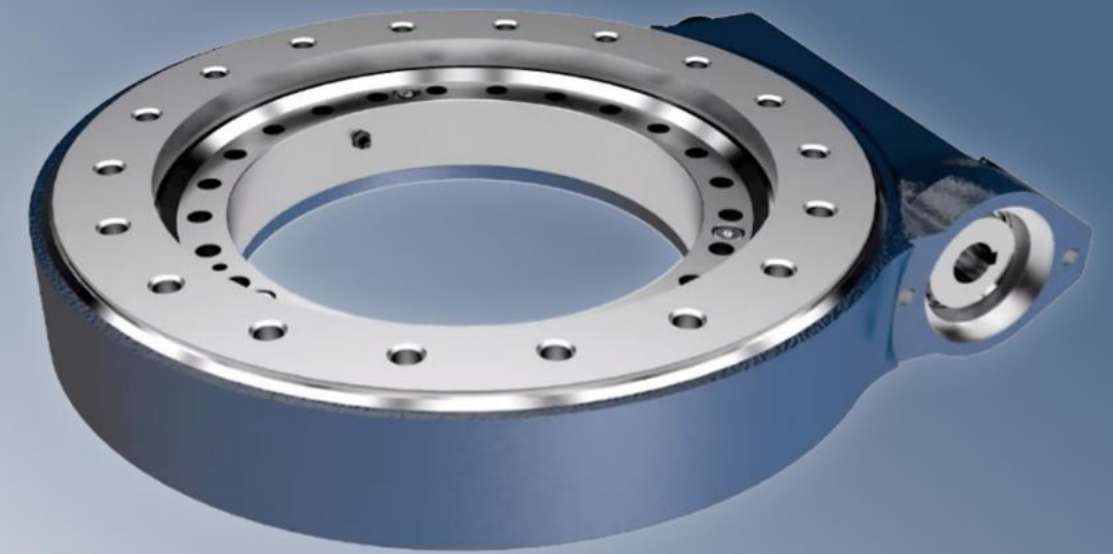


LDB[®]



SLEWING DRIVE

回转驱动

洛阳隆达轴承有限公司

LUOYANG LONGDA BEARING CO.,LTD

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Henan province, China 471003

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洛阳隆达轴承有限公司

LUOYANG LONGDA BEARING CO.,LTD



Company Profile

公司简介

LDB[®] SLEWING DRIVE



LUOYANG LONGDA BEARING CO.,LTD (LDB company), established in 1999, located in Yiyang bearing industrial park in Luoyang China, Covers area of 30 acreage, We owns more than 100 staffs and have nearly 60 all kinds of bearing manufacturing and testing facilities, LDB company specialized in designing,developing,manufacturing,selling slewing bearings and slewing drive application for engineering machinery and solar equipment.

LDB company manufactures excavator slewing bearings as per JB/T2300-2011 of Machinery Industry Standard and JB/T10839-2008 of Engineering Industry Standard and machine processing diameter range from 150 mm to 3500 mm, Covering all kind of standard and nonstandard design. LDB slewing bearing' s structures include: Four-point contact ball slewing bearing,Double-row balls slewing bearing, Cross roller slewing bearing, Three-row cylindrical roller and ball-roller combination slewing bearing can match with both domestic and oversea famous excavators.

LDB company has passed the ISO9001:2000 quality system authentication and adopt strict process control from raw material into factory finished product out of factory to ensure 100% qualified rate of outgoing product.

LDB products exported countries include: USA, Canada, Indonesia, Malaysia, Singapore, Germany, Spain, UK, Czech, Finland, Holland, Sweden, Ireland, Turkey and UAE etc.

LDB company owns strong technology,advanced processing equipments,complete testing method and perfect after-sales service,We insist on "Elaborate manufacturing,Serve the world" as our motto,supply sincerely high quality product and offer an all-round service, We are willing to cooperate with friends all over the world and build a beautiful and bright future together.

洛阳隆达轴承有限公司成立于1999年，地处中国轴承生产基地—洛阳，是一家专业从事大型、特大型轴承及非标轴承设计、开发、制造、销售、外贸为一体的综合型企业。我公司拥有一批经验丰富的轴承设计研发人员和技工队伍，轴承设计全部采用计算机软件设计，可在短时间内设计出客户所需要的图纸。

我公司主要生产内径在100mm~6000mm的转盘轴承、回转驱动及特种大型精密轴承，加工精度可达P4级。LDB 产品广泛应用于风力发电，太阳能发电，精密数控机床、医疗设备（CT机），石油机械，港口机械（门座，港口起重机），船吊（船用起重机），露天采矿设备（堆取料机）、破碎机、球磨机等大型矿山设备，钢厂轧机设备和钢包回转台，挖掘机和塔吊等工程机械以及军工领域。目前销往的国家有：捷克，英国，西班牙，意大利，挪威，法国，德国，荷兰，泰国，印度，印度尼西亚，美国，加拿大，巴西，以色列，伊朗，土耳其和香港、台湾等国家和地区。

我公司已通过了ISO9001:2000质量体系认证，并完善了产品加工流程的质量控制。从原材料入厂到成品出厂整个加工过程实施严格的过程控制、检测记录及原材料分析报告，我们所有产品的检验合格率为99%以上。

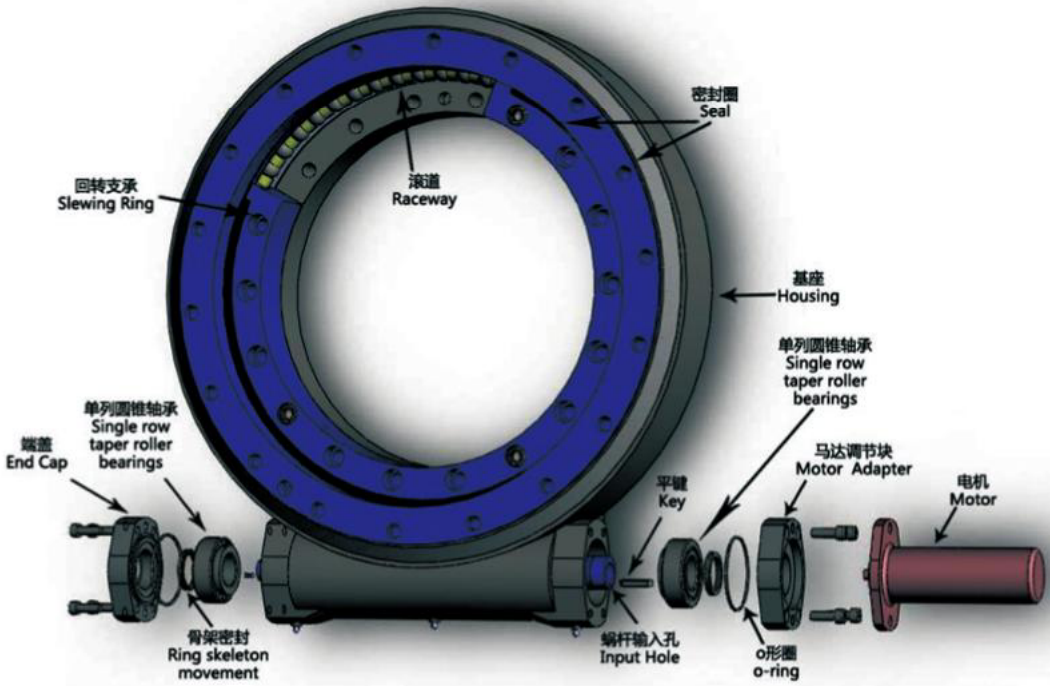
我们坚持以“精心制造、服务全球”为宗旨，竭诚为用户提供高品质的产品和全方位的服务。衷心希望与您精诚合作，携手共创美好的明天！



Code Description

编号说明

Model Code	Gear	Worm Shaft	Hydraulic Motor
型号	齿轮信息	蜗杆信息	液压马达信息
SE 14	- 85 -	12 E - R -	24(E) 001
			001 — Code of speed 转速的代号
			24 DC24V Input voltage; "E" means hall installed inside the motor 输入电压; "E" 表示电机带内置编码器
			220 AC220V Input voltage 输入电压
		R — Motor position, right side 电机位置在右侧	
		L — Motor position, left side 电机位置在左侧	
		None — Shaft opposite to motor, capped end 蜗杆非输入端为闷盖	
		E — Shaft opposite to motor, with encoder 蜗杆非输入端带编码器	
		None — Omitted with motor 配电机时, 省略	
		12 — 12mm keyed shaft 蜗杆输入孔为φ12	
		16 — 16mm keyed shaft 蜗杆输入孔为φ16	
		25 — 25mm keyed shaft 蜗杆输入孔为φ25	
	85 — Reduction ratio 回转减速机的减速比		
14 — Diameter of raceway in inch 钢球滚道直径近似英寸尺寸			
SE — Enclosed housing slewing drive 围栏型回转减速器			
PE — Precise enclosed housing slewing drive 精密型围栏回转减速器			
ZE — Zero backlash enclosed housing slewing drive 零间隙围栏型回转减速器			
VE — Vertical enclosed housing slewing drive 立式围栏型回转减速器			



Motors Option
选配电机马达

LDB[®] SLEWING DRIVE



产品介绍

Product introduction

LDB slewing drive is a deceleration device using the principle of worm gear to achieve a large transmission ratio, and the enveloping worm drive is used to transfer movement and power between two axes staggered in space. The drive of slewing drive is usually composed of worm, slewing bearing, housing and power source.

A slewing bearing is used as the core component, so it can withstand axial load, radial load and tilting moment at the same time. LDB slewing drive compared with the traditional rotary drive products, has the advantages, such as easy installation, easy maintenance, and saving greater space for installation.

Characteristics of main components:

I. Slewing bearing can withstand axial load, radial load and tilting moment at the same time. Slewing bearing is generally provided with mounting holes, internal gears or external gears, lubricant holes and sealing device, so the designed host has a compact structure, and is simply guided and is easily maintained.

II. The features of worm gear drive are as follows:

Worm gear drive is used for two axes to intersect at 90 degrees, but when they are not parallel to each other and can not intersect, usually, the worm is active and the worm gear is passive in the worm gear drive.

1. Big transmission ratio, compact structure, small size and light weight.
2. Steady transmission, no noise; low shock and vibration. Because the worm drive is equivalent to screw drive, while a number of teeth mesh.
3. It is line contact between two-wheeled meshing tooth surfaces, and its carrying capacity is much higher than helical gear drive.
4. With self-locking. When the guide angle of worm is less than the equivalent friction angle of between meshing gear teeth, the body has self-locking, and its reverse self-locking can be achieved. Thus, it is widely used in many mechanical devices required for self-locking.
5. It can withstand great radial and axial loads and strong tilting moment.

The device moves with wheels to reduce the consumption of force, and plays a security role. In addition to solar power generation tracking system, it is also usually used for heavy-duty flatbed truck, crane, lorry crane, mobile crane, overhead working truck, ship crane, gantry crane, small wind power station, space communications, satellite receiver and other fields.

回转驱动副是利用蜗轮蜗杆传动的原理实现大传动比的减速装置,采用环面蜗杆传动,用在空间交错的两轴间传递运动和动力。回转驱动副传动通常情况下是由蜗杆、转盘轴承、壳体 and 动力源组成。

由于核心部件采用转盘轴承,因此可以同时承受轴向载荷、径向载荷和倾翻力矩。LDB回转驱动副与传统的回转类产品相比,具有安装简便、易于维护、更大程度上节省安装空间等优势。

主要部件特点:

一.转盘轴承:同时承受轴向载荷、径向载荷和倾翻力矩。转盘轴承一般都带有安装孔、内齿轮或外齿轮、润滑油孔和密封装置,因而能使主机设计结构紧凑,引导简便,容易维护。

二.蜗轮蜗杆传动的特点如下:

蜗轮蜗杆传动用于两轴相交成90度,但彼此即不能平行又不能相交的情况下,通常在蜗轮蜗杆传动中,蜗杆为主动件而蜗轮为被动件。

- 1.传动比大,结构紧凑,体积小、重量轻。
- 2.传动平稳,无噪音;冲击、震动小。因蜗杆传动相当于螺旋传动,同时有多齿啮合。
- 3.两轮啮合齿面间为线接触,其承载能力大大高于斜齿轮传动。
- 4.具有自锁性。当蜗杆的导程角小于啮合轮齿间的当量摩擦角时,机构具有自锁性,可实现反向自锁。因此,在许多要求自锁的机械设备中得到广泛的应用。
- 5.能承受较大的径向、轴向载荷以及较强的倾覆力矩。

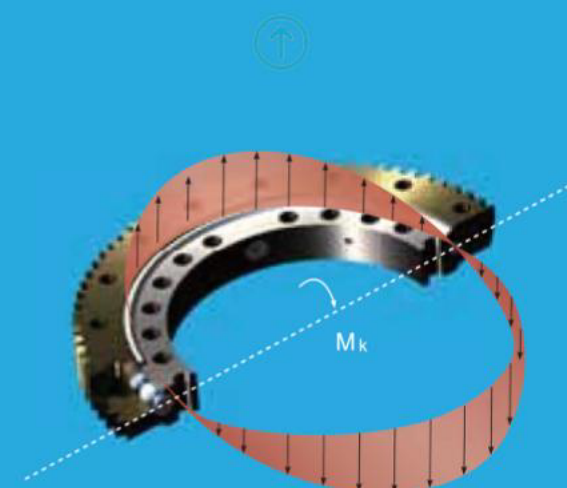
此种装置使用轮轴运动可以减少力的消耗,起安全保护作用。除了用在逐日太阳能发电系统通常也用于重型平板运输车、集装箱起重机、随车吊、汽车吊、高空作业车、克令吊、门式起重机、小型风力发电站、航天通讯、卫星接收等领域。

Glossary

专业术语

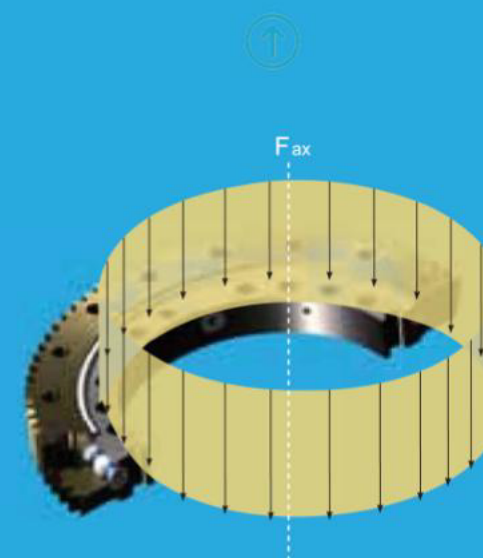
Tilting Moment Torque: Torque is the load multiplied by the distance between the position of load and the center of slewing ring. If the torque generated by load and distance is greater than the rated tilting moment torque, slewing drive will be overturned.

倾覆力矩: 载荷产生的力矩大小等于载荷大小乘载荷作用点到回转支承中心的距离。当载荷产生的力矩大于装置的倾覆力矩时,会产生倾覆失稳。

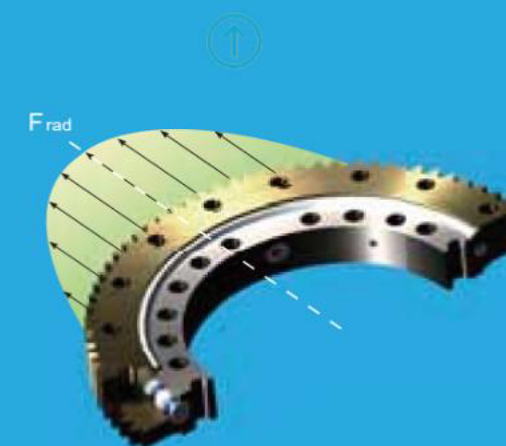


Axial load: Load parallel to the axis of slewing ring.

轴向载荷: 作用方向平行于回转支承轴心线的载荷。



Radial load: Load vertical to the axis of slewing ring.
径向载荷: 作用方向垂直于回转支承轴心线的载荷。



Holding torque: It is the reverse torque.

When the drive is rotating reversely, and parts are not damaged, the maximum torque achieved is called holding torque.

保持力矩: 即反向力矩, 装置反向旋转, 且各个零部件均无损害时的最大反向力矩。

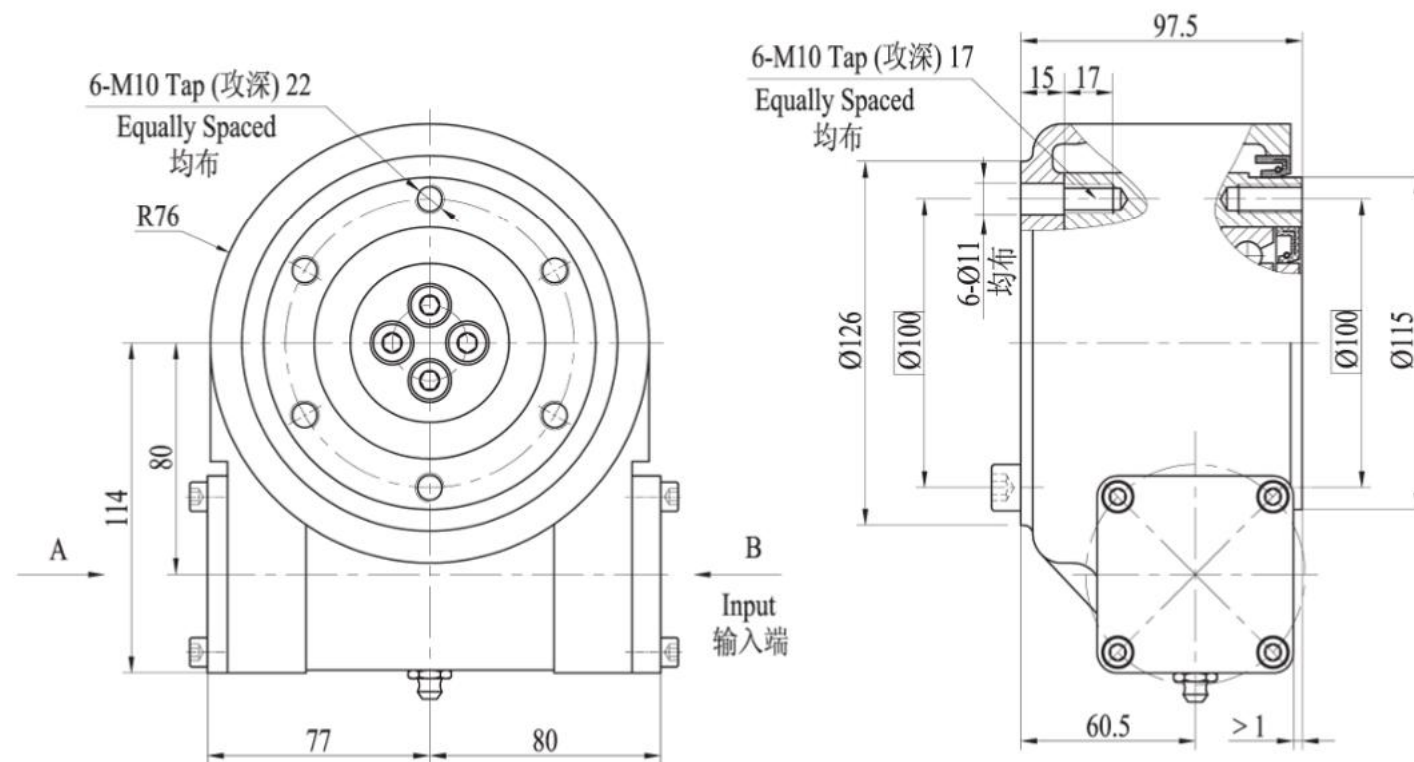
Self-locking: Only when loaded, the slewing drive is not able to reverse rotate and thus called self-locking.

自锁: 仅在驱动力或驱动力矩作用下, 由于摩擦使机构不能产生运动的现象。



SE3C/PE3C/ZE3C | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



Wt: 12kg

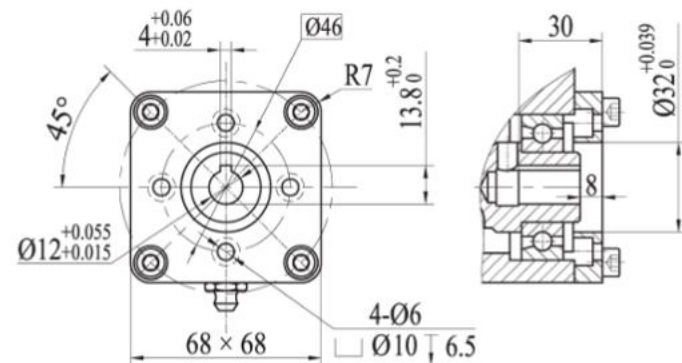
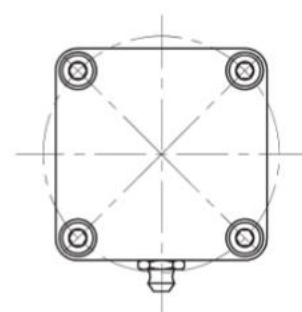
VIEW A

A 向视图

VIEW B

B 向视图

END CAP
闷盖



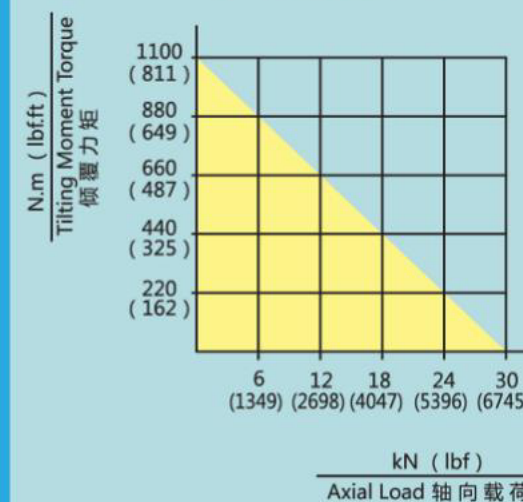
LDB[®] SLEWING DRIVE



SE3C/PE3C/ZE3C | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE3C	400 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	≤ 0.2°	12kg
	295 lbf.ft	811 lbf.ft	1475 lbf.ft	6744 lbf	3732 lbf	2158 lbf	1888 lbf			
PE3C	400 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	I : ≤ 0.08° II : ≤ 0.12° III : ≤ 0.15°	12kg
	295 lbf.ft	811 lbf.ft	1475 lbf.ft	6744 lbf	3732 lbf	2158 lbf	1888 lbf			
ZE3C	240 N.m	1100 N.m	2000 N.m	30 kN	16.6 kN	9.6 kN	8.4 kN	62 : 1	0°	12kg
	177 lbf.ft	811 lbf.ft	1475 lbf.ft	6744 lbf	3732 lbf	2158 lbf	1888 lbf			

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



NOTICE 注意

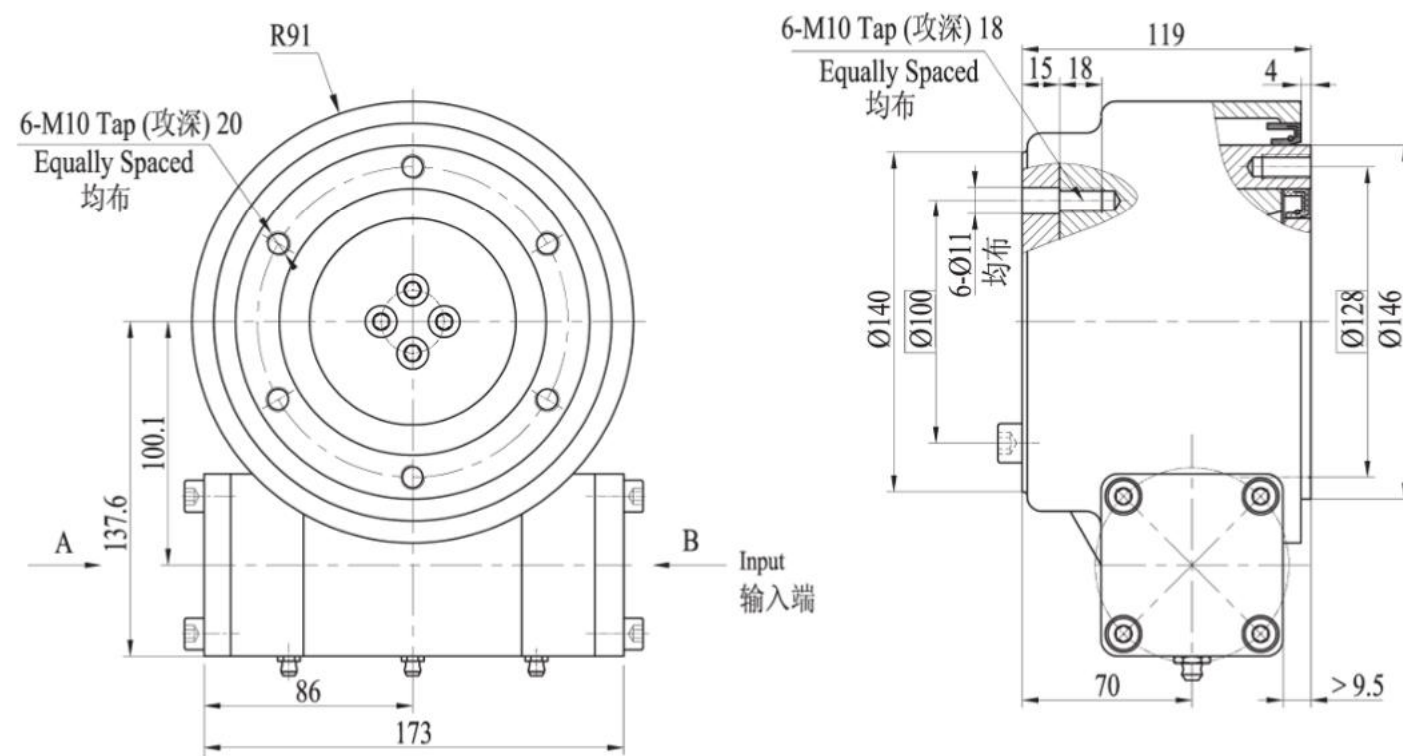
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选型时请确保实际载荷在曲线范围内

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SE5A/PE5A/ZE5A | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



Wt: 20kg

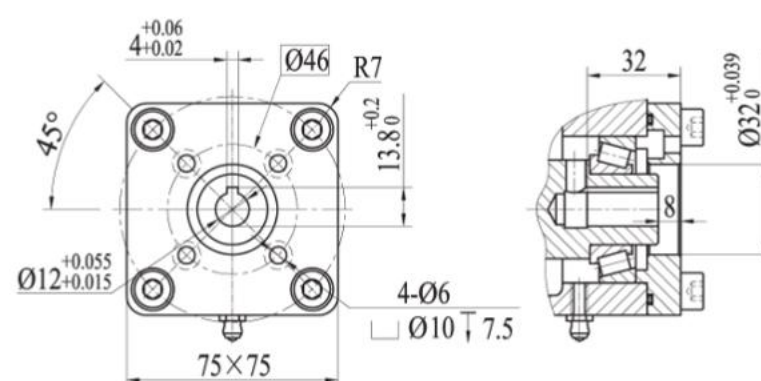
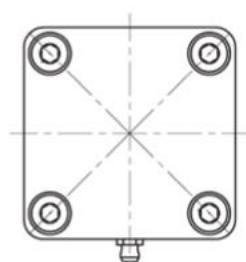
VIEW A

A 向视图

VIEW B

B 向视图

END CAP
闷盖



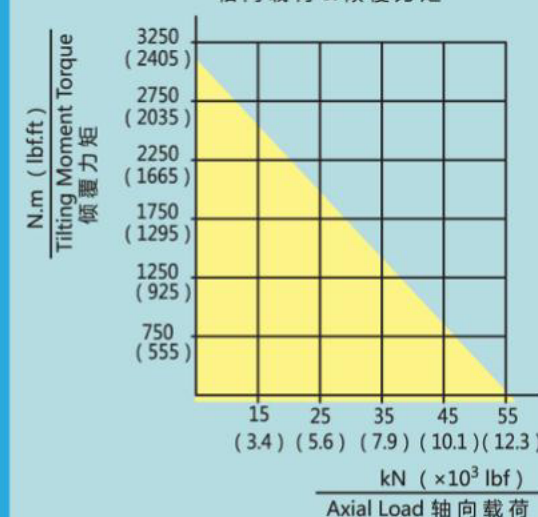
LDB® SLEWING DRIVE



SE5A/PE5A/ZE5A | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE5A	600 N.m 442.5 lbf.ft	3000 N.m 2212.5 lbf.ft	5500 N.m 4056.25 lbf.ft	45 kN 10116 lbf	22 kN 4945.6 lbf	14.4 kN 3237.1 lbf	11.1 kN 2495.3 lbf	62 : 1	≤ 0.2°	20kg
PE5A	600 N.m 442.5 lbf.ft	3000 N.m 2212.5 lbf.ft	5500 N.m 4056.25 lbf.ft	45 kN 10116 lbf	22 kN 4945.6 lbf	14.4 kN 3237.1 lbf	11.1 kN 2495.3 lbf	62 : 1	I ≤ 0.05° II ≤ 0.08° III ≤ 0.12°	20kg
ZE5A	360 N.m 265.5 lbf.ft	3000 N.m 2212.5 lbf.ft	5500 N.m 4056.25 lbf.ft	45 kN 10116 lbf	22 kN 4945.6 lbf	14.4 kN 3237.1 lbf	11.1 kN 2495.3 lbf	62 : 1	0°	20kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



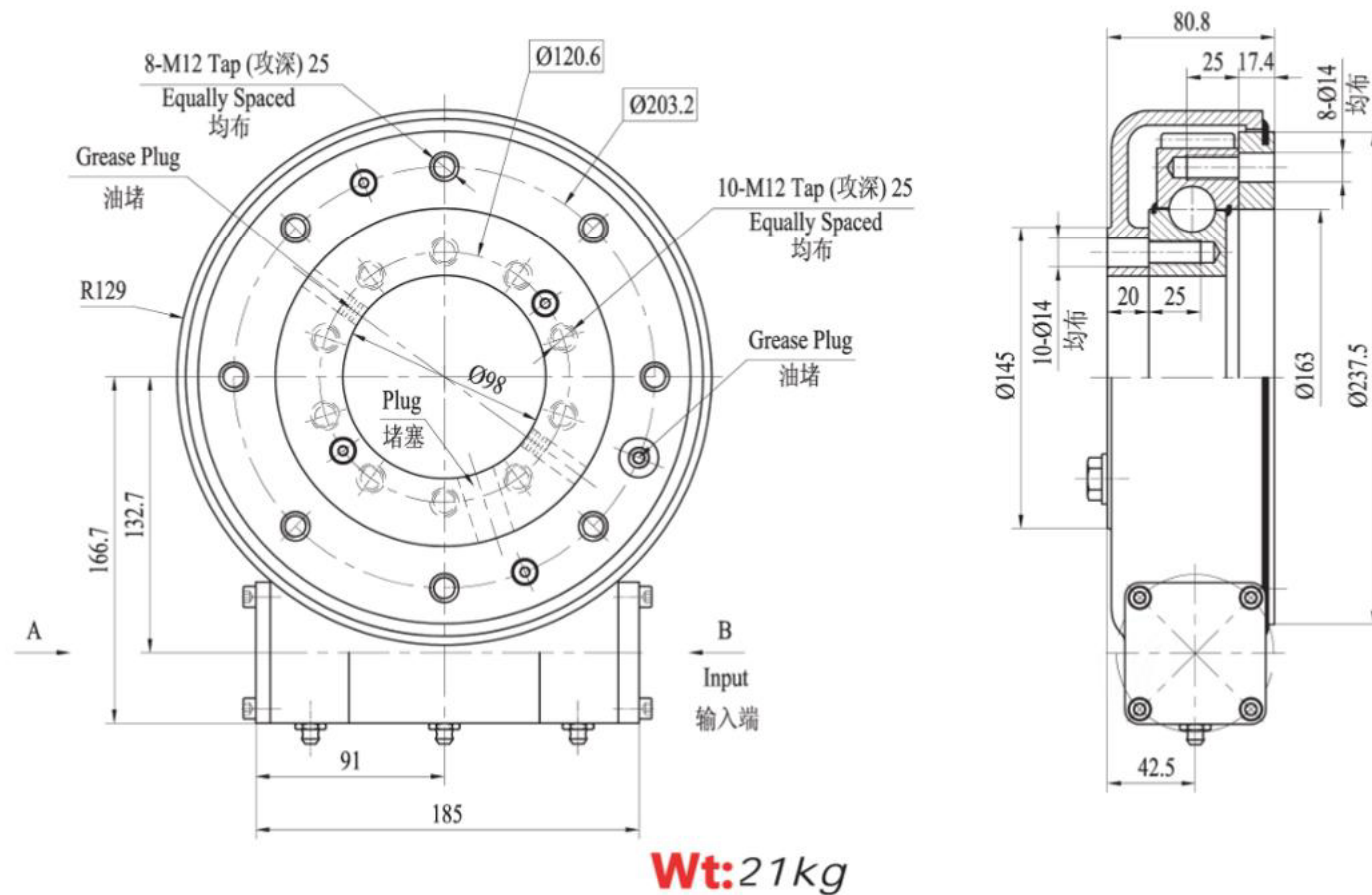
NOTICE 注意

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SE7/PE7/ZE7

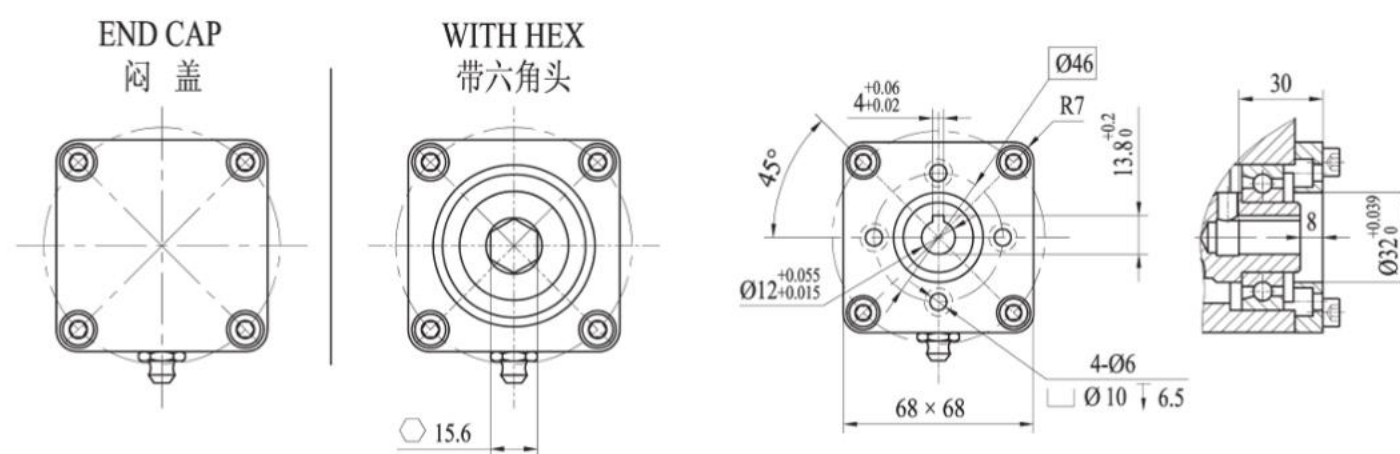
SLEWING DRIVE
回转驱动Units (单位): mm
1 inch = 25.4 mm

VIEW A OPTION

A 向选项

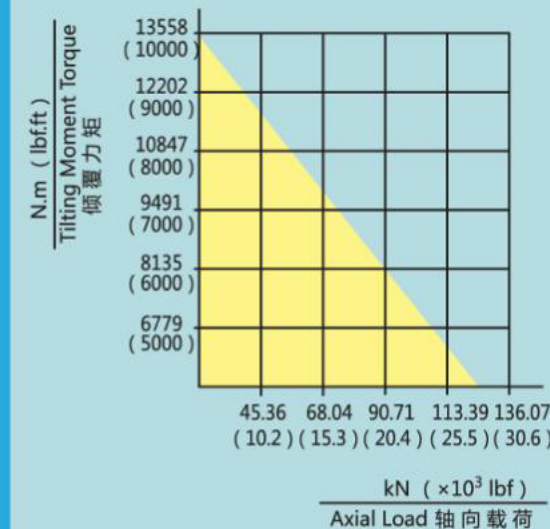
VIEW B

B 向视图

**LDB[®]** SLEWING DRIVESE7/PE7/ZE7 | Slewing Drive Performance Parameters
回转式减速器性能参数表

Model 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE7	1500 N.m 1107 lbf.ft	13500 N.m 9957 lbf.ft	10400 N.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	32 kN 7194 lbf	28 kN 6295 lbf	73 : 1	≤ 0.2°	21kg
PE7	1500 N.m 1107 lbf.ft	13500 N.m 9957 lbf.ft	10400 N.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	32 kN 7194 lbf	28 kN 6295 lbf	73 : 1	I ≤ 0.05° II ≤ 0.07° III ≤ 0.11°	21kg
ZE7	600 N.m 443 lbf.ft	13500 N.m 9957 lbf.ft	10400 N.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	32 kN 7194 lbf	28 kN 6295 lbf	73 : 1	0°	21kg

MOMENT LOAD CHART 承载力矩表

Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

NOTICE 注意

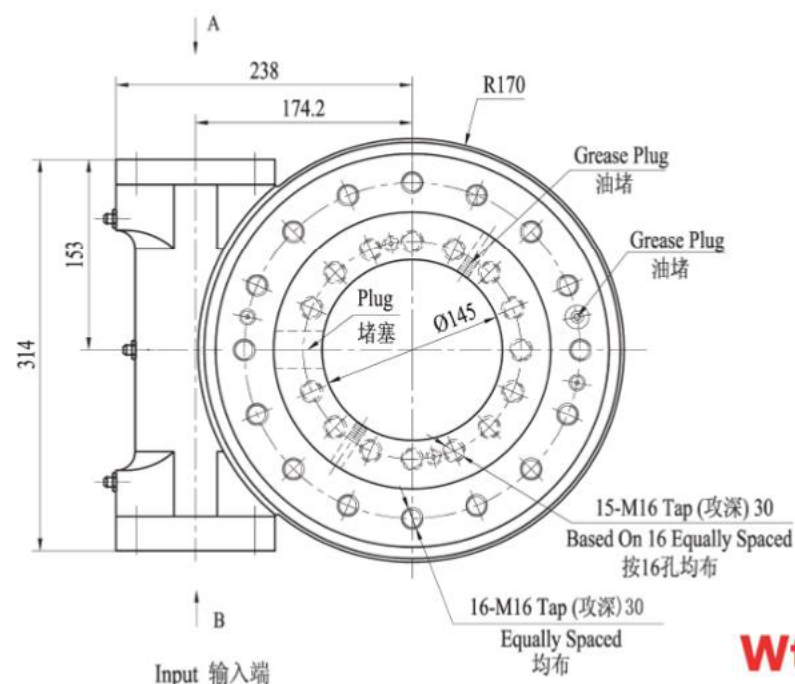
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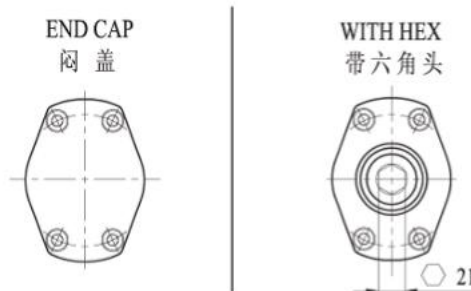
SE9A/PE9A/ZE9A | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



VIEW A OPTION

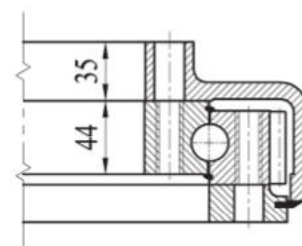
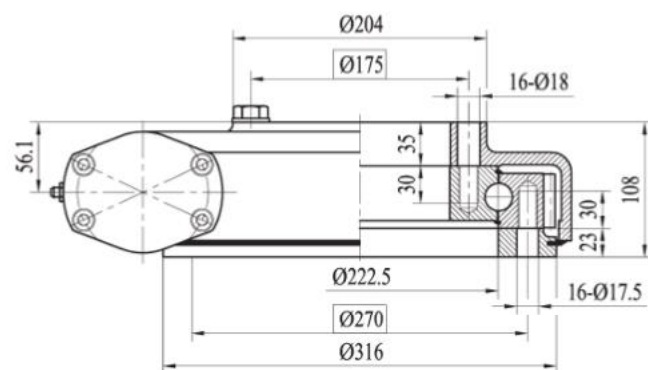
A 向选项



Wt: 49kg

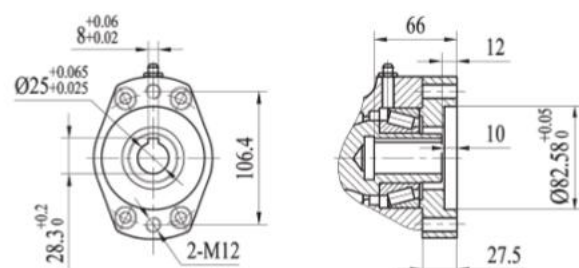
THRU HOLE OPTION

内外圈通孔选项



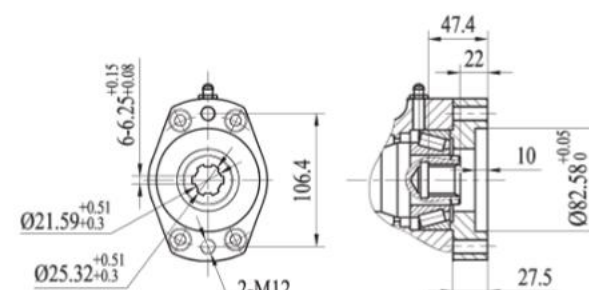
VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL



6B SPLINE
花键

LDB[®] SLEWING DRIVE

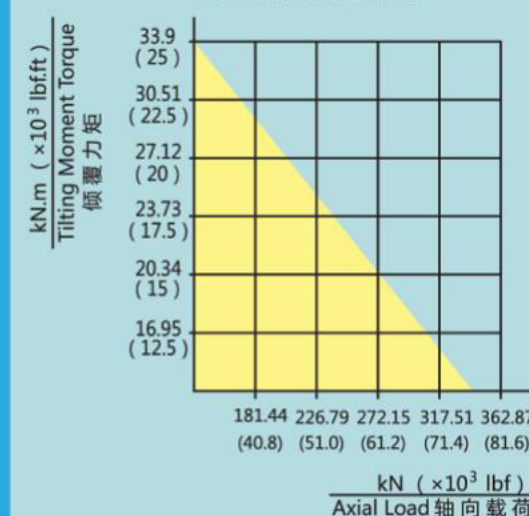


SE9A/PE9A/ZE9A | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data Model 参数 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE9A	6.5 kN.m 4794 lbf.ft	33.9 kN.m 25×10 ³ lbf.ft	38.7 kN.m 29×10 ³ lbf.ft	338 kN 76×10 ³ lbf	135 kN 30×10 ³ lbf	81 kN 18×10 ³ lbf	71 kN 16×10 ³ lbf	61:1	≤ 0.17°	49kg
PE9A	6.5 kN.m 4794 lbf.ft	33.9 kN.m 25×10 ³ lbf.ft	38.7 kN.m 29×10 ³ lbf.ft	338 kN 76×10 ³ lbf	135 kN 30×10 ³ lbf	81 kN 18×10 ³ lbf	71 kN 16×10 ³ lbf	61:1	I ≤ 0.05° II ≤ 0.07° III ≤ 0.09°	49kg
ZE9A	3.9 kN.m 2876 lbf.ft	33.9 kN.m 25×10 ³ lbf.ft	38.7 kN.m 29×10 ³ lbf.ft	338 kN 76×10 ³ lbf	135 kN 30×10 ³ lbf	81 kN 18×10 ³ lbf	71 kN 16×10 ³ lbf	61:1	0°	49kg

MOMENT LOAD CHART 承载力矩表

Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



NOTICE 注意

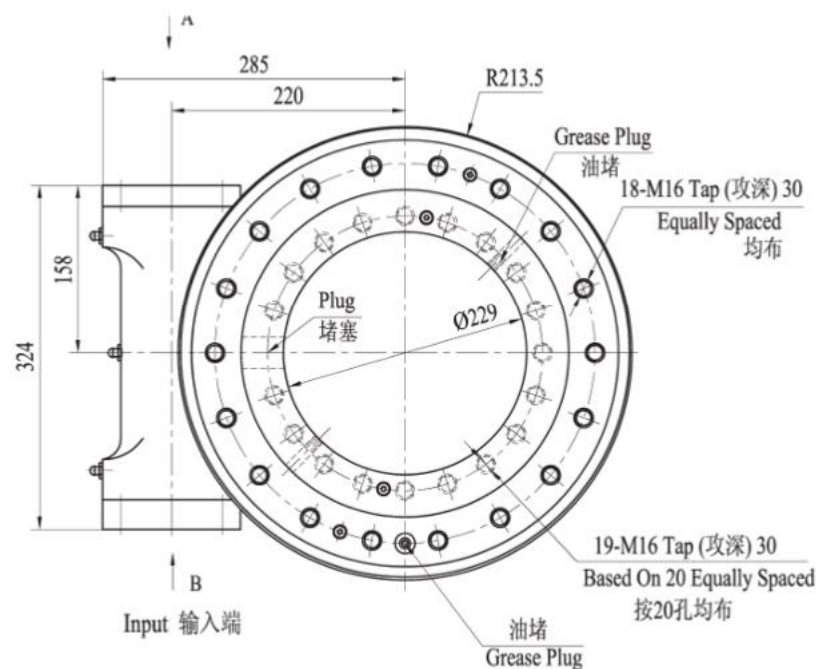
▲ PLEASE BE SURE TO REMAIN UNDER THIS CURVE
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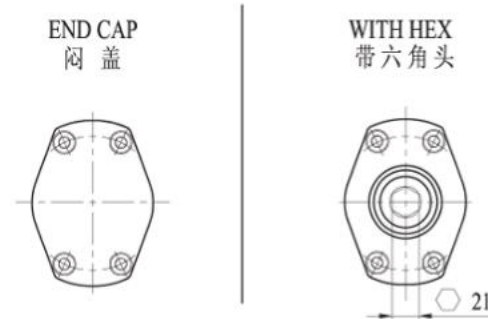
SE12A/PE12A/ZE12A | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



VIEW A OPTION

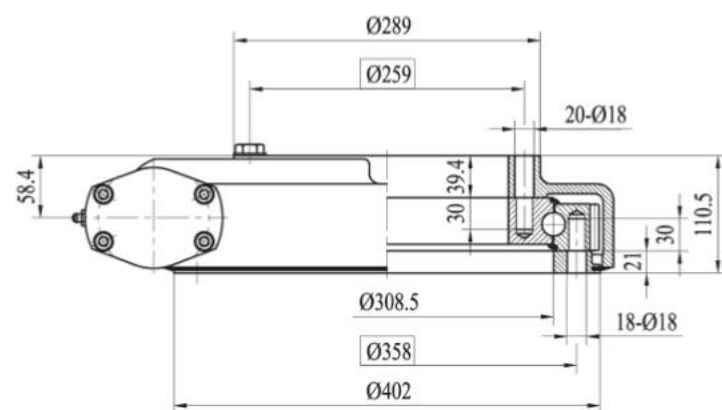
A 向选项



Wt: 61kg

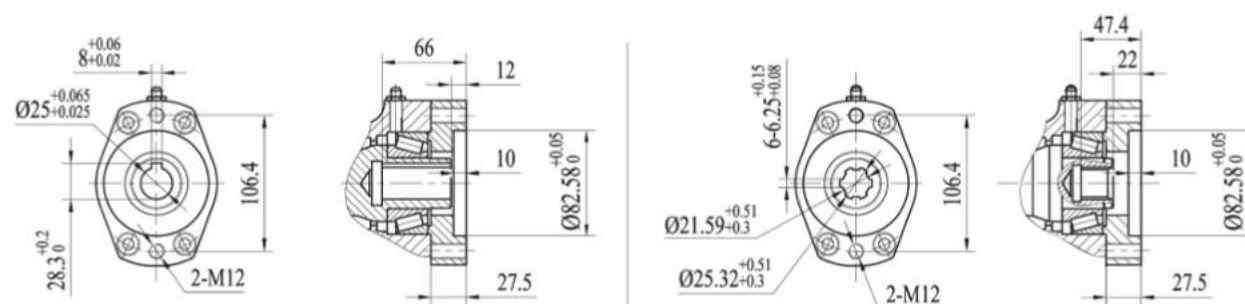
THRU HOLE OPTION

内外圈通孔选项



VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

6B SPLINE
花键

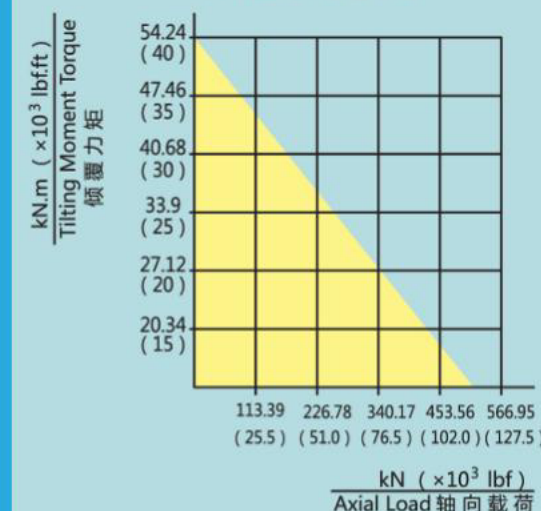
LDB[®] SLEWING DRIVE



SE12A/PE12A/ZE12A | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE12A	7.5 kN.m 5532 lbf.ft	54.3 kN.m 40×10 ³ lbf.ft	43 kN.m 32×10 ³ lbf.ft	475 kN 107×10 ³ lbf.ft	190 kN 43×10 ³ lbf.ft	114 kN 26×10 ³ lbf.ft	100 kN 23×10 ³ lbf.ft	78 : 1	≤ 0.17°	61kg
PE12A	7.5 kN.m 5532 lbf.ft	54.3 kN.m 40×10 ³ lbf.ft	43 kN.m 32×10 ³ lbf.ft	475 kN 107×10 ³ lbf.ft	190 kN 43×10 ³ lbf.ft	114 kN 26×10 ³ lbf.ft	100 kN 23×10 ³ lbf.ft	78 : 1	I : ≤ 0.03° II : ≤ 0.05° III : ≤ 0.07°	61kg
ZE12A	4.5 kN.m 3319 lbf.ft	54.3 kN.m 40×10 ³ lbf.ft	43 kN.m 32×10 ³ lbf.ft	475 kN 107×10 ³ lbf.ft	190 kN 43×10 ³ lbf.ft	114 kN 26×10 ³ lbf.ft	100 kN 23×10 ³ lbf.ft	78 : 1	0°	61kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



NOTICE 注意

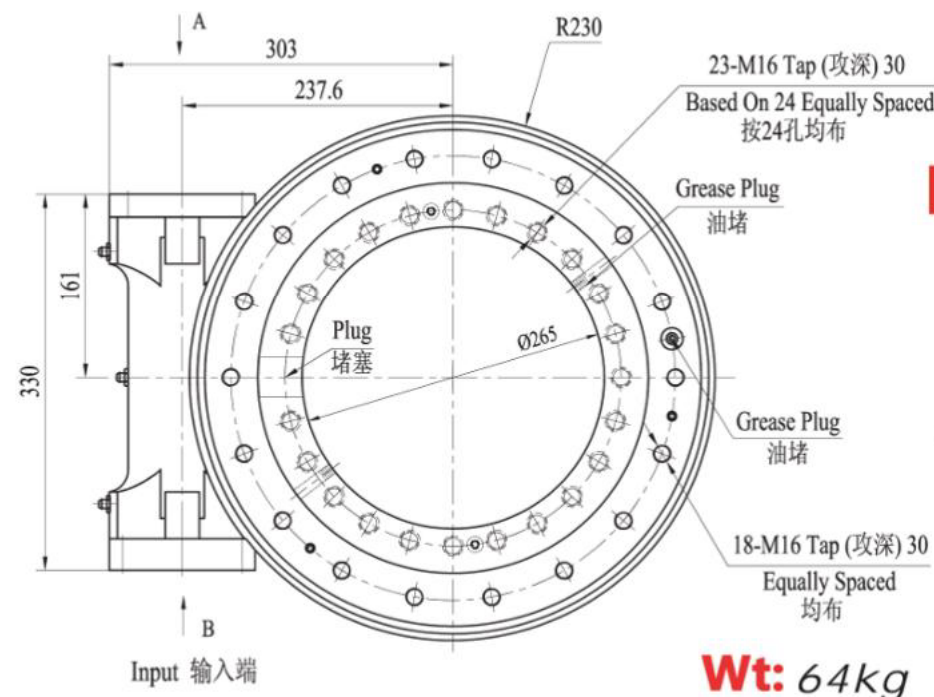
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SE14A/PE14A/ZE14A | SLEWING DRIVE 回转驱动

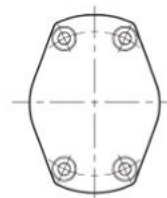
Units (单位): mm
1 inch = 25.4 mm



VIEW A OPTION

A 向选项

END CAP
闷盖

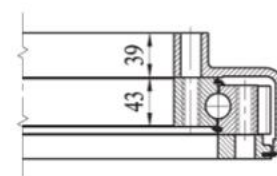


WITH HEX
带六角头



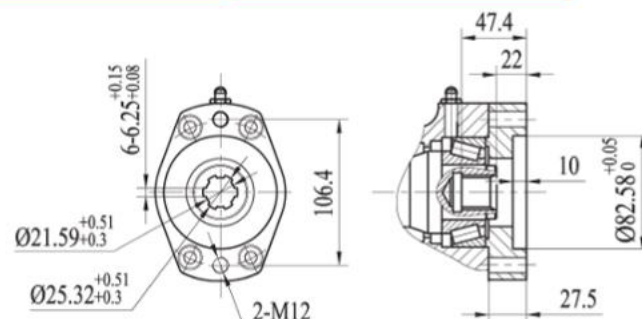
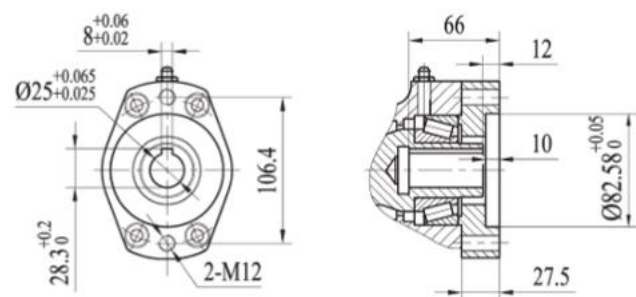
THRU HOLE OPTION

内外圈通孔选项



VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

6B SPLINE
花键

LDB[®] SLEWING DRIVE

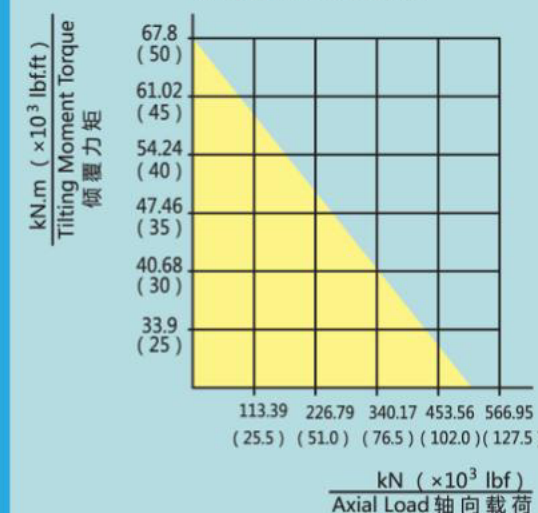


SE14A/PE14A/ZE14A | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE14A	8 kN.m 5900 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf.ft	222 kN 50×10 ³ lbf.ft	133 kN 30×10 ³ lbf.ft	117 kN 26×10 ³ lbf.ft	85 : 1	≤ 0.17°	64kg
PE14A	8 kN.m 5900 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf.ft	222 kN 50×10 ³ lbf.ft	133 kN 30×10 ³ lbf.ft	117 kN 26×10 ³ lbf.ft	85 : 1	I : ≤ 0.03° II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	64kg
ZE14A	4.8 kN.m 3500 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf.ft	222 kN 50×10 ³ lbf.ft	133 kN 30×10 ³ lbf.ft	117 kN 26×10 ³ lbf.ft	85 : 1	0°	64kg

MOMENT LOAD CHART 承载力矩表

Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



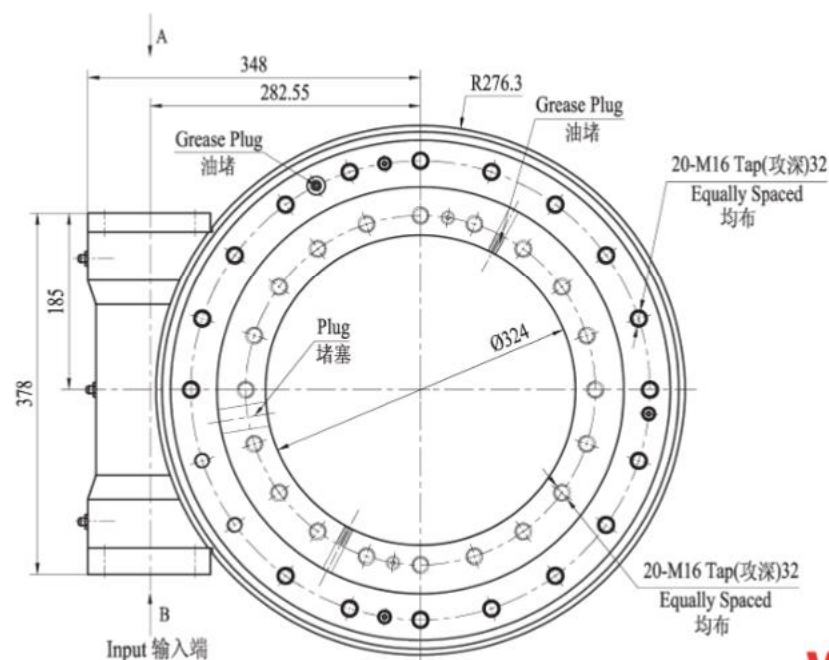
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SE17A/PE17A

SLEWING DRIVE
回转驱动Units (单位): mm
1 inch = 25.4 mm

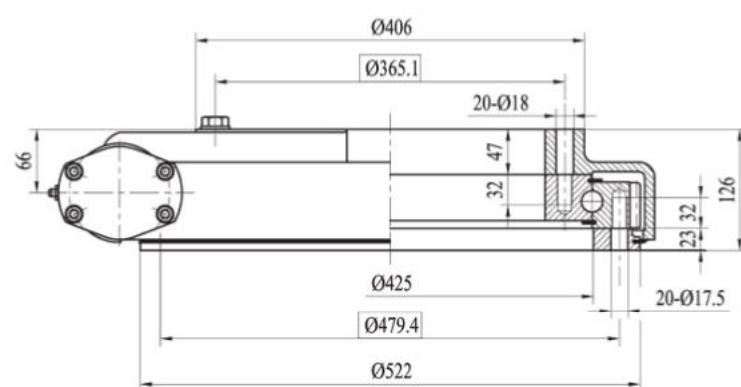
VIEW A OPTION

A 向选项

END CAP
闷盖WITH HEX
带六角头

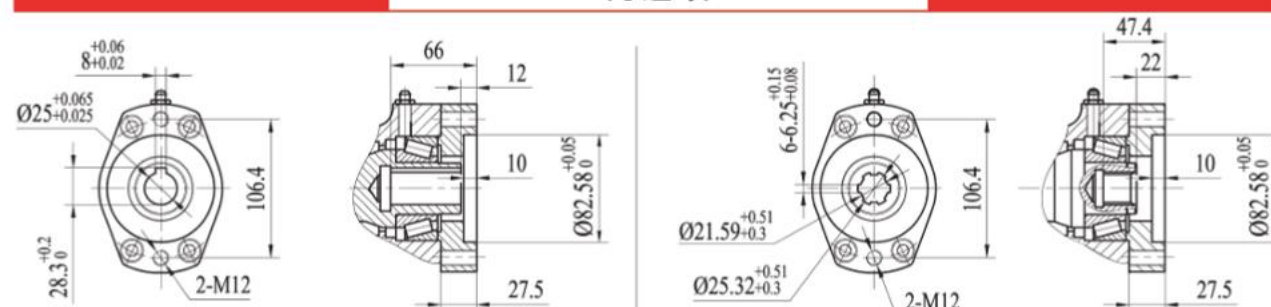
THRU HOLE OPTION

内外圈通孔选项



VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

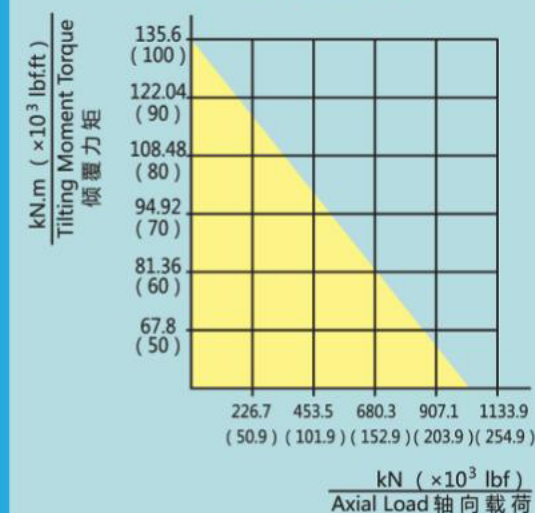
6B SPLINE
花键

LDB® SLEWING DRIVE

SE17A/PE17A | Slewing Drive Performance Parameters
回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE17A	10 kN.m 7400 lbf.ft	135.6 kN.m 100×10 ³ lbf.ft	72.3 kN.m 53×10 ³ lbf.ft	970 kN 218×10 ³ lbf.ft	390 kN 88×10 ³ lbf.ft	235 kN 53×10 ³ lbf.ft	205 kN 46×10 ³ lbf.ft	102 : 1	≤ 0.15°	105kg
PE17A	10 kN.m 7400 lbf.ft	135.6 kN.m 100×10 ³ lbf.ft	72.3 kN.m 53×10 ³ lbf.ft	970 kN 218×10 ³ lbf.ft	390 kN 88×10 ³ lbf.ft	235 kN 53×10 ³ lbf.ft	205 kN 46×10 ³ lbf.ft	102 : 1	I ≤ 0.03° II ≤ 0.05° III ≤ 0.07° IV ≤ 0.09°	105kg

MOMENT LOAD CHART 承载力矩表

Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

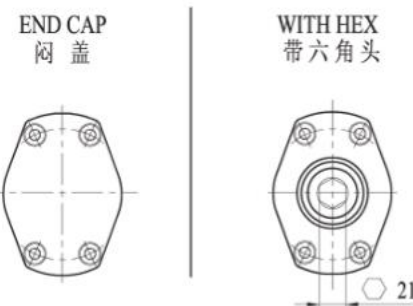
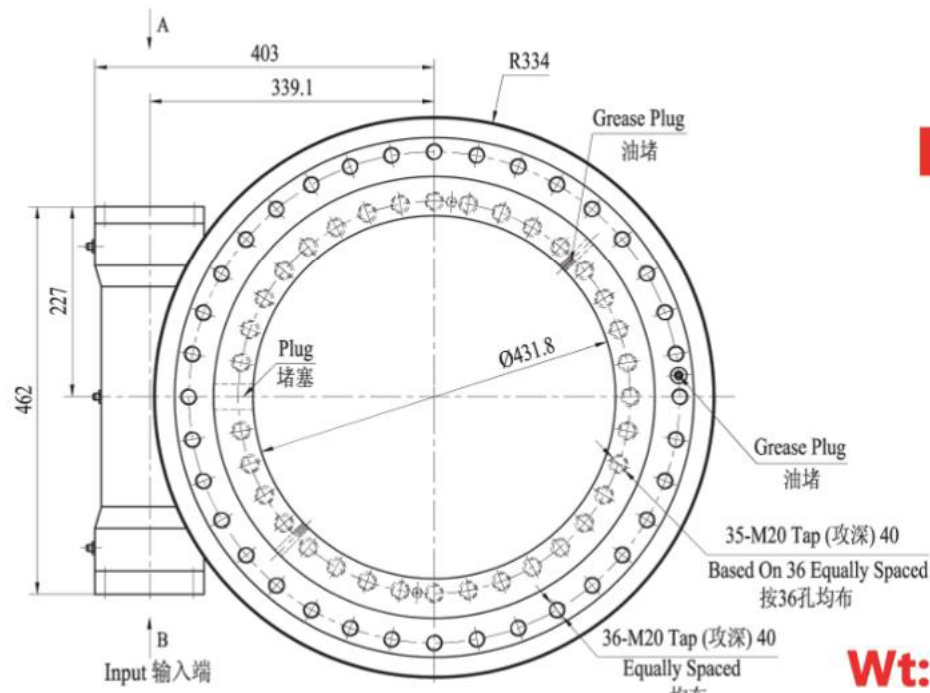
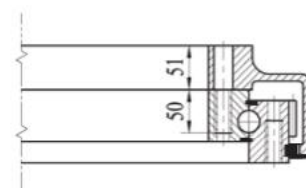
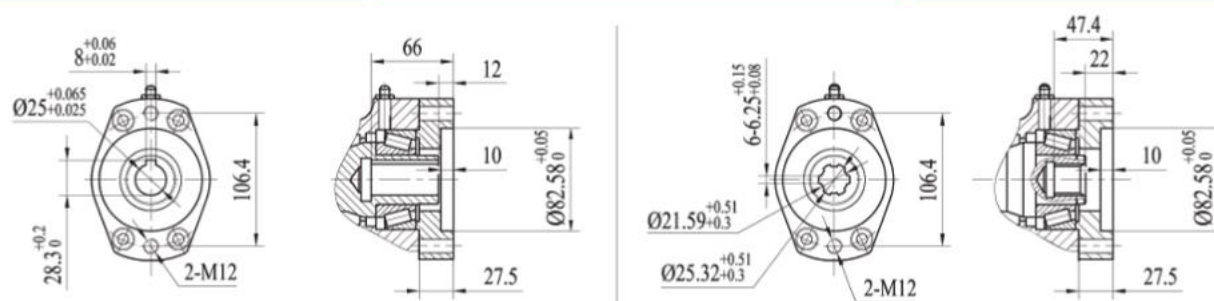
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SE21/PE21

SLEWING DRIVE
回转驱动Units (单位): mm
1 inch = 25.4 mmTHRU HOLE OPTION
内外圈通孔选项VIEW B OPTION
B 向选项

Ø12 Ø14 Ø16 Ø20 Ø25

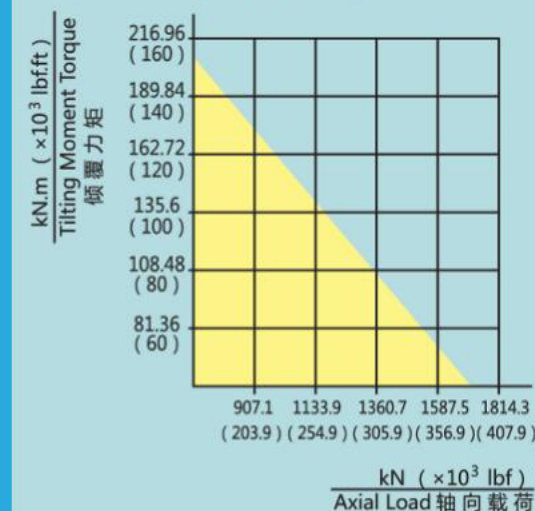
■ NORMAL

6B SPLINE
花键

LDB® SLEWING DRIVE

SE21/PE21 Slewing Drive Performance Parameters
回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE21	15 kN.m 11000 lbf.ft	203 kN.m 150×10³ lbf.ft	105.8 kN.m 78×10³ lbf.ft	1598 kN 359×10³ lbf.ft	640 kN 144×10³ lbf.ft	385 kN 87×10³ lbf.ft	335 kN 75×10³ lbf.ft	125 : 1	≤ 0.15°	149kg
PE21	15 kN.m 11000 lbf.ft	203 kN.m 150×10³ lbf.ft	105.8 kN.m 78×10³ lbf.ft	1598 kN 359×10³ lbf.ft	640 kN 144×10³ lbf.ft	385 kN 87×10³ lbf.ft	335 kN 75×10³ lbf.ft	125 : 1	I : ≤ 0.03° II : ≤ 0.05° III : ≤ 0.07° IV : ≤ 0.09°	149kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

⚠ NOTICE 注意

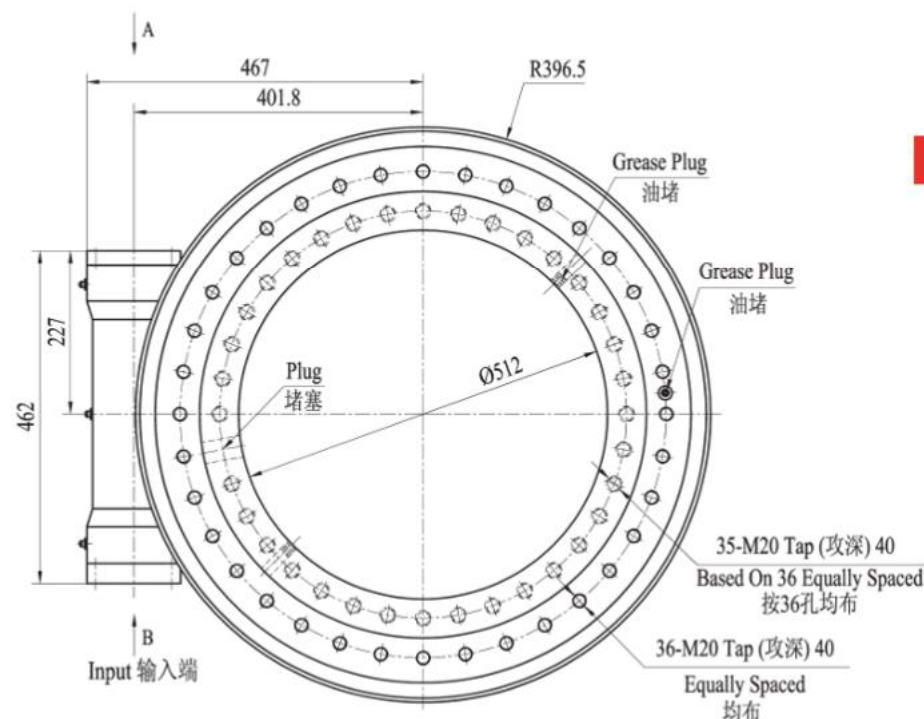
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SE25/PE25

SLEWING DRIVE
回转驱动

Units (单位): mm

1 inch = 25.4 mm



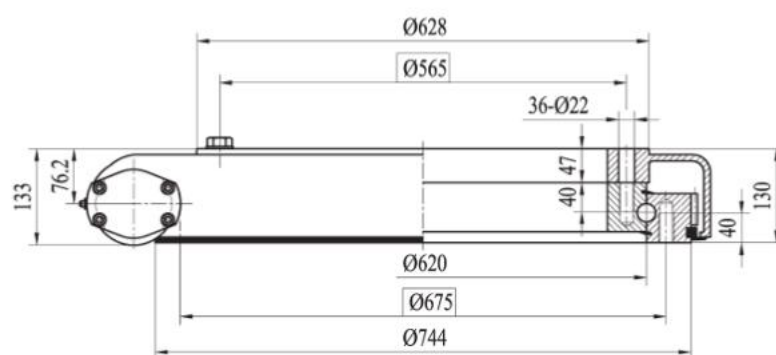
VIEW A OPTION

A 向选项

END CAP
闷盖WITH HEX
带六角头

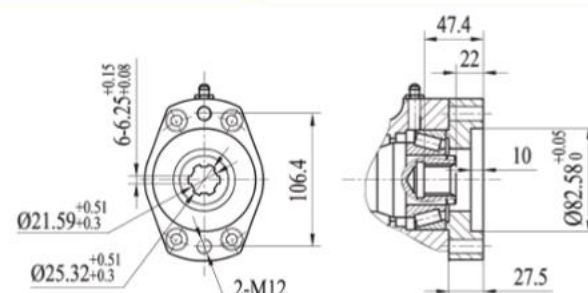
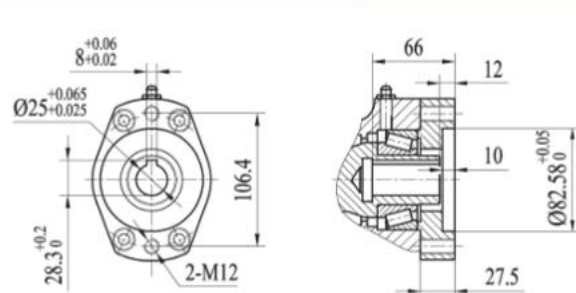
THRU HOLE OPTION

内外圈通孔选项



VIEW B OPTION

B 向选项



Wt: 204kg

Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

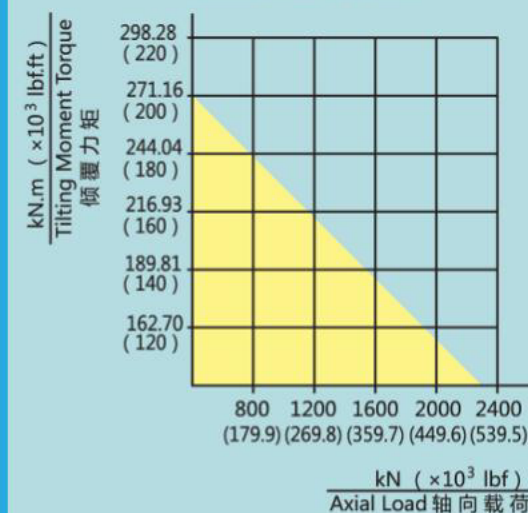
6B SPLINE
花键

LDB® SLEWING DRIVE

SE25/PE25 | Slewing Drive Performance Parameters
回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE25	18 kN.m 13300 lbf.ft	271 kN.m 200×10³ lbf.ft	158.3 kN.m 117×10³ lbf.ft	2360 kN 531×10³ lbf	945 kN 212×10³ lbf	590 kN 133×10³ lbf	470 kN 106×10³ lbf	150 : 1	≤ 0.15°	204kg
PE25	18 kN.m 13300 lbf.ft	271 kN.m 200×10³ lbf.ft	158.3 kN.m 117×10³ lbf.ft	2360 kN 531×10³ lbf	945 kN 212×10³ lbf	590 kN 133×10³ lbf	470 kN 106×10³ lbf	150 : 1	I ≤ 0.03° II ≤ 0.05° III ≤ 0.07° IV ≤ 0.09°	204kg

MOMENT LOAD CHART 承载力矩表

Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

NOTICE 注意

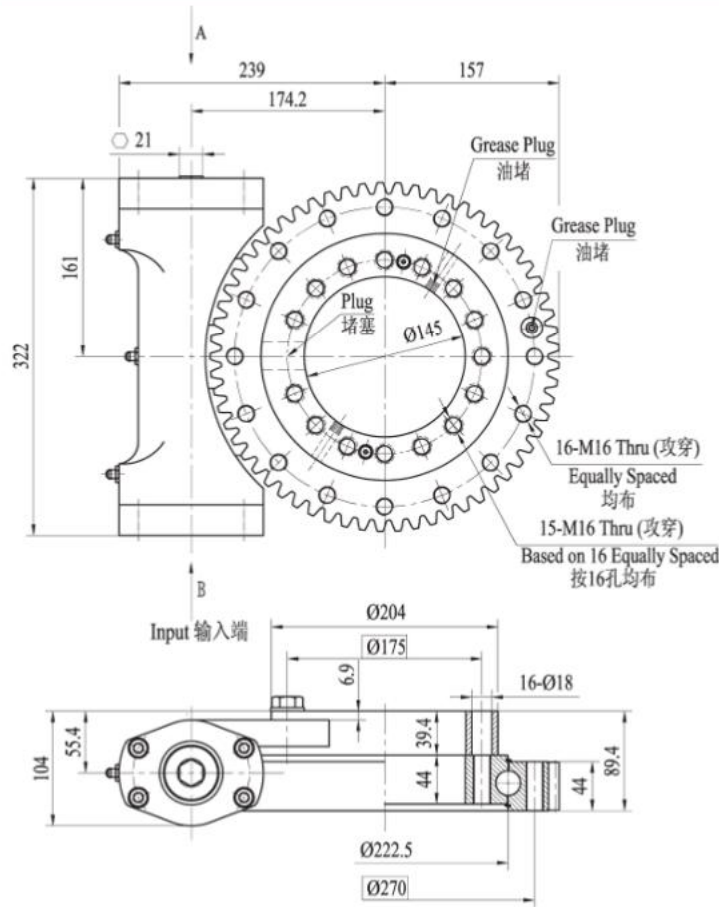
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S9 SLEWING DRIVE 回转驱动

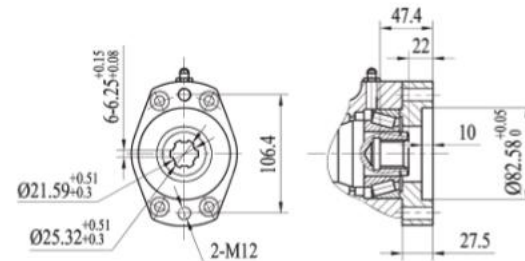
Units (单位): mm
1 inch = 25.4 mm



Wt: 37kg

VIEW B

B 向视图

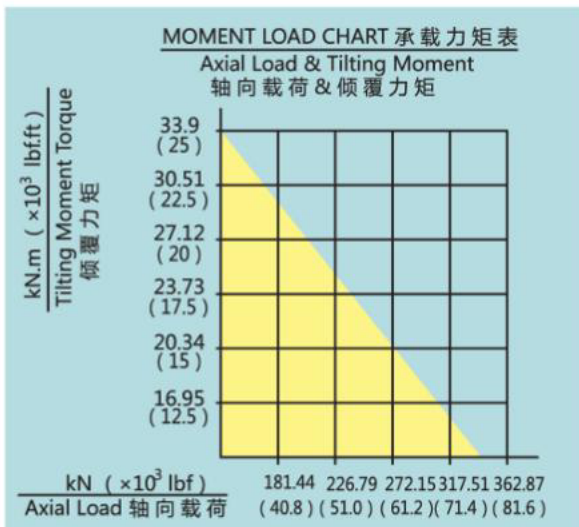


6B Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

S9 Slewing Drive Performance Parameters / 回转驱动性能参数表

Data 参数	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 型号										
S9	6.5 kN.m 4794 lbf.ft	33.9 kN.m 25×10 ³ lbf.ft	38.7 kN.m 29×10 ³ lbf.ft	338 kN 76×10 ³ lbf.ft	135 kN 30×10 ³ lbf.ft	81 kN 18×10 ³ lbf.ft	71 kN 16×10 ³ lbf.ft	61 : 1	≤ 0.17°	37kg



NOTICE 注意

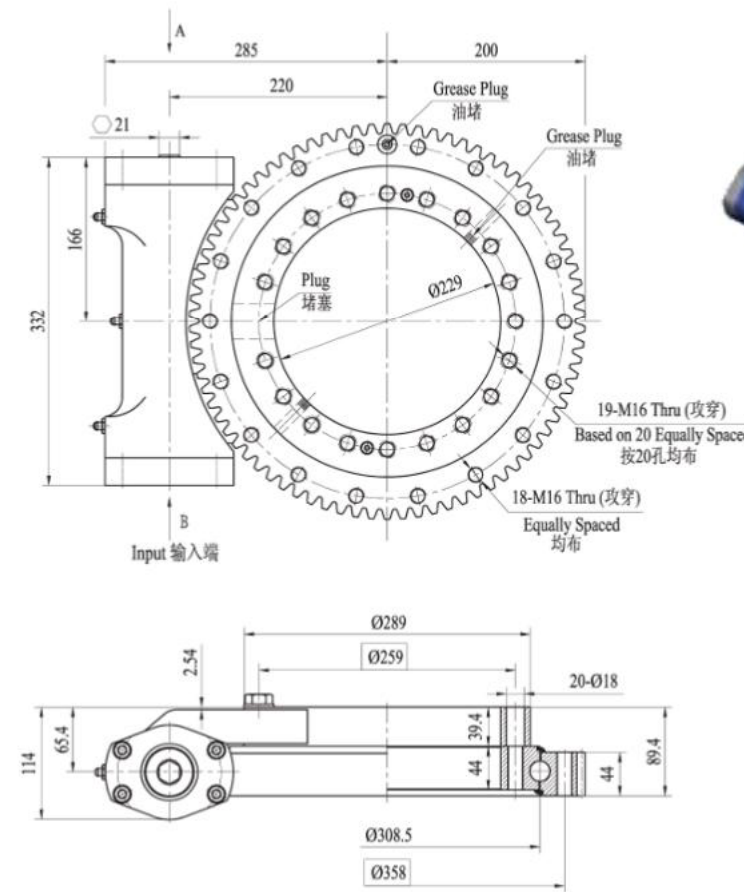
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S12 SLEWING DRIVE 回转驱动

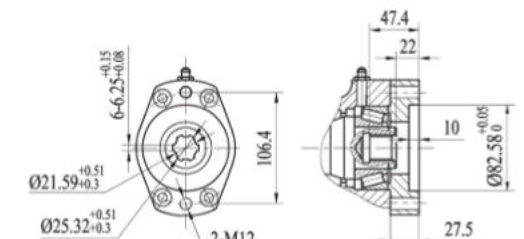
Units (单位): mm
1 inch = 25.4 mm



Wt: 41kg

VIEW B

B 向视图

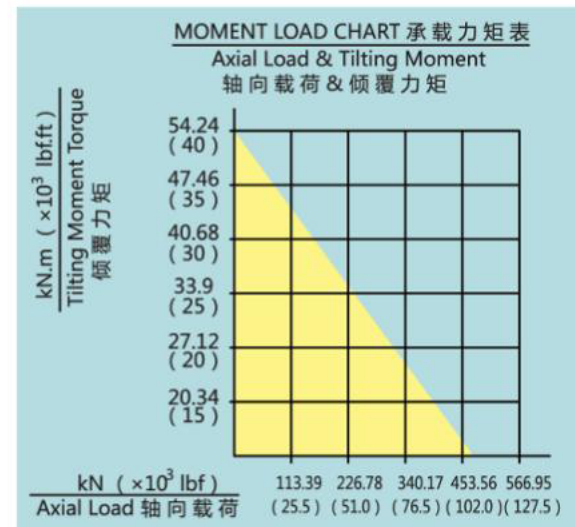


6B Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

S12 Slewing Drive Performance Parameters / 回转驱动性能参数表

Data 参数	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 型号										
S12	7.5 kN.m 5532 lbf.ft	54.3 kN.m 40×10 ³ lbf.ft	43 kN.m 32×10 ³ lbf.ft	475 kN 107×10 ³ lbf.ft	190 kN 43×10 ³ lbf.ft	114 kN 26×10 ³ lbf.ft	100 kN 23×10 ³ lbf.ft	78 : 1	≤ 0.17°	41kg



NOTICE 注意

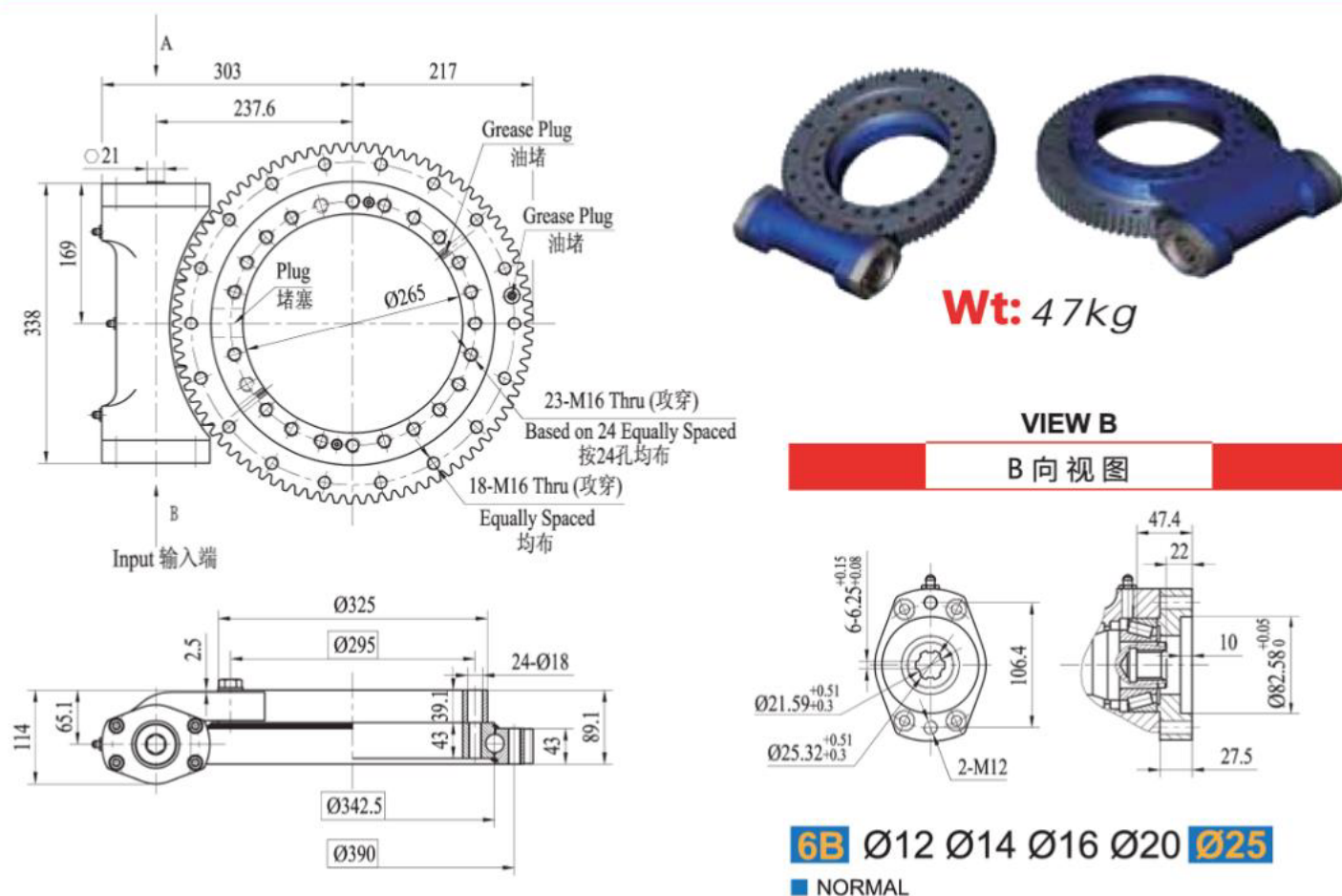
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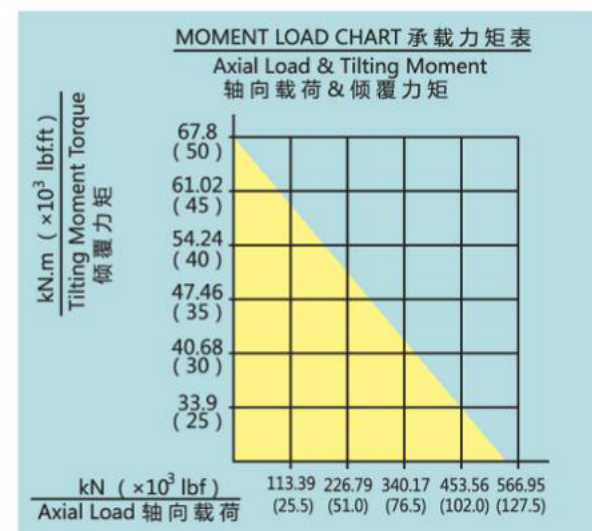
S14 | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



S14 Slewing Drive Performance Parameters / 回转驱动性能参数表

Data 参数	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 型号										
S14	8 kN.m 5900 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf	222 kN 50×10 ³ lbf	133 kN 30×10 ³ lbf	117 kN 26×10 ³ lbf	85 : 1	≤ 0.17°	47kg



NOTICE 注意

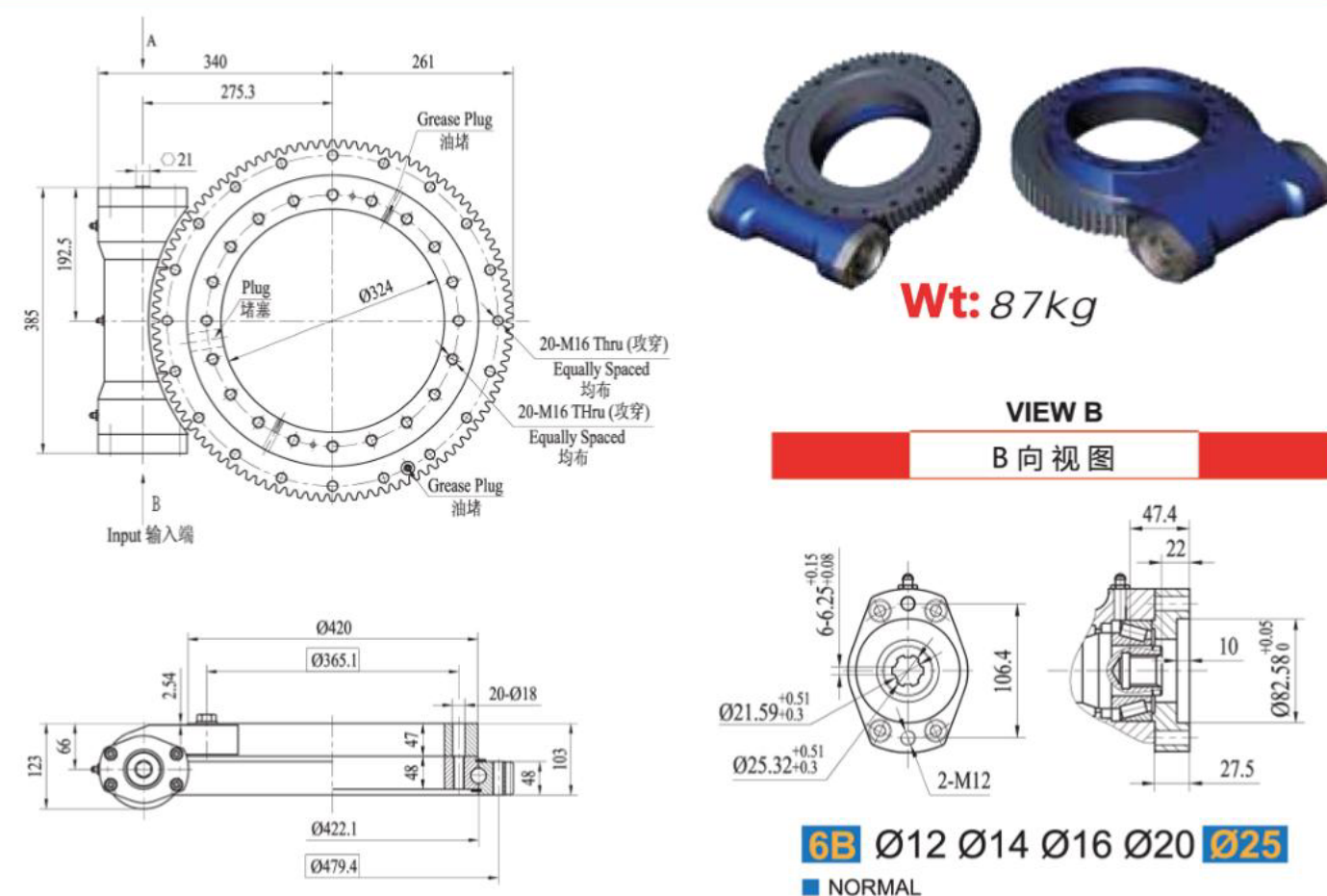
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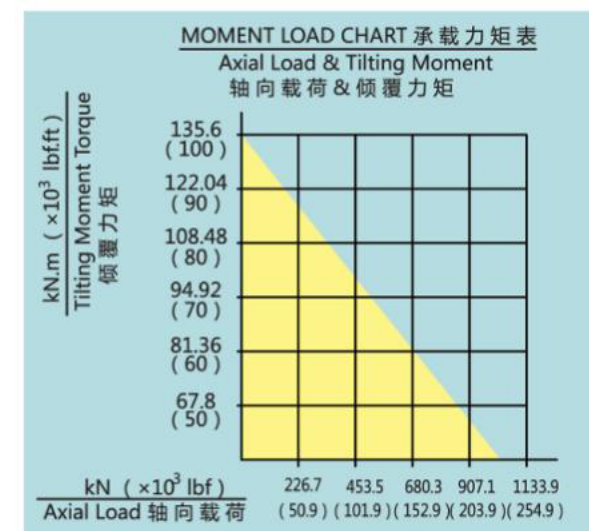
S17 | SLEWING DRIVE 回转驱动

Units (单位): mm
1 inch = 25.4 mm



S17 Slewing Drive Performance Parameters / 回转驱动性能参数表

Data 参数	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 型号										
S17	10 kN.m 7400 lbf.ft	135.6 kN.m 100×10 ³ lbf.ft	72.3 kN.m 53×10 ³ lbf.ft	970 kN 218×10 ³ lbf	390 kN 88×10 ³ lbf	235 kN 53×10 ³ lbf	205 kN 46×10 ³ lbf	102 : 1	≤ 0.15°	87kg



NOTICE 注意

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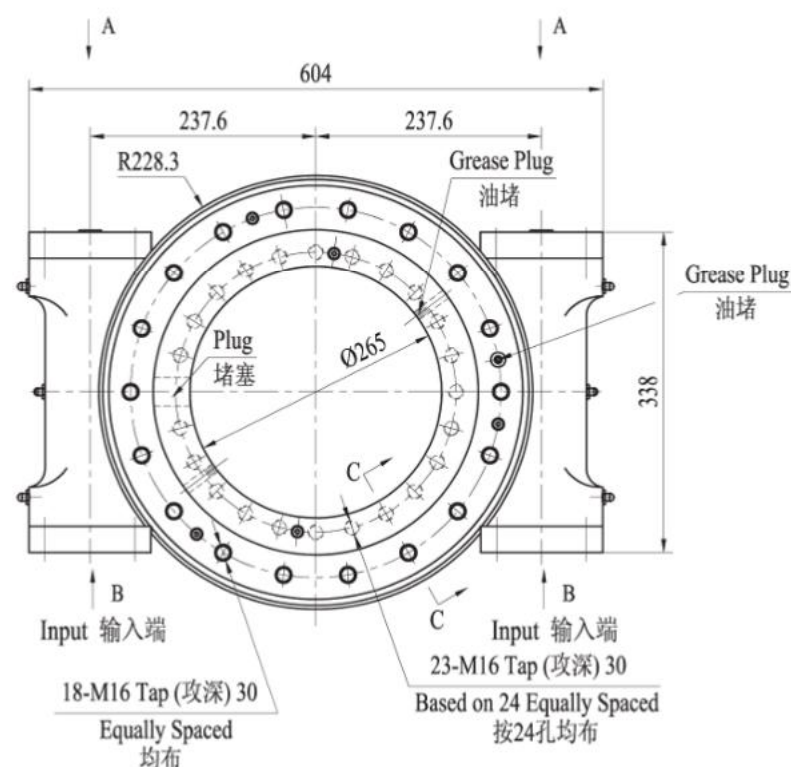
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SE14-2/S14-2

SLEWING DRIVE
回转驱动

Units (单位): mm

1 inch = 25.4 mm



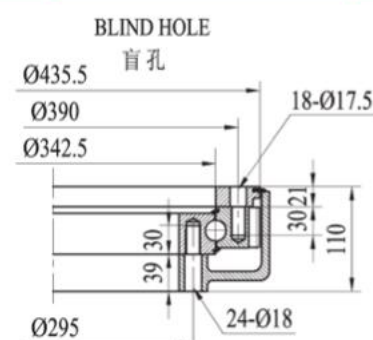
VIEW A OPTION

A 向选项

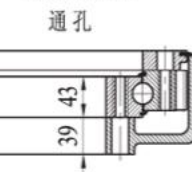
WITH HEX
带六角头

SECTION C

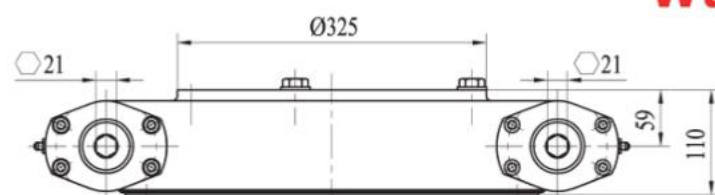
C 向剖视



THRU HOLE

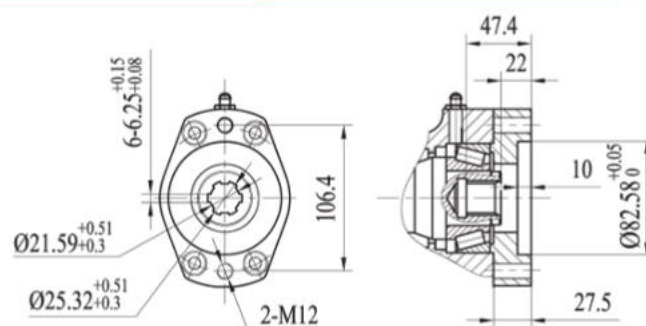
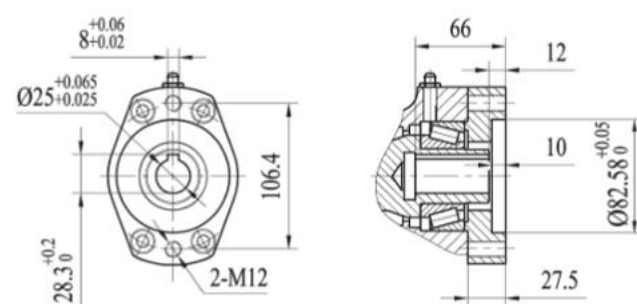


Wt: 76kg



VIEW B OPTION

B 向选项

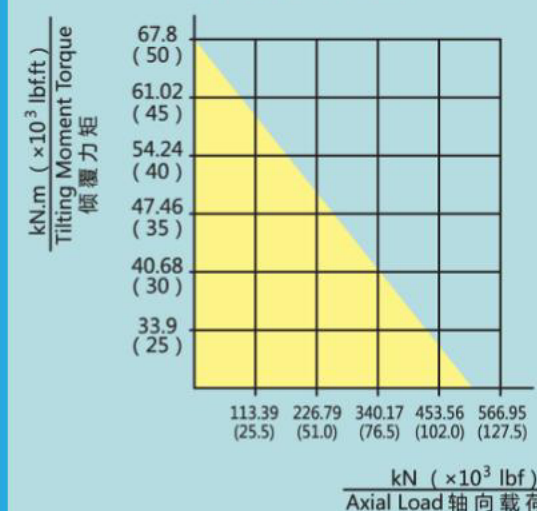


Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL

6B SPLINE
花键LDB[®] SLEWING DRIVESE14-2/S14-2 | Slewing Drive Performance Parameters
回转式减速器性能参数表

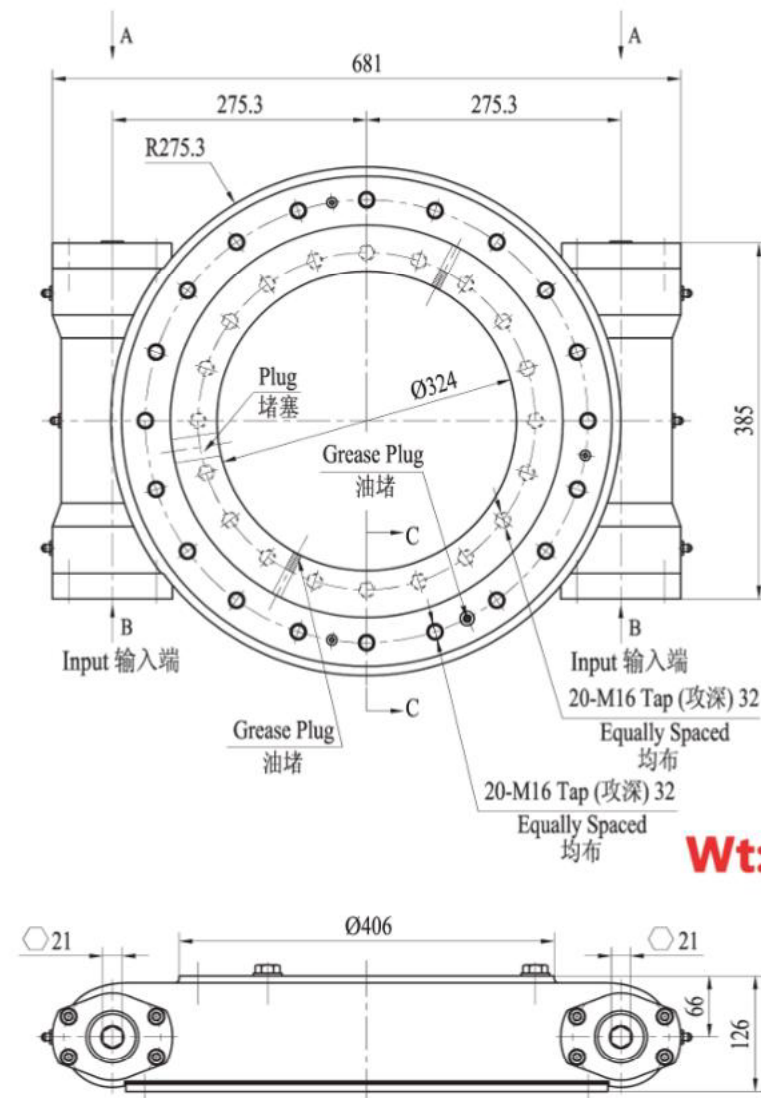
Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE14-2	12 kN.m 8851 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf.ft	222 kN 50×10 ³ lbf.ft	133 kN 30×10 ³ lbf.ft	117 kN 26×10 ³ lbf.ft	85 : 1	≤ 0.17°	76kg
S14-2	12 kN.m 8851 lbf.ft	67.8 kN.m 50×10 ³ lbf.ft	48 kN.m 35×10 ³ lbf.ft	555 kN 125×10 ³ lbf.ft	222 kN 50×10 ³ lbf.ft	133 kN 30×10 ³ lbf.ft	117 kN 26×10 ³ lbf.ft	85 : 1	≤ 0.17°	62kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

! NOTICE 注意

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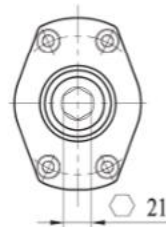
SE17-2/S17-2

SLEWING DRIVE
回转驱动Units (单位): mm
1 inch = 25.4 mm

Wt: 119kg

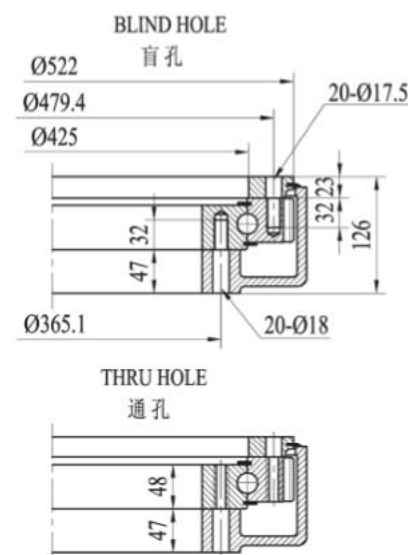
VIEW A OPTION

A 向选项

WITH HEX
带六角头

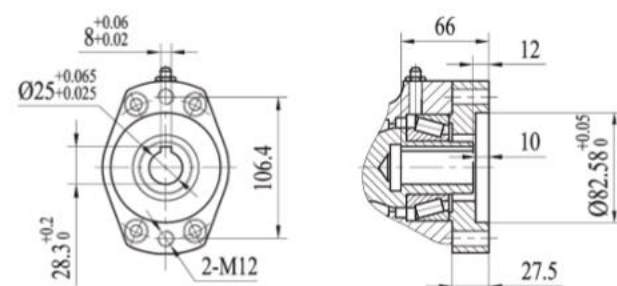
SECTION C

C 向剖视



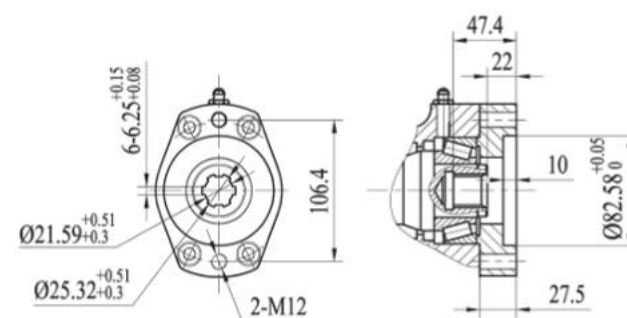
VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

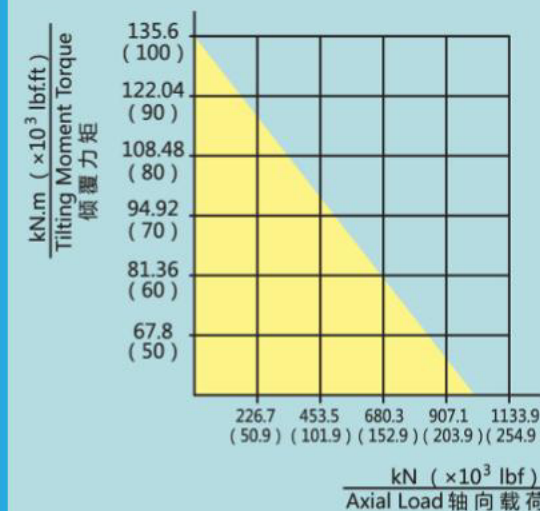
■ NORMAL

6B SPLINE
花键

LDB® SLEWING DRIVE

SE17-2/S17-2 | Slewing Drive Performance Parameters
回转式减速器性能参数表

Data 参数 Model 型号	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 轴向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE17-2	16.8 kN.m 12391 lbf.ft	135.6 kN.m 100×10 ³ lbf.ft	72.3 kN.m 53×10 ³ lbf.ft	970 kN 218×10 ³ lbf.ft	390 kN 88×10 ³ lbf.ft	235 kN 53×10 ³ lbf.ft	205 kN 46×10 ³ lbf.ft	102 : 1	≤ 0.15°	119kg
S17-2	16.8 kN.m 12391 lbf.ft	135.6 kN.m 100×10 ³ lbf.ft	72.3 kN.m 53×10 ³ lbf.ft	970 kN 218×10 ³ lbf.ft	390 kN 88×10 ³ lbf.ft	235 kN 53×10 ³ lbf.ft	205 kN 46×10 ³ lbf.ft	102 : 1	≤ 0.15°	102kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩

NOTICE 注意

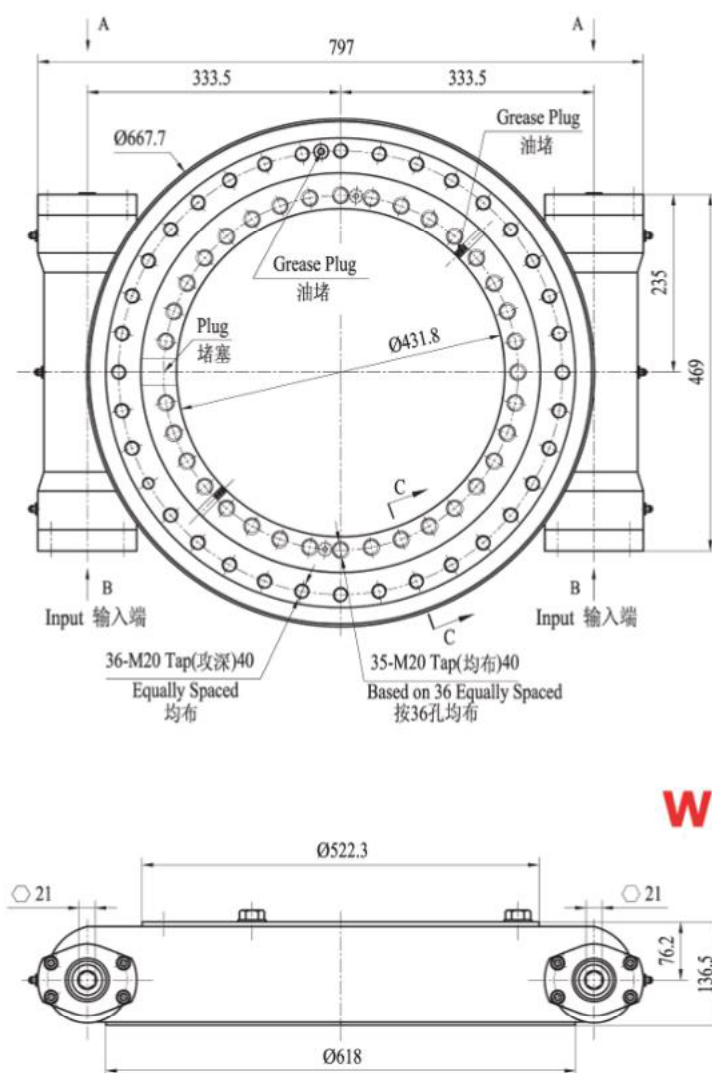
▲ PLEASE BE SURE TO REMAIN UNDER THIS CURVE
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SLEWING DRIVE 回转驱动

Units (単位): mm
1 inch = 25.4 mm



Wt: 161kg

[VIEW A OPTION](#)

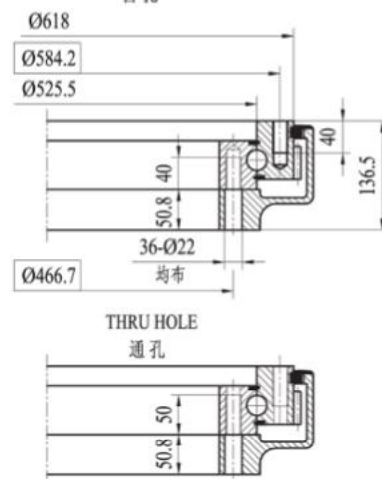
A 向选项

WITH HEX
帶六角頭

SECTION C

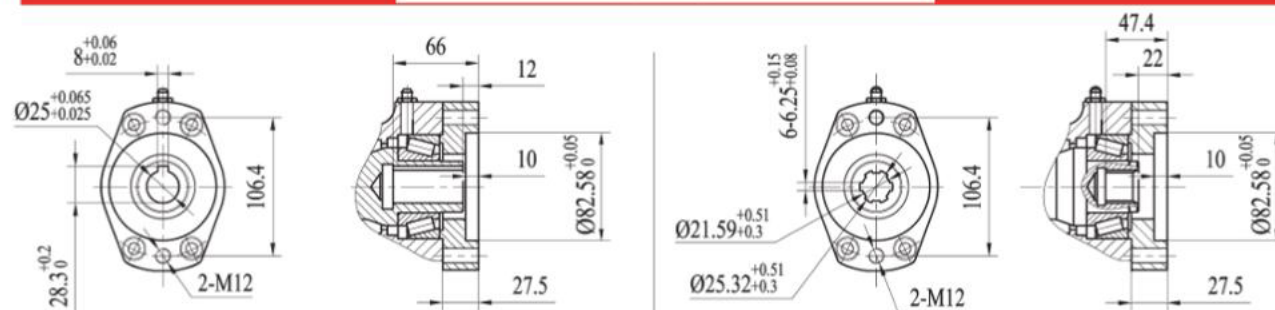
C 向剖视

BLIND HOLE
盲孔



VIEW B OPTION

B 向选项

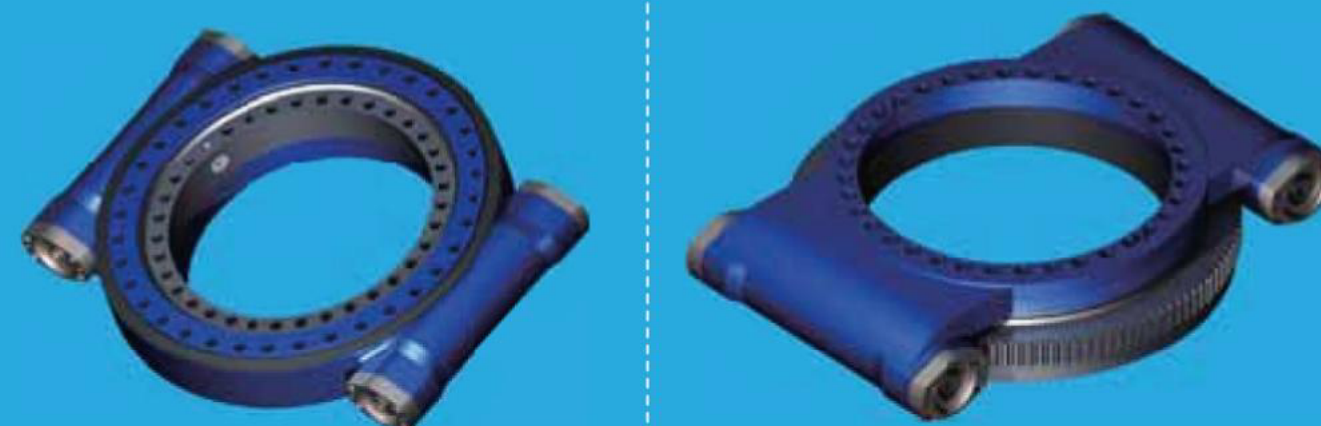


Ø12 Ø14 Ø16 Ø20 **Ø25**

■ NORMAL

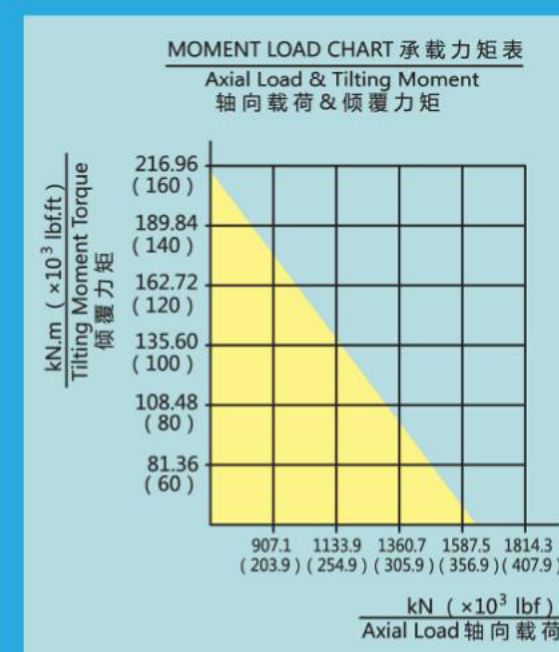
6B SPLINE 花键

LDB[®] SLEWING DRIVE



SE21-2/S21-2 | Slewing Drive Performance Parameters 回转式减速器性能参数表

Model 型号	Data 参数	Out Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SE21-2		20.6 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	≤ 0.15°	161kg
		15194 lbf.ft	150×10 ³ lbf.ft	78×10 ³ lbf.ft	359×10 ³ lbf.ft	144×10 ³ lbf.ft	87×10 ³ lbf.ft	75×10 ³ lbf.ft			
S21-2		20.6 kN.m	203 kN.m	105.8 kN.m	1598 kN	640 kN	385 kN	335 kN	125 : 1	≤ 0.15°	143kg
		15194 lbf.ft	150×10 ³ lbf.ft	78×10 ³ lbf.ft	359×10 ³ lbf.ft	144×10 ³ lbf.ft	87×10 ³ lbf.ft	75×10 ³ lbf.ft			



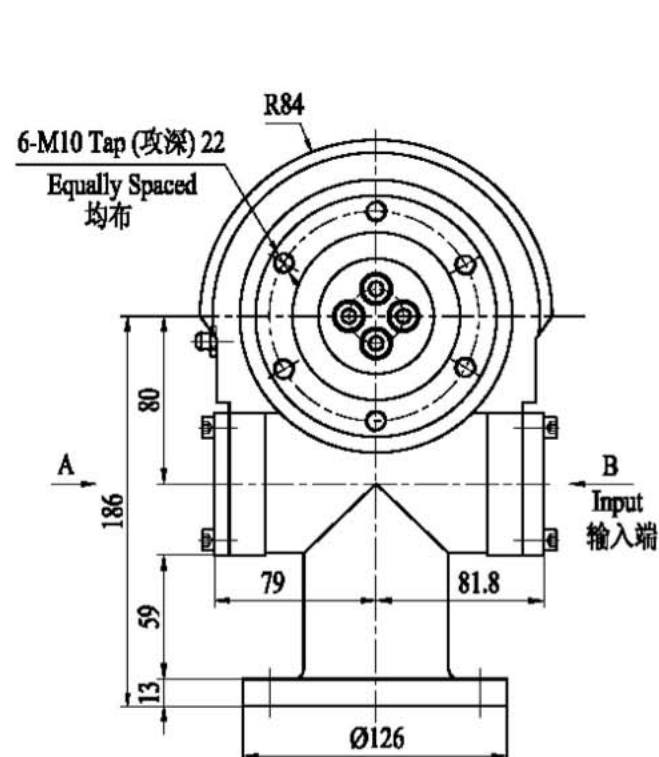
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6B SPLINE 花 键

VE3/PVE3 | SLEWING DRIVE 回转式减速器

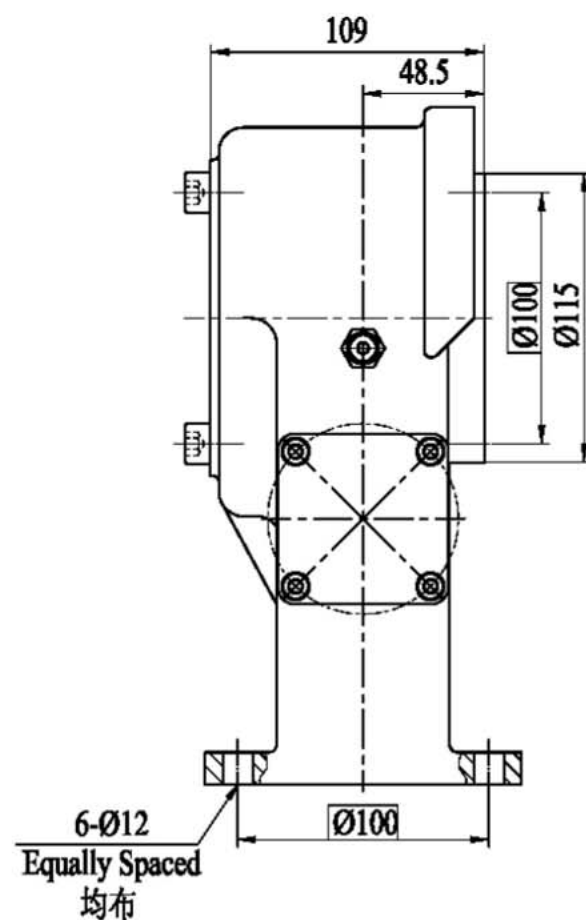
Units (单位): mm
1 inch = 25.4 mm



Wt: 17kg

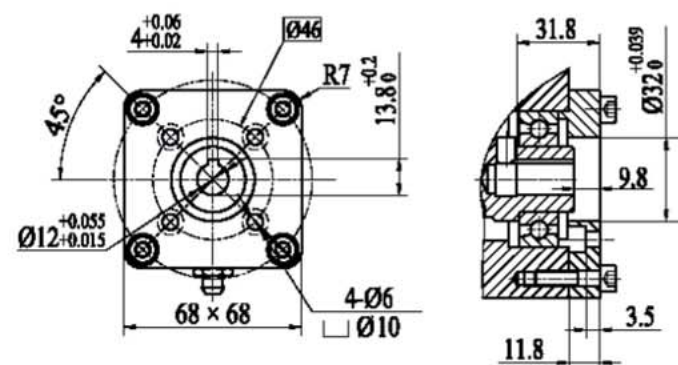
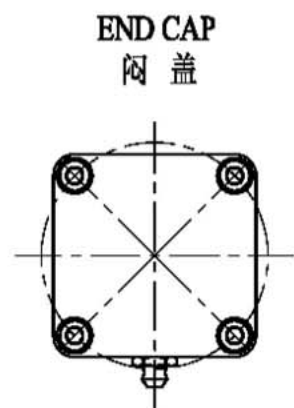
VIEW A

A 向视图



VIEW B

B 向视图



"A" VIEW AS INPUT IS AVAILABLE
输入端允许在"A"向视图

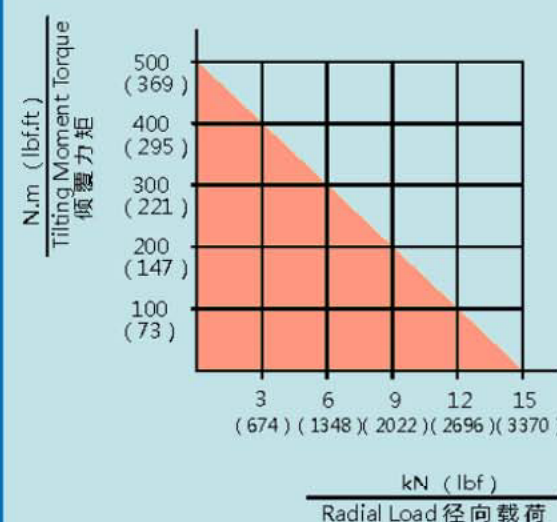
CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计



VE3/PVE3 | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data Model 参数 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
VE3	400 N.m 295 lbf.ft	500 N.m 369 lbf.ft	2000 N.m 1475 lbf.ft	30 kN 6744 lbf	15 kN 3372 lbf	9.6 kN 2158 lbf	8.4 kN 1888 lbf	62 : 1	≤ 0.2°	17kg
PVE3	400 N.m 295 lbf.ft	500 N.m 369 lbf.ft	2000 N.m 1475 lbf.ft	30 kN 6744 lbf	15 kN 3372 lbf	9.6 kN 2158 lbf	8.4 kN 1888 lbf	62 : 1	I : ≤ 0.08° II : ≤ 0.12° III : ≤ 0.15°	17kg

MOMENT LOAD CHART 承载力矩表
Radial Load & Tilting Moment
径向载荷 & 倾覆力矩

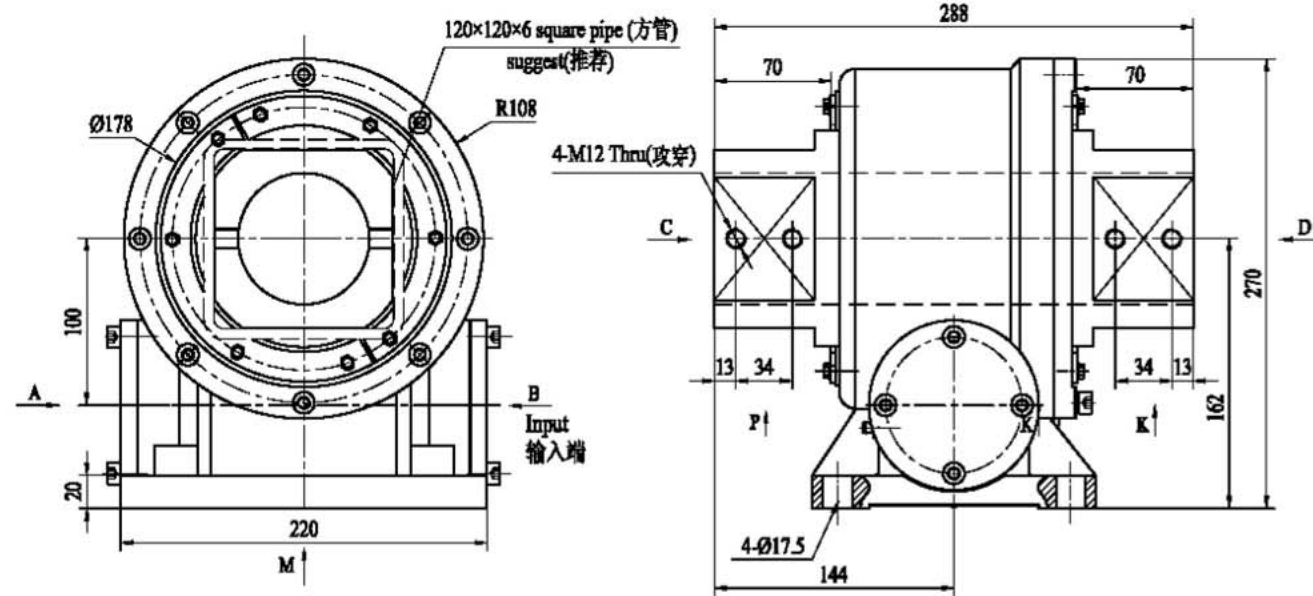


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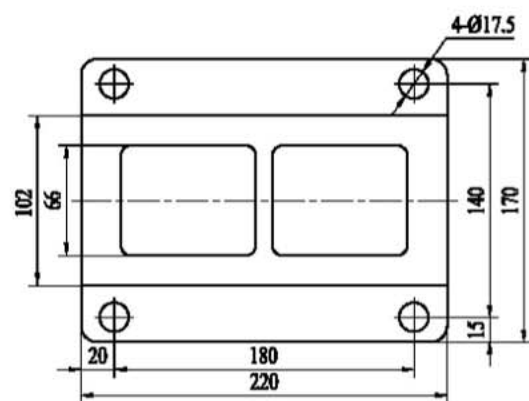


VIEW M

M 向视图

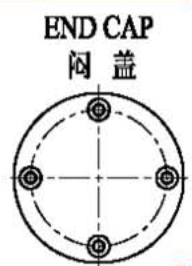
VIEW B

B 向视图

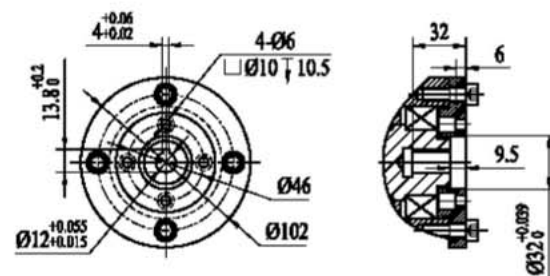


VIEW A

A 向视图

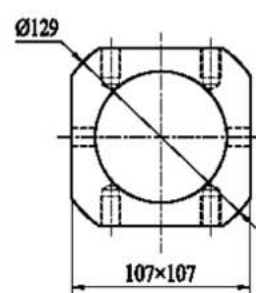


Wt: 45kg



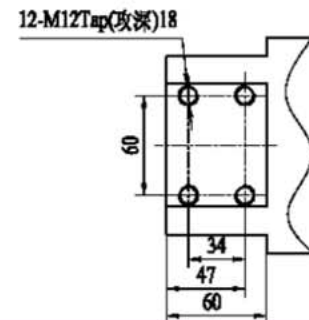
VIEW C & D

C、D 向视图



VIEW P & K

P、K向视图



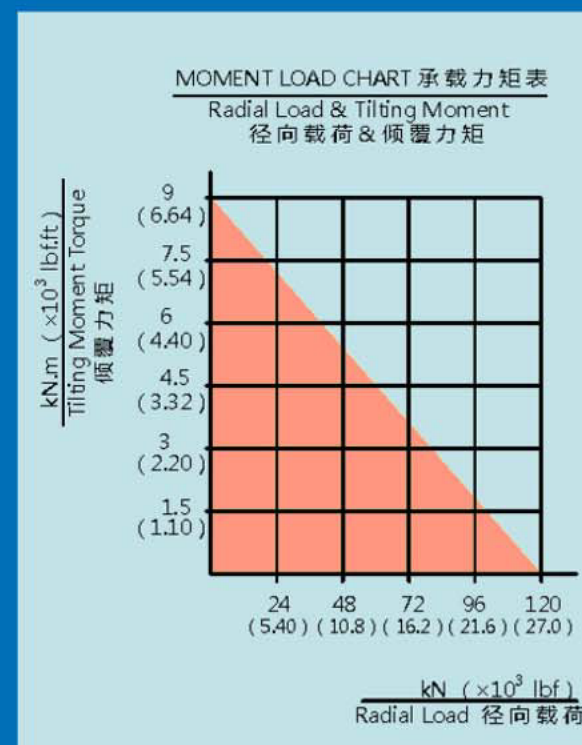
"A" VIEW AS INPUT IS AVAILABLE
输入端允许在"A"向视图

CUSTOMIZED UPON REQUESTS
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VE6 | Slewing Drive Performance Parameters 回转式减速器性能参数表

Model 类型	Data 参数	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
VE6		2000 N.m	9 kN.m	10000 N.m	60 kN	120 kN	14.4 kN	63 kN	30 : 1	≤ 0.17°	45kg
		1480 lbf.ft	6642 lbf.ft	7375 lbf.ft	13488.7 lbf	26977.4 lbf	3237.1 lbf	14162.4 lbf			

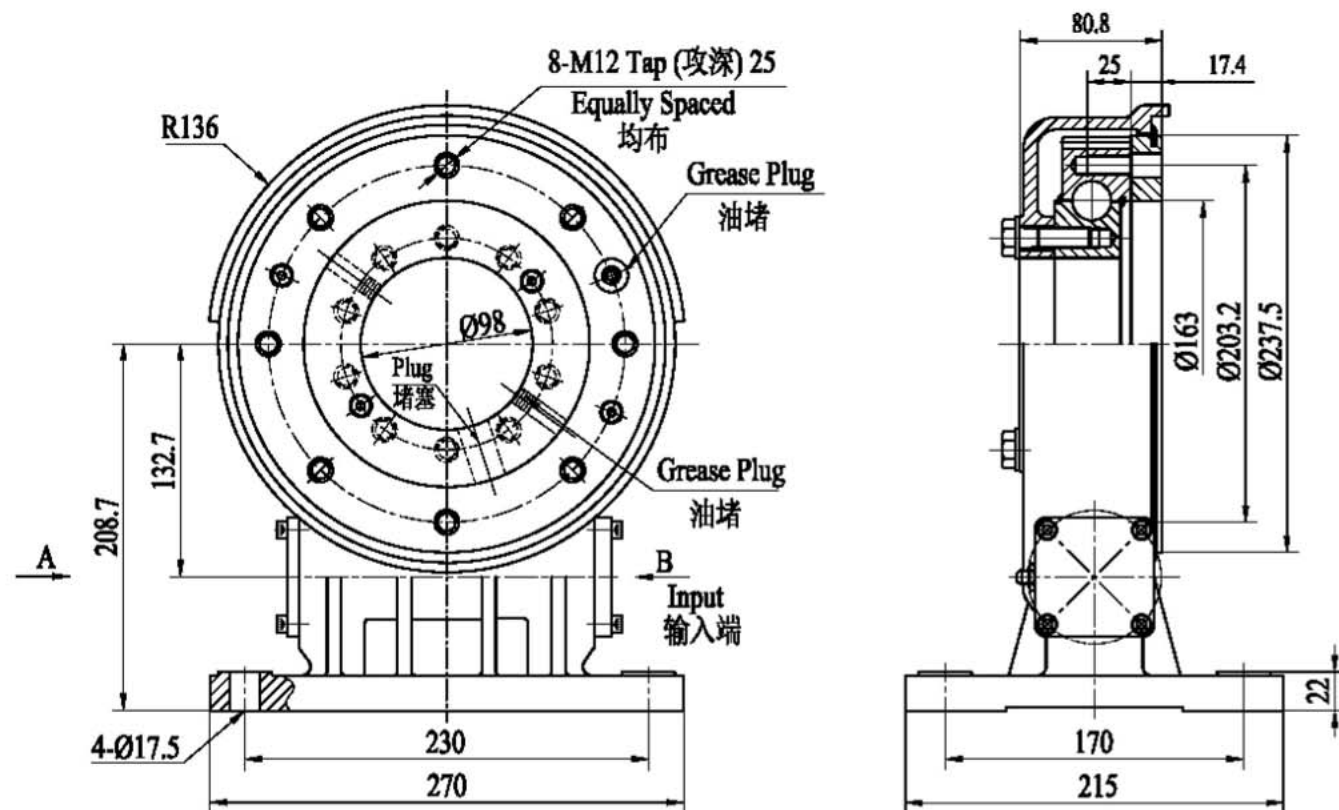


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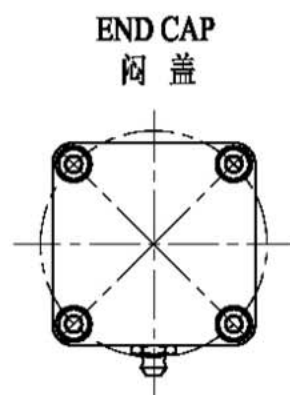
VE7/PVE7 | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm

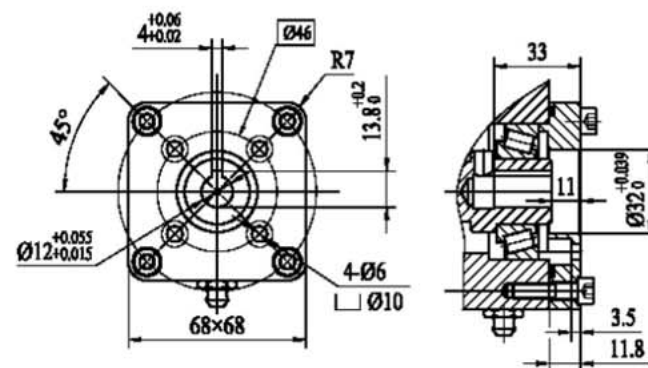


Wt: 37kg

VIEW A
A 向视图



VIEW B
B 向视图

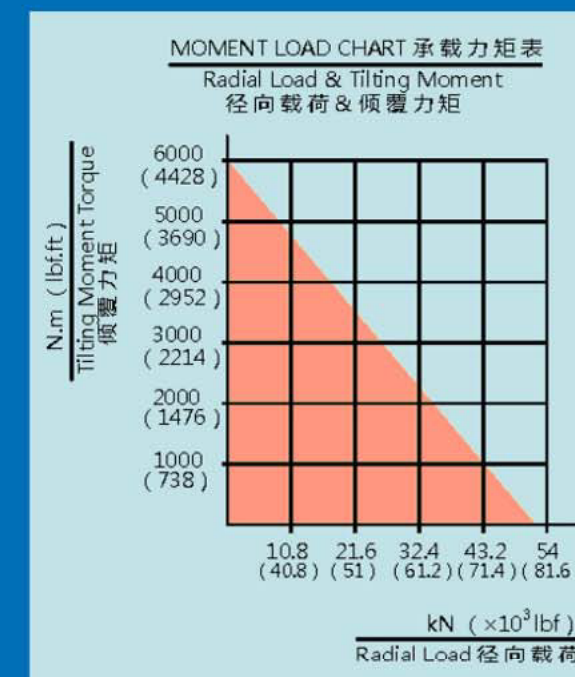


"A" VIEW AS INPUT IS AVAILABLE
输入端允许在"A"向视图

CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计

VE7/PVE7 | Slew Drive Performance Parameters 回转式减速器性能参数表

Data Model 参数 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
VE7	1500 N.m 1107 lbf.ft	6000 N.m 4425 lbf.ft	10400 N.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	32 kN 7194 lbf	28 kN 6295 lbf	73 : 1	≤ 0.2°	37kg
PVE7	1500 N.m 1107 lbf.ft	6000 N.m 4425 lbf.ft	10400 N.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	32 kN 7194 lbf	28 kN 6295 lbf	73 : 1	I : ≤ 0.05° II : ≤ 0.07° III : ≤ 0.11°	37kg



NOTICE 注意

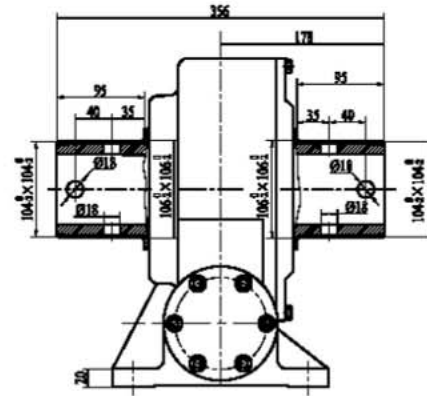
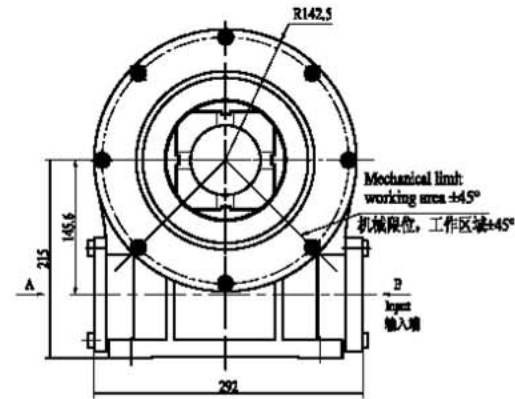
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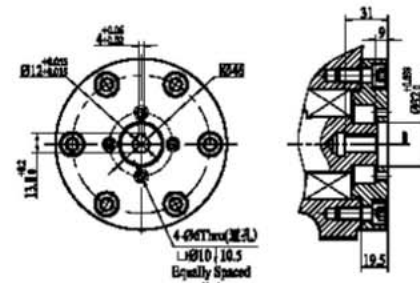
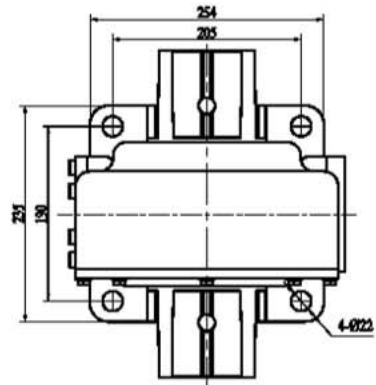
VE7B | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm



VIEW B OPTION

B 向选项



Wt: 65kg



Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数	Output Torque 输出转矩	Holding Torque 保持力矩	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 类型	5 kN.m	31 kN.m	48 : 1	≤ 0.2°	65kg
VE7B	1890 lbf.ft	228.78 lbf.ft			

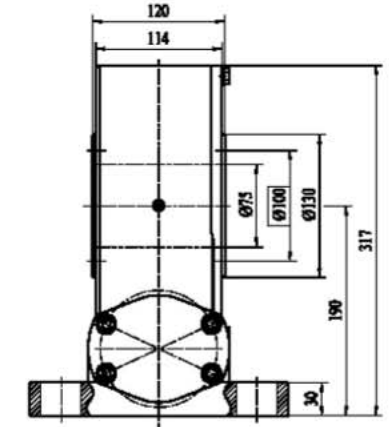
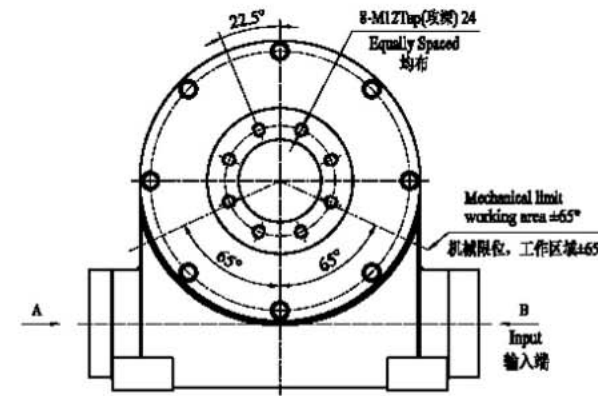
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A VIEW AS INPUT IS AVAILABLE
输入端允许在“A”向视图

CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计

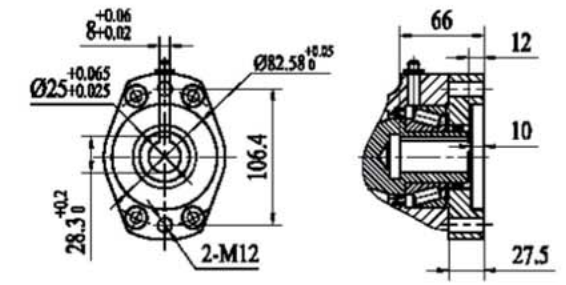
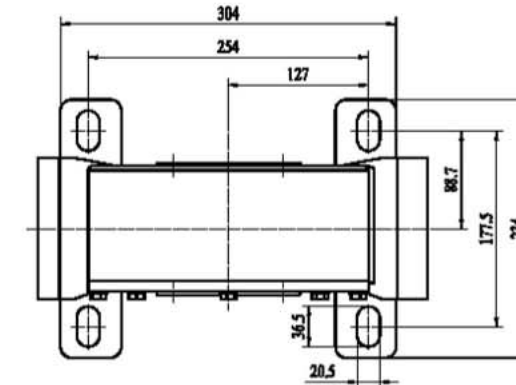
VE7C | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm



VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

NORMAL

Wt: 52.5kg



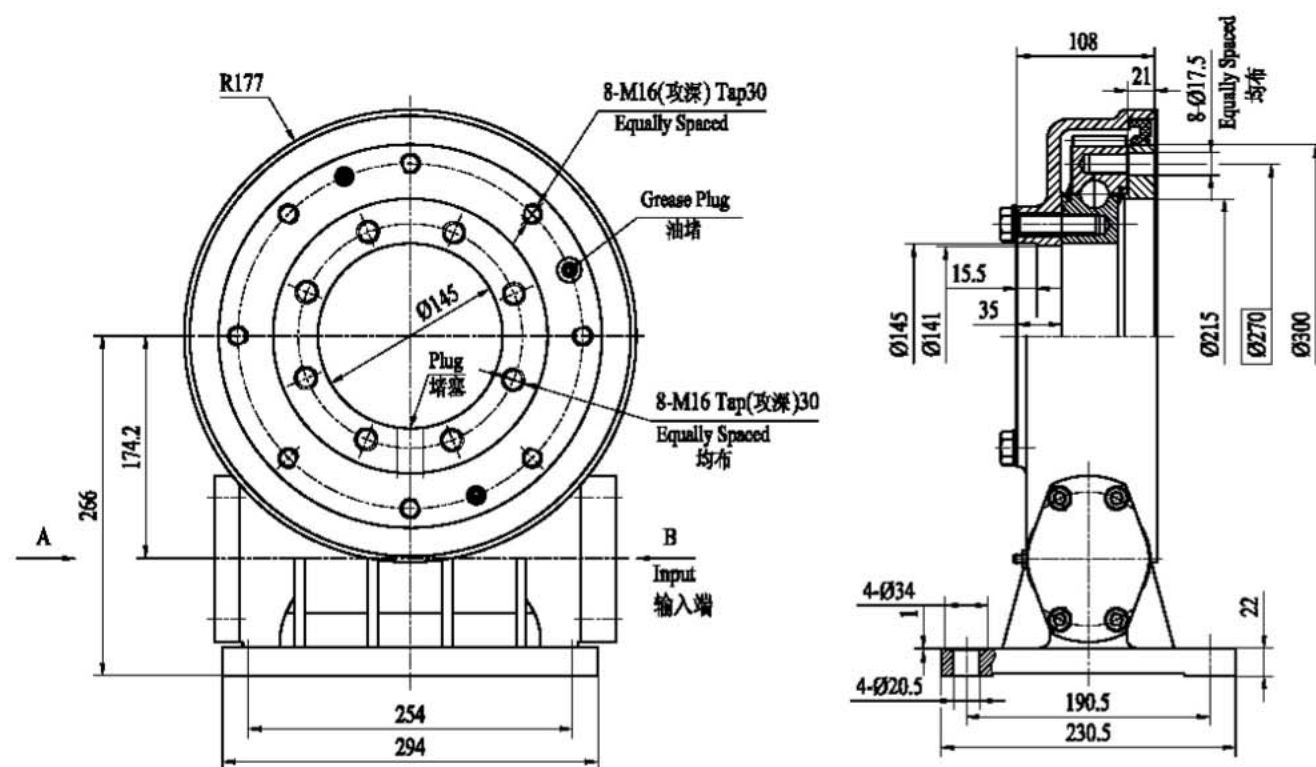
Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数	Output Torque 输出转矩	Holding Torque 保持力矩	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
Model 类型	4.48 kN.m	27.23 kN.m	42 : 1	≤ 0.2°	52.5kg
VE7C	3306.24 lbf.ft	20095.74 lbf.ft			

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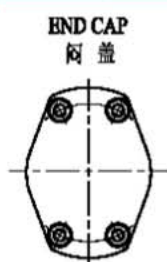
VE9A/PVE9A | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm



VIEW A OPTION

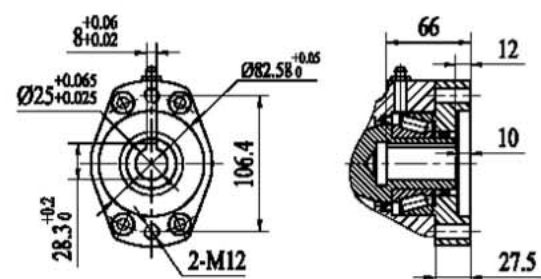
A 向选项



Wt: 58kg

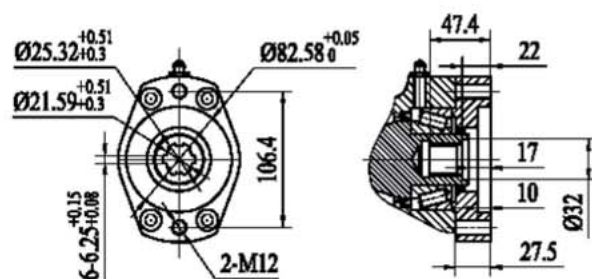
VIEW B OPTION

B 向选项



Ø12 Ø14 Ø16 Ø20 Ø25

■ NORMAL



6B SPLINE
花键

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输入端允许在“A”向视图

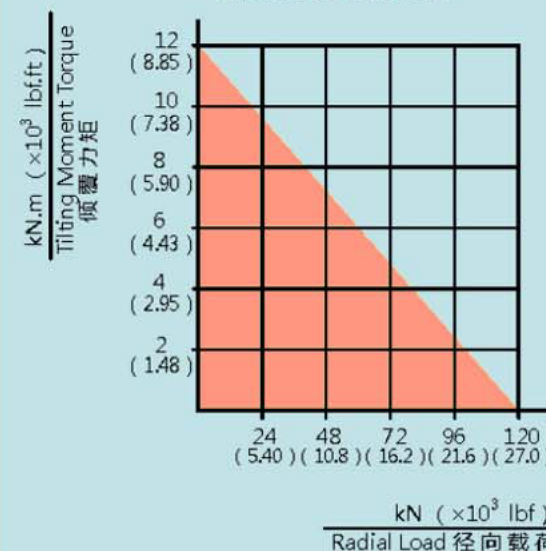
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可根据顾客的要求进行非标设计



VE9A/PVE9A | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
VE9A	6.5 kN.m 4794 lbf.ft	12 kN.m 8851 lbf.ft	12 kN.m 8851 lbf.ft	338 kN 76 × 10 ³ lbf	120 kN 27 × 10 ³ lbf	81 kN 18 × 10 ³ lbf	61 kN 14 × 10 ³ lbf	61 : 1	≤ 0.17°	58kg
PVE9A	6.5 kN.m 4794 lbf.ft	12 kN.m 8851 lbf.ft	12 kN.m 8851 lbf.ft	338 kN 76 × 10 ³ lbf	120 kN 27 × 10 ³ lbf	81 kN 18 × 10 ³ lbf	61 kN 14 × 10 ³ lbf	61 : 1	I : ≤ 0.05° II : ≤ 0.07° III : ≤ 0.09°	58kg

MOMENT LOAD CHART 承载力矩表
Radial Load & Tilting Moment
径向载荷 & 倾覆力矩



NOTICE 注意

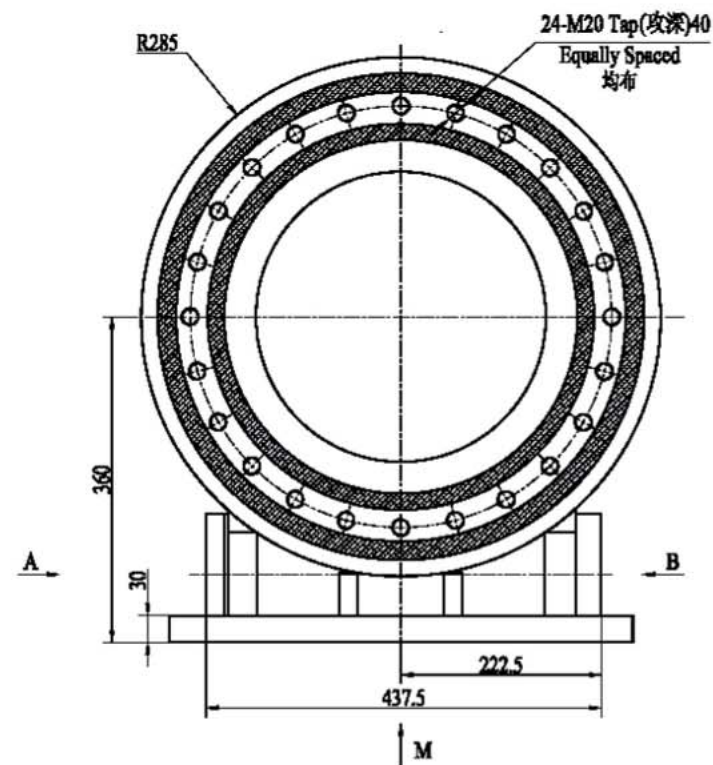
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SLEWING DRIVE 回转式减速器

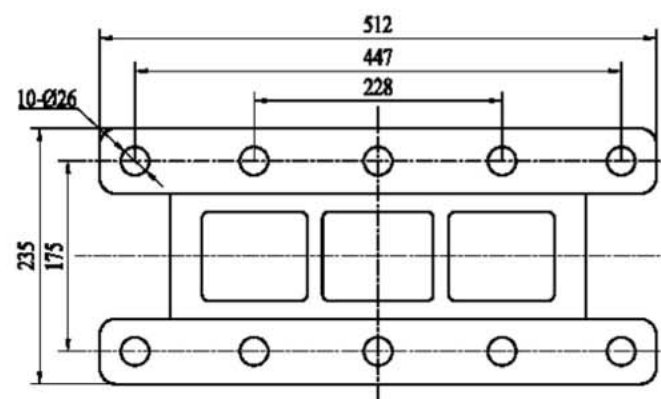
1 inch = 25.4 mm



A 向选项



M 向选项



CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计



Model 类型	Data 参数	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
VE17		20 kN.m	65 kN.m	75 kN.m	50 kN	120 kN	81 : 1	≦ 0.15°	150kg
		14.76 × 10 ³ lbf.ft	47.97 × 10 ³ lbf.ft	55.35 × 10 ³ lbf.ft	11.2 × 10 ³ lbf	26.98 × 10 ³ lbf			
PVE17		20 kN.m	65 kN.m	75 kN.m	50 kN	120 kN	81 : 1	I : ≦ 0.06° II : ≦ 0.07° III : ≦ 0.09°	150kg
		14.76 × 10 ³ lbf.ft	47.97 × 10 ³ lbf.ft	55.35 × 10 ³ lbf.ft	11.2 × 10 ³ lbf	26.98 × 10 ³ lbf			

kN.m ($\times 10^3$ lbf.ft)



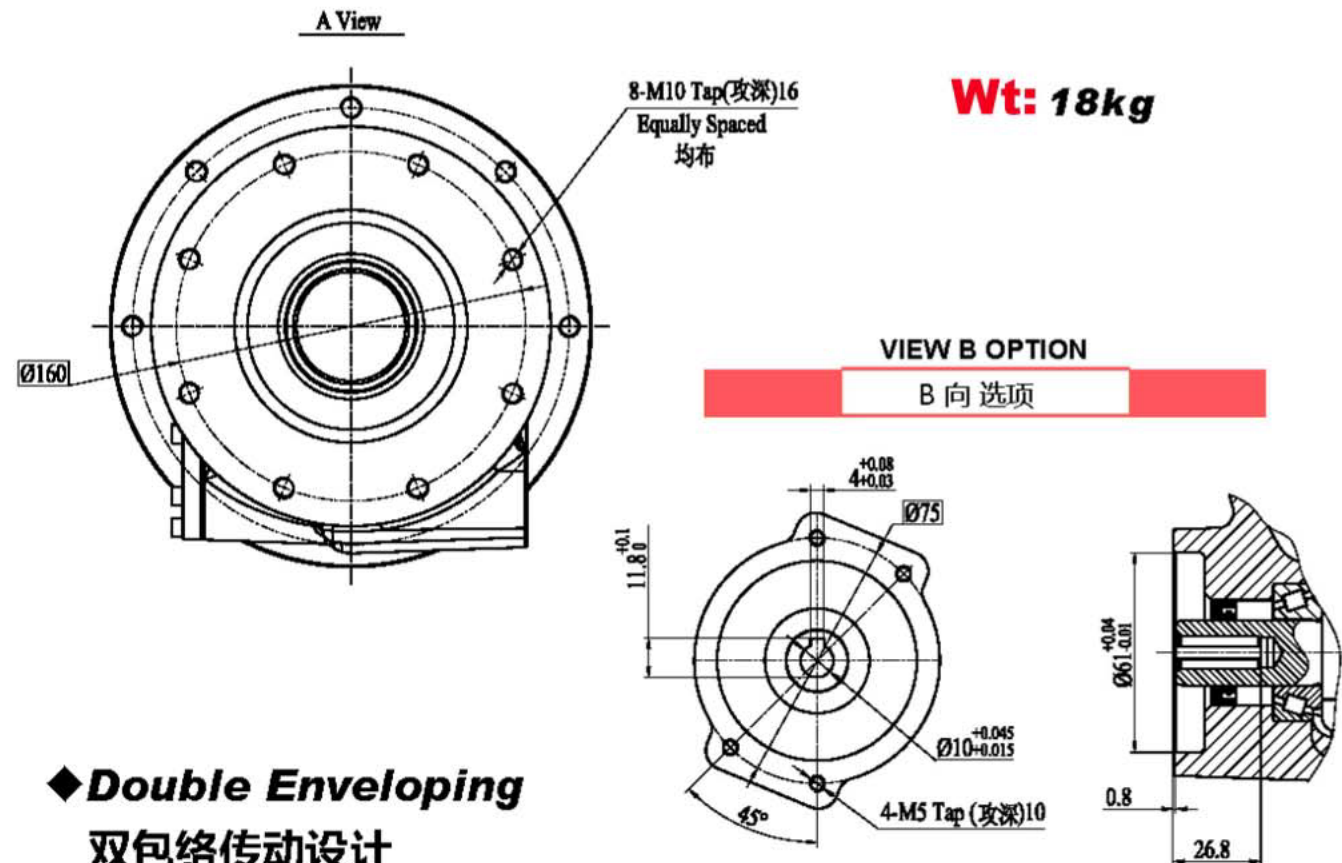
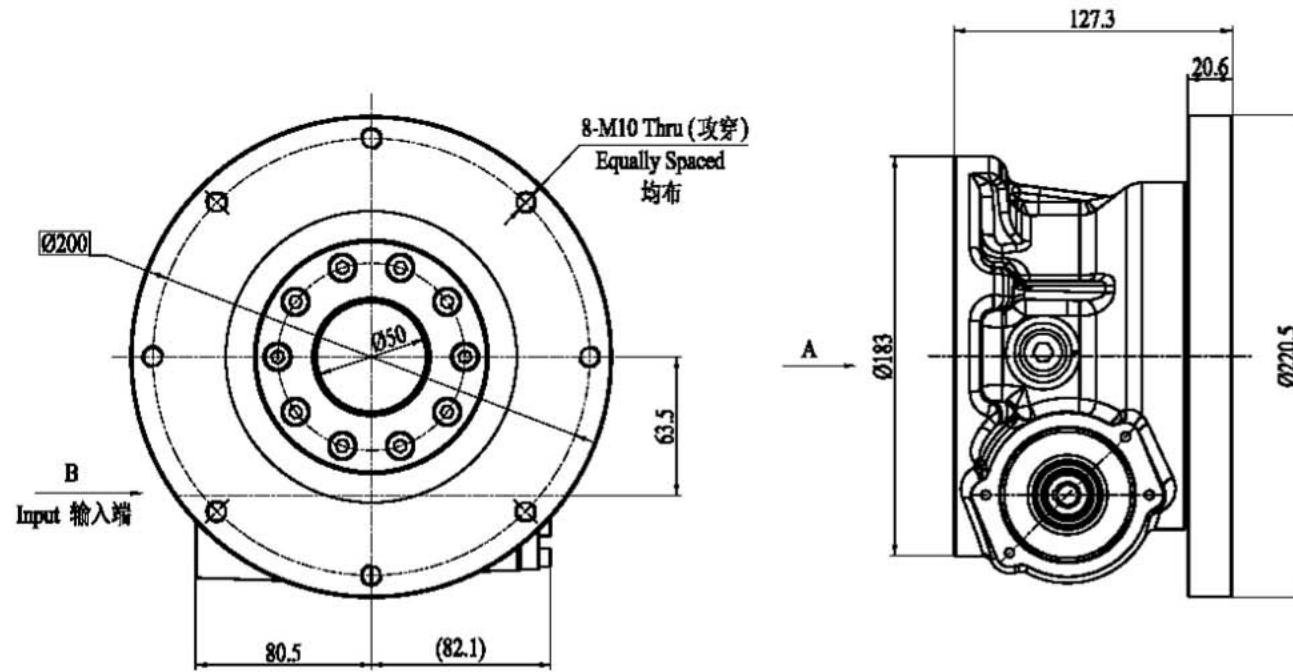
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AD63 | WORM DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm



◆ Double Enveloping 双包络传动设计

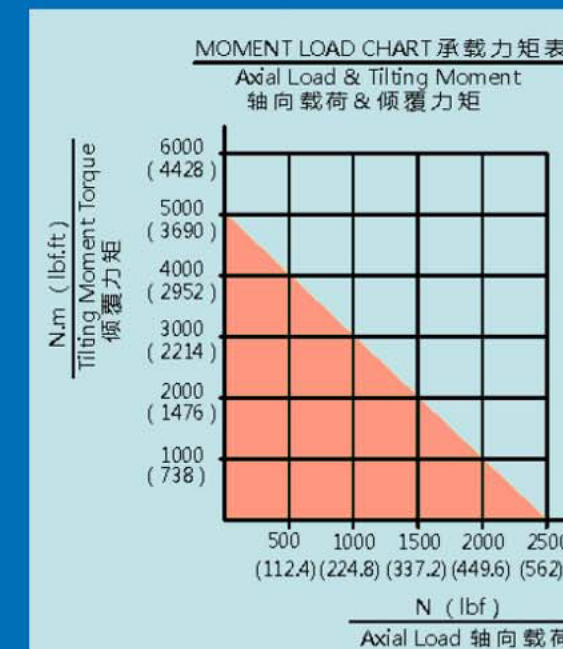
CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计



AD63 | Worm Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 类型	Output Torque 输出转矩	Output Torque (Max) 最大输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
AD63	300 N.m 221.4 lbf.ft	600 N.m 442.8 lbf.ft	5000 N.m 3690 lbf.ft	3000 N.m 2214 lbf.ft	2500 N 562 lbf	60 : 1	$\leq 0.07^\circ$	18kg

Greater Torque, Better Durability, Higher Shock Load Capacity, Downsize to Save Space, Higher Precision
更大的输出转矩 | 耐久更卓越 | 冲击载荷更强 | 节约空间尺寸 | 传动精度更高

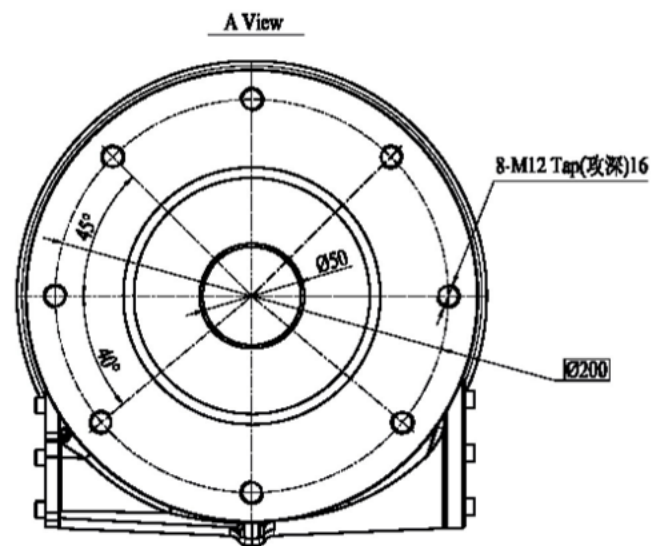
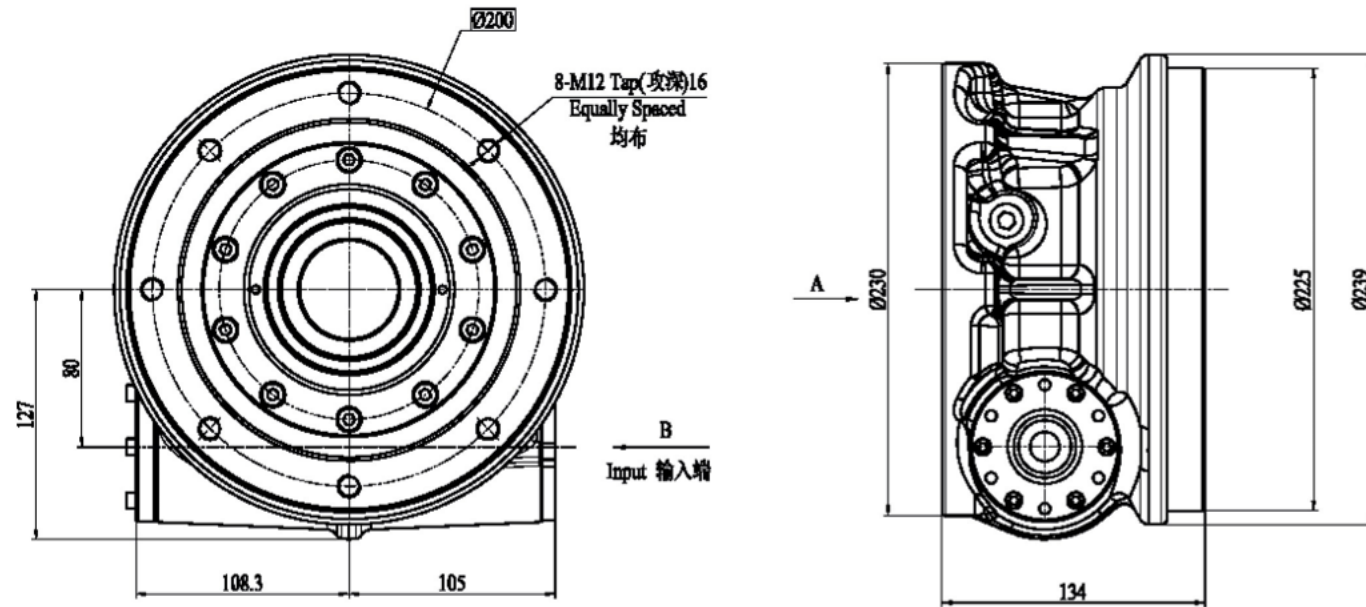


NOTICE 注意

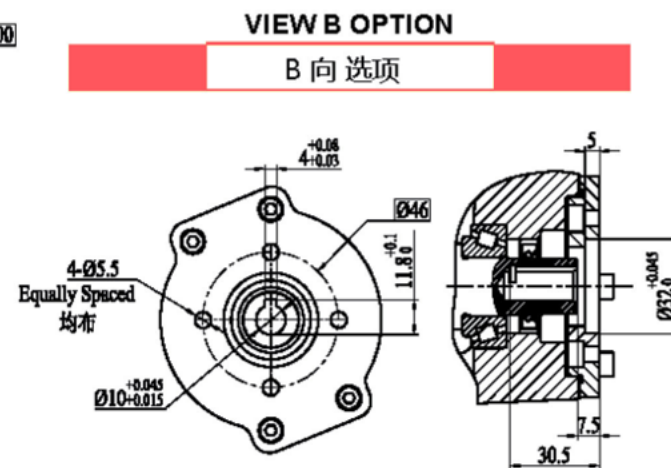
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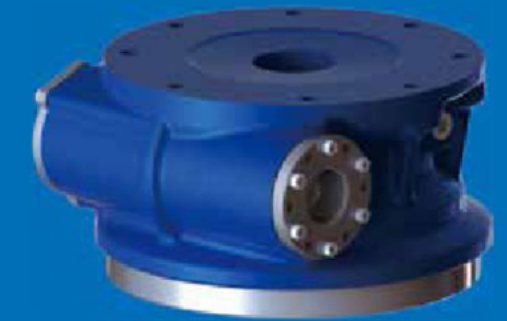


Wt: 22.5kg



◆ *Double Enveloping* 双包络传动设计

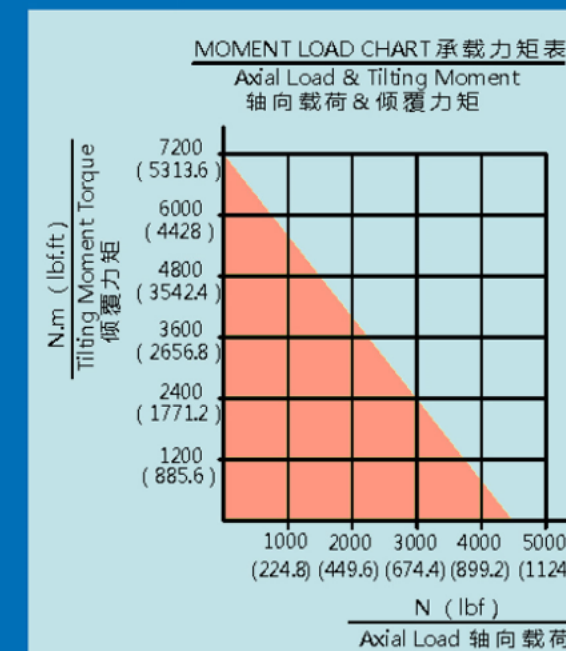
CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计



AD80 | Worm Drive Performance Parameters

Model 类型	Data 参数	Output Torque 输出转矩	Output Torque (Max) 最大输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
AD80		380 N.m	700 N.m	7000 N.m	4000 N.m	4500 N	60 : 1	≤ 0.07°	22.5 kg
		280.4 lbf.ft	516.6 lbf.ft	5166 lbf.ft	2952 lbf.ft	1011.6 lbf			

Greater Torque, Better Durability, Higher Shock Load Capacity, Downsize to Save Space, Higher Precision
更大的输出转矩 | 耐久更卓越 | 冲击载荷更强 | 节约空间尺寸 | 传动精度更高

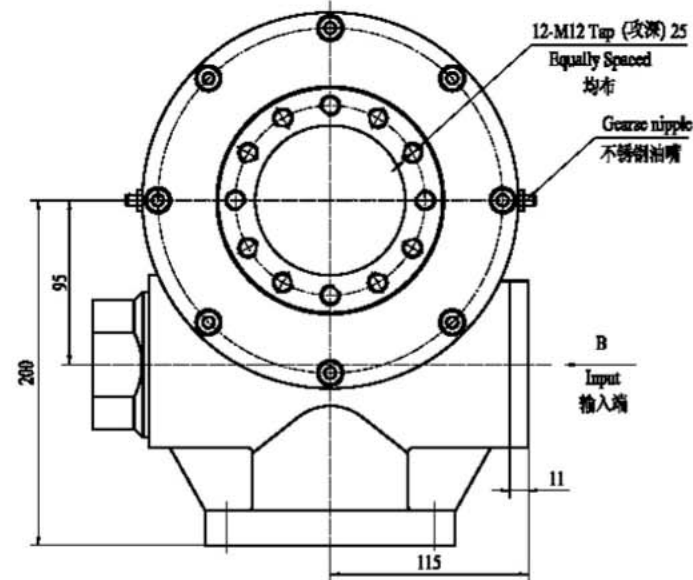
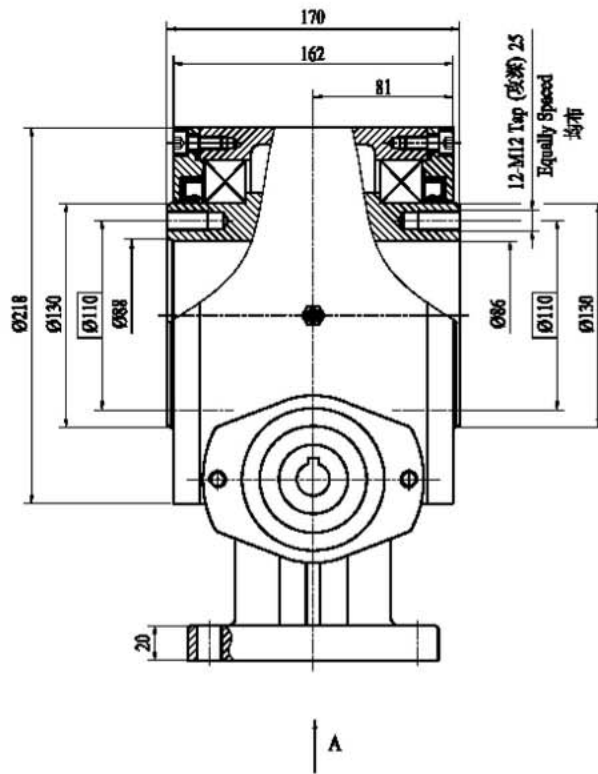


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WVP5 | WORM DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm



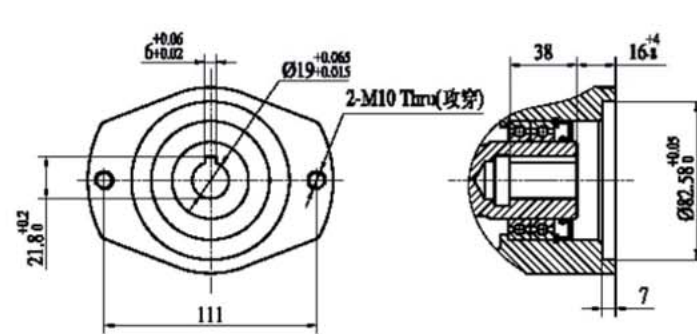
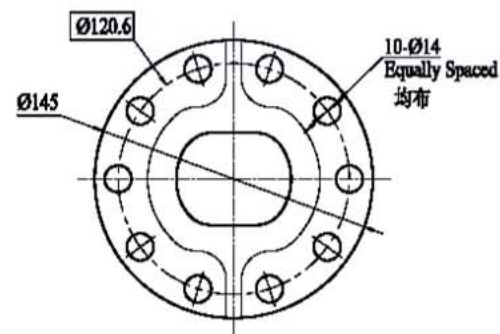
Wt: 32.5kg

VIEW A

A 向视图

VIEW B

B 向视图



Ø12 Ø14 Ø16 Ø20 Ø25

NORMAL

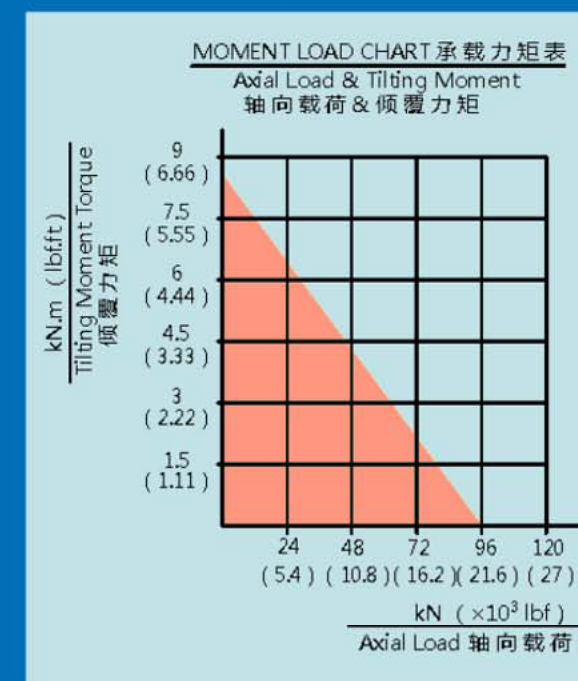
A VIEW AS INPUT IS AVAILABLE
输入端允许在“A”向视图

CUSTOMIZED UPON REQUESTS
可根据顾客的要求进行非标设计



WVP5 | Worm Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
WVP5	2000 N.m 1476 lbf.ft	10 kN.m 7380 lbf.ft	9000 N.m 6642 lbf.ft	60 kN 13488 lbf	120 kN 26976 lbf	28 : 1	≤ 0.05°	32.5kg



NOTICE 注意

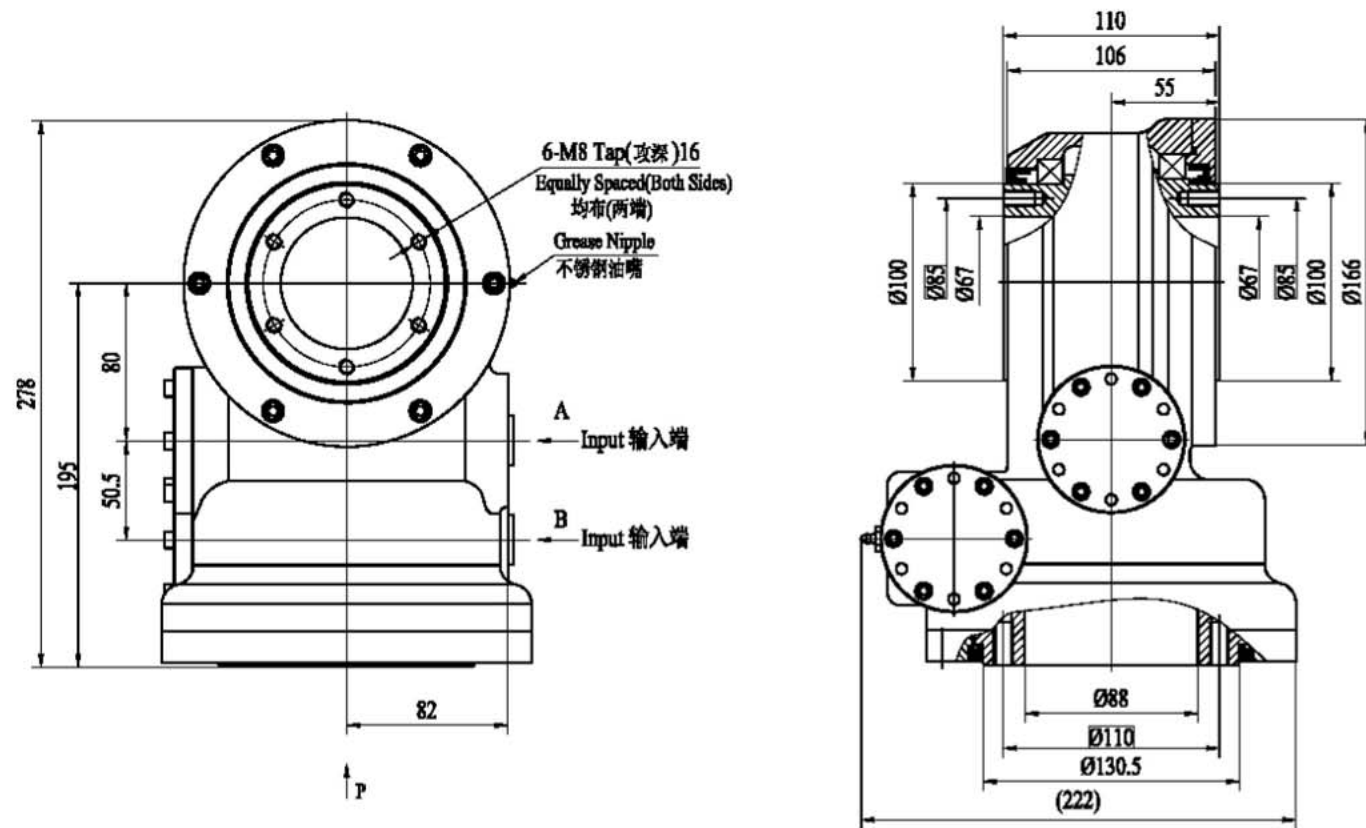
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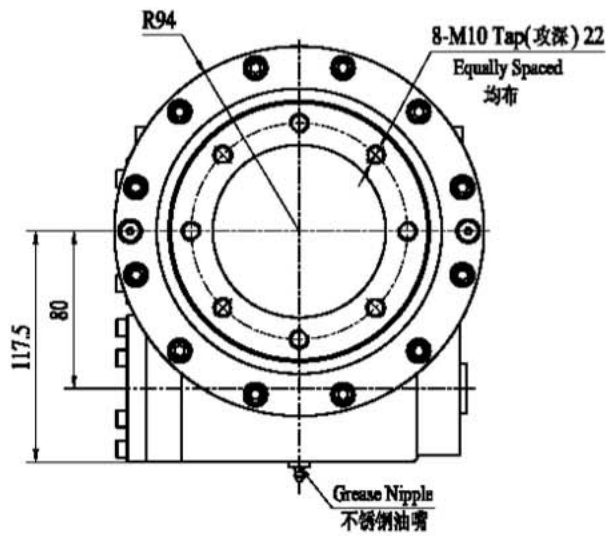
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WDE3 | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm

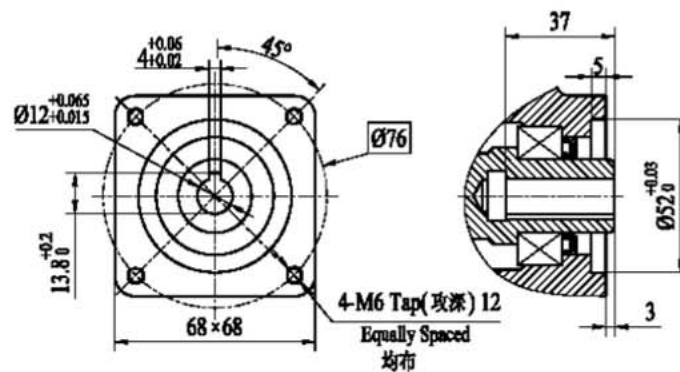


P View
P 向



Wt: 26kg

VIEW A&B OPTION
A&B 向视图



"A" & "D" VIEW AS INPUT IS AVAILABLE
输入端允许在"A" & "D"向视图

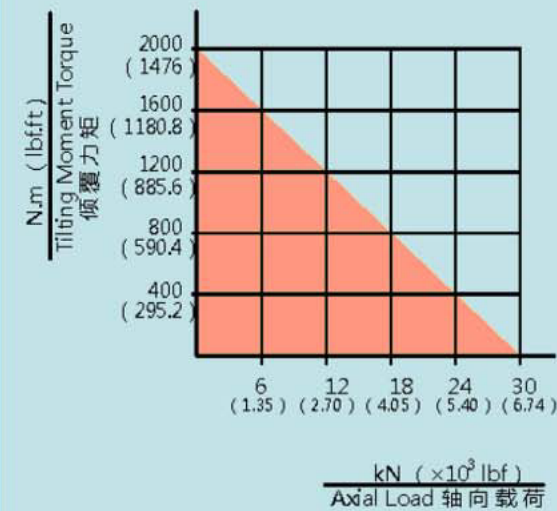
CUSTOMIZED ACCORDING TO REQUESTS
可根据顾客的要求进行非标设计



WDE3 | Worm Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
WDE3	400 N.m 295 lbf.ft	2000 N.m 1475 lbf.ft	2000 N.m 1475 lbf.ft	30 kN 6744 lbf	15 kN 3372 lbf	62 : 1	≤ 0.1°	26kg

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



NOTICE 注意

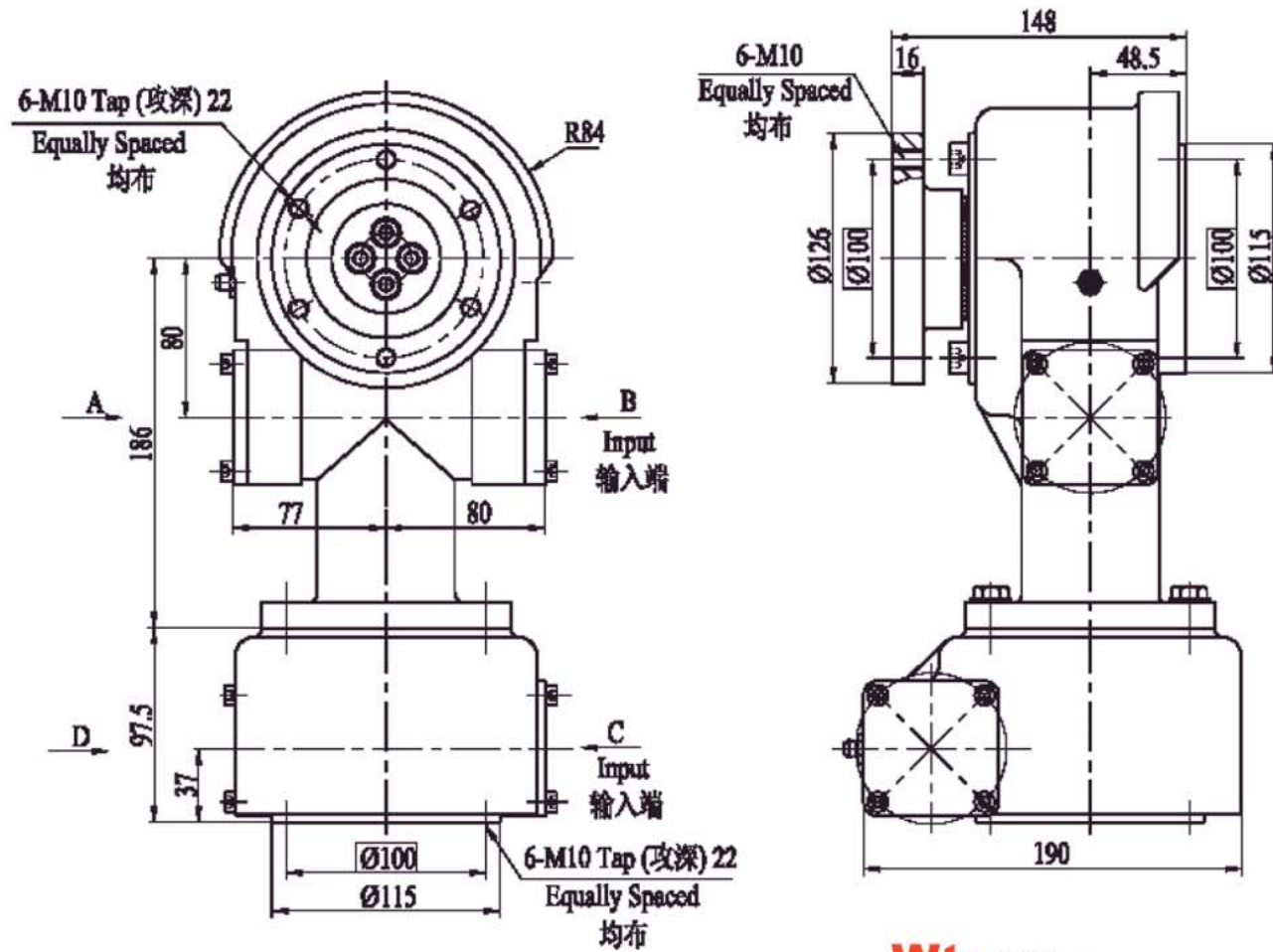
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SDE3/PDE3 | SLEWING DRIVE 回转式减速器

Units (单位): mm
1 inch = 25.4 mm

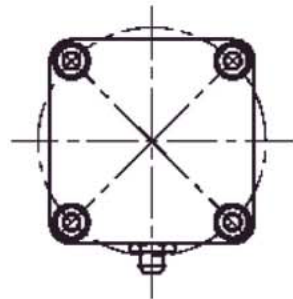


Wt: 21kg

VIEW A&D OPTION

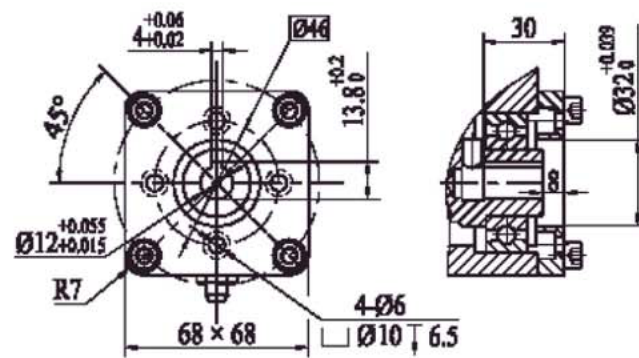
A&D 向视图

END CAP
闷盖



VIEW B&C OPTION

B&C 向视图



"A" & "D" VIEW AS INPUT IS AVAILABLE
输入端允许在"A" & "D"向视图

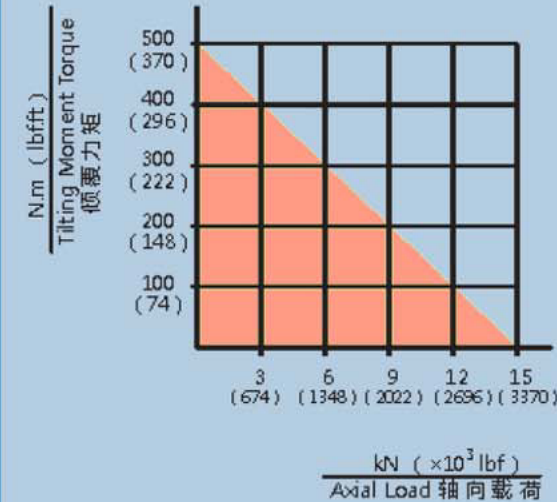
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SDE3/PDE3 | Slewing Drive Performance Parameters 回转式减速器性能参数表

Data 参数 Model 类型	Output Torque 输出转矩	Tilting Moment Torque 倾覆力矩	Holding Torque 保持力矩	Static Axial Rating 轴向静载荷	Static Radial Rating 径向静载荷	Dynamic Axial Rating 轴向动载荷	Dynamic Radial Rating 径向动载荷	Gear Ratio 减速比	Tracking Precision 精度等级	Weight 重量
SDE3	400 N.m	500 N.m	2000 N.m	30 kN	15 kN	9.6 kN	8.4 kN	62 : 1	≤ 0.2°	32kg
	295 lbf.ft	369 lbf.ft	1475 lbf.ft	6744 lbf	3372 lbf	2158 lbf	1888 lbf			
PDE3	400 N.m	500 N.m	2000 N.m	30 kN	15 kN	9.6 kN	8.4 kN	62 : 1	I : ≤ 0.08° II : ≤ 0.12° III : ≤ 0.15°	32kg
	295 lbf.ft	369 lbf.ft	1475 lbf.ft	6744 lbf	3372 lbf	2158 lbf	1888 lbf			

MOMENT LOAD CHART 承载力矩表
Axial Load & Tilting Moment
轴向载荷 & 倾覆力矩



NOTICE 注意

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回转式减速器

1 inch = 25.4 mm



<i>Slewing Drive Performance Data(Elevation)</i>		<i>Slewing Drive Performance Data(Azimuth)</i>	
Rated Output Speed	< 2.5 rpm	Rated Output Speed	< 2.5 rpm
Ratio of Worm Gear	28:1	Ratio of Worm Gear	73:1
Rated Output Torque	2000 N.m	Rated Output Torque	1500 N.m
Holding Torque	10000N.m	Holding Torque	10400N.m
Tilting Moment Torque (Max.)	9000N.m	Tilting Moment Torque (Max.)	13500N.m
Radial Load (Max.)	120 kN	Radial Load (Max.)	53kN
Axial Load (Max.)	60 kN	Axial Load (Max.)	133kN
Tracking Precision	≤0.2 °	Tracking Precision	≤0.2 °

MOMENT LOAD CHART(Elevation)

Axial Load & Tilting Moment

Axial Load (kN)	Axial Load (lbf)	Tilting Moment Torque (N.m)	Tilting Moment Torque (lbf.ft)
0	0	9000	6642
15	11.1	7500	5535
30	22.1	6000	4428
45	33.2	4500	3321
60	44.3	3000	2214
75	55.4	1500	1107
60	44.3	0	0

MOMENT LOAD CHART

Axial Load & Tilting Moment

Axial Load (kN)	Axial Load (lbf)	Tilting Moment Torque (N.m)	Tilting Moment Torque (lbf.ft)
0	0	13558	10000
45.36	10.2	12202	9000
68.04	15.3	10847	8000
90.71	20.4	9491	7000
113.39	25.5	8135	6000
136.07	30.6	6779	5000
136.07	30.6	0	0

Slewing bearing size and gear parameters 回转支承尺寸及齿轮参数

No. 序号	Type 型号/Date参数			External Dimensions 外形尺寸			Installation Dimensions 安装尺寸				Structure Dimensions 结构尺寸					Gear Parameters 齿轮参数					
	Without Teeth DL 无齿式	Outer Teeth DL 外齿式	Inner Teeth DL 内齿式	D	d	H	D1	D2	n	Ø	Grease Nipple No.(n) 油口数量	D3	d1	H1	h	b	Deflection(x) 变位	MOD(x) 模数	D3	Teeth No.(z) 齿数	
1				280	120		248	152	12		2	201	199						3	300	98
2	010.20.224	011.20.224	013.20.224	304	144	60	272	176				225	223		50		40			312	105
3	010.20.250	011.20.250	013.20.250	330	170		298	202				251	249								
4	010.22.280	011.22.280	013.22.280	360	200		328	232	18	16M14	281	279			4					348	94
5	010.25.315	011.25.315	013.25.315	408	222		372	258	20			316	314						435	85	
6	010.25.355	011.25.355	013.25.355	448	262	70	412	298			18M16	356	354	60		5			475	93	
7	010.20.400	011.20.400	013.20.400	493	307			457	343			401	399								528
8	010.20.450	011.20.450	013.20.450	543	357		507	393	24			451	449			6			576	94	
9		011.30.500	013.30.500			80	566	434	20	18	4	501	498	70	10	60	0.5	5	629	123	
10	010.30.500	012.30.500	014.30.500	602	398					M16								6	628.8	102	
11		011.25.500	013.25.500			80	566	434	20	18	4	501	499	70	10	60	0.5	5	629	123	
12	010.25.500	012.25.200	014.25.500	602	398					M16								6	628.8	102	
13		011.30.560	013.30.560			80	626	494	20	18	4	561	558	70	10	60	0.5	5	689	135	
14	010.30.560	012.30.560	014.30.560	662	458					M16								6	688.8	112	
15		011.25.560	013.25.560			80	626	494	20	18	4	561	559	70	10	60	0.5	5	689	135	
16	010.25.560	012.25.560	014.25.560	662	458					M16								6	688.8	112	
17		011.30.630	013.30.630			80	696	564	24	18	4	631	628	70	10	60	0.5	6	722.8	126	
18	010.30.630	012.30.630	014.30.630	732	528					M16								8	774.4	94	
19		011.25.630	013.25.630			80	696	564	24	18	4	631	629	70	10	60	0.5	6	772.8	126	
20	010.25.630	012.25.630	014.25.630	732	528					M16								8	774.4	94	
21		011.30.710	013.30.710			80	776	644	24	18	4	711	708	70	10	60	0.5	6	850.8	139	
22	010.30.710	012.30.710	014.30.710	812	608					M16								8	854.4	104	
23		011.25.710	013.25.710			80	776	644	24	18	4	711	709	70	10	60	0.5	6	850.8	139	
24	010.25.710	012.25.710	014.25.710	812	608					M16								8	854.4	104	
25		011.40.800	013.40.800			100	878	722	30	22	6	801	798	90	10	80	0.5	8	966.4	118	
26	010.40.800	012.40.800	014.40.800	922	678					M20								10	968	94	
27		011.30.800	013.30.800			100	878	722	30	22	6	801	798	90	10	80	0.5	8	966.4	118	
28	010.30.800	012.30.800	014.30.800	922	678					M20								10	968	94	



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Single-row four point contact ball 单排四点接触球式

