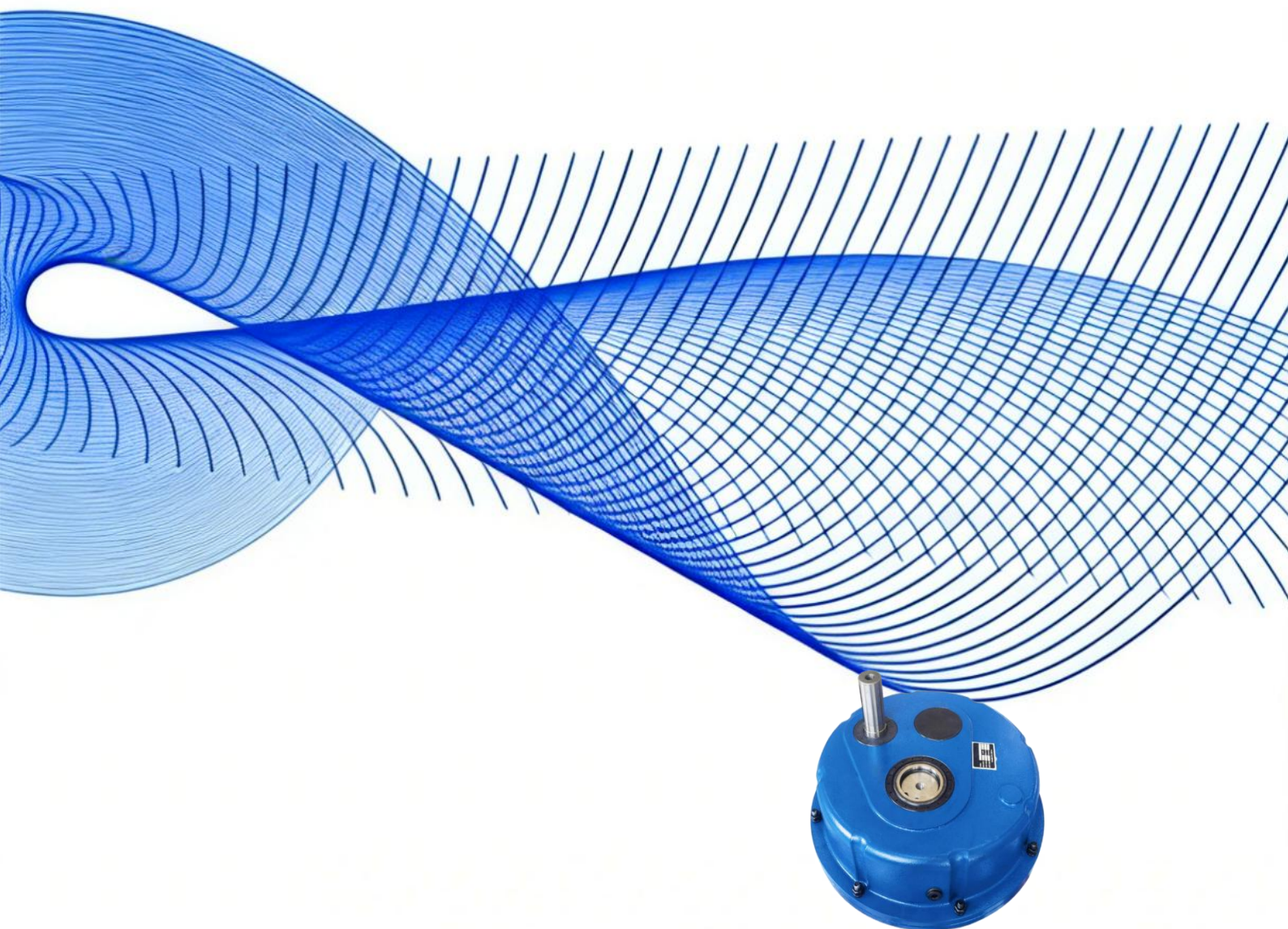


Hangzhou GT Rail Traffic Equipment Co., Ltd

IVH Drive: Global Power Transmission Solutions



XG Series Hanging Reducer Catalogue

About Us

IVH DRIVE was founded in 2011 and headquartered in Hangzhou, is a National High-Tech Enterprise integrating R&D, manufacturing, and sales. With over 150 employees (15% in R&D) and a 32,000 m² smart production base, the company achieves an annual turnover of 150 million RMB (with 30% from exports), maintaining steady growth. Holding prestigious international certifications such as CE, UL, and CSA, IVH DRIVE is committed to providing domestic alternatives for high-end transmission equipment, delivering high-efficiency and high-stability power solutions for the global rail traffic and industrial sectors. Our products are widely utilized in diverse industries, including smart logistics, food packaging, energy & mining, and construction machinery. To date, we have exported to 25 countries, with a business footprint spanning Europe, North America, Southeast Asia, and the Middle East, making us your trusted partner for industrial power.

2011

SINCE

25+

EXPORT COUNTRIES

40+

PRODUCT COVERAGE

8

FACTORIES DISTRIBUTION



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XG系列/ XG SERIES

1、设计特点 DESIGN CHARACTERISTICS

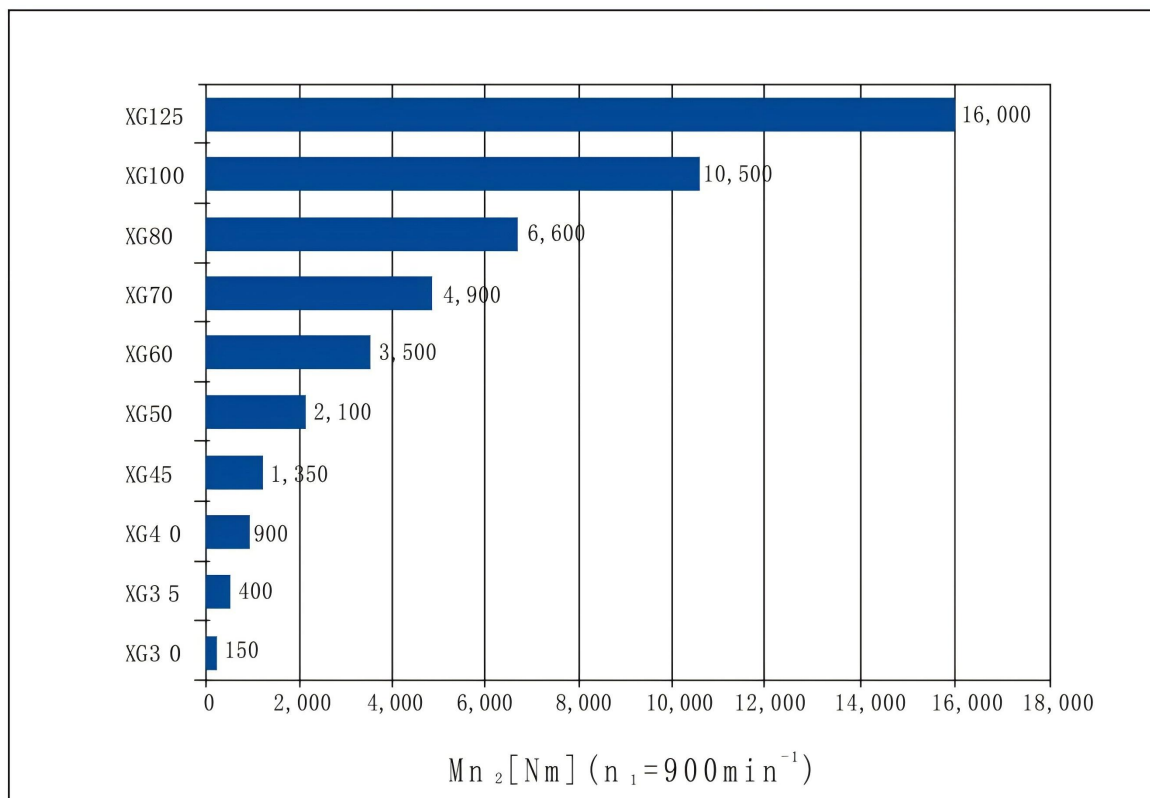
主要的设计特点如下：

- 1) 全部采用低碳合金钢渗碳处理
- 2) 齿轮及齿轮轴精度高
- 3) 体积小、扭矩大

The characteristics are as follows:

- 1) Uses low-carbon alloyed steel cementation processing completely
- 2) The gear and the gear shaft precision is high
- 3) The volume small, the torque is big

(A1)



2、功 率 POWER

额定功率

P_{n1} [kW]

在 齿 轮 箱 选 择 图 表 中 ， 功 率 是 指 在 使 用 系 数 $f_s=1$ 的 情 况 下 ， 作 用 于 输 入 轴 上 的 ， 与 输 入 转 速 有 关。

Rated power

P_{n1} [kW]

The power is the one based on input shaft, it also relate to the speed under the situation of service factor $f_s=1$.

3、使用系数 f_s SERVICE FACTOR f_s

该要素表示齿轮箱的使用系数，考虑到不可避免的误差及正常操作条件中的负荷不同，不论使用系数是怎样的值，我们都希望提醒您：在一些应用中，如零部件的装配，齿轮箱的故障，都有可能导致齿轮箱的损坏。假如你有疑问，请与我们技术中心联系。

Service factor is the one describing reducer service duty, considering unavoidable approximation and the difference of daily operating condition, involve fitting of parts, failure of the reducer all lead to the injure of the gearbox. If you have any question, please contact our technical service.

(A2)

每小时启动次数 Starts per hour	负荷 Duty	每天操作小时数 Daily operating hours			
		$h \leq 0.5$	$0.5 < h \leq 2$	$2 < h \leq 10$	$10 < h \leq 14$
$Z < 10$	均布荷载 Uniform loading	0.8	0.9	1.0	1.25
	中度瞬间荷载 moderate shock loading	0.9	1.0	1.25	1.5
	重度瞬间荷载 heavy shock loading	1.0	1.25	1.5	1.75
$Z \geq 10$	均布荷载 Uniform loading	0.9	1.0	1.25	1.5
	中度瞬间荷载 moderate shock loading	1.0	1.25	1.5	1.75
	重度瞬间荷载 heavy shock loading	1.25	1.5	1.75	2.0

上面列出的值在下列情况下必须乘以1.2

- 换向操作
- 瞬时冲击负荷

Values listed above must be multiplied by 1.2 in case of:

- Reversing operation
- Shock loading applying instantaneously

4、扭 矩 TORQUE

许用扭矩

$M_{n2} [Nm]$

齿轮箱在使用系数 $f_s=1$ 的情况下，通过输出轴所传递的扭矩，许用扭矩与转速有关。

工作扭矩

$M_{r2} [Nm]$

扭矩要求是基于应用要求的。

它必须是相同于或小于研究的齿轮箱的许用扭矩 M_{n2} 。

输出扭矩

$M_{c2} [Nm]$

输出扭矩值在选择齿轮箱时将使用到。

在考虑工作扭矩 M_{r2} 和使用系数 f_s 后可按照下列公式计算出来：

Rated torque

$M_{n2} [Nm]$

Rated torque is the one through the output shaft, and also relate to the speed. It is used under the situation of service factor $f_s=1$

Required torque

$M_{r2} [Nm]$

Required torque is the one through the actual application requirement. It must be equal to or less than the rated torque M_{n2}

Calculated torque

$M_{r2} [Nm]$

Calculated torque is the one used in selecting the gearbox. We can have the value as per the equation after considering both required torque M_{r2} and service factor f_s

$$M_{c2} = M_{r2} \cdot f_s < M_{n2} \quad (1)$$

5、转 速 SPEED

输入转速

$n_1 [min^{-1}]$

该速度是和选择的电机有关，按照目录上的值是指工业中常见的单速或双速马达的速度。

假如齿轮箱是通过外部电机驱动的，我们建议在1400rpm或以下的速度下操作齿轮箱，这样可以优化操作条件和使用寿命。更高的输入转速是允许的，但是这样的话，许用扭矩 M_{n2} 将受到影响。

详情请咨询温州三联代表。

输出转速

$n_2 [min^{-1}]$

输出转速值 n_2 是通过输入转速 n_1 和齿轮速比 i 之间的关系，按照下列公式计算的：

Input speed

$n_1 [min^{-1}]$

The speed is the one used in industry driven by either single or double speed motor. It is based on the selected motor.

If the gearbox is driven by outer motor, we suggest the speed under 1400rpm or even lower which will optimize operating conditions and lifetime. Though the higher input shaft is permitted the rated torque M_{n2} will be affected.

Please contact wenzhousanlian representative for more information.

Output speed

$n_2 [min^{-1}]$

Output speed n_2 is the one calculated by the following equation through the input speed n_1 and the gear ratio i .

$$n_2 = \frac{n_1}{i} \quad (2)$$

6、选 型 **SELECTION**

A. 决定使用系数 f_s

A) Determine the service factor f_s

B. 根据已知的 M_{r2} 算出 输出扭矩, 扭距计算公式如下:

B) Calculate the output torque M_{r2} according to the rated torque, the equation as:

$$M_{c2} = M_{r2} \cdot f_s \quad (3)$$

C. 齿轮速比 i 是按照客户要求输出转速 n_2 和输入转速 n_1 计算出来的:

C) Calculate ratio according to the output speed n_2 and input speed n_1 :

$$i = \frac{n_1}{n_2} \quad (4)$$

如果 M_{c2} 和 i 是已知的话, 在选型表中根据合适的输入转速, 找出与减速比 i 最接近的减速机型号, 并同时满足许用扭矩值 M_{n2} 如下:

If you have known the M_{c2} and i , select the suitable input speed in the chart, and find out which is the closest reducer model with ratio i , at same time satisfy the rated torque M_{n2} as following:

$$M_{n2} \geq M_{c2} \quad (5)$$

7、安 装 **INSTALLATION**

以下安装指示必须遵守

A. 确保齿轮箱正确的安装, 以防止松动。假如必须在超负荷或有震动的场合使用, 请安装液压耦合器, 扭距限制器等。

A Make sure the correct installation of gear boxes to avoid vibrations. Install hydraulic coupling, clutched torque limiters, etc if used in shocked or over-loaded situation.

B. 在上漆之前, 零件加工面和油封外表面必须有保护措施, 以防止油漆干在橡胶上面破坏密封功能。

B Before the operation of gearbox, please make sure the connected equipments accord with the technical specification.

C. 齿轮箱在投入使用之前, 应确保和齿轮箱连接的设备应符合相关的技术规定。

C The machine surface and the outer face of the oil seals must be protected before painting in order to keep the sealing function.

D. 在启动机器之前, 应确保油面符合齿轮箱的规定的装配位置, 油的黏度应适合齿轮箱的使用的。详见图表A4.

D Before the starting of machine makes sure the oil level conforms to the machine level, the viscosity of oil is suitable for gearbox. Detail in chart A4.

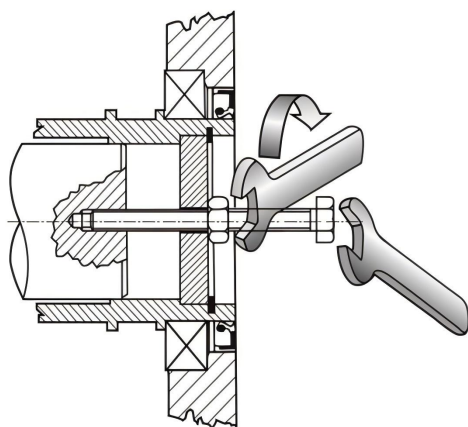
E. 对于室外安装, 必须采用适当的措施来保护电机不受下雨和阳光暴晒的影响。

E For outdoor in stallation, we should take proper way to protect motors from rainfalls as well as sunshine.

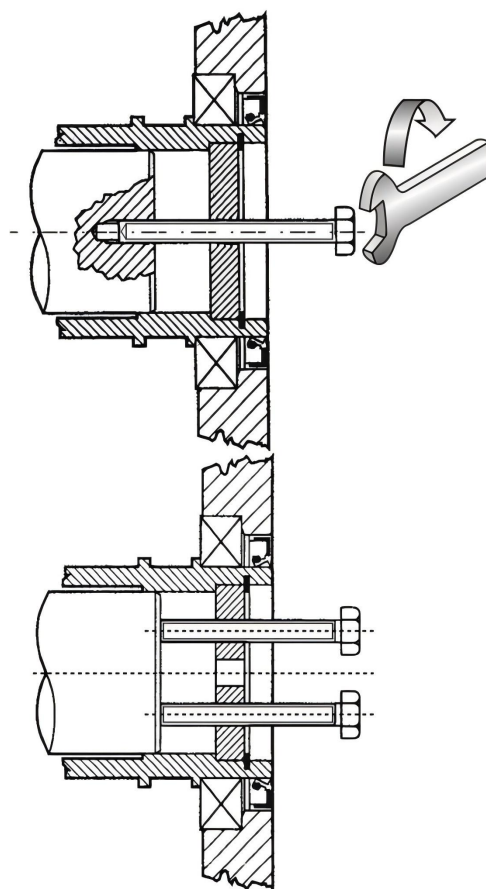
在装配之前, 各安装面必须保持干净, 并进行适当的处理以防止生锈。

All surfaces should keep clean before installation, and take proper method to prevent rusting.

安装齿轮箱 MOUNTING OF GEAR UNIT



拆卸齿轮箱 REMOVAL OF GEAR UNIT



8、核 查 VERIFICATION

径向负载

确保应用于输入和输出轴的径向负载是在许用范围内的。

假如它们超出许用范围，在选用更大型号的减速机之前可先考虑设计特殊轴承结构。

如径向负载不在轴伸的中间，应对其进行必要的修正，具体修正方法与我们技术中心联系。

轴向负载

轴向负载必须在许用径向负载的20%以内。

假如特别的高出，或者是轴向和径向负载的综合作用，请与我们技术中心联系。

Radial loads

Make sure the radial loads both in input shaft and output shaft is within the permitted range.

If it surpasses the permitted range, we can choose to select special designed bearing structure before switching to a larger gear unit.

It must be adjusted if the radial loads are not in the middle of the shaft please contact our technical service to gain more information.

Thrust loads

Thrust loads must be found within 20% of the radial loads. If extremely high, or a combination of radial and thrust loads, contact our technical service.

9、维 护 MAIN TENANCE

在操作满300小时后，应该进行第一次换油，用合适的清洁剂冲洗齿轮机构。

不要把矿物油和合成油混合使用。

定期检查油的水平面，并且按照下列表格中的时间间隔换油。

After the 300 hour of operation, please change the oil, and flush the gear unit with suitable detergents.

Don't mix the mineral oil and synthetic oil.

Please check the oil level in regular time, and change the oil according the following table.

(A3)

油温 Oil temperature [°C]	换油间隔 (小时) Oil change interval [h]	
	矿物油 Mineral oil	合成油 Synthetic oil
< 65	8000	25000
65-80	4000	15000
80-95	2000	12500

10、油漆规格 PAINT SPECIFICATIONS

在齿轮箱上使用的油漆的规格必须从提供本机器的经销商或代理商处获得。

The paint specifications on gearbox must be obtained from the suppliers.

11、供货条件 CONDITIONS OF SUPPLY

齿轮机构是按照以下供应的

- A. 按照订购时说明的安装和装配位置进行配置；
- B. 按照制造商的说明进行了测试；
- C. 在运输过程中，轴是用塑料封壳保护起来的；
- D. 提供了吊耳（当适用的时候）。

Gearboxes are supplied as follows:

- A) Assembled the gearbox according to the installing and mounting position specified when ordering
- B) Tested following the manufacturer specifications.
- C) During the transportation, shaft is protected with plastic seals.
- D) lifting lugs were supplied.

12、储 存 STORAGE

按照下列指示来确保产品的正确的储存。

- A. 不要在室外储存，不要在曝露在外受到天气影响和温度很高的地方储存。
- B. 请在产品和地面之间放置纸板，木头或其它材料。齿轮箱不能直接和地面接触。

According to the following indications to make sure correct storage of products.

- A) Don't store in somewhere exposed to be affected with weather and humidity.
- B) please put cardboard, wood or other material between the products and floor. The gearboxes aren't permitted to direct contact with floor.

C. 假如需要储存很长时间，一些机器加工面例如法兰，轴和联轴器必须涂上适合的防锈的油（MOBILARMA248或等同的产品）。

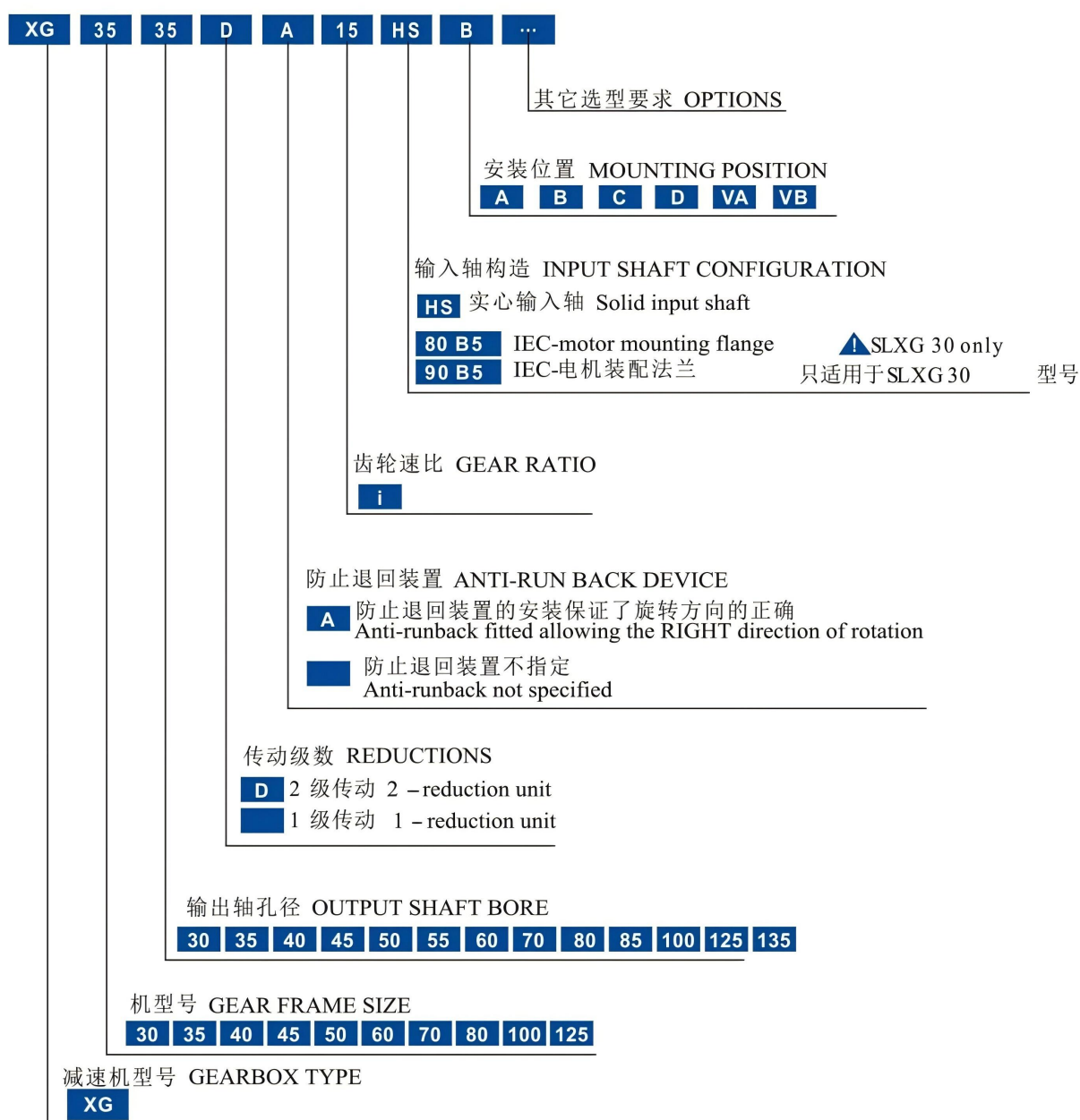
此外，齿轮箱的油位必须处于最高位并加满油。设备在重新投入使用之前，油量和类型都必须重新恢复。

C) For long-term storage, the surfaces of parts such as shafts, couplings and flanges must be coated with suitable oil to avoid rusting.

Another point is that gearbox must be placed the fill plug in the highest position and filled up with oil. (MOBILARMA 248 or Equivalent).

Before reusing the equipments, the oil quantity and type must be restored.

13、型号标识说明 DESIGNATION



齿轮箱其它选型要求 GEARBOX OPTIONS

L0

齿轮箱，除非客户有特殊的要求，否则出厂时都不加油。

油量根据订货时指定的安装方式来订。

PV

VITON 橡胶油封。

AL

规定输出轴逆时针方向旋转。

L0

Gearboxes are not filled up with oil unless customers have special requirements.

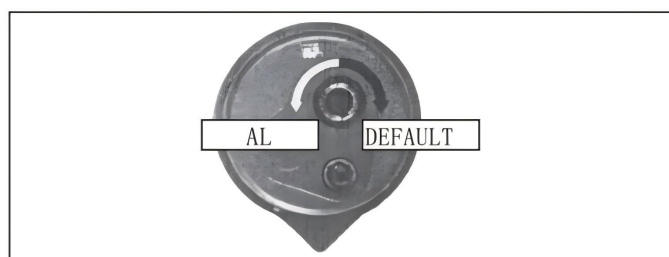
Oil quantity is based on the mounting position specified when ordering.

PV

Oil seal in viton.

AL

Specified opposite direction of rotation.



14、润滑 LUBRICATION

齿轮箱的内部件是浸油的和飞溅润滑的。

A5的图表可以参考安装位置和相应的油塞、油镜、透气塞位置，和对应的油量。

油量的值是否已经正确，可通过油镜的中心或提供的量油计来衡量。

在某些安装情况下有差异，在A5图表中列出的油量不一样的则需要注意。

Gearboxes are oil-soak and splash lubricated.

The following charts indicate the mounting position model and relevant oil plug. If applicable.

Here is the corresponding lubricant quantity.

If the oil quantity is correct filling: it can be measured by the center of sight glass of supplied dipstick.

May be there are some misnomers and falling short of specification. Which are different from listed oil quantity must be noticed.

(A4)

负载类型 Type of duty	SLXG 0℃-20℃		SLXG 20℃-40℃	
	矿物油 Mineral oil ISO VG	合成油 Synthetic oil ISO VG	矿物油 Mineral oil ISO VG	合成油 Synthetic oil ISO VG
轻型 Light duty	150	150	220	220
中型 Medium duty	150	150	320	220
重型 Heavy duty	200	200	460	320

油量 (I) Oil quantity [I]

(A5)

XG30	XG35	XG40	XG45	XG50	XG60	XG70	XG80	XG100	XG125
0.50	1.2	2.1	3.1	8.0	7.5	11	17	20	27
	XG35 D	XG40 D	XG45 D	XG50 D	XG60 D	XG70 D	XG80 D	XG100 D	XG125 D
	1.1	1.8	3.6	7.3	10	14	11	18	27

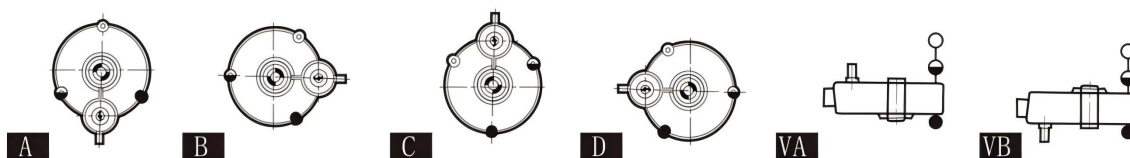
油量只和装配位置A相对应

Quantities are only relevant to mounting position A.

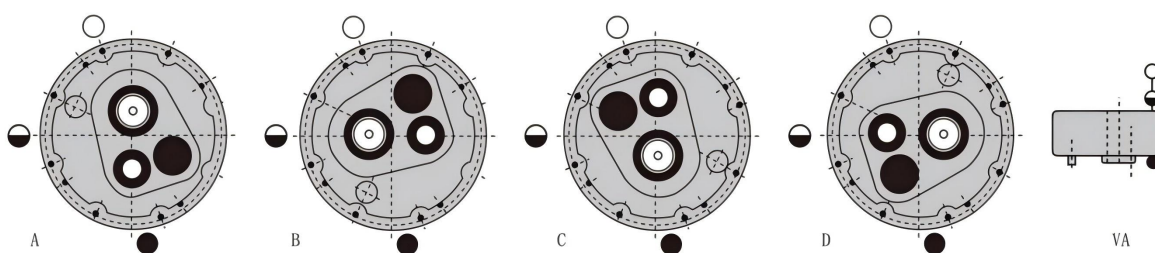
15、安装方位 MOUNTING POSITIONS

	关键:	Key:
	透气塞	Filling/breat her plug
	油镜/油标	Level plug
	油塞	Drain plug

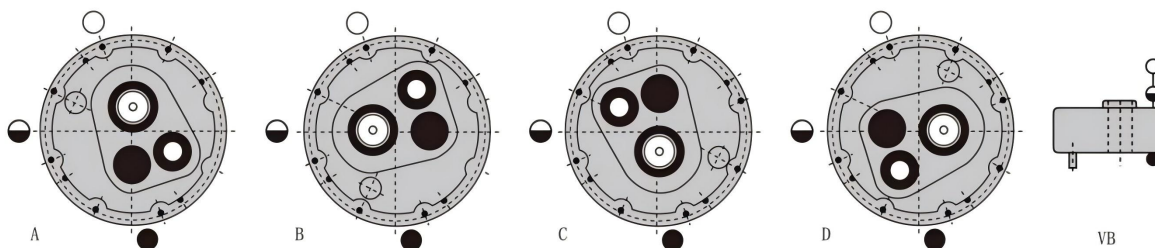
XG30



XG35-125



XG35D-125D



16、悬挂负载 OVERHUNG LOADS

通过键把外部扭矩传递到输入轴和输出轴， 在同一根轴上的垂直方向产生负载。

Pass the external transmissions to input & output shafts by the key, loads act apeak on the same shaft.

由此产生的负载须与轴承和轴的性能相匹配。理论上，轴负载（ R_{c1} ）必须等于或低于轴的许用悬挂负载的计算值（ R_{n1} ）悬挂负载能力可在选型表中查出。

Loading must be suitable with both the shaft and bearing capacity. Ideally, shaft loading(R_{c1}) must be equal or lower than overhung load(R_{n1}) for calculating. Overhung loads capacity can locate in the option chart, The loads generated from external transmission can be approximate calculated by the following equation.

外部传动所产生的负载可近似地用以下公式算出。

The actual shaft loading and overhung loads should be satisfied the following equation.

$$R_{c1}[N] = \frac{2000 \cdot M_1 [Nm] \cdot K_r}{d [mm]} \quad (6)$$

在公式中 Where:

$M_1 [Nm]$ = 输出扭矩
 $d [mm]$ = 键槽轴直径

 $K_r=1$ 链传动
 $K_r=1.25$ 齿轮传动
 $K_r=1.5$ V型带传动
 $K_r=2.0$ 平胶带传动

$M_1 [Nm]$ =torque applied to input shaft
 $d [mm]$ =pitch diameter of element keyed on to shaft
 $K_r=1$ chain transmission
 $K_r=1.25$ gear transmission
 $K_r=1.5$ belt transmission
 $K_r=2.0$ Flat belt transmission

实际轴负载和悬挂负载应满足以下公式

Acomparison of shaft toading with catalogue OHL ratings should verify the following condition.

$$R_{c1} \leq R_{n1} \quad (7)$$

XG30

180 Nm

			i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
				n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG30	30		7.0	200	137	2.9	350	128	150	2.0	400	71	180	1.3	500
			10	140	137	2.1	350	90	150	1.4	400	50	180	1.0	500
			12.5	112	137	1.6	350	72	150	1.1	400	40	180	0.8	500

XG35

420 Nm

			i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
				n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG35	35		5	280	200	6.0	700	180	250	4.8	800	100	350	3.8	1000
XG35	35 D		10	140	300	4.6	500	90	350	3.5	600	50	400	2.2	750
			15	93	350	3.6	500	60	400	2.6	600	33	400	1.5	750
			20	70	380	3.0	500	45	400	2.0	600	25	400	1.1	750
			25	56	400	2.5	500	36	400	1.6	600	20.0	420	0.9	750

XG40

950 Nm

			i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
				n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG40	40		5	280	480	14.4	1000	180	550	10.6	1200	100	700	7.5	1500
XG40	40 D		10	140	600	9.2	850	90	750	7.4	950	50	800	4.4	1200
			12.5	112	700	8.1	850	72	780	5.8	950	40	820	3.4	1200
			15	93	750	7.7	850	60	800	5.3	950	33	850	3.1	1200
			20	70	780	6.1	850	45	800	4.0	950	25	850	2.4	1200
			25	56	800	4.9	850	36	850	3.4	950	20.0	900	2.0	1200
			30.5	46	800	3.9	850	29.5	900	2.8	950	16.4	950	1.7	1200

XG45

1400 Nm

			i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
				n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG45	45		5	280	850	26	1500	180	950	18.4	1700	100	1100	11.8	2150
XG45	45 D		10	140	1000	15.4	1150	90	1200	11.9	1300	50	1300	7.2	1650
			12.5	112	1100	13.9	1150	72	1200	9.7	1300	40	1300	5.9	1650
			15	93	1200	12.3	1150	60	1250	8.3	1300	33	1300	4.8	1650
			20	70	1250	9.8	1150	45	1300	6.5	1300	25	1350	3.8	1650
			25	56	1300	8.0	1150	36	1350	5.4	1300	20.0	1400	3.1	1650
			30.5	46	1300	6.6	1150	29.5	1350	4.4	1300	16.4	1400	2.5	1650

2300 Nm
XG 50

 	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG50 50 55 60	5	280	1400	42	2250	180	1700	33	2500	100	1900	20	3100
XG50 50 55 60 D	10	140	1750	27	1700	90	1900	18.8	1900	50	2000	11.0	2400
	12.5	112	1800	21	1700	72	1900	14.5	1900	40	2000	8.4	2400
	15	93	1900	19.5	1700	60	1950	12.9	1900	33	2100	7.7	2400
	20	70	1950	14.8	1700	45	2000	9.8	1900	25	2100	5.7	2400
	25	56	2000	12.3	1700	36	2100	8.3	1900	20	2300	5.1	2400
	30	47	2000	10.3	1700	30	2100	6.9	1900	16.7	2300	4.2	2400

3600 Nm
XG 60

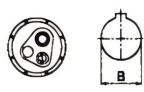
 	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG60 60 70	5	280	1900	57	3200	180	2100	41	3600	100	2900	32	4500
XG60 60 70 D	10	140	3100	48	2600	90	3200	32	2900	50	3300	18.2	3600
	12.5	112	3100	37	2600	72	3200	24	2900	40	3300	14.0	3600
	15	93	3200	33	2600	60	3300	22	2900	33	3550	13.0	3600
	20	70	3250	25	2600	45	3400	16.6	2900	25	3550	9.6	3600
	25	56	3300	20	2600	36	3500	13.9	2900	20.0	3600	7.9	3600
	30.5	46	3300	16.7	2600	29.5	3500	11.4	2900	16.4	3600	6.5	3600

5100 Nm
XG 70

 	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N	n_2 min^{-1}	M_{n2} Nm	P_{n1} kW	R_{n1} N
XG70 70 85	5	280	2600	78	3700	180	3000	58	4200	100	4000	43	5200
XG70 70 85 D	10	140	3800	59	3400	90	4400	44	3800	50	4500	25	4750
	12.5	112	4000	51	3400	72	4400	36	3800	40	4500	20	4750
	15	93	4400	45	3400	60	4500	30	3800	33	4900	18.0	4750
	20.0	70	4500	34	3400	45	4600	22	3800	25	5000	13.6	4750
	25	56	4600	28	3400	36	4900	19.4	3800	20.0	5100	11.2	4750
	30.5	46	4600	23	3400	29.5	4900	16.0	3800	16.4	5100	9.2	4750

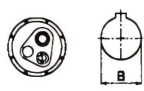
XG80

7000 Nm

	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N
XG80 80 100	5	280	3700	111	4550	180	4200	81	5100	100	5000	54	6400
XG80 80 100 D	10	140	5500	85	4200	90	6100	60	4700	50	6300	35	5900
	12.5	112	5500	68	4200	72	6100	48	4700	40	6300	28	5900
	15	93	6100	63	4200	60	6300	42	4700	33	6600	24	5900
	20	70	6100	45	4200	45	6300	31	4700	25	6600	17.9	5900
	25	56	6300	39	4200	36	6600	26	4700	20.0	7000	15.4	5900
	30.5	46	6300	31	4200	29.5	6600	21	4700	16.4	7000	12.3	5900

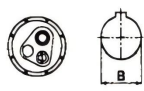
XG100

11000 Nm

	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N
XG100 100 125	5	280	5500	165	5500	180	6200	120	6200	100	7000	75	7900
XG100 100 125 D	10	140	9000	139	5000	90	9500	94	5600	50	10000	55	6800
	12.5	112	9000	107	5000	72	9500	73	5600	40	10000	43	6800
	15	93	9500	98	5000	60	10000	66	5600	33	10500	39	6800
	20	70	9500	72	5000	45	10000	49	5600	25	10500	28	6800
	25	56	9800	60	5000	36	10500	42	5600	20.0	11000	24	6800
	30.5	46	9800	48	5000	29.5	10500	33	5600	16.4	11000	19.7	6800

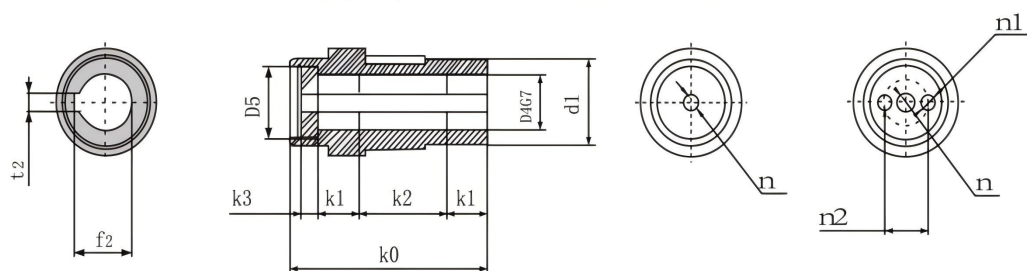
XG125

17000 Nm

	i	$n_1 = 1400 \text{ min}^{-1}$				$n_1 = 900 \text{ min}^{-1}$				$n_1 = 500 \text{ min}^{-1}$			
		n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N	n_2 min^{-1}	Mn_2 Nm	P_{n1} kW	Rn_1 N
XG125 125 135	5	280	7500	226	6500	180	8000	155	7300	100	10000	107	9200
XG125 125 135 D	10	140	12500	193	5500	90	14000	139	6200	50	15000	83	7700
	12.5	112	12500	150	5500	72	14000	108	6200	40	15000	64	7700
	15	93	12500	128	5500	60	15000	99	6200	33	16000	59	7700
	20	70	14000	106	5500	45	15000	73	6200	25	16000	43	7700
	25	56	15000	92	5500	36	16000	63	6200	20.0	17000	37	7700
	30.5	46	15000	74	5500	29.5	16000	51	6200	16.4	17000	30	7700

18、外形尺寸 DIMENSIONS

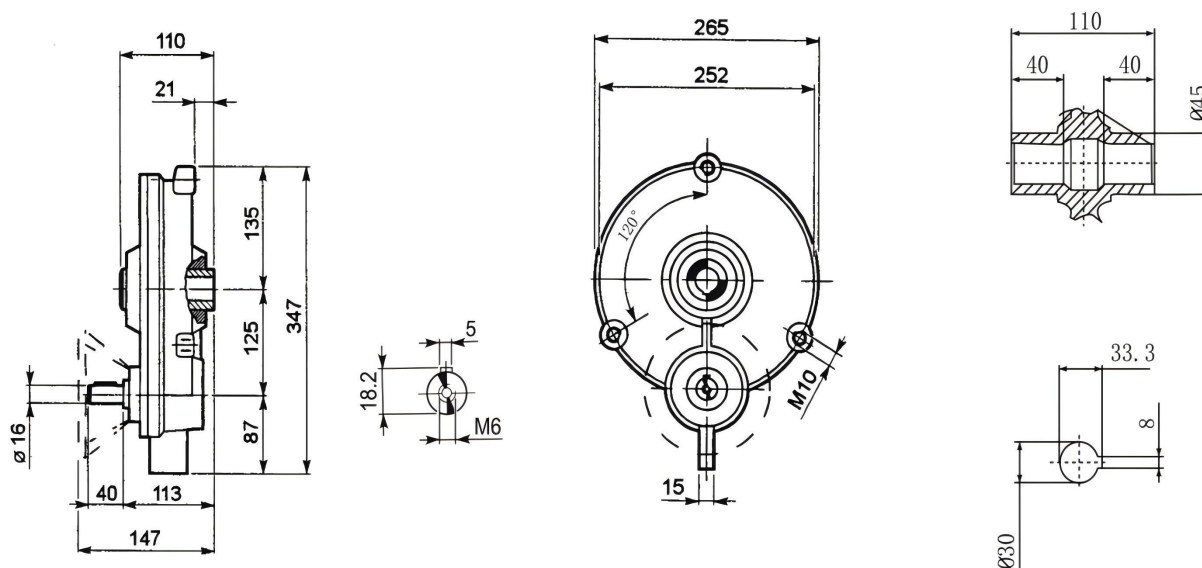
空心轴尺寸 Hollow Shaft Dimensions



型号Model		尺寸Dimenstons											
		d1	D4	D5	k0	k1	k2	k3	f ₂	t ₂	n	n1	n2
XG35		50	35	42	124	30	46	10	38.3	10	M10		
XG40	40	60	40	50	144	30	64	12	43.3	12	M12		
	45		45	50					47.3	14			
XG45	45	75	45	60	162	35	70	14	48.8	14	M16		
	50		50	60					53.8	14			
	55		55	65					59.3	16			
XG50	50	85	50	60	182	40	80	14	53.8	14	M16		
	55		55	65					59.3	16			
	60		60	70					64.4	18		17	M12
XG60	60	100	60	70	199	45	85	14	64.4	18	17	M12	42
	70		70	85				16	74.9	20	22	M16	50
XG70	70	120	70	85	223	50	93	16	74.9	20	22	M16	50
	85		85	100				18	90.4	22			65
XG80	80	140	80	95	249	55	109	18	85.4	22	22	M16	60
	100		100	120			107	20	106.4	28	26	M20	80
XG100	100	160	100	120	288.5	60	136.5	20	106.4	28	26	M20	80
	125		125	145					132.4	32			100
XG125	125	170	125	145	304	60	137	20	132.4	32	26	M20	100
	135		135	150					143.4	36	32	M24	100

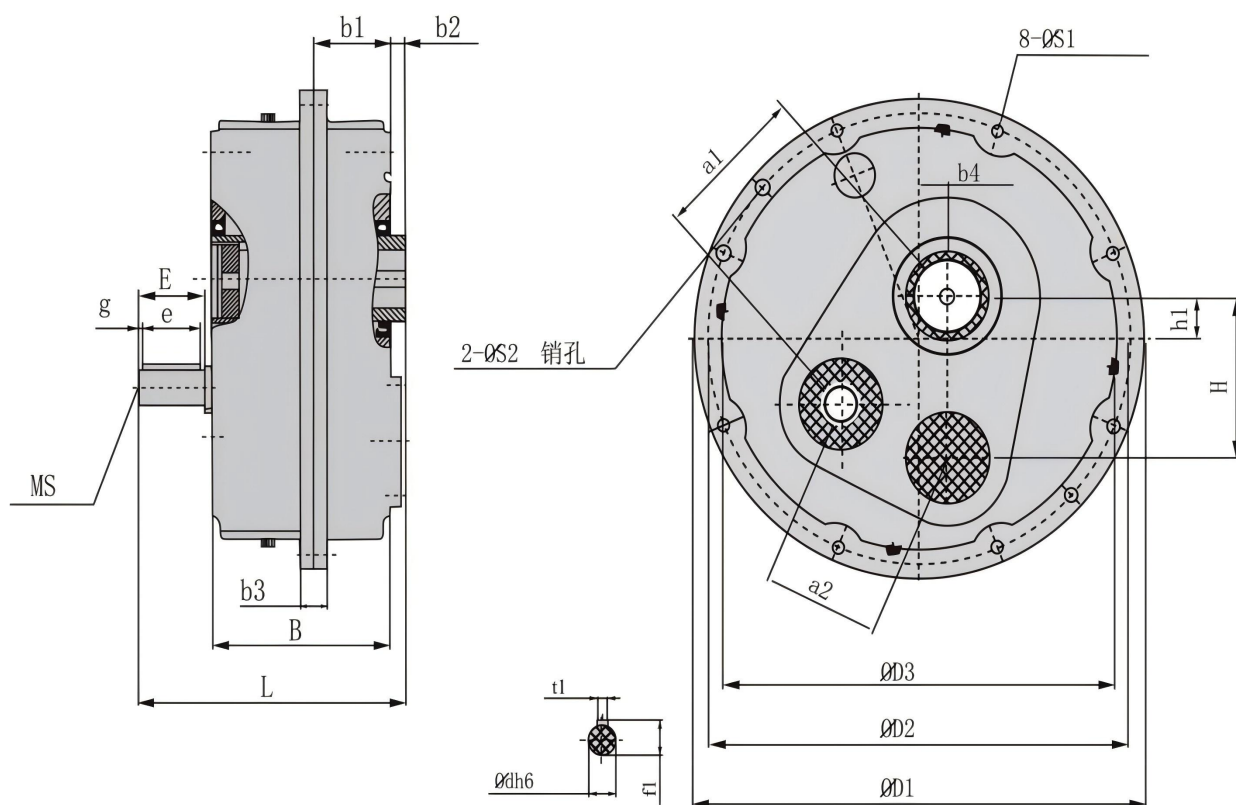
XG30的外形尺寸

XG 30 Dimensions



XG35-XG125的外形尺寸

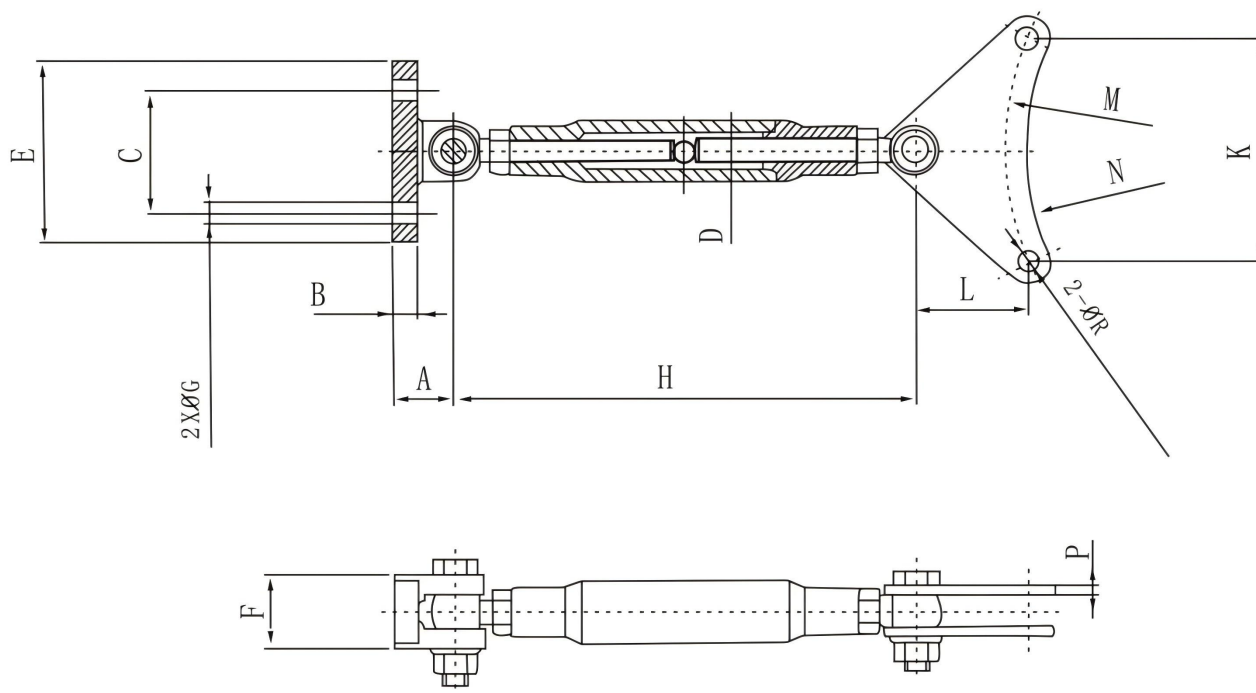
XG35-XG125 Dimensions



型号 Model	尺寸 Dimenstons																						重量 (kg)
XG 35																							18
XG 35 D	79	59	83	23	112	44	12	20	21	262	246	230	19	40	35	2.5	21.5	6	6	8.5	8	166	20
XG 40																							29
XG 40D	109	75	112	30	133	57	11	20	22	330	310	288	24	50	45	2.5	27	8	8	8.5	8	200	31
XG 45																							37
XG 45D	120	91	123	34	147	62	15	20	33	364	344	322	28	60	50	5	31	8	10	9	8	224	41
XG 50																							58
XG 50D	140	117	143	40	167	66	15	25	46	435	410	384	38	80	70	5	42	10	12	11	10	270	62
XG 60																							88
XG 60D	162	130	174	47	184	73	15	28	48	500	468	440	42	110	100	5	45	12	12	13	12	318.5	88
													38	80	70		42	10				285	102
XG 70																							115
XG 70D	182	139	188	52	205	84	18	28	53	550	520	486	48	110	100	5	51.5	14	16	13	12	338	129
													42				45	12	12				129
XG 80																							155
XG 80D	202	152	207	58	228	94	21	32	58	597	570	544	48	110	100	5	51.5	14	16	13	12	365	170
XG 100																							265
XG 100D	239	180	255	70	258.5	108	30	40	60	710	675	642	55	110	100	5	59	16	16	17	16	403.5	265
													48				51.5	14				450	285
XG 125																							350
XG 125D	290	208	294	80	270	110	34	45	70	850	805	770	60	140	130	5	64	18	16	17	16	420	350
													55	110	100		59	16				435	435

配件外形尺寸

Accessory Dimensions



型号 Model	尺寸 Dimensions														
	A	B	C	D	E	F	G	H		K	L	M	N	R	P
XG 35 35	25	10	50	M10	75	25	8.5	200	300	94.1	45	123	115	8.5	4
XG 40 40 45	35	16	70	M12	105	35	10.5	210	310	118.6	51	155	147	8.5	4
XG 45 45 50 55	35	16	70	M12	105	35	10.5	210	310	131.6	57	172	163	10.5	5
XG 50 50 55 60	40	18	75	M14	115	40	12.5	240	360	157	70	205	195	10.5	5
XG 60 60 70	40	18	75	M14	115	40	12.5	240	360	179	84	234	225	12.5	5
XG 70 70 85	45	20	85	M16	135	50	14.5	260	410	199	100	260	247	12.5	6
XG 80 80 100	45	20	85	M16	135	50	14.5	260	410	218	102	285	275	13	6
XG 100 100 125	65	30	150	M20	220	70	25	340	560	258.3	115	337.5	324	17	10
XG 125 125 135	65	30	150	M20	220	70	25	340	560	308	135	402.5	382	17	10



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