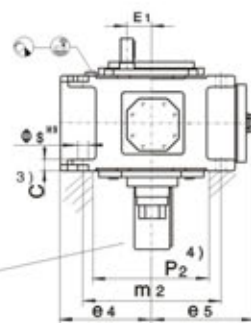
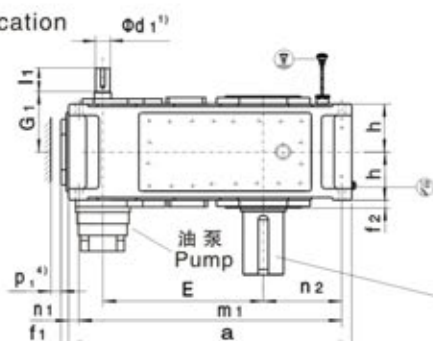
采用浸油润滑
With dip lubrication



★ 输出轴
Output shaft

TH4SV TH4HV TH4DV TH4FV

采用强制润滑
With forced lubrication

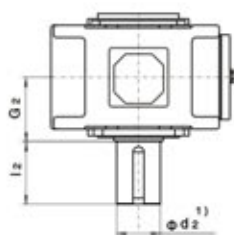


★ 输出轴
Output shaft

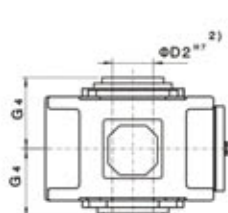
★ 输出轴

★ Output shaft

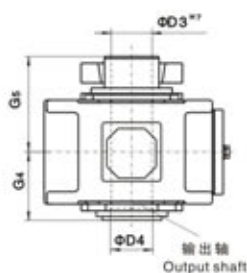
TH4SV
实心轴
Solid shaft



TH4HV
空心轴
Hollow shaft

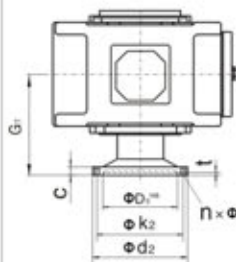


TH4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk

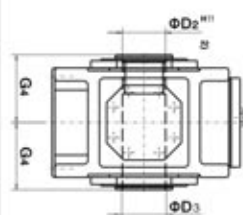


输出轴
Output shaft

TH4FV 5)
法兰轴
Flanged shaft



TH4KV
花键空心轴
Hollow shaft



1) .k6 ≤ Φ24 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

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For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Space for pump, pipes and cover; for exact dimensions, please refer to us

5) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
四级传动
立式安装
类型 TH4.V
规格 7...12

Helical Gear Units
Four Stage
Vertical
Type TH4.V
Sizes 7...12

规格 Size	尺寸 mm Dimensions in mm							
	输入轴 Input shaft							
	$i_N=100-180$		$i_N=125-224$		$i_N=200-355$		$i_N=250-450$	
	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1	$d_1^{1)}$	l_1
7	30	50			24	40		
8			30	50			24	40
9	35	60			28	50		
10			35	60			28	50
11	45	100			32	80		
12			45	100			32	80

规格 Size	尺寸 mm Dimensions in mm									
	减速器 Gear units									
	a	b_1	c	e_4	e_5	e_6	E	E_1	f_1	f_2
7	845	240	36	280	292	425	495	80	37	30
8	950	240	36	280	302	485	540	80	37	32
9	1000	330	45	320	342	560	580	90	43	32
10	1100	330	45	320	342	610	630	90	43	32
11	1200	330	54	380	402	595	705	110	47	35
12	1355	330	54	380	410	680	775	110	47	35

规格 Size	尺寸 mm Dimensions in mm									
	减速器 Gear units									
	h	h_1	m_1	m_2	n_1	n_2	$p_1^{4)}$	$p_2^{4)}$	s	
7	150	205	775	430	35	215	35	330	28	
8	150	205	880	430	35	275	35	330	28	
9	185	275	920	490	40	260	40	370	36	
10	190	275	1020	490	40	310	40	370	36	
11	215	275	1100	600	50	295	50	440	40	
12	215	275	1255	600	50	380	50	440	40	

规格 Size	尺寸 mm Dimensions in mm										润滑油 Lubrication		重量 Weight (kg)
	输出轴 Output shaft										浸油润滑 Dip lubrication	强制润滑 Forced lubrication	
	TH4SV			TH4HV		TH4DV				TH4KV	(L)	(L)	
	$d_2^{2)}$	G_2	l_2	$D_2^{2)}$	G_4	D_3	D_4	G_4	G_5				
7	120	195	210	115	195	120	120	195	280	见 (394-397) 页	60	44	550
8	130	195	250	125	195	130	130	195	285		65	48	645
9	140	235	250	135	235	140	145	235	330		105	78	875
10	160	235	300	150	235	150	155	235	350		110	81	1010
11	170	270	300	165	270	165	170	270	400		175	113	1460
12	180	270	300	180	270	180	185	270	405		200	129	1725

平行轴减速器

四级传动

立式安装

类型 TH4.V

规格 13...18

Helical Gear Units

Four Stage

Vertical

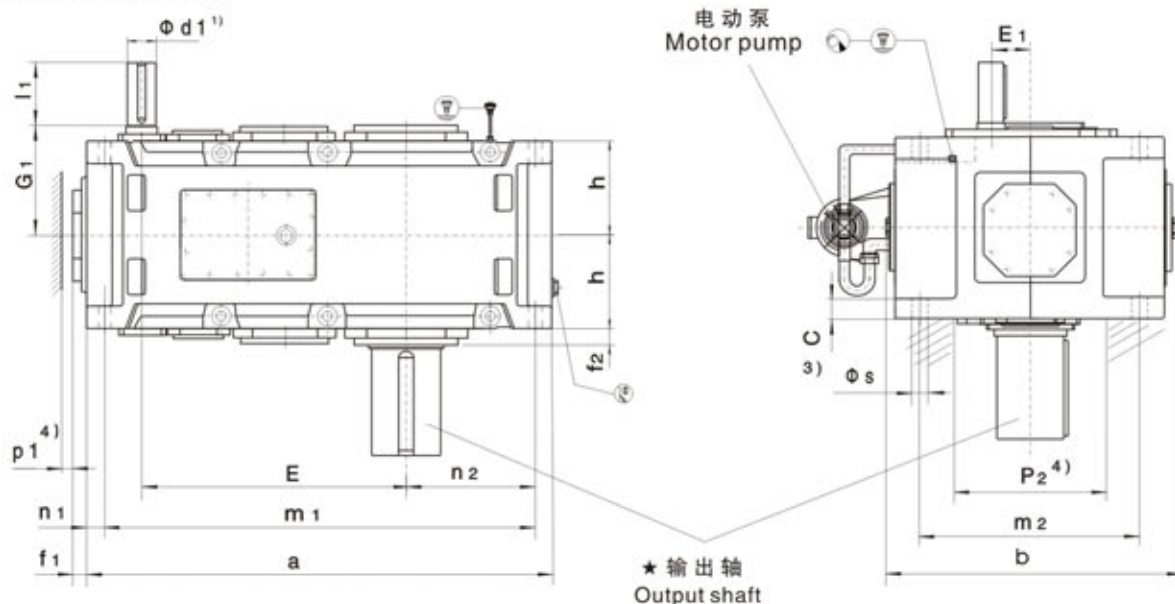
Type TH4.V

Sizes 13...18

TH4SV TH4HV TH4DV TH4FV

采用强制润滑

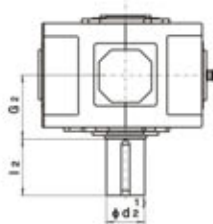
With forced lubrication



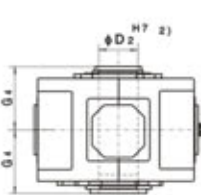
★ 输出轴

★ Output shaft

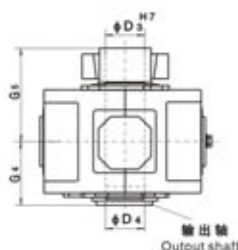
TH4SV
实心轴
Solid shaft



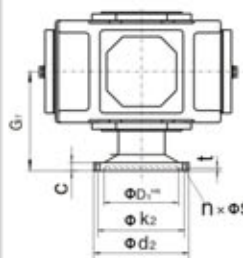
TH4HV
空心轴
Hollow shaft



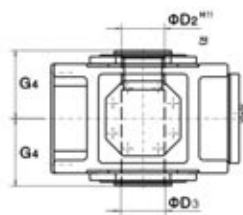
TH4DV
带胀紧盘的
空心轴
Hollow shaft for shrink disk



TH4FV ⁵⁾
法兰轴
Flanged shaft



TH4KV
花键空心轴
Hollow shaft



1) .m6 ≤ $\Phi 100$ n6 > $\Phi 100$

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外形安装尺寸 Mounting Dimension Sheets-overview



平行轴减速器
四级传动
立式安装
类型 TH4.V
规格 13...18

Helical Gear Units
Four Stage
Vertical
Type TH4.V
Sizes 13...18

规格 Size	尺寸 mm Dimensions in mm												
	输入轴 Input shaft												
	i _N =100-180		i _N =112-200		i _N =125-224		i _N =200-355		i =224-400		i _N =250-450		G ₁
d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁		
13	50	100					38	80					305
14					50	100					38	80	305
15	60	135					50	110					345
16			60	135					50	110			345
17	60	105					50	80					380
18			60	105					50	80			380
19													
20													
21													
22													

规格 Size	尺寸 mm Dimensions in mm														
	减速器 Gear units														
	a	b	c	E	E ₁	f ₁	f ₂	h	m ₁	m ₂	n ₁	n ₂	p ₁ ⁴⁾	p ₂ ⁴⁾	s
13	1395	900	61	820	130	47	35	275	1300	680	50	360	50	500	48
14	1535	900	61	890	130	47	35	275	1440	680	50	430	50	500	48
15	1680	980	72	987	160	56	42	312.5	1565	750	60	430	50	570	55
16	1770	980	72	1033	160	56	42	312.5	1655	750	60	475	50	570	55
17	1770	1110	81	1035	160	53	42	345	1640	850	70	465	70	630	55
18	1890	1110	81	1095	160	53	42	345	1760	850	70	525	70	630	55
19															
20															
21															
22															

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)	
	输出轴 Output shaft											
	TH4SV			TH4HV		TH4DV						TH4KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅			
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	140	2270
14	210	335	350	210	335	210	215	335	480		160	2600
15	230	380	410	230	380	230	235	380	550		220	3440
16	240	380	410	240	380	240	245	380	550		230	3740
17	250	415	410	250	415	250	260	415	600		280	4445
18	270	415	470	275	415	280	285	415	600		300	4915
19												
20												
21												
22												

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
两级传动
立式安装
类型 TB2.V
规格 1...12

Bevel-helical Gear Units
Two Stage
Vertical
Type TB2.V
Sizes 1...12

规格 Size	尺寸 mm Input shaft											
	$i_N=5-11.2$			$i_N=6.3-14$			$i_N=12.5-18$			G_1	G_3	
	$d_1^{1)}$	l_1	l_3	$d_1^{1)}$	l_1	l_3	$d_1^{1)}$	l_1	l_3			
1	28	55	40				20	50	35	300	315	
2	30	70	50				25	60	40	340	360	
3	35	80	60				28	60	40	390	410	
4	45	100	80							465	485	
5	55	110	80							535	565	
6				55	110	80				570	600	
7	70	135	105							640	670	
8				70	135	105				685	715	
9	80	165	130							755	790	
10				80	165	130				805	840	
11	90	165	130							925	960	
12				90	165	130				995	1030	

规格 Size	尺寸 mm Gear units											
	a	A ₁	b ₁	B ₁	c	d ₆	e ₃	e ₄	e ₅	e ₆	E	f ₂
1	305	128	150	130	16	100	90	130	145	280	90	22
2	355	143	150	145	20	110	110	145	160	285	110	22
3	405	163	150	170	24	120	130	175	185	290	130	24
4	505	188	150	200	30	150	160	200	215	320	160	26
5	565	215	240	235	30	160	185	230	252	385	185	30
6	645	215	240	235	30	160	185	230	252	425	220	30
7	690	250	240	285	36	210	225	280	302	425	225	32
8	795	250	240	285	36	210	225	280	302	485	270	32
9	820	270	330	325	48	195	265	320	342	560	265	45
10	920	270	330	325	48	195	265	320	342	610	315	45
11	975	328	330	385	54	210	320	380	410	595	320	47
12	1130	328	330	385	54	210	320	380	410	680	390	47

规格 Size	尺寸 mm Gear units										p ²⁾	s
	G ₆	h	h ₁	m ₁	m ₂	n ₁	n ₂					
1	325	90	165	275	210	15	115			150		12
2	370	102.5	165	315	230	20	120			170		14
3	420	112.5	165	365	265	20	130			200		18
4	495	135	165	445	300	30	160			220		24
5	575	160	205	505	360	30	175			270		24
6	610	160	205	585	360	30	220			270		24
7	685	190	205	620	430	35	215			330		28
8	730	190	205	725	430	35	275			330		28
9	805	220	275	740	490	40	260			370		36
10	855	220	275	840	490	40	310			370		36
11	980	265	275	875	600	50	295			440		40
12	1050	265	275	1030	600	50	380			440		40

规格 Size	尺寸 mm Output shaft										润滑油 Lubrication		重量 Weight (kg)
	TB2SV			TB2HV		TB2DV				TB2KV	浸油润滑 Dip lubrication (L)	强制润滑 Forced lubrication (L)	
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅				
1	45	120	80	-	-	-	-	-	-	见 (394-397) 页	7	-	65
2	55	135	110	55	135	60	60	135	180		11	-	90
3	65	145	140	65	145	70	70	145	200		16	-	140
4	80	170	170	80	170	85	85	170	235		28	-	235
5	100	200	210	95	200	100	100	200	275		41	20	360
6	110	200	210	105	200	110	110	200	275		50	23	410
7	120	235	210	115	235	120	120	235	320		75	35	615
8	130	235	250	125	235	130	130	235	325		90	38	700
9	140	270	250	135	270	140	145	270	365		115	53	1000
10	160	270	300	150	270	150	155	270	385		135	60	1155
11	170	320	300	165	320	165	170	320	450		190	95	1640
12	180	320	300	180	320	180	185	320	455		225	114	1910

直交轴减速器

两级传动

立式安装

类型 TB2.V

规格 13...18

Bevel-helical Gear Units

Tow Stage

Vertical

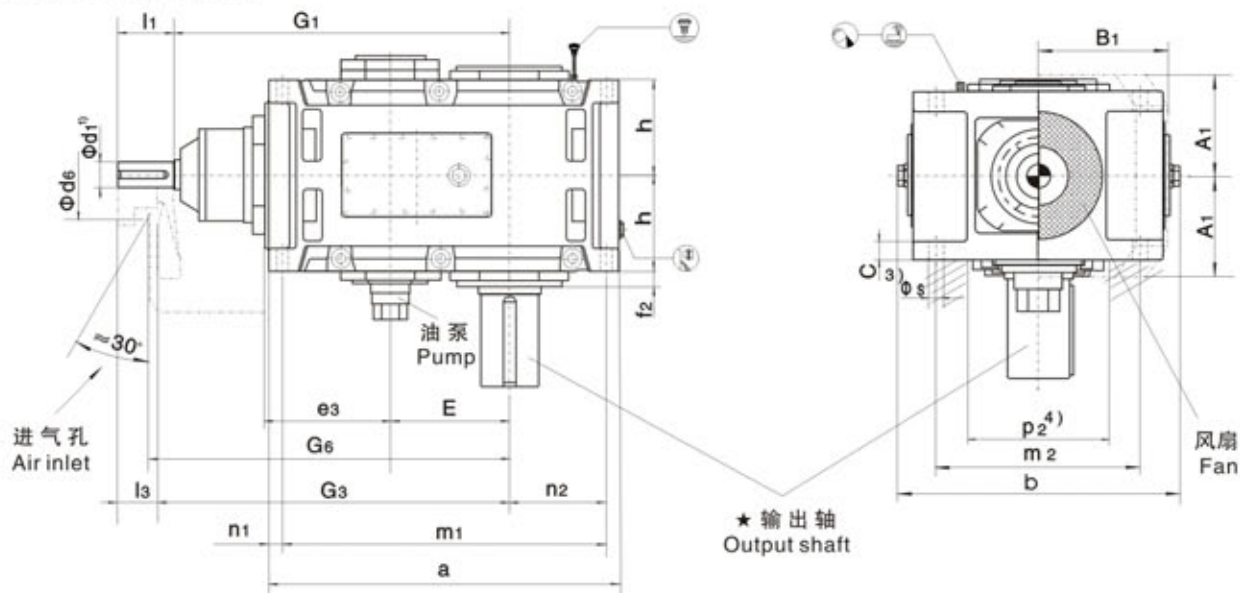
Type TB2.V

Sizes 13...18

TB2SV TB2HV TB2DV TB2FV

采用强制润滑

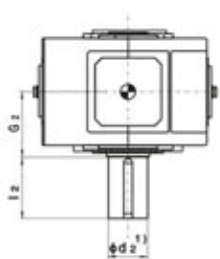
With forced lubrication



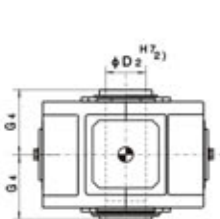
★ 输出轴

★ Output shaft

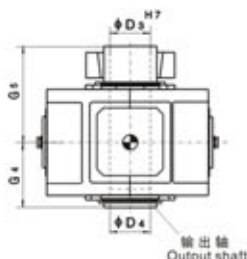
TB2SV
实心轴
Solid shaft



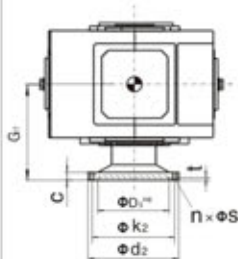
TB2HV
空心轴
Hollow shaft



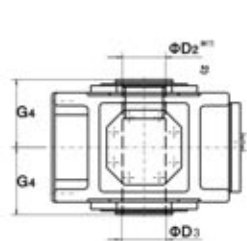
TB2DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB2FV 5)
法兰轴
Flanged shaft



TB2KV
花键空心轴
Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100
有关平键和中心孔, 参见第 3 页

2) 键槽 GB/T 1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) 法兰轴安装尺寸及重量敬请垂询

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover; for exact dimensions, please refer to us

5) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
两级传动
立式安装
类型 TB2.V
规格 13...18

Bevel-helical Gear Units
Two Stage
Vertical
Type TB2.V
Sizes 13...18

规格 Size	尺寸 mm Dimensions in mm															G ₁	G ₃
	输入轴 Input shaft																
	i _N =5-11.2			i _N =5.6-11.2			i _N =5.6-12.5			i _N =6.3-14			i _N =7.1-12.5				
	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃		
13	110	205	165													1070	1110
14										110	205	165				1140	1180
15	130	245	200													1277	1322
16							130	245	200							1323	1368
17				150	245	200										1435	1480
18													150	245	200	1495	1540

规格 Size	尺寸 mm Dimensions in mm									
	减速器 Gear units									
	a	A ₁	b	B ₁	c	d ₆	e ₃	E	f ₂	
13	1130	375	900	450	61	245	380	370	38	
14	1270	375	900	450	61	245	380	440	45	
15	1350	435	980	495	72	280	450	442	75	
16	1440	435	980	495	72	280	450	488	75	
17	1490	505	1110	555	81	380	510	490	98	
18	1610	505	1110	555	81	380	510	550	98	

规格 Size	尺寸 mm Dimensions in mm								
	减速器 Gear units								
	G ₆	h	m ₁	m ₂	n ₁	n ₂	p ₂ ⁴⁾	s	
13	1130	327.5	1035	680	50	360	500	48	
14	1200	327.5	1175	680	50	430	500	48	
15	1340	382.5	1235	750	60	430	570	55	
16	1385	382.5	1325	750	60	475	570	55	
17	1500	442.5	1360	840	70	465	630	65	
18	1560	442.5	1480	840	70	525	630	65	

规格 Size	尺寸 mm			Dimensions in mm						润滑油 Lubrication (L)	重量 Weight (kg)	
	输出轴						Output shaft					
	TB2SV			TB2HV		TB2DV						TB2KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅			
13	200	390	350	-	-	-	-	-	-	见 (394-397) 页	125	2350
14	210	390	350	210	390	210	215	390	535		140	2725
15	230	460	410	-	-	-	-	-	-		190	3795
16	240	460	410	240	450	240	245	450	620		200	4160
17	250	540	410	-	-	-	-	-	-		270	5320
18	270	540	470	275	510	280	285	510	700		295	5860

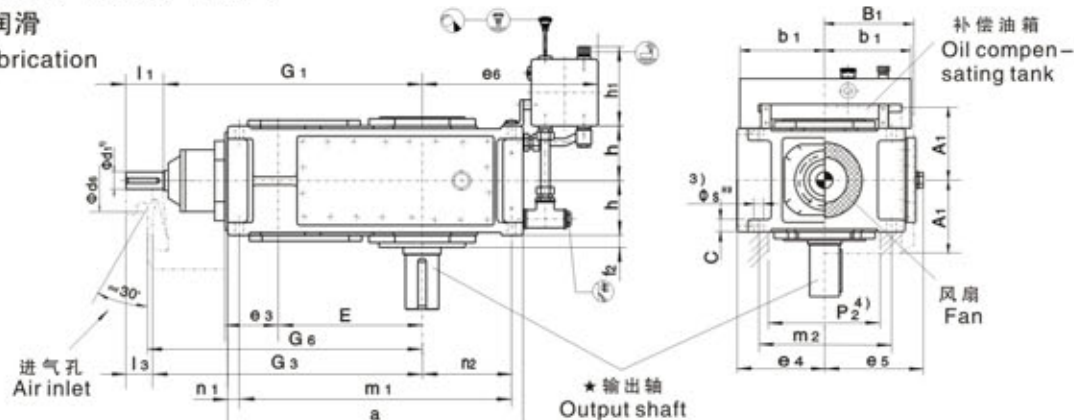
直交轴减速器
三级传动
立式安装
类型 TB3.V
规格 3...12

Bevel-helical Gear Units
Three Stage
Vertical
Type TB3.V
Sizes 3...12

TB3SV TB3HV TB3DV TB3FV

采用浸油润滑

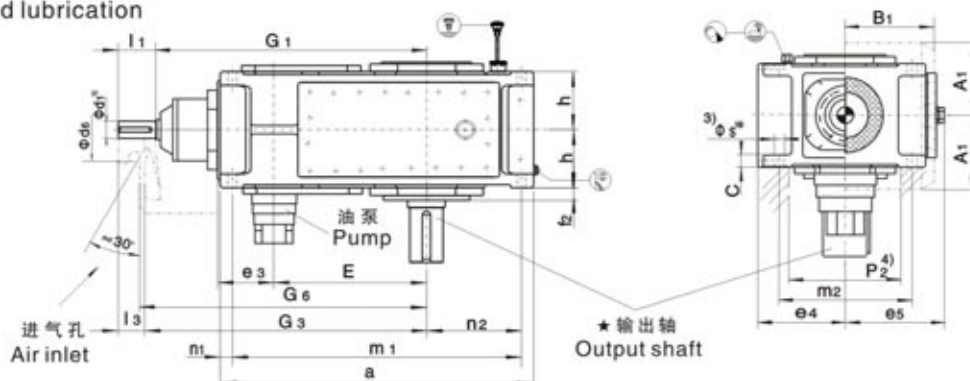
With dip lubrication



TB3SV TB3HV TB3DV TB3FV

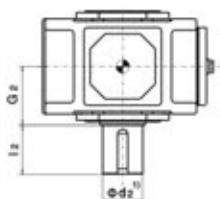
采用强制润滑

With forced lubrication



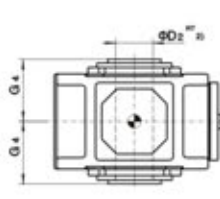
TB3SV

实心轴
Solid shaft



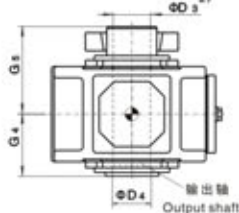
TB3HV

空心轴
Hollow shaft



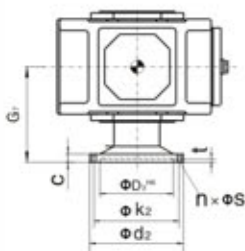
TB3DV

带胀紧盘的空心轴
Hollow shaft for shrink disk



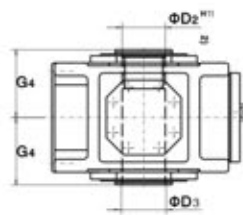
TB3FV 5)

法兰轴
Flanged shaft



TB3KV

花键空心轴
Hollow shaft



1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) .法兰轴安装尺寸及重量敬请垂询

1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Space for pump, pipes and cover; for exact dimensions, please refer to us

5) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
三级传动
立式安装
类型 TB3.V
规格 3...12

Bevel-helical Gear Units
Three Stage
Vertical
Type TB3.V
Sizes 3...12

规格 Size	尺寸 mm Input shaft															G ₁	G ₃
	i _N =12.5-45			i _N =16-56			i _N =20-45			i _N =50-71			i _N =63-90				
	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃		
3							28	55	40	20	50	35				430	445
4	30	70	50							25	60	40				500	520
5	35	80	60							28	60	40				575	595
6				35	80	60							28	60	40	610	630
7	45	100	80							35	80	60				690	710
8				45	100	80							35	80	60	735	755
9	55	110	80							40	100	70				800	830
10				55	110	80							40	100	70	850	880
11	70	135	105							50	110	80				960	990
12				70	135	105							50	110	80	1030	1060

规格 Size	尺寸 mm Gear units											
	a	A ₁	b ₁	B ₁	c	d ₆	e ₃	e ₄	e ₅	e ₆	E	f ₂
3	450	128	150	170	24	90	90	175	185	290	220	20
4	565	143	150	200	30	110	110	200	215	320	270	22
5	640	168	240	235	30	130	130	230	252	385	315	28
6	720	168	240	235	30	130	130	230	252	425	350	28
7	785	193	240	275	36	165	160	280	292	425	385	30
8	890	193	240	275	36	165	160	280	302	485	430	32
9	925	231	330	325	45	175	185	320	342	560	450	32
10	1025	231	330	325	45	175	185	320	342	610	500	32
11	1105	263	330	385	54	190	225	380	402	595	545	35
12	1260	263	330	385	54	190	225	380	410	680	615	35

规格 Size	尺寸 mm Gear units							
	G ₆	h	h ₁	m ₁	m ₂	n ₁	n ₂	p ₂ ⁴⁾
3	455	95	165	410	265	20	125	210
4	530	107.5	165	505	300	30	160	220
5	605	127.5	205	580	360	30	175	270
6	640	127.5	205	660	360	30	220	270
7	720	150	205	715	430	35	215	330
8	765	150	205	820	430	35	275	330
9	845	185	275	845	490	40	260	370
10	895	190	275	945	490	40	310	370
11	1010	215	275	1005	600	50	295	440
12	1080	215	275	1160	600	50	380	440

规格 Size	尺寸 mm Output shaft									润滑油 Lubrication		重量 Weight (kg)	
	TB3SV			TB3HV		TB3DV				TB3KV	浸油润滑 Dip lubrication		强制润滑 Forced lubrication
	d ₂ ¹⁾	G ₂	l ₂	D ₂	G ₄	D ₃	D ₄	G ₄	G ₅		(L)		(L)
3	65	125	140	65	125	70	70	125	180	见 页 (394-397)	15	-	130
4	80	140	170	80	140	85	85	140	205		28	-	210
5	100	165	210	95	165	100	100	165	240		32	17	325
6	110	165	210	105	165	110	110	165	240		35	18	380
7	120	195	210	115	195	120	120	195	280		52	30	550
8	130	195	250	125	195	130	130	195	285		67	34	635
9	140	235	250	135	235	140	145	235	330		96	48	890
10	160	235	300	150	235	150	155	235	350		105	52	1020
11	170	270	300	165	270	165	170	270	400		155	75	1455
12	180	270	300	180	270	180	185	270	405		175	85	1730

见
(394-397)
页

直交轴减速器

三级传动

立式安装

类型 TB3.V

规格 13...18

Bevel-helical Gear Units

Three Stage

Vertical

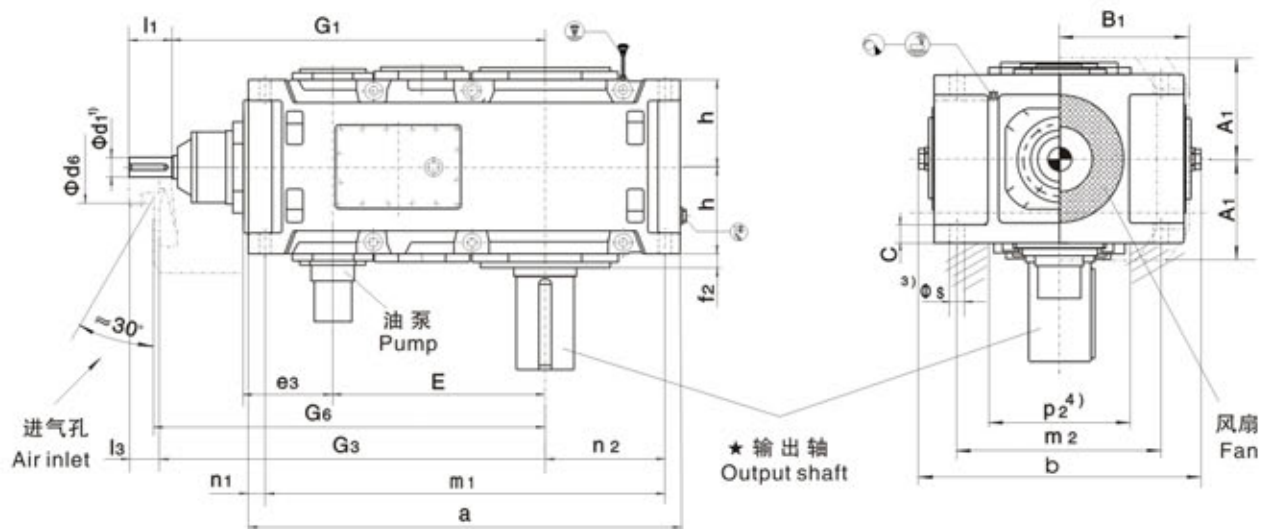
Type TB3.V

Sizes 13...18

TB3SV TB3HV TB3DV TB3FV

采用强制润滑

With forced lubrication



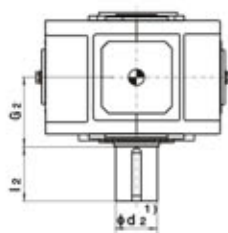
★ 输出轴

★ Output shaft

TB3SV

实心轴

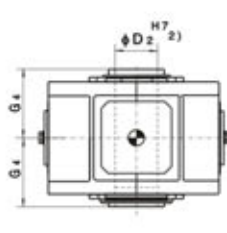
Solid shaft



TB3HV

空心轴

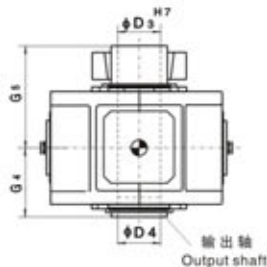
Hollow shaft



TB3DV

带胀紧盘的空心轴

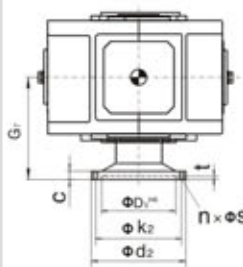
Hollow shaft for shrink disk



TB3FH 5)

法兰轴

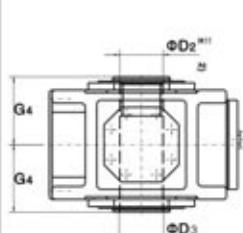
Flanged shaft



TB3KV

花键空心轴

Hollow shaft



1) .m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T 1095-1979

3) .扭力支撑位于工作机侧

4) .有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) .法兰轴安装尺寸及重量敬请垂询

1) .m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Space for pump, pipes and cover; for exact dimensions, please refer to us

5) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
三级传动
立式安装
类型 TB3.V
规格 13...18

Bevel-helical Gear Units
Three Stage
Vertical
Type TB3.V
Sizes 13...18

规格 Size	尺寸 mm Input shaft																		G ₁	G ₃
	in=12.5-45			in=14-50			in=16-56			in=50-71			in=56-80			in=63-90				
	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃	d ₁ ¹⁾	l ₁	l ₃		
13	80	165	130							60	140	105							1125	1160
14							80	165	130							60	140	105	1195	1230
15	90	165	130							70	140	105							1367	1402
16				90	165	130							70	140	105				1413	1448
17	110	205	165							80	170	130							1560	1600
18				110	205	165							80	170	130				1620	1660
19																				
20																				
21																				
22																				

规格 Size	尺寸 mm				Dimensions in mm				
	a	A ₁	b	B ₁	c	d ₆	e ₃	E	f ₂
13	1290	325	900	475	61	210	265	635	35
14	1430	325	900	475	61	210	265	705	35
15	1550	365	980	520	72	210	320	762	42
16	1640	365	980	520	72	210	320	808	42
17	1740	395	1110	570	81	230	370	860	42
18	1860	395	1110	570	81	230	370	920	42
19									
20									
21									
22									

规格 Size	尺寸 mm Gear units							
	G ₆	h	m ₁	m ₂	n ₁	n ₂	p ₂ ⁴⁾	s
13	1180	275	1195	680	50	360	500	48
14	1250	275	1335	680	50	430	500	48
15	1420	312.5	1435	750	60	430	570	55
16	1470	312.5	1525	750	60	475	570	55
17	1620	345	1610	850	70	465	630	55
18	1680	345	1730	850	70	525	630	55
19								
20								
21								
22								

规格 Size	尺寸 mm Output shaft									润滑油 Lubrication (L)	重量 Weight (kg)	
	TB3SV			TB3HV		TB3DV						TB3KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅			
13	200	335	350	190	335	190	195	335	480	见 (394-397) 页	115	2260
14	210	335	350	210	335	210	215	335	480		130	2615
15	230	380	410	230	380	230	235	380	550		180	3540
16	240	380	410	240	380	240	245	380	550		190	3765
17	250	415	410	250	415	250	260	415	600		260	4760
18	270	415	470	275	415	280	285	415	600		275	5240
19												
20												
21												
22												

直交轴减速器

四级传动

立式安装

类型 TB4.V

规格 5...12

Bevel-helical Gear Units

Four Stage

Vertical

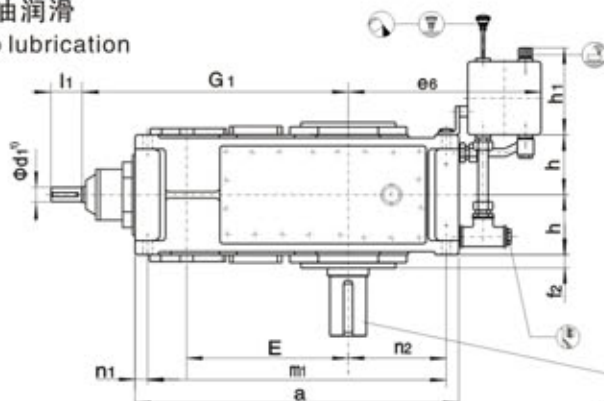
Type TB4.V

Sizes 5...12

TB4SV TB4HV TB4DV

采用浸油润滑

With dip lubrication

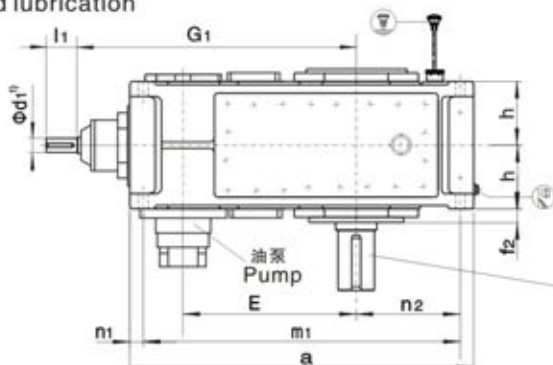


补偿油箱
Oil compensating tank

TB4SV TB4HV TB4DV

采用强制润滑

With forced lubrication

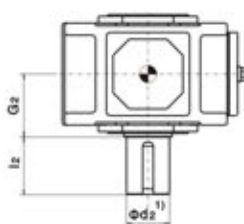


★ 输出轴
Output shaft

★ 输出轴
Output shaft

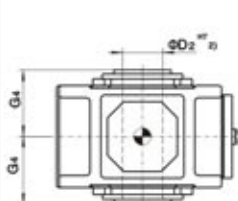
TB4SV

实心轴
Solid shaft



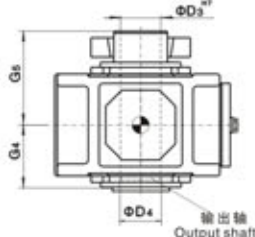
TB4HV

空心轴
Hollow shaft



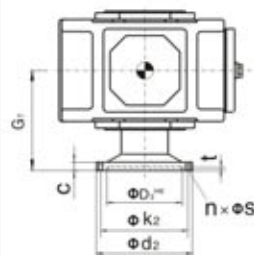
TB4DV

带胀紧盘的空心轴
Hollow shaft for shrink disk



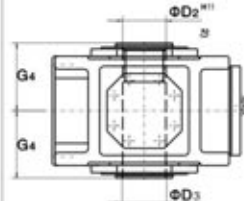
TB4FV 5)

法兰轴
Flanged shaft



TB4KV

花键空心轴
Hollow shaft



1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

有关平键和中心孔, 参见第 3 页

2) .键槽 GB/T1095-1979

3) .扭力支撑位于工作机侧

4) .有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

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1) .k6 ≤ Φ25 Φ28 ≤ m6 ≤ Φ100 n6 > Φ100

For parallel key and for centre hole, see page 3

2) .Keyway GB/T 1095-1979

3) .Torque support on driven machine side

4) .Space for pump, pipes and cover; for exact dimensions, please refer to us

5) .Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
四级传动
立式安装
类型 TB4.V
规格 5...12

Bevel-helical Gear Units
Four Stage
Vertical
Type TB4.V
Sizes 5...12

规格 Size	尺寸 mm Dimensions in mm							
	输入轴 Input shaft							
	in=80-180		in=100-224		in=200-315		in=250-400	
	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁
5	28	55			20	50		615
6			28	55			20	650
7	30	70			25	60		725
8			30	70			25	770
9	35	80			28	60		840
10			35	80			28	890
11	45	100			35	80		1010
12			45	100			35	1080

规格 Size	尺寸 mm Dimensions in mm							
	减速器 Gear units							
	a	b ₁	c	e ₄	e ₅	e ₆	E	f ₂
5	690	240	30	230	252	385	405	28
6	770	240	30	230	252	425	440	28
7	845	240	36	280	292	425	495	30
8	950	240	36	280	302	485	540	32
9	1000	330	45	320	342	560	580	32
10	1100	330	45	320	342	610	630	32
11	1200	330	54	380	402	595	705	35
12	1355	330	54	380	410	680	775	35

规格 Size	尺寸 mm Dimensions in mm							
	减速器 Gear units							
	h	h ₁	m ₁	m ₂	n ₁	n ₂	p ₂	s
5	127.5	205	630	360	30	175	270	24
6	127.5	205	710	360	30	220	270	24
7	150	205	775	430	35	215	330	28
8	150	205	880	430	35	275	330	28
9	185	275	920	490	40	260	370	36
10	190	275	1020	490	40	310	370	36
11	215	275	1100	600	50	295	440	40
12	215	275	1255	600	50	380	440	40

规格 Size	尺寸 mm			Dimensions in mm						润滑油 Lubrication		重量 Weight (kg)	
	输出轴			Output shaft						浸油润滑	强制润滑		
	TB4SV			TB4HV		TB4DV				TB4KV	Dip lubrication		Forced lubrication
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	(L)	(L)		
5	100	165	210	95	165	100	100	165	240	见 (394-397) 页	36	18	335
6	110	165	210	105	165	110	110	165	240		40	20	385
7	120	195	210	115	195	120	120	195	280		65	32	555
8	130	195	250	125	195	130	130	195	285		73	36	655
9	140	235	250	135	235	140	145	235	330		105	52	890
10	160	235	300	150	235	150	155	235	350		110	55	1025
11	170	270	300	165	270	165	170	270	400		175	87	1485
12	180	270	300	180	270	180	185	270	405		200	100	1750

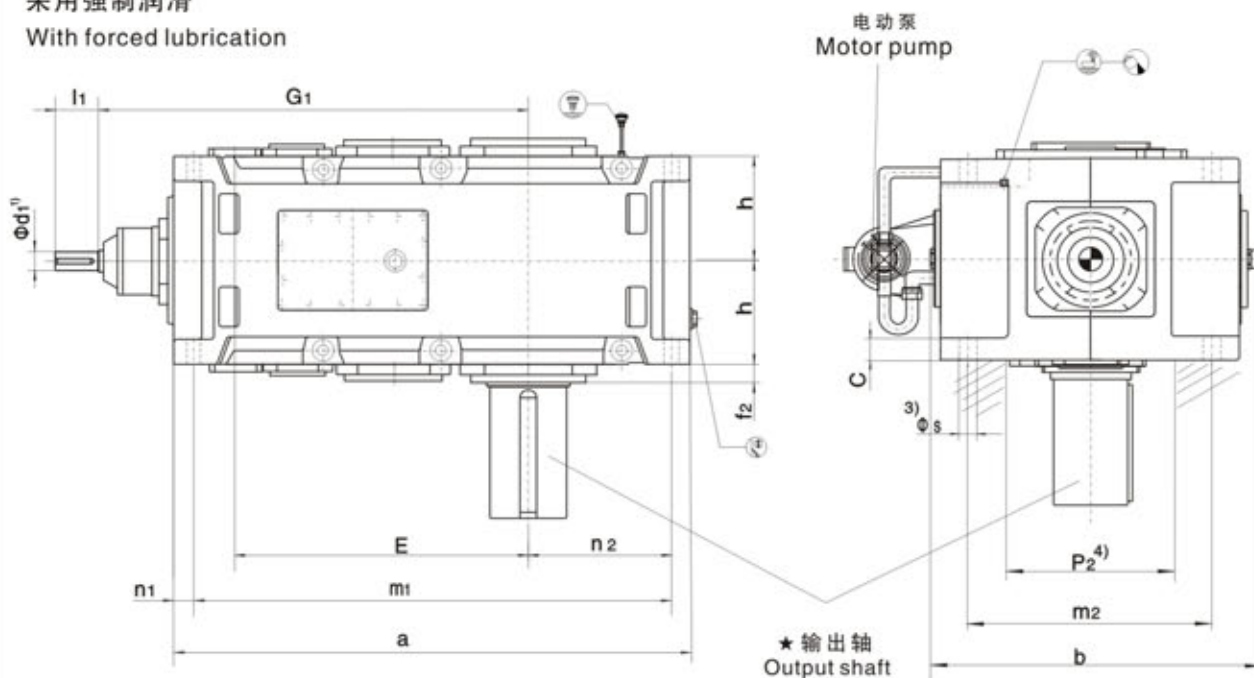
直交轴减速器
四级传动
立式安装
类型 TB4.V
规格 13...18

Bevel-helical Gear Units
Four Stage
Vertical
Type TB4.V
Sizes 13...18

TB4SV TB4HV TB4DV TB4FV

采用强制润滑

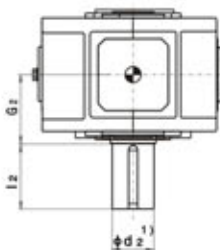
With forced lubrication



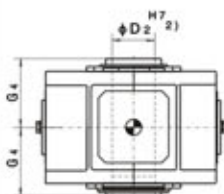
★ 输出轴

★ Output shaft

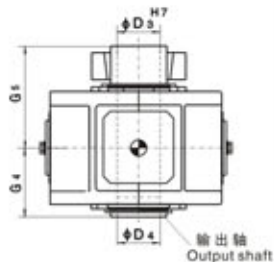
TB4SV
实心轴
Solid shaft



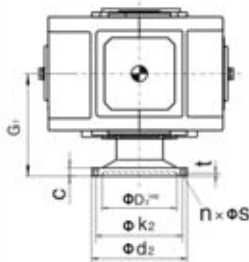
TB4HV
空心轴
Hollow shaft



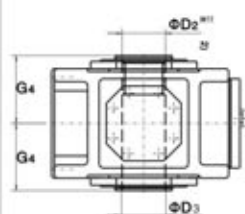
TB4DV
带胀紧盘的空心轴
Hollow shaft for shrink disk



TB4FV ⁵⁾
法兰轴
Flanged shaft



TB4KV
花键空心轴
Hollow shaft



1) $.m6 \leq \Phi 100$ $n_6 > \Phi 100$

有关平键和中心孔, 参见第 3 页

2) 键槽 GB/T 1095-1979

3) 扭力支撑位于工作机侧

4) 有关油泵、油管和护盖的安装空间及确切尺寸, 请与我们联系

5) 法兰轴安装尺寸及重量敬请垂询

1) $.m6 \leq \Phi 100$ $n_6 > \Phi 100$

For parallel key and for centre hole, see page 3

2) Keyway GB/T 1095-1979

3) Torque support on driven machine side

4) Space for pump, pipes and cover; for exact dimensions,

5) Dimensions and weight related to flanged shaft on request

外形安装尺寸 Mounting Dimension Sheets-overview



直交轴减速器
四级传动
立式安装
类型TB4.V
规格13...18

Bevel-helical Gear Units
Four Stage
Vertical
Type TB4.V
Sizes 13...18

规格 Size	尺寸 mm Dimensions in mm											
	输入轴 Input shaft											
	in=80-180		in=90-200		in=100-224		in=200-315		in=224-355		in=250-400	
	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁	d ₁ ¹⁾	l ₁
13	55	110					40	100				
14					55	110					40	100
15	70	135					50	110				
16			70	135					50	110		
17	70	135					50	110				
18			70	135					50	110		
19												
20												
21												
22												

规格 Size	尺寸 mm Dimensions in mm											
	减速器 Gear units											
	a	b	c	E	f ₂	h	m ₁	m ₂	n ₁	n ₂	p ₂	s
13	1395	900	61	820	35	275	1300	680	50	360	500	48
14	1535	900	61	890	35	275	1440	680	50	430	500	48
15	1680	980	72	987	42	312.5	1565	750	60	430	570	55
16	1770	980	72	1033	42	312.5	1655	750	60	475	570	55
17	1770	1110	81	1035	42	345	1640	850	70	465	630	55
18	1890	1110	81	1095	42	345	1760	850	70	525	630	55
19												
20												
21												
22												

规格 Size	尺寸 mm Dimensions in mm									润滑油 Lubrication (L)	重量 Weight (kg)	
	输出轴			Output shaft								
	TB4SV			TB4HV		TB4DV						TB4KV
	d ₂ ¹⁾	G ₂	l ₂	D ₂ ²⁾	G ₄	D ₃	D ₄	G ₄	G ₅	见 (394-397) 页		
13	200	335	350	190	335	190	195	335	480		135	2280
14	210	335	350	210	335	210	215	335	480		150	2605
15	230	380	410	230	380	230	235	380	550		210	3435
16	240	380	410	240	380	240	245	380	550		220	3765
17	250	415	410	250	415	250	260	415	600		270	4460
18	270	415	470	275	415	280	285	415	600		285	4930
19												
20												
21												
22												

减 速 器

带胀紧盘连接的空心轴

类型 TH2, TH3, TH4, TB3, TB4

规格 3...26

Gear Units

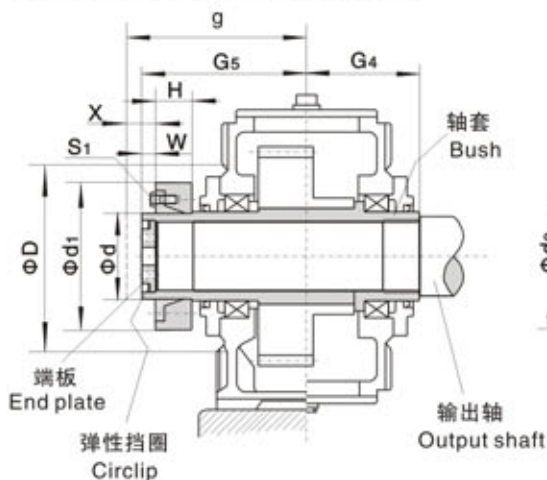
Hollow Shaft for Shrink Disks

Types TH2, TH3, TH4, TB3, TB4

Sizes 3...26

X=要求预留的力矩扳手空间

X=Space required for torque wrench

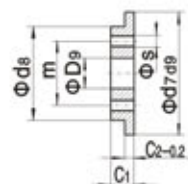
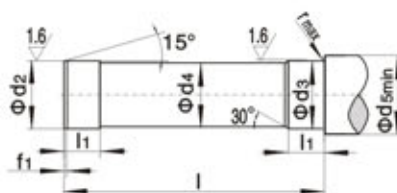


用于胀紧盘联接的工作机驱动轴。

工作机驱动轴表面不得沾有机油或润滑脂。

Driven machine shaft for shrink disk connection.

Driven machine shaft must be free of oil or grease.



端板
End plate

类型 TH2D、TH3D、TH4D、TB3D、TB4D

减速器 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft																端板 End plate					弹性 挡圈 Circlip 数量 Qty.	空心轴 Hollow shaft				胀紧盘 Shrink disk				螺钉 Screw		防护罩 Guard	
	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	D ₂	D ₃	G ₄	G ₅	d	d ₁		H	W	s ₁	D	g							
	mm																mm																	
3 4 5	70g6 85g6 100g6	70g6 85h6 100h6	69.5 84.5 99.5	80 95 114	4 4 5	286 326 383	38 48 53	2 2 2	17 17 20	7 7 8	75 90 105	55 70 80	22 22 26	40 50 55	M8 M8 M10	2 2 2	75 x 2.5 90 x 2.5 105 x 3	70 85 100	70 85 100	125 140 165	180 205 240	90 110 125	155 185 215	38 49 53	20 20 20	M8 M10 M10	235 275	225 260						
6 7 8	110g6 120g6 130g6	110h6 120h6 130h6	109.5 119.5 129.5	124 134 145	5 5 6	383 453 458	58 68 73	3 3 3	20 20 20	8 8 8	115 125 135	85 90 100	26 26 26	60 65 70	M10 M12 M12	2 2 2	115 x 3 125 x 3 135 x 3	110 120 130	110 120 130	165 195 195	240 280 285	140 155 165	230 263 290	58 62 68	20 23 23	M12 M12 M16	285 330 340	255 305						
9 10 11	140g6 150g6 165f6	145m6 155m6 170m6	139.5 149.5 164.5	160 170 185	6 6 7	539 559 644	82 92 112	4 4 4	23 23 23	10 10 10	150 160 175	110 120 130	33 33 33	80 90 90	M12 M12 M12	2 2 2	150 x 3 160 x 3 175 x 3	140 150 165	145 155 170	235 235 270	330 350 400	175 200 220	300 350 370	68 85 103	28 28 30	M16 M16 M16	360 395 435	355 365 420						
12 13 14	180f6 190f6 210f6	185m6 195m6 215m6	179.5 189.5 209.5	200 213 233	7 7 8	649 789 784	122 137 147	4 5 5	23 23 28	10 10 14	190 200 220	140 150 170	33 33 33	100 110 130	M16 M16 M16	2 2 2	190 x 3 200 x 3 220 x 5	180 190 210	185 195 215	270 335 335	405 480 480	240 260 280	405 430 460	107 119 132	30 30 30	M20 M20 M20	450 500 525	420 505 505						
15 16 17 18	230f6 240f6 250f6 280f6	235m6 245m6 260m6 285m6	229.5 239.5 249.5 279.5	253 263 278 306	8 8 8 9	899 899 982 982	157 157 177 177	5 5 5 5	28 28 30 30	14 14 14 14	240 250 265 290	180 190 200 210	39 39 39 39	140 150 150 160	M16 M20 M20 M20	2 2 2 2	240 x 5 250 x 5 265 x 5 290 x 5	230 240 250 280	235 245 260 285	380 380 415 415	550 550 600 600	300 320 340 360	485 520 570 590	140 140 150 159	35 35 35 35	M20 M20 M20 M20	575 595 615 635	575 575 630 625						
19 20 21 22	285f6 310f6 330f6 340f6	295m6 315m6 335m6 345m6	284.5 309.5 329 339	316 336 358 368	9 9 9 9	1100 1100 1160 1170	187 187 205 215	5 5 5 5	32 32 40 40	15 15 20 20	300 320 340 350	220 230 250 260	39 39 45 45	170 180 190 200	M24 M24 M24 M24	2 2 2 2	300 x 5 320 x 6 340 x 6 350 x 6	285 310 330 340	295 315 335 345	465 465 490 490	670 670 715 725	380 390 420 440	650 650 670 740	163 163 184 192	40 40 45 45	M24 M24 M24 M24	- - - -	- - - -						
23-26	敬请垂询 / On request																																	

1) 胀紧盘不在我们的供货范围之内。

如果需要的话,请另行订货。

2) 工作机驱动轴材质:60钢或强度更高的钢。

根据用户要求,胀紧盘可布置在工作机侧。

1) Shrink disk does not belong to our scope of supply.

Please order separately,if required.

2) Material of driven machine shaft:C60N or higher strength.

Shrink disk on machine side on request.



减 速 器

带胀紧盘连接的空心轴

类型 TB2

规格 2...18

Gear Units

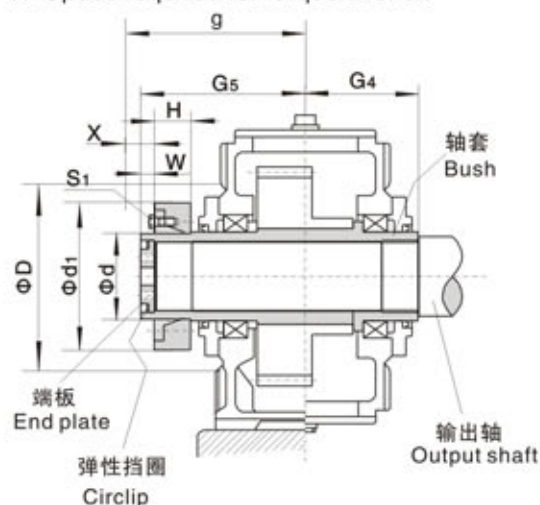
Hollow Shaft for Shrink Disks

Type TB2

Sizes 2...18

X = 要求预留的力矩扳手空间

X = Space required for torque wrench

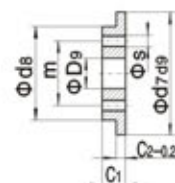
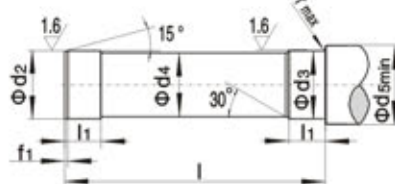


用于胀紧盘联接的工作机驱动轴。

工作机驱动轴表面不得沾有机油或润滑脂。

Driven machine shaft for shrink disk connection.

Driven machine shaft must be free of oil or grease.



端板
End plate

类型 TB2D

减 速 器 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft															端 板 End plate					弹性 挡圈 Circlip	空 心 轴 Hollow shaft				胀 紧 盘 Shrink disk				螺 钉 Screw		防 护 罩 Guard	
	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	r	c ₁	c ₂	d ₇	d ₈	D ₃	m	s	数量 Qty.	D ₂	D ₃	G ₄	G ₅		d	d ₁	H	W	s ₁	D	g					
	mm																mm																
2 3 4	60g6 70g6 85g6	60g6 70h6 85h6	59.5 69.5 84.5	70 80 95	3 4 4	300 326 386	36 38 48	2 2 2	13 17 17	6 7 7	65 75 90	47 55 70	22 22 22	35 40 50	M6 M8 M8	2 2 2	65×2.5 75×2.5 90×2.5	60 70 85	60 70 85	135 145 170	180 200 235	80 90 110	141 155 185	31 38 49	16 20 20	M8 M8 M10	235	255					
5 6 7	100g6 110g6 120g6	100h6 110h6 120h6	99.5 109.5 119.5	114 124 134	5 5 5	453 453 533	53 58 68	2 3 3	20 20 20	8 8 8	105 115 125	80 85 90	26 26 26	55 60 65	M10 M10 M12	2 2 2	105×3 115×3 125×3	100 110 120	100 110 120	200 200 235	275 275 320	125 140 155	215 230 263	53 58 62	20 20 23	M12 M12 M12	275 285 330	290 285 345					
8 9 10	130g6 140g6 150g6	130h6 145m6 155m6	129.5 139.5 149.5	145 160 170	6 6 6	538 609 629	73 82 92	3 4 4	20 23 23	8 10 10	135 150 160	100 110 120	26 33 33	70 80 90	M12 M12 M12	2 2 2	135×3 150×3 160×3	130 140 150	130 145 155	235 270 270	325 365 385	165 175 200	290 300 350	68 68 85	23 28 28	M16 M16 M16	340 360 395	345 390 400					
11 12 14	165f6 180f6 210f6	170m6 185m6 215m6	164.5 179.5 209.5	185 200 233	7 7 8	744 749 894	112 122 147	4 4 5	23 23 28	10 10 14	175 190 220	130 140 170	33 33 33	90 100 130	M12 M16 M16	2 2 2	175×3 190×3 220×5	165 180 210	170 185 215	320 320 390	450 455 535	220 240 280	370 405 460	103 107 132	30 30 30	M16 M20 M20	435 450 525	470 470 555					
16 18	240f6 280f6	245m6 285m6	239.5 279.5	263 306	8 9	1039 1177	157 177	5 5	28 30	14 14	250 290	190 210	39 39	150 160	M20 M20	2 2	250×5 290×5	240 280	245 285	450 510	620 700	320 360	520 590	140 159	35 35	M20 M24	595 635	645 725					

1) 胀紧盘不在我们的供货范围之内。

如果需要的话,请另行订货。

2) 工作机驱动轴材质: 60钢或强度更高的钢。

根据用户要求,胀紧盘可布置在工作机侧。

1) Shrink disk does not belong to our scope of supply.

Please order separately, if required.

2) Material of driven machine shaft: C60N or higher strength.

Shrink disk on machine side on request.

减 速 器

带花键 (DIN5480) 连接的空心轴

类型 TH2, TH3, TH4, TB3, TB4

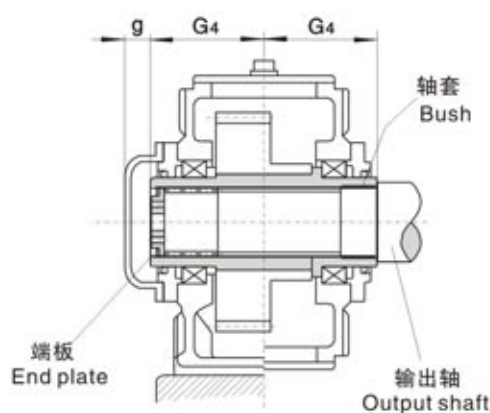
规格 5...26

Gear Units

Hollow Shaft for Spline(DIN5480)

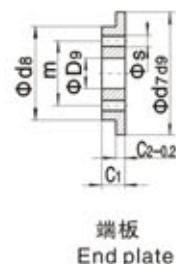
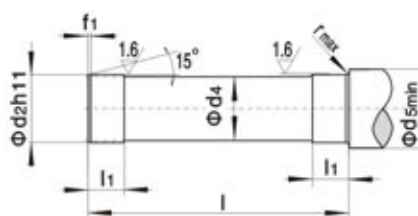
Types TH2, TH3, TH4, TB3, TB4

Sizes 5...26



带平键联接的工作机驱动轴键槽尺寸
根据GB/T1095确定。

Driven machine shaft for parallel key connection, keyway
acc. to GB/T1095.



类型type TH2K., TH3K., TH4K., TB3K., TB4K.

规格 size	渐开线花键 Involute splines DIN5480	工作机驱动轴 driven machine shaft										端板 end plate							弹性 挡圈 circlip	空心轴 hollow shaft				螺栓 bolt
		d2	d3	4d	d5	f1	l	l1	l2	r	c1	c2	d7	d8	d9	m	s	数量 Qty		D2	D3	G4	g	
5	W95*3*30*30*8f	94.4	100h6	93	114	3	308	53	90	2	20	8	105	80	26	55	M10	2	105*4	89	100	165	40	M24
6	W95*3*30*30*8f	94.4	100h6	93	124	3	308	58	90	3	20	8	105	80	26	55	M10	2	105*4	89	110	165	40	M24
7	W120*3*30*38*8f	119.4	120h6	118	134	3	368	68	105	3	20	8	125	90	26	65	M12	2	105*4	114	120	195	40	M24
8	W120*3*30*38*8f	119.4	130h6	118	145	3	368	73	105	3	20	8	125	90	26	65	M12	2	105*4	114	130	195	40	M24
9	W140*3*30*45*8f	139.4	145m6	138	160	3	444	82	125	4	23	10	150	110	33	80	M12	2	105*4	134	145	235	45	M30
10	W140*3*30*45*8f	139.4	155m6	138	170	3	444	92	125	4	23	10	150	110	33	80	M12	2	105*4	134	155	235	45	M30
11	W170*5*30*32*8f	169	170m6	168	185	5	514	112	150	4	23	10	175	130	33	90	M12	2	105*4	160	170	270	45	M30
12	W170*5*30*32*8f	169	185m6	168	200	5	514	122	150	4	23	10	175	130	33	90	M12	2	105*4	160	185	270	45	M30
13	W190*5*30*36*8f	189	195m6	188	213	5	644	137	180	5	23	10	200	150	33	110	M16	2	105*4	180	195	335	45	M30
14	W190*5*30*36*8f	189	215m6	188	233	5	644	147	180	5	23	10	200	150	33	110	M16	2	105*4	180	215	335	45	M30
15	W220*5*30*42*8f	219	235m6	218	253	5	728	157	200	5	28	14	240	180	39	140	M16	2	105*4	210	235	380	60	M36
16	W220*5*30*42*8f	219	245m6	218	263	5	728	157	200	5	28	14	240	180	39	140	M16	2	105*4	210	245	380	60	M36
17	W250*5*30*48*8f	249	260m6	248	278	5	796	177	215	5	30	14	265	200	39	150	M20	2	105*4	240	260	415	60	M36
18	W250*5*30*48*8f	249	285m6	248	306	5	796	177	215	5	30	14	265	200	39	150	M20	2	105*4	240	285	415	60	M36
19-26		敬请垂询/ On request																						

1)工作机驱动轴材质为42CrMo 或强度更高的钢材。

1)Material of driven machine shaft: 42CrMo or higher strength.

外形安装尺寸 Mounting Dimension Sheets-overview



减 速 器

带花键 (DIN5480) 连接的空心轴

类型 TB2

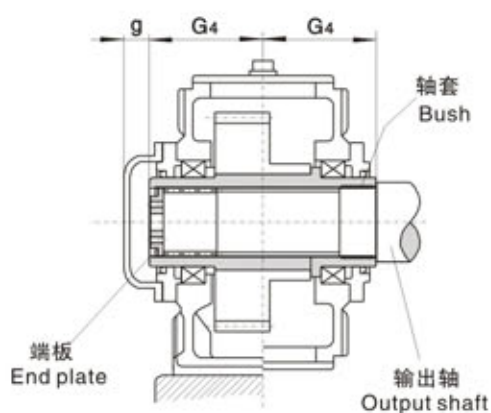
规格 5...18

Gear Units

Hollow Shaft for Spline(DIN5480)

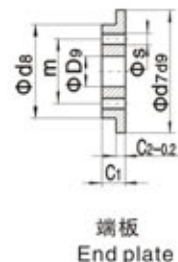
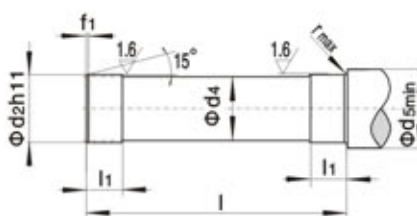
Type TB2

Sizes 5...18



带平键联接的工作机驱动轴.键槽尺寸
根据GB/T1095确定.

Driven machine shaft for parallel key connection, keyway
acc. to GB/T1095.



类型type TB2K.

类型type TB2K.

规格 size	渐开线花键 Involute splines DIN5480	工作机驱动轴 driven machine shaft										端板 end plate								弹性 挡圈 circlip	空心轴 hollow shaft				螺栓 bolt
		d2	d3	4d	d5	f1	l	l1	l2	r	c1	c2	d7	d8	D9	m	s	数量 Qty	D2		D3	G2	g		
5	W95*3*30*30*8f	94.4	100h6	93	114	3	378	53	90	2	20	8	105d9	80	26	55	M10	2	105*4	89	100	200	40	M24	
6	W95*3*30*30*8f	94.4	100h6	93	124	3	378	58	90	3	20	8	105d9	80	26	55	M10	2	105*4	89	110	200	40	M24	
7	W120*3*30*38*8f	119.4	120h6	118	134	3	448	68	105	3	20	8	125d9	90	26	65	M12	2	125*4	114	120	235	40	M24	
8	W120*3*30*38*8f	119.4	130h6	118	145	3	448	73	105	3	20	8	125d9	90	26	65	M12	2	125*4	114	130	235	40	M24	
9	W140*3*30*45*8f	139.4	145m6	138	160	3	514	82	125	4	23	10	150d9	110	33	80	M12	2	150*4	134	145	270	45	M30	
10	W140*3*30*45*8f	139.4	155m6	138	170	3	514	92	125	4	23	10	150d9	110	33	80	M12	2	150*4	134	155	270	45	M30	
11	W170*5*30*32*8f	169	170m6	168	185	5	614	112	150	4	23	10	175d9	130	33	90	M12	2	175*4	160	170	320	45	M30	
12	W170*5*30*32*8f	169	185m6	168	200	5	614	122	150	4	23	10	175d9	130	33	90	M12	2	175*4	160	185	320	45	M30	
14	W190*5*30*36*8f	189	215m6	188	233	5	745	147	180	5	23	10	200	150	33	110	M16	2	200*4	180	215	390	45	M30	
16	W220*5*30*42*8f	219	245m6	218	263	5	868	157	200	5	28	14	240	180	39	140	M16	2	240*4	210	245	450	60	M36	
18	W250*5*30*48*8f	249	285m6	248	306	5	986	177	215	5	30	14	265	200	39	150	M20	2	265*4	240	285	510	60	M36	

1)工作机驱动轴材质为42CrMo 或强度更高的钢材。

1)Material of driven machine shaft: 42CrMo or higher strength.

减 速 器

带花键 (GB/T3478.1) 空心轴

类型 TH2, TH3, TH4, TB3, TB4

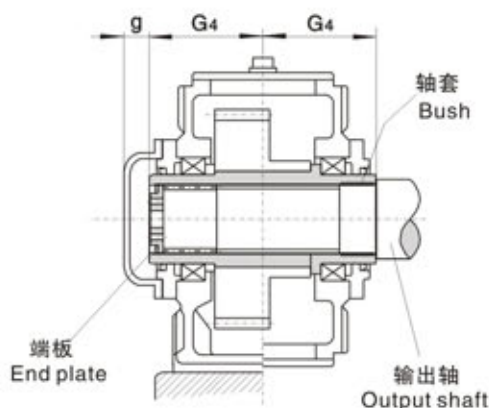
规格 5...18

Gear Units

Hollow Shaft for Spline (GB/T3478.1)

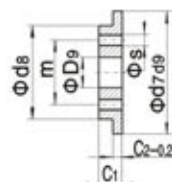
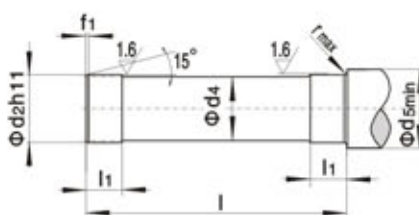
Types TH2, TH3, TH4, TB3, TB4

Sizes 5...18



带平键联接的工作机驱动轴.键槽尺寸
根据GB/T1095确定.

Driven machine shaft for parallel key connection, keyway
acc. to GB/T1095.



端板
End plate

类型 TH2K TH3K TH4K TB3K TB3K

减 速 器 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft																	端 板 End plate						弹性 挡 圈 Circlip	空 心 轴 Hollow shaft				螺钉 Screw	
	GB/T3478.1 -1995																													
	d 2	d 3	d 4	d 5	f 1	l	l 1	l 2	r	c 1	c 2	d 7	d 8	D 9	m	s	数量 Qty.	D 2	D 3	G 4	g	s 1								
mm																		mm												
5	30z*3m*30p*6h	93	100h6	90	114	3	308	53	90	2	20	8	105	80	26	55	M10	2	105*3	87	100	165	40	M24						
6	30z*3m*30p*6h	93	110h6	90	124	3	308	58	90	3	20	8	115	85	26	60	M10	2	115*3	87	110	165	40	M24						
7	38z*3m*30p*6h	117	120h6	114	134	3	368	68	105	3	20	8	125	90	26	65	M12	2	125*3	111	120	195	40	M24						
8	38z*3m*30p*6h	117	130h6	114	145	3	368	73	105	3	20	8	135	100	26	70	M12	2	135*3	111	130	195	40	M24						
9	45z*3m*30p*6h	135	145m6	135	160	3	444	82	125	4	23	10	150	110	33	80	M12	2	150*3	132	145	235	45	M30						
10	45z*3m*30p*6h	165	155m6	135	170	3	444	92	125	4	23	10	160	120	33	90	M12	2	160*3	132	155	235	45	M30						
11	32z*5m*30p*6h	165	170m6	160	185	5	514	112	150	4	23	10	175	130	33	90	M12	2	175*3	155	170	270	45	M30						
12	32z*5m*30p*6h	165	185m6	160	200	5	514	122	150	4	23	10	190	140	33	100	M16		190*3	155	185	270	45	M30						
13	36z*5m*30p*6h	185	195m6	180	213	5	644	137	180	5	23	10	200	150	33	110	M16	2	200*3	175	195	335	45	M30						
14	36z*5m*30p*6h	185	215m6	180	233	5	644	147	180	5	28	14	220	170	33	130	M16	2	220*3	175	215	335	45	M30						
15	42z*5m*30p*6h	215	235m6	210	253	5	728	157	200	5	28	14	240	180	39	140	M16	2	240*3	205	235	380	60	M36						
16	42z*5m*30p*6h	215	245m6	210	263	5	728	157	200	5	28	14	250	190	39	150	M20	2	250*3	205	245	380	60	M36						
17	48z*5m*30p*6h	245	260m6	240	278	5	796	177	215	5	30	14	265	200	39	150	M20	2	265*3	235	260	415	60	M36						
18	48z*5m*30p*6h	245	285m6	240	306	5	796	177	215	5	30	14	290	210	39	160	M20	2	290*3	235	285	415	60	M36						

外形安装尺寸 Mounting Dimension Sheets-overview



减 速 器

带花键 (GB/T3478.1) 空心轴

类型 TB2

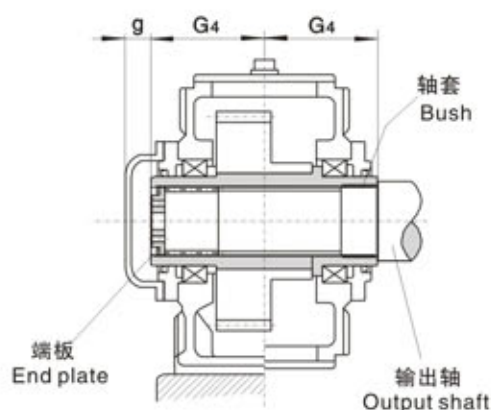
规格 5 ... 18

Gear Units

Hollow Shaft for Spline (GB/T3478.1)

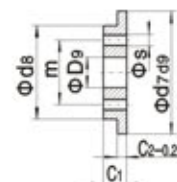
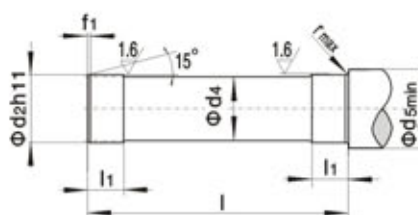
Type TB2

Sizes 5...18



带平键联接的工作机驱动轴.键槽尺寸
根据GB/T1095确定.

Driven machine shaft for parallel key connection, keyway
acc. to GB/T1095.



端板
End plate

类型 TB2K

减 速 器 规格 Gear unit size	工作机驱动轴 ²⁾ Driven machine shaft																端板 End plate										弹性 挡圈 Circlip	空心轴 Hollow shaft					螺钉 Screw Screws
	GB/T3478.1 -1995	d ₂	d ₃	d ₄	d ₅	f ₁	l	l ₁	l ₂	r	c ₁	c ₂	d ₇	d ₈	D ₉	m	s	数量 Qty.	D ₂	D ₃	G ₄	g	s ₁										
	mm																			mm													
5	30z*3m*30p*6h	93	100h6	90	114	3	378	53	90	2	20	8	105	80	26	55	M10	2	105*3	87	100	200	40	M24									
6	30z*3m*30p*6h	93	110h6	90	124	3	378	58	90	3	20	8	115	85	26	60	M10	2	115*3	87	110	200	40	M24									
7	38z*3m*30p*6h	117	120h6	114	134	3	448	68	105	3	20	8	125	90	26	65	M12	2	125*3	111	120	235	40	M24									
8	38z*3m*30p*6h	117	130h6	114	145	3	448	73	105	3	20	8	135	100	26	70	M12	2	135*3	111	130	235	40	M24									
9	45z*3m*30p*6h	135	145m6	135	160	3	514	82	125	4	23	10	150	110	33	80	M12	2	150*3	132	145	270	45	M30									
10	45z*3m*30p*6h	165	155m6	135	170	3	514	92	125	4	23	10	160	120	33	90	M12	2	160*3	132	155	270	45	M30									
11	32z*5m*30p*6h	165	170m6	160	185	3	614	112	150	4	23	10	175	130	33	90	M12	2 2	175*3	155	170	320	45	M30									
12	32z*5m*30p*6h	165	185m6	160	200	3	614	122	150	4	23	10	190	140	33	100	M16		190*3	155	185	320	45	M30									
14	36z*5m*30p*6h	185	215m6	180	233	3	754	147	180	5	28	14	220	170	33	130	M16	2	220*3	175	215	390	45	M30									
16	42z*5m*30p*6h	215	245m6	210	263	3	868	157	200	5	28	14	250	190	39	150	M20	2	250*3	205	245	450	60	M30									
18	48z*5m*30p*6h	245	285m6	240	306	3	986	177	215	5	30	14	290	210	39	160	M20	2	290*3	235	285	510	60	M30									

1)工作机驱动材质为42CrMo或强度更高的钢材。

1) Material of driven machine shaft: 42CrMo or higher strength.

减 速 器

带平键连接的空心轴

类型 TH2, TH3, TH4, TB3, TB4

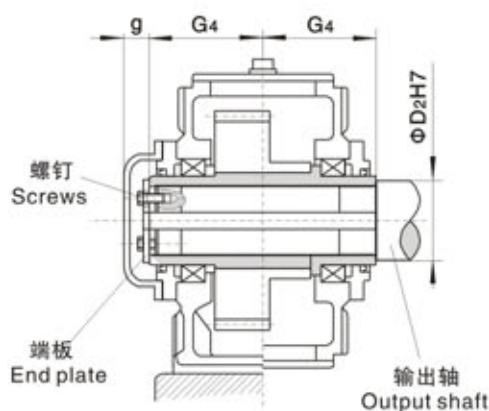
规格 3...18

Gear Units

Hollow Shaft for Parallel Key Connections

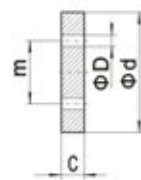
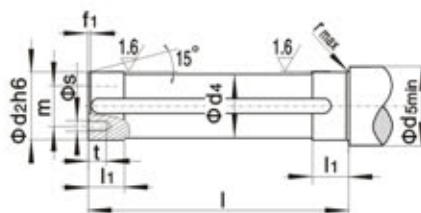
Types TH2, TH3, TH4, TB3, TB4

Sizes 3...18



带平键联接的工作机驱动轴.键槽尺寸
根据GB/T1095确定.

Driven machine shaft for parallel key connection, keyway
acc. to GB/T1095.



端板
End plate

类型 TH2H、TH3H、TH4H、TB3H、TB4H

Types TH2, TH3, TH4, TB3, TB4

减 速 器 规格 Gear unit size	工作机驱动轴 1) Driven machine shaft										端板 End plate			螺钉 Screw		空心轴 Hollow shaft		
	d ₂	d ₄	d ₅	f ₁	l	l ₁	r	s	t	c	D	d	m	规格 Type	数量 Qty.	D ₂	G ₄	g
	mm															mm		
3	65	64.5	73	4	248	30	1.2	M10	18	8	11	78	45	M10×25	2	65	125	35
4	80	79.5	88	4	278	35	1.2	M10	18	10	11	100	60	M10×25	2	80	140	35
5	95	94.5	105	5	328	40	1.6	M10	18	10	11	120	70	M10×25	2	95	165	40
6	105	104.5	116	5	328	45	1.6	M10	18	10	11	120	70	M10×25	2	105	165	40
7	115	114.5	126	5	388	50	1.6	M12	20	12	13.5	140	80	M12×30	2	115	195	40
8	125	124.5	136	6	388	55	2.5	M12	20	12	13.5	150	85	M12×30	2	125	195	40
9	135	134.5	147	6	467	60	2.5	M12	20	12	13.5	150	90	M12×30	2	135	235	45
10	150	149.5	162	6	467	65	2.5	M12	20	12	13.5	185	110	M12×30	2	150	235	45
11	165	164.5	177	7	537	70	2.5	M16	28	15	17.5	195	120	M16×40	2	165	270	45
12	180	179.5	192	7	537	75	2.5	M16	28	15	17.5	220	130	M16×40	2	180	270	45
13	190	189.5	206	7	667	80	3	M16	28	18	17.5	230	140	M16×40	2	190	335	45
14	210	209.5	226	8	667	85	3	M16	28	18	17.5	250	160	M16×40	2	210	335	45
15	230	229.5	248	8	756	100	3	M20	38	25	22	270	180	M20×55	4	230	380	60
16	240	239.5	258	8	756	100	3	M20	38	25	22	280	180	M20×55	4	240	380	60
17	250	249.5	270	8	826	110	4	M20	38	25	22	300	190	M20×55	4	250	415	60
18	275	274.5	295	9	826	120	4	M20	38	25	22	330	210	M20×55	4	275	415	60

1) 工作机驱动轴材质: 60钢或强度更高的钢。

1) Material of driven machine shaft: C60N or higher strength.

平键不在我们的供货范围之内。

Parallel key does not belong to our scope of supply.

如果需要的话, 请另行订货。

Please order separately, if required.



减 速 器

带平键连接的空心轴

类型 TB2

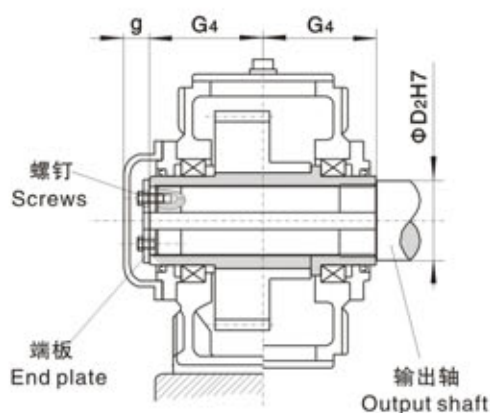
规格 2...18

Gear Units

Hollow Shaft for Parallel Key Connections

Type TB2

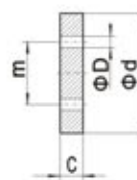
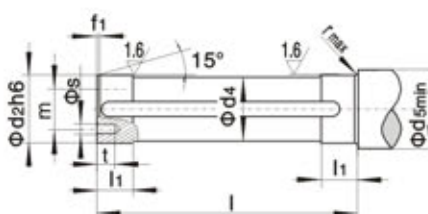
Sizes 2...18



带平键联接的工作机驱动轴.键槽尺寸

根据GB/T1095确定.

Driven machine shaft for parallel key connection, keyway acc. to GB/T1095.



端板
End plate

类型TB2H

Types TB2

减速器 规格 Gear unit size	工作机驱动轴 ¹⁾ Driven machine shaft									端板 End plate				螺钉 Screw		空心轴 Hollow shaft		
	d ₂	d ₄	d ₅	f ₁	l	l ₁	r	s	t	c	D	d	m	规格 Type	数量 Qty.	D ₂	G ₄	g
	mm															mm		
2 3 4	55 65 80	54.5 64.5 79.5	63 73 88	3 4 4	268 288 338	30 30 35	1.2 1.2 1.2	M8 M10 M10	15 18 18	8 8 10	9 11 11	70 78 100	40 45 60	M8×20 M10×25 M10×25	2 2 2	55 65 80	135 145 170	35 35 35
5 6 7	95 105 115	94.5 104.5 114.5	105 116 126	5 5 5	398 398 468	40 45 50	1.6 1.6 1.6	M10 M10 M12	18 18 20	10 10 12	11 11 13.5	120 120 140	70 70 80	M10×25 M10×25 M12×30	2 2 2	95 105 115	200 200 235	40 40 40
8 9 10	125 135 150	124.5 134.5 149.5	136 147 162	6 6 6	468 537 537	55 60 65	2.5 2.5 2.5	M12 M12 M12	20 20 20	12 12 12	13.5 13.5 13.5	150 150 185	85 90 110	M12×30 M12×30 M12×30	2 2 2	125 135 150	235 270 270	40 45 45
11 12	165 180	164.5 179.5	177 192	7 7	637 637	70 75	2.5 2.5	M16 M16	28 28	15 15	17.5 17.5	195 220	120 130	M16×40 M16×40	2 2	165 180	320 320	45 45
14 16 18	210 240 275	209.5 239.5 274.5	226 258 295	8 8 9	777 896 1016	85 100 120	3 3 4	M16 M20 M20	28 38 38	18 25 25	17.5 22 22	250 280 330	160 180 210	M16×40 M20×55 M20×55	2 4 4	210 240 275	390 450 510	45 60 60

1) 工作机驱动轴材质:60钢或强度更高的钢。

平键不在我们的供货范围之内。

如果需要的话,请另行订货。

1) Material of driven machine shaft:C60N or higher strength.

Parallel key does not belong to our scope of supply.

Please order separately,if required.

减 速 器

与法兰轴联接的对接法兰

类型 TH2, TH3, TH4, TB2, TB3, TB4

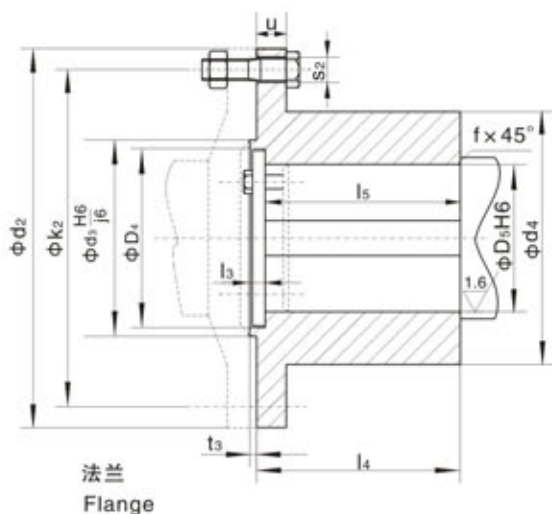
规格 5...12

Gear Units

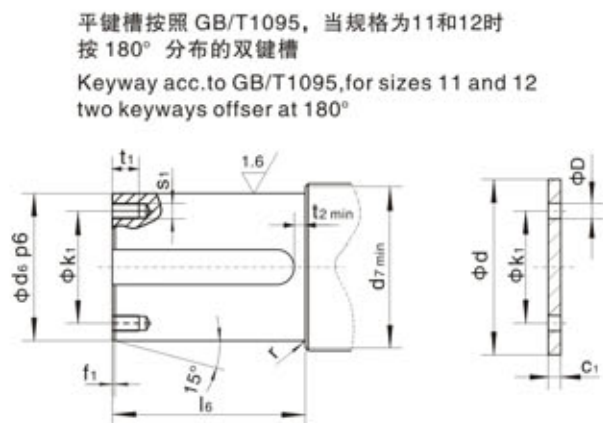
Counterflanges for Flanged Shafts

Type TH2, TH3, TH4, TB2, TB3, TB4

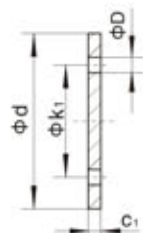
Size 5...12



法兰
Flange



工作机驱动轴
Driven machine shaft



端板
End plate

平键槽按照 GB/T1095, 当规格为11和12时按 180° 分布的双键槽
Keyway acc.to GB/T1095, for sizes 11 and 12 two keyways offset at 180°

类型 / Types TH2F., TH3F., TH4F., TB2F., TB3F., TB4F.

规格 Size	法兰 / Flange													螺栓 / Bolt ¹⁾		
	d ₂	d ₃	d ₄	D ₄	D ₅	f	k ₂	l ₃	l ₄	l ₅	s ₂	t ₃	u	规格 Size	数量 Qty.	T _A ²⁾
	mm															Nm
5	300	150	190	135	110	2.5	260	16	175	167	M20	8	25	M20×70	16	610
6	320	160	210	145	120	2.5	280	22	185	171	M20	8	25	M20×70	18	610
7	370	180	230	160	135	2.5	320	21	220	207	M24	8	30	M24×90	16	1050
8	390	190	270	175	150	2.5	340	22	220	206	M24	8	30	M24×90	18	1050
9	430	220	290	195	160	4.0	380	22	250	238	M24	10	38	M24×100	20	1050
10	470	240	310	220	180	4.0	420	22	250	238	M24	10	38	M24×100	22	1050
11	510	260	340	235	200	4.0	450	22	290	278	M30	10	42	M30×120	18	2100
12	540	280	360	255	210	4.0	480	22	290	278	M30	10	42	M30×120	22	2100

规格 Size	工作机驱动轴 Driven machine shaft									端板 End plate				螺栓 / Bolt		重量 Weight kg
	d ₆	d ₇	f ₁	k ₁	l ₆	r	s ₁	t ₁	t ₂	c ₁	d	D	k ₁	规格 Size	数量 Qty.	
	mm									mm						
5	110	122	2.5	80	165	2	M12	28	7.5	10	130	13.5	80	M12×35	4	35
6	120	132	2.5	95	169	2	M16	32	7.5	14	140	17.5	95	M16×45	4	45
7	135	147	2.5	95	205	2	M16	32	16	14	155	17.5	95	M16×45	4	65
8	150	162	2.5	110	204	2	M16	32	16	16	170	17.5	110	M16×45	4	85
9	160	176	4.0	110	235	3	M16	32	16	16	190	17.5	110	M16×45	4	115
10	180	196	4.0	145	235	3	M20	38	16	18	215	22	145	M20×55	4	130
11	200	216	4.0	145	275	3	M20	38	16	18	230	22	145	M20×55	4	175
12	210	230	4.0	160	275	3	M20	38	16	18	250	22	160	M20×55	4	200

平键不在供货范围内。如果需要请另行订购。

Parallel key does not belong to our scope of supply. Please order separately, if required.

1) 螺栓按照 GB/T5783, 性能等级为10.9级;

1) Bolts acc.to GB/T5783, material 10.9;

螺母按照 GB/T5783, 性能等级为10级

Nuts acc.to GB/T5783, material 10

2) 法兰联接螺栓的拧紧力矩。

2) Tightening torque of flange connection bolts



减 速 器

与法兰轴联接的对接法兰

类型 TH2, TH3, TH4, TB2, TB3, TB4

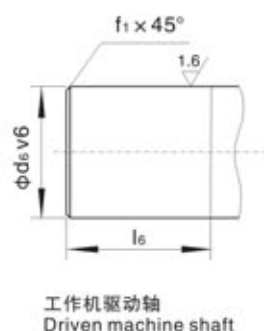
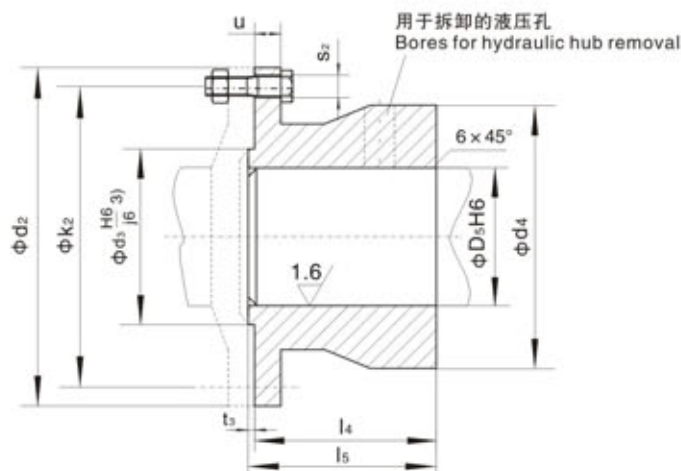
规格 13...26

Gear Units

Counterflanges for Flanged Shafts

Type TH2, TH3, TH4, TB2, TB3, TB4

Size 13...26



类型 / Types TH2F., TH3F., TH4F., TB2F., TB3F., TB4F.

规格 Size	法兰 / Flange										螺栓 / Bolt ¹⁾			工作机驱动轴 Driven machine shaft			重量 Weight kg
	d ₂	d ₃	d ₄	D ₅ ²⁾	k ₂	l ₄	l ₅	s ₂	t ₃	u	规格 Size	数量 Qty.	T _A	d ₆	f ₁	l ₆	
	mm												Nm	mm			
13	580	310	390	240	500	310	322	M30	12	48	M30×130	20	2100	240	3	322	235
14	620	310	425	260	540	345	357	M30	12	48	M30×130	24	2100	260	3	357	300
15	710	360	460	280	630	365	380	M30	15	55	M30×140	28	2100	280	3	380	400
16	740	360	480	300	660	395	410	M30	15	55	M30×140	30	2100	300	4	410	450
17	750	410	520	320	660	420	436	M36	16	60	M36×160	24	3560	320	4	436	540
18	800	410	550	340	710	450	466	M36	16	60	M36×160	26	3560	340	4	466	650
19-26	敬请垂询 / On request																

1) 螺栓按照 GB/T5783, 性能等级为10.9级;

螺母按照 GB/Tb170, 性能等级为10级

2) 需要其它尺寸请垂询 (如地脚安装就可以采用较小的D₅尺寸)。

3) 在热压冷缩配合后保证尺寸d₃公差为j6

带键槽的对接法兰请垂询。

对接法兰在装配时应加热至 190°C, 工作机驱动轴应在 20°C

1) Bolts acc. to GB/T5783, material 10.9;

Nuts acc. to GB/T5783, material 10.

2) Other diameters on request. (For foot-mounted design, smaller bores D₅ are possible).

3) Ensure the tolerance of Dimension d₃ as j6 after shrink fitting.

Counterflange with keyway on request.

For assembly, heat counterflange to 190°C, and driven machine shaft to 20°C.

注: 该法兰用户自配, 尺寸供设计时参考。

Note: The flange is equipped by customer, dimensions are reference for designing.

减 速 器

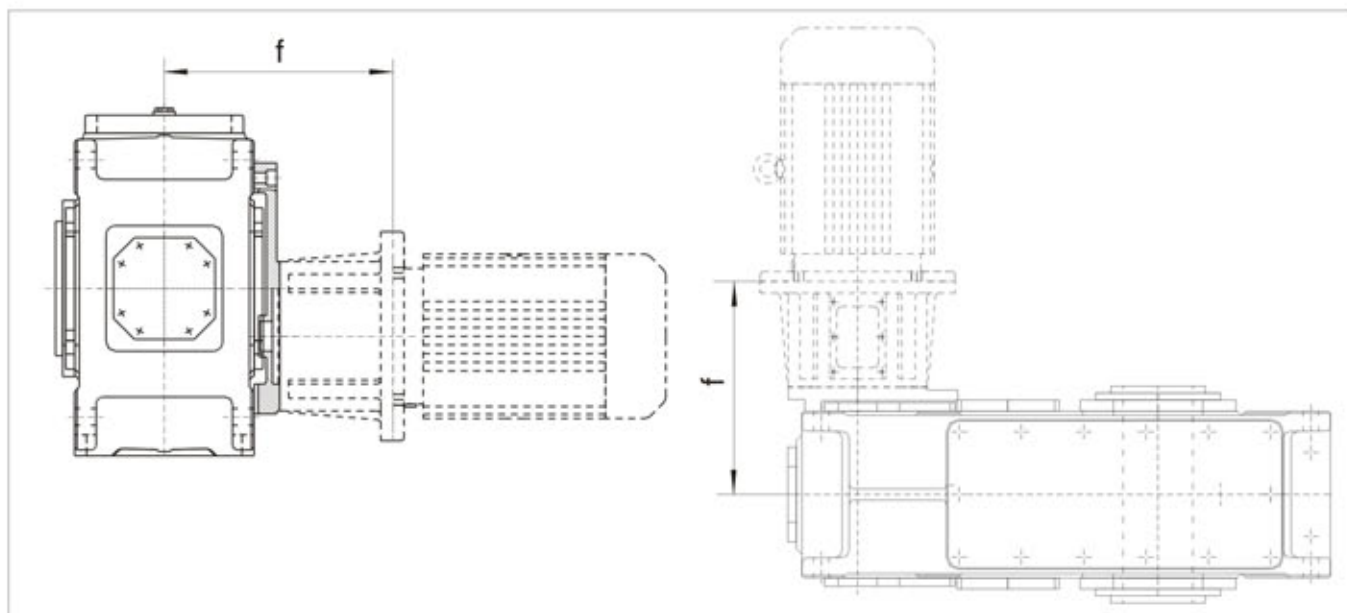
电机钟形支座附件70

类型 TH2, TH3, TH4

Gear Units

Motor mounting with flanges

Type TH2, TH3, TH4



TH2..					
电机功率 Motor Power	4	5/6	7/8	9	10
	f mm				
11-15kW	403				
18.5-22kW	403	428			
30kW	405	430	490		
37-45kW	442	467	527	567	572
55kW		467	527	567	572
75-90kW			527	567	572

TH4..						
电机功率 Motor Power	7/8	9		10		11/12
	f mm					
		传动比 i_N / Ratio i_N				
		≥ 200	≤ 180	≥ 200	≤ 180	
2.2-4kW	318					
5.5-7.5kW	341	379		384		
11-15kW	383	421	430	426	435	493
18.5-22kW		421	430	426	435	493
30kW			432		437	495
37-45kW			469		474	532
55kW						532

TH3..											
电机功率 Motor Power	规 格 / Size										
	5/6		7/8		9		10		11/12		
	f mm										
	传动比 in / Ratio in										
	≥ 50	≤ 45	≥ 50	≤ 45	=50-63 ≥ 71	≤ 45	≥ 63	≤ 56	≥ 71	=50-63	≤ 45
11-15kW	316		388		463	508	468	513			
18.5-22kW	357	376	388	413	463	508	468	513			
30kW	357	376	390	415	465	510	470	515			
37-45kW	359	378	427	452	502	547	507	552	507	532	577
55kW		415	427	452	502	547	507	552	507	532	577
75-90kW		415			502	547	507	552	507	532	577

注：此表数据系电机为4极时。标准电机的安装尺寸参见第482页。

Note: Data in the above table calculated based on 4 pole motor. Fitting dimensions for standard motors see page 482 .

外形安装尺寸 Mounting Dimension Sheets-overview



减 速 器

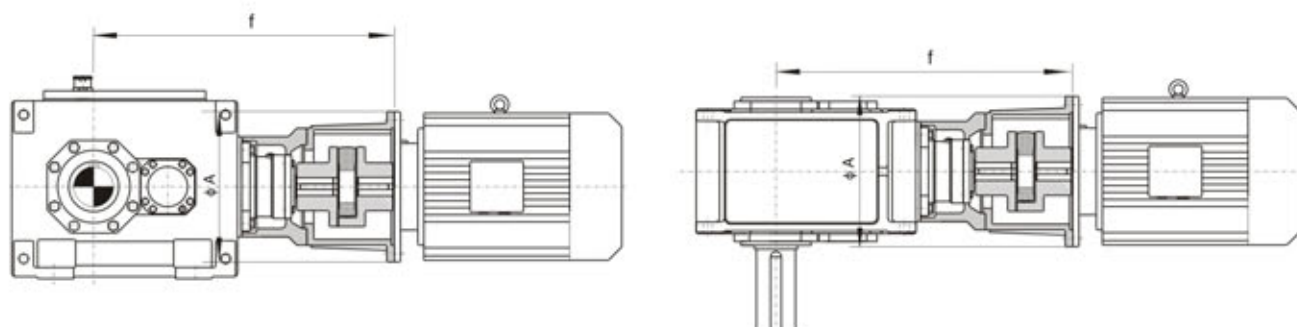
电机钟形支座附件70

类型 TB2, TB3, TB4

Gear Units

Motor mounting with bell housing flanges

Type TB2, TB3, TB4



TB2..									
电机功率 Motor Power	规 格 / Size								
	4	5	6	7	8				
	f	A	f	A	f	f	A	f	
mm									
11-15kW	708	350							
18.5-22kW	708	350							
30kW	710	400	790	400	825				
37-45kW			827	450	862	957	450	1002	
55kW						957	550	1002	
75-90kW						957	550	1002	

TB3..													
电机功率 Motor Power	规 格 / Size												
	4	5	6	7	8	9	10	11	12				
	f	A	f	A	f	f	A	f	f	A	f	f	A
mm													
2.2-4kW	648	250											
5.5-7.5kW	671	300	756	350	791								
11-15kW	713	350	788	350	823	933	400	978					
18.5-22kW	713	350	788	350	823	933	400	978	1053	420	1103		
30kW	715	400	780	400	825	935	400	980	1055	420	1105	1240	400
37-45kW			827	450	862	972	450	1017	1092	450	1142	1277	450
55kW						972	550	1017	1092	550	1142	1277	550
75-90kW						972	550	1017	1092	550	1142	1277	550

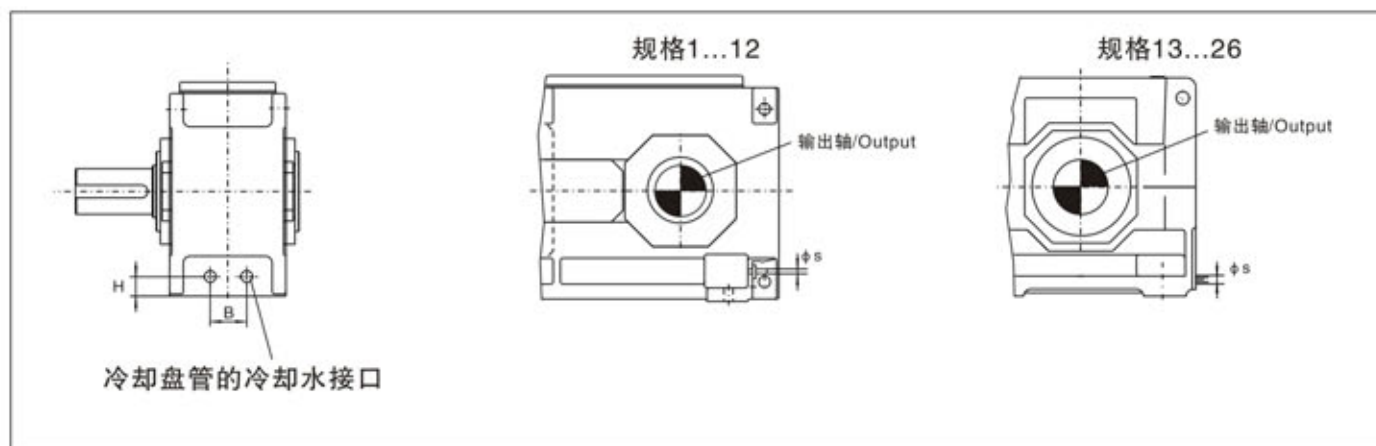
TB4..																	
电机功率 Motor Power	规 格 / Size																
	5	6	7	8	9	10	11	12	13	14	15	16	17	18			
	f	A	f	f	A	f	f	A	f	f	A	f	f	A	f	f	A
mm																	
2.2-4kW	753	250	788	873	250	918		350									
5.5-7.5kW	776	300	811	896	300	941	1021	350	1071								
11-15kW	818	350	853	938	350	983	1053	350	1103	1253	400	1323					
18.5-22kW	818	350	853	938	350	983	1053	400	1103	1253	400	1323	1423	420	1493		
30kW				940	400	985	1055	450	1105	1255	400	1325	1423	420	1493	1682	400
37-45kW							1092		1142	1292	450	1362	1462	450	1532	1719	450
55kW										1292	550	1362	1462	550	1532	1719	550
75-90kW										1292	550	1362	1462	550	1532	1719	550

注：此表数据系电机为4极时。标准电机的安装尺寸参见第482页。

Note: Data in the above table calculated based on 4 pole motor. Fitting dimensions for standard motors see page 482 .

内置冷却盘管 附件79

Built in cooling coil annex 79



规格	TH1..			TH2.. TB3..			TH3..			TB2..		
	B	H	S	B	H	S	B	H	S	B	H	S
1	30	45	G1/4									
2										60	35	G1/4
3	48	74	G1/2	50	55	G1/2				58	52	G1/2
4				60	60	G1/2				74	54	G1/2
5	88	90	G1/2	68	60	G1/2	70	60	G1/2	130	62	G1/2
6				70	68	G1/2	70	69	G1/2	120	68	G1/2
7	124	135	G1/2	100	83	G1/2	100	83	G1/2	195	70	G1/2
8				100	83	G1/2	100	83	G1/2	100	83	G1/2
9	116	110	G1/2	140	85	G1/2	150	85	G1/2	232	110	G1/2
10				100	95	G1/2	90	95	G1/2	232	110	G1/2
11	146	130	G1/2	110	95	G1/2	200	95	G1/2	312	110	G1/2
12				200	109	G1/2	200	109	G1/2	312	110	G1/2
13	152	150	G1/2	252	116	G1/2	252	116	G1/2	324	116	G1/2
14				252	116	G1/2	252	116	G1/2	324	116	G1/2
15	172	130	G1/2	290	119	G1/2	290	119	G1/2	535	60	G1/2
16				290	119	G1/2	290	119	G1/2	396	119	G1/2
17	202	145	G1/2	340	134	G1/2	300	134	G1/2	468	134	G1/2
18				340	134	G1/2	300	134	G1/2	468	134	G1/2
19-26	根据用户要求供货											

外形安装尺寸 Mounting Dimension Sheets-overview



减 速 器

布置形式

类型 TH2...TH4, TB2...TB4

规格 1...26

Gear Units

Design

Types TH2...TH4, TB2...TB4

Sizes 1...26

平行轴减速器 Helical gear units	(视图方向: 水平放置从上向下看) (View orientation: placed horizontally from looking down)	直交轴减速器 Bevel-helical gear units
实心轴 / Solid shaft		
TH.SH A 		TB.SH A
B 		B
C 		C
D 		D
E 		E
F 		F
G 		
H 		
I 		
带胀紧盘空心轴 / Hollow shaft for shrink disk *)		
TH.DH, TH.DM A 		TB.DH, TB.DM A
B 		B
C 		
D 		D
G 		
H 		
空心轴 / Hollow shaft *)		
TH.HH, TH.HM A 		TB.HH, TB.HM A/B
B 		C/D
G 		
法兰轴 / Flanged shaft		
TH.FH, TH.FM A 		TB.FH, TB.FM A
B 		B
C 		
D 		C
G 		D
H 		
带花键空心轴/hollow shaft with involute spline		
TH.KH, TH.KM A 		TB.KH, TB.KM A
B 		B
C 		
D 		C
G 		D
H 		

*) 箭头表示工作机驱动轴插入方向。

*) The arrow indicates the direction of insertion of the driven machine shaft.

布置形式 Arrangement form

减 速 器

布置形式

类型 TH2...TH4, TB2...TB4

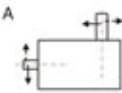
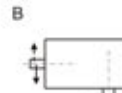
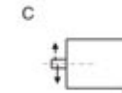
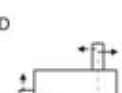
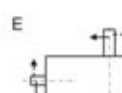
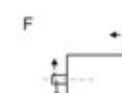
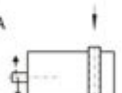
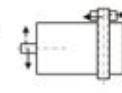
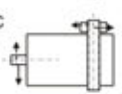
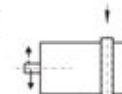
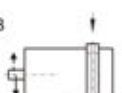
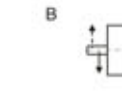
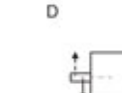
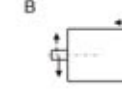
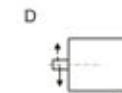
规格 1...26

Gear Units

Design

Types TH2...TH4, TB2...TB4

Sizes 1...26

平行轴减速器 Helical gear units		直交轴减速器 Bevel-helical gear units	
实心轴 / Solid shaft			
TH.SV A  B  C  D  E  F  G  H  I 		TB.SV A  B  C  D  E  F 	
带胀紧套空心轴 / Hollow shaft for shrink disk *)			
TH.DV A  B  C  D  G  H 		TB.DV A  B  C  D 	
空心轴 / Hollow shaft *)			
TH.HV A  B  G 		TB.HV A/B  C/D 	
法兰轴 / Flanged shaft			
TH.FV A  B  C  D  G  H 		TB.FV A  B  C  D 	
带花键空心轴/hollow shaft with involute spline			
TH.KV A  B  C  D  G  H 		TB.KV A  B  C  D 	

*) 箭头表示工作机驱动轴插入方向。

*) The arrow indicates the direction of insertion of the driven machine shaft.

布置形式 Arrangement form



齿轮箱

齿轮箱减振扭力臂支撑附件75

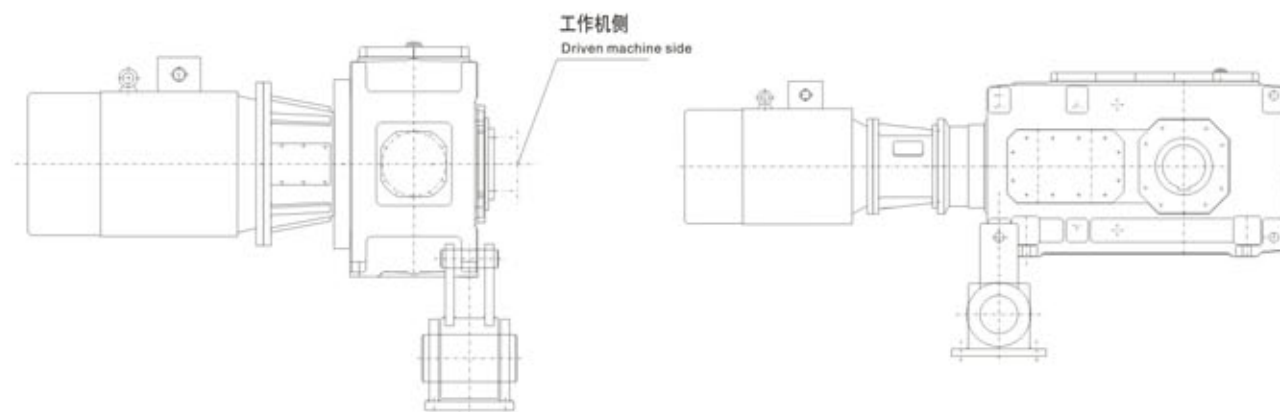
类型 TH2, TH3, TH4, TB2, TB3, TB4 扭力臂

Gear Units

Vibration reducing

Torque Supports for Gear Housing Torque arm75

Types H2,H3,H4,B2,B3,B4 Torque arm



最大传递扭矩受扭力臂支撑的限制:

$$T_{\max} = f_{\text{DMST}} * T_{2\text{Nenn}}$$

The maximum transmissible torque is limited by the torque support:

$$T_{\max} = f_{\text{DMST}} * T_{2\text{Nenn}}$$

表1/Table 1

扭力臂支撑的峰值扭矩系数 f_{DMST} ¹⁾
Peak torque factor f_{DMST} for torque support

齿轮箱规格 Gear unit size	类型 / Type					
	H2	H3	H4	B2	B3	B4
4	1.3	—	—	1.2	1.2	—
5	1.9	2.0	—	1.2	1.6	2.0
6	1.6	1.7	—	1.2	1.4	1.7
7	2.0	2.0	2.0	1.3	1.8	2.0
8	1.7	2.0	2.0	1.2	1.6	2.0
9	1.5	1.6	1.7	1.2	1.2	1.7
10	1.3	1.4	1.4	1.2	1.2	1.4
11	2.0	2.0	2.0	1.9	2.0	1.2
12	2.0	2.0	2.0	1.8	2.0	1.2
13	—	2.0	2.0	1.4	1.8	2.0
14	—	1.9	2.0	1.3	1.7	2.0
15	—	1.5	1.7	—	1.4	1.6
16	—	1.4	1.5	—	1.3	1.5
17	—	1.2	1.3	—	1.2	1.3
18	—	1.2	1.2	—	1.2	1.2
19-26	敬请垂询/on request					

1)表中给出的数值为最小值，
旋转方向和电机类型确定后有可能允许更大的峰值扭矩。
请垂询！

1)the values in the table are minimum values. Dependent on
direction of rotation and motortype, higher peak torques may
possibly be allowed.
Please consult us!

齿轮箱

齿轮箱减振扭力臂支撑附件75

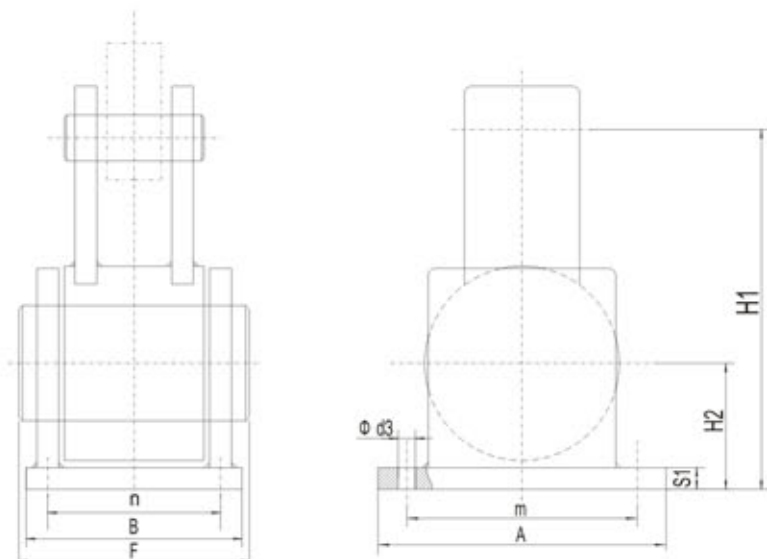
类型 TH2, TH3, TH4, TB2, TB3, TB4 扭力臂

Gear Units

Vibration reducing

Torque Supports for Gear Housing Torque arm75

Types H2,H3,H4,B2,B3,B4 Torque arm



- 在工作机侧的扭力臂支撑。
(布置形式C, D, G, H, I的平行轴齿轮箱请务必垂询)
- 与风扇组合的扭力臂支撑请务必垂询。

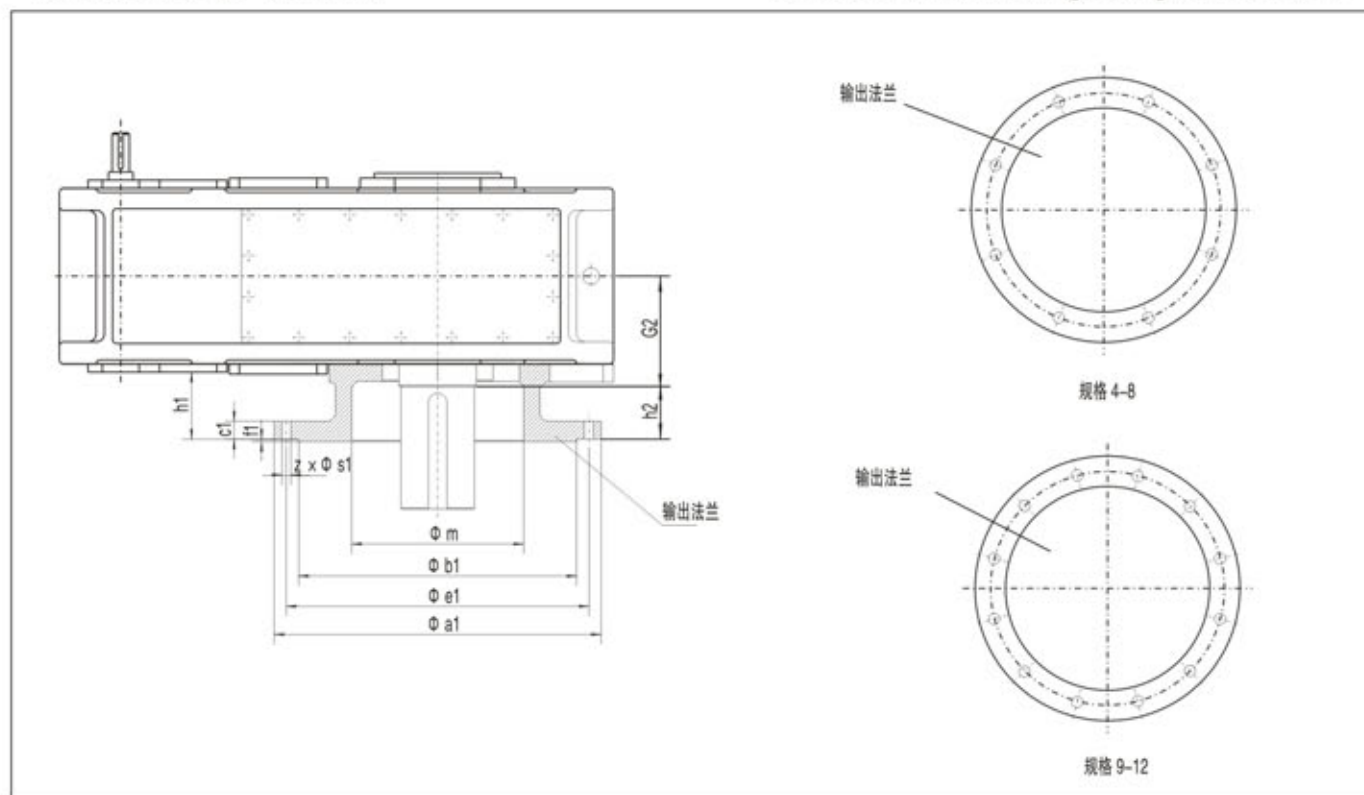
表2/Table 2

齿轮箱规格 Gear unit size	A	B	ϕd_3	F	H ₁ (mm)	H ₂	m	n	S ₁	重量 Weight (Kg)
4	160	110	19	116	200	65	120	70	15	6.8
5+6	200	160	19	170	250	90	160	120	20	16
7+8	320	200	19	195	400	140	260	130	25	37
9+10										42
11+12	400	300	24	320	500	175	320	240	30	155
13+14										159
15+16										163
17+18										167
19-26	敬请垂询/on request									



齿轮箱安装法兰. 附件74

Gear Units mounting flange. Annex 74



规格 Size	a1	b1	c1	e1	f1	h1	h2	mmax	ZXS1	附加重量 Add. weight kg	G2	
											H2, H3, H4, B3, B4	B2
4	450	350f7	24.5	400	5	82.5	50	153	8*17.5	40	140	170
5	550	450f7	25	500	5	90	52.5	190	8*17.5	60	165	200
6	550	450f7	25	500	5	90	52.5	245	8*17.5	65	165	200
7	660	550f7	25	600	5	135	90	250	8*22	90	195	235
8	660	550f7	30	600	5	135	90	255	8*22	100	195	235
9	660	550f7	29	600	6	134	84	290	12*22	150	235	270
10	660	550f7	34	600	6	134	89	320	12*26	160	235	270
11	800	680f7	44	740	6	184	129	340	12*26	210	270	320
12	800	680f7	44	740	6	184	129	360	12*26	220	270	320

竖直安装底座. 附件96

Vertical mounting attachment96.

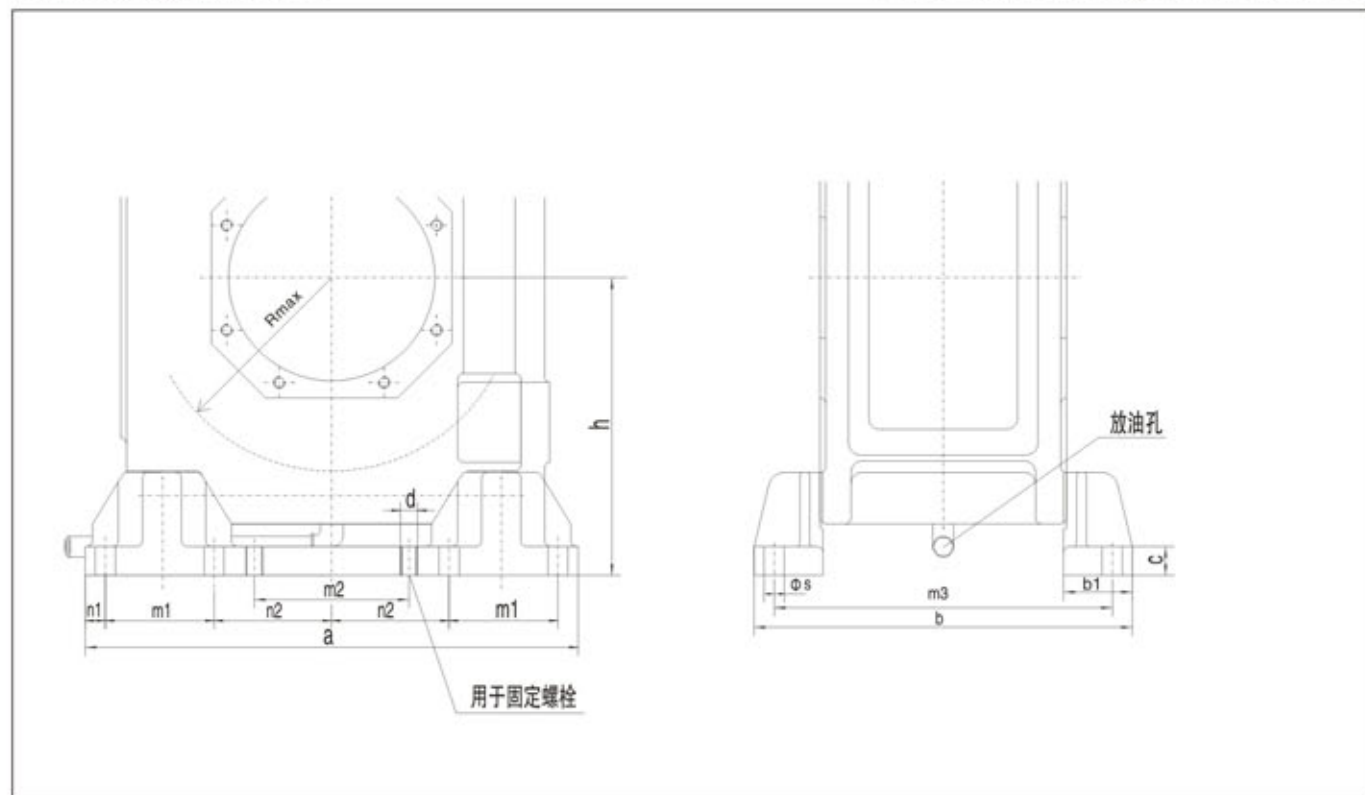


表1/Table 1

规格 Size	H2, H3, H4, B2, B3, B4											H2,H3, H4 B3, B4		B2	
	a	b ₁	c	4•d	h	m ₁	m ₂	n ₁	n ₂	8•φ s	R _{max}	b	m ₃	b	m ₃
4	450	70	28	M16	255	110	130	20	95	19	160	355	315	410	370
5	510	70	28	M16	270	110	170	20	125	19	190	395	355	460	420
6					315						220				
7	610	85	35	M20	325	130	200	25	150	24	230	470	420	550	500
8					385						270				
9	710	105	40	M24	380	160	230	30	165	28	260	580	520	650	590
10					430						300	590	530		
11	860	115	50	M30	435	190	270	35	205	35	340	660	590	760	690
12					520						380				
13	965	97.5	60	M30	430	260	230	37.5	185	35	300	745	665	850	770
14					500						360				
15	1060	107.5	70	M36	505	300	190	45	185	42	350	840	750	980	890
16					550						400				
17	1210	120	80	M42	550	340	250	55	210	48	390	930	820	1125	1015
18					610						440				
19-26	敬请垂询/on request														

1)表中给出的数值为最小值，
旋转方向和电机类型确定后有可能允许更大的峰值扭矩。
请垂询！

1)the values in the table are minimum values. Dependent on
direction of rotation and motortype, higher peak torques may
possibly be allowed.
Please consult us!



齿轮箱特殊安装位置

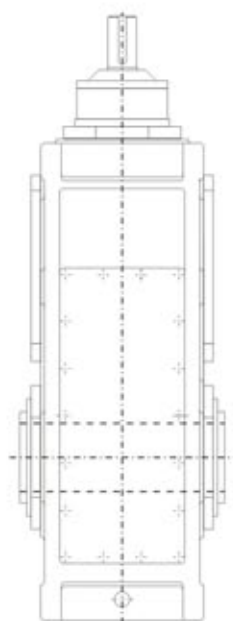
Gear units special mounting postions

规格 4-18

Sizes 4-18

安装位置: 输入轴d, 在上部

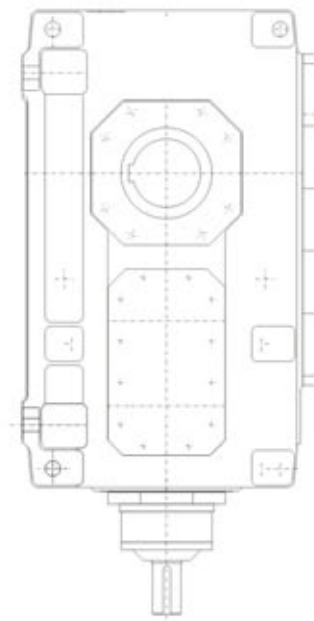
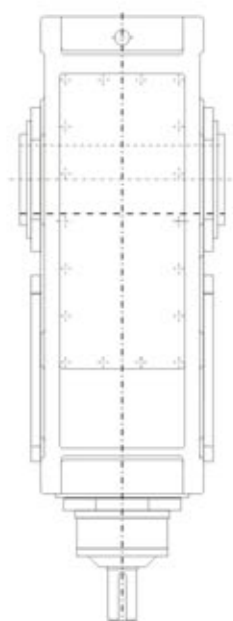
Mounting position: shaft d, upward



E

安装位置: 输入轴d, 在下部

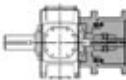
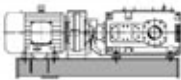
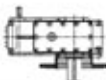
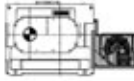
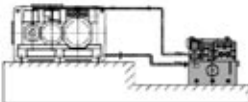
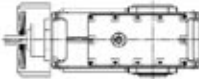
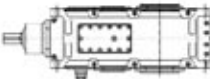
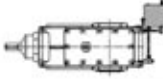
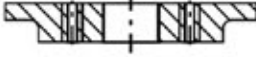
Mounting position: shaft d, downward



F

附件代号一览表:

Accessories:

代号 Code	附件 Accessories	示例 Illustrations	页码 Page
70	输入连接法兰		402-403
71	齿轮箱浮动底座		—
72	电机安装架		—
74	安装法兰		409
75	扭力臂		407
76	浮动底座扭力臂		408
78	逆止器		—
79	内置冷却盘管		404
80	外置水冷式油冷却器		—
81	外置风冷式油冷却器		—
82	配管路 (客户带稀油站)		—
83	配稀油站		—
84	冷却风扇 fan		332-387
85	轴端油泵润滑		—
86	电机油泵强制润滑		—
87	补偿油箱浸油润滑		368-389
88	输出端板		392-399
89	电加热器		敬请垂询 on request
90	输出防护罩		392-399
96	竖直安装底座		410