

LDB[®] SLEW DRIVE



WWW.LDB-SLEWDRIVE.COM



洛阳隆达轴承是高端精密传动部件制造商，
集研发、设计、制造、销售于一体，为用

户提供定制化的传动动力解决方案和专业化的服务支持。

LuoYang Longda is an award-winning motion control solution provider with a proven expertise in research and development of core technology focused on worm gear, worm drive. Serving in multi-industry applications, by putting a premium on innovation and helping solve tough design problems

20th

Over 20 years of
production experience



Exported to 73 countries



High and new
technology enterprises



Advanced
production equipment



Intimate service



Tuv certification

SW 9A - 25R - 61

61: 传动比 Transmission ratio

25: 输入端轴孔直径 Input shaft hole diameter

R: 输入端方向 右端 / L: 左端 Input direction: Right end/ L: Left end (usually the right end)

9: 尺寸规格 英寸 Dimensions: inches

9A: 骨架密封结构 / 不带A的是 普通唇式密封

Skeleton sealing structure/ Those without A are ordinary lip seals

SW: 卧式回转驱动 蜗轮蜗杆结构 Horizontal slew drive(Worm gear structure)

SX: 卧式回转驱动 斜齿蜗杆结构 Horizontal slew drive (Helical worm structure)

SPX / SPW : 在上述结构区分的基础上 带P的是高精度产品

On the basis of the above structural Distinction, those with “P” are high-precision products

SV: 立式回转驱动 Vertical slew drive

SHV: 组合式回转驱动 Combined slew drive

Ball slewing Ring 滚珠回转支承

- single or double raceway design 单或双滚道设计
- Outer ring with toothed worm gear 带齿蜗轮的外圈

Bolt hole 螺栓孔

- For unit mounting 用于装置安装

Housing 外壳

Connection point for potentiometer, permanent brake or manual turning 电位计、永久制动器或手动转动的连接点

- Integrated self-locking brake system provides reliable, safe and smooth operation 集成式自锁制动系统，运行可靠、安全、平稳
- No stick/slip or sudden lurching when starting movement 启动时不会出现卡顿或突然倾斜
- Easy access to hexagonal connection allows quick emergency manual operation 易于六角连接，允许紧急手动操作

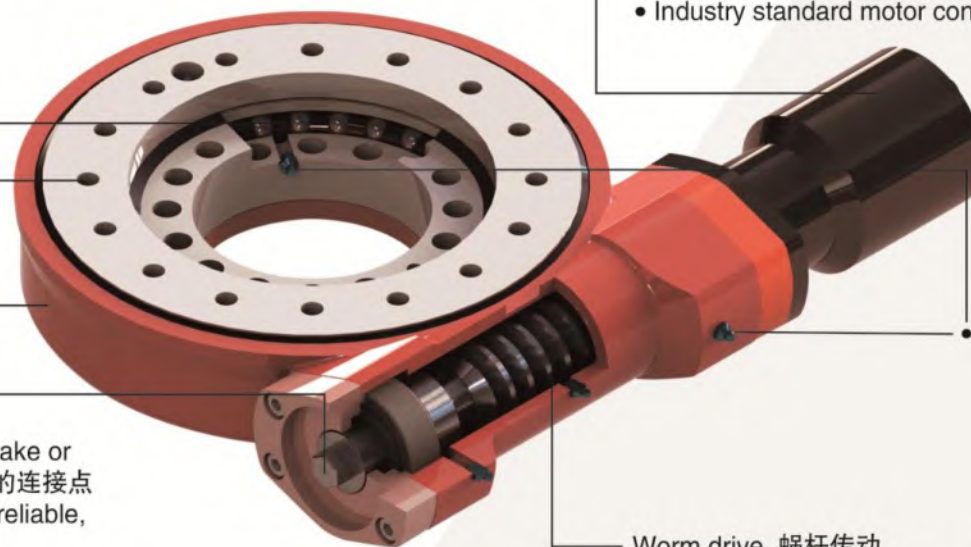
Motor 电机

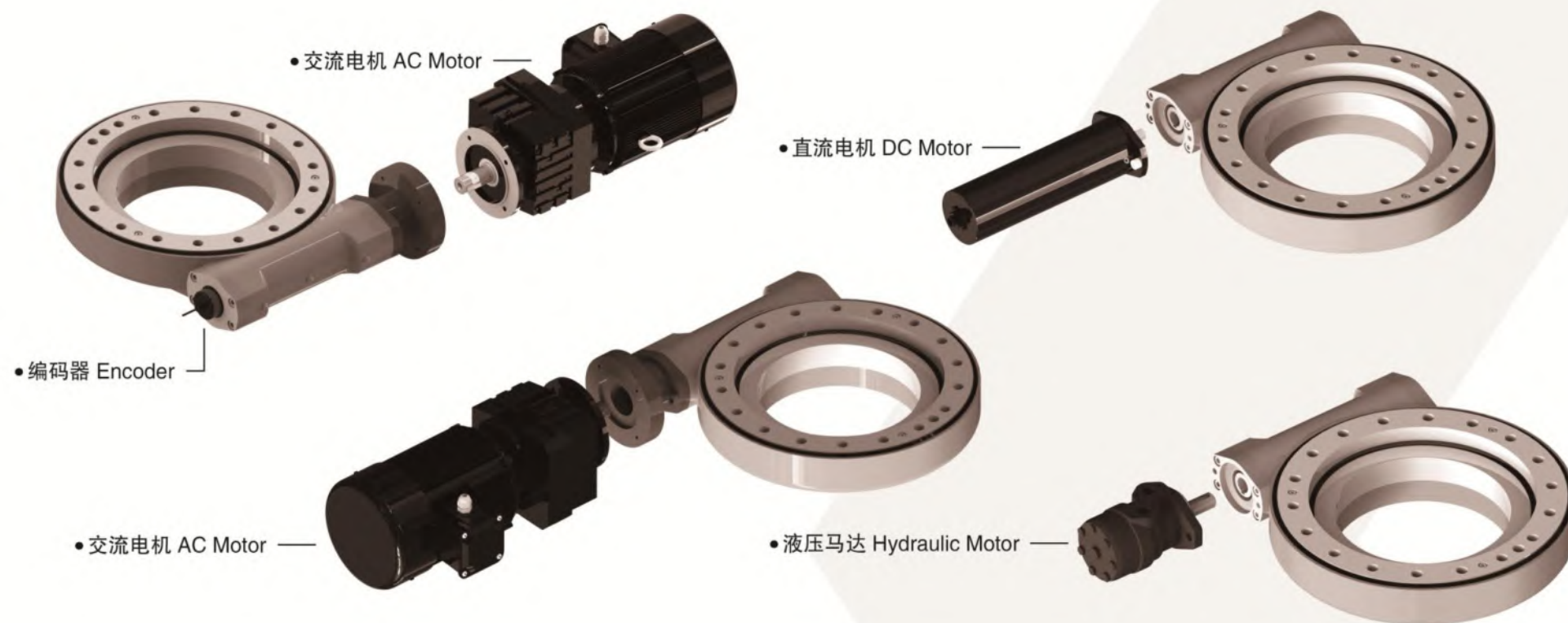
- Hydraulic or electric motor driven 液压或电动马达驱动
- With or without gearbox 带或不带变速箱
- Can be delivered without a motor 无需电机即可交付
- Industry standard motor connection 工业标准电机连接

Grease nipple 黄油嘴

Worm drive 蜗杆传动

- High torque transmission 高扭矩变速器
- Complete toothed worm gear 全齿蜗轮
- Maximum load capacity and extended life 负载高，寿命长
- Reduced backlash 齿隙小
- Self-locking and non-self-locking models 自锁和非自锁型号





汽车吊 truck crane 叉车尾吊、船吊



高空作业车 AERIAL WORK VEHICLE



轮胎门式起重机 PORTAL CRANE



全向前移式叉车 FORKLIFT



模块车 MODULAR VEHICLE、桥梁铺架车



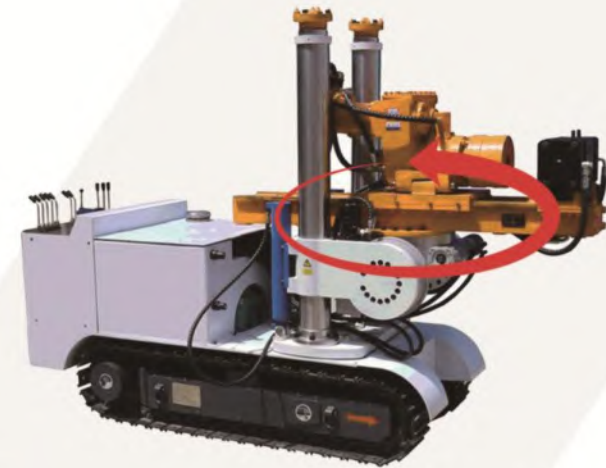
挖掘机属具 EXCAVATOR ATTACHMENTS



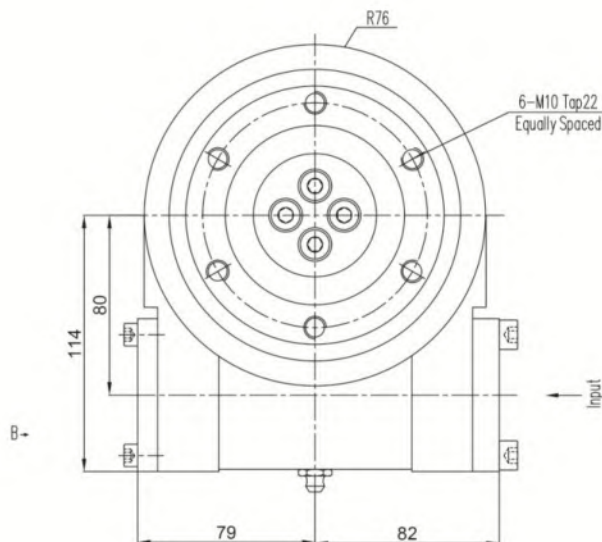
挖掘机属具 EXCAVATOR ATTACHMENTS



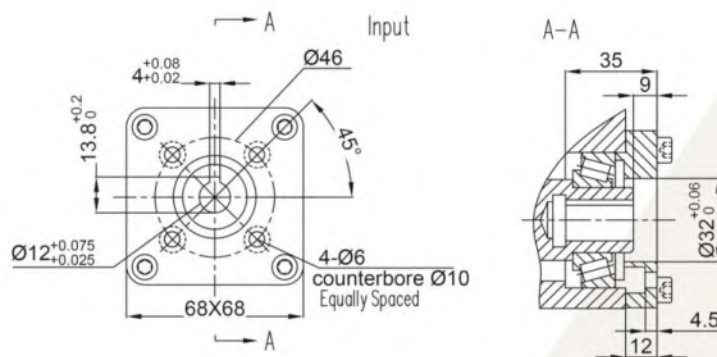
工程机械 CONSTRUCTION MACHINERY



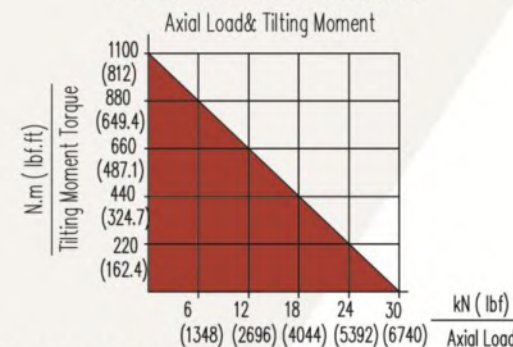
FRONT VIEW 正视图



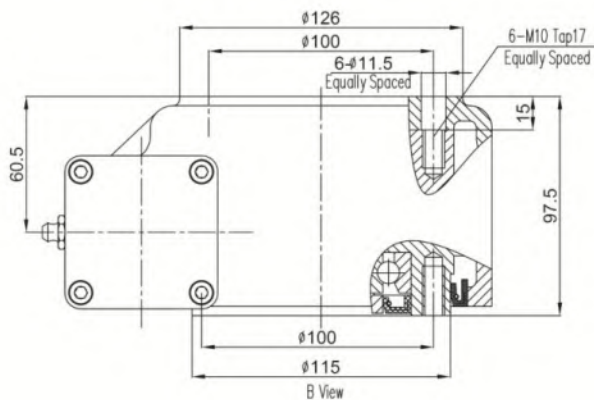
INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

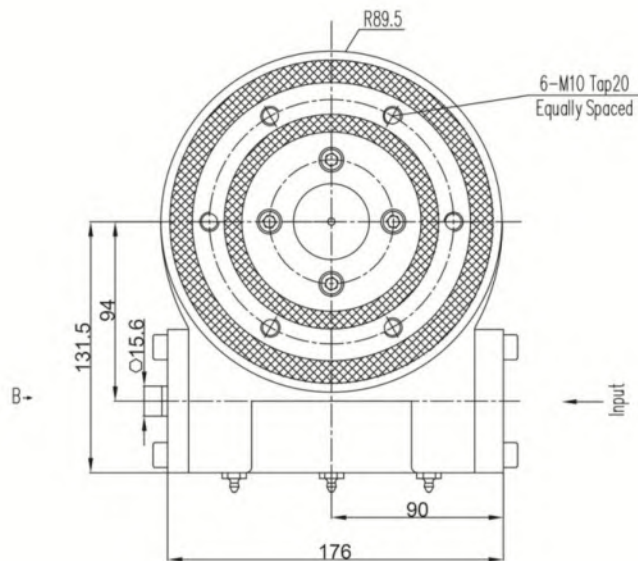
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M10 × 1.5 Tap (攻深)22	M10 × 1.5 Tap (攻深)17	B	3/8"-16UNC-2B Tap (攻深)22	3/8"-16UNC-2B Tap (攻深)17

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

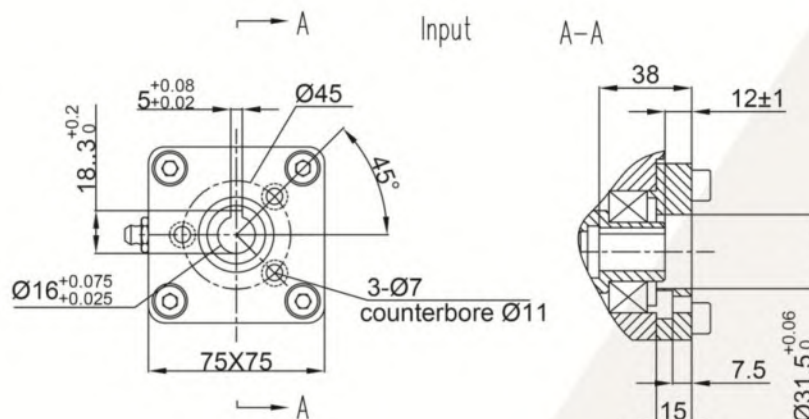
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX3	400 N.m	1.1 kNm	2 kN.m	30 kN	16.6 kN	- kN	- kN	62 : 1	≤ 0.2°	12 kg
	295 lbf.ft	811 lbf.ft	1475 lbf.ft	6744 lbf	3732 lbf	- lbf	- lbf			
SPX3	400 N.m	1.1 kNm	2 kN.m	30 kN	16.6 kN	- kN	- kN	62 : 1	≤ 0.15°	12 kg
	295 lbf.ft	811 lbf.ft	1475 lbf.ft	6744 lbf	3732 lbf	- lbf	- lbf			

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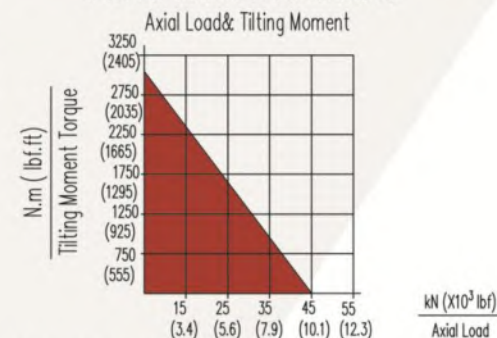
FRONT VIEW 正视图



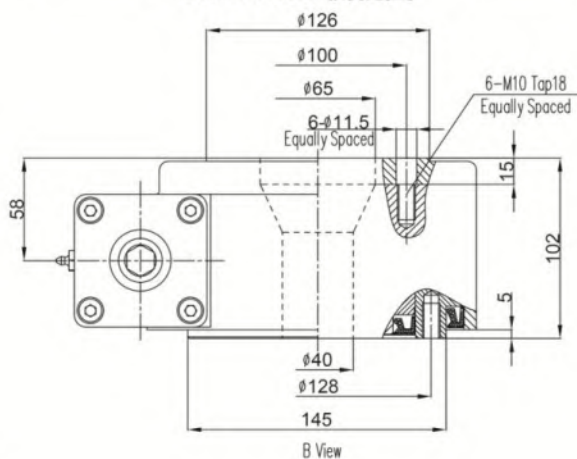
INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

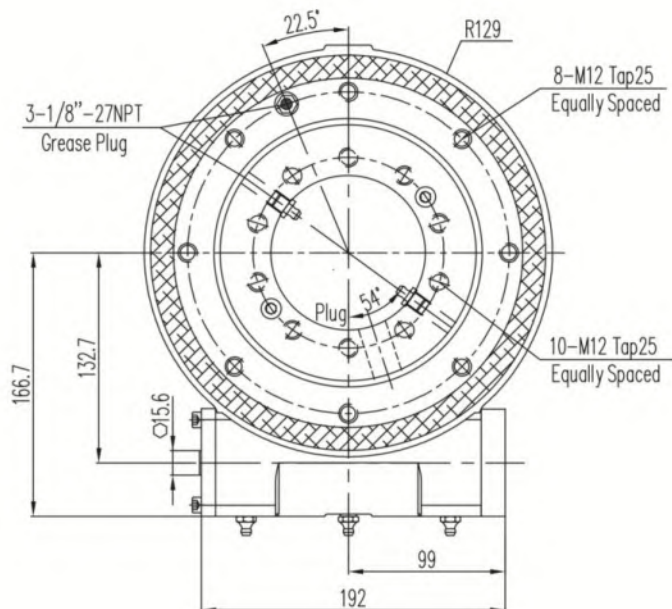
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M10 x 1.5 Tap (攻深)20	M10 x 1.5 Tap (攻深)18	B	3/8"-16UNC-2B Tap (攻深)20	3/8"-16UNC-2B Tap (攻深)18

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

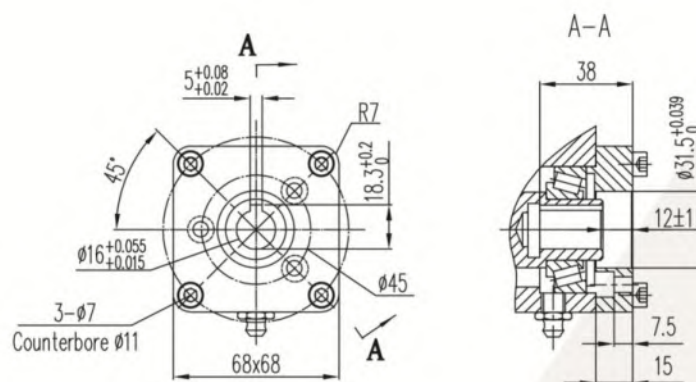
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX5	600 N.m	2.8 kNm	5 kN.m	45 kN	22 kN	- kN	- kN	62 : 1	≤ 0.2°	16 kg
	442.5 lbf.ft	2066 lbf.ft	3690 lbf.ft	10116 lbf	4945.6 lbf	- lbf	- lbf			
SPX5	600 N.m	2.8 kNm	5 kN.m	45 kN	22 kN	- kN	- kN	62 : 1	≤ 0.12°	16 kg
	442.5 lbf.ft	2066 lbf.ft	3690 lbf.ft	10116 lbf	4945.6 lbf	- lbf	- lbf			

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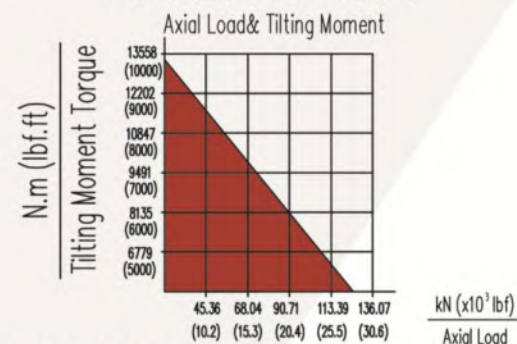
FRONT VIEW 正视图



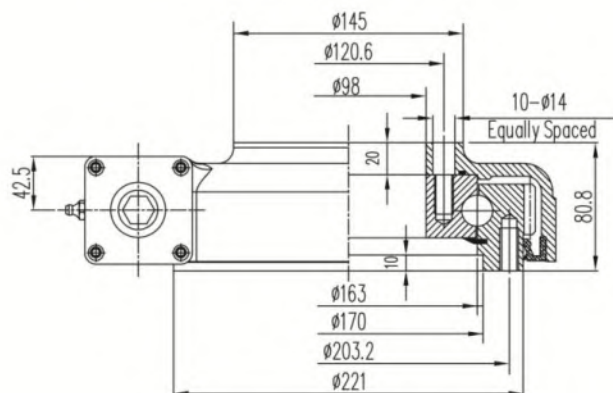
INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

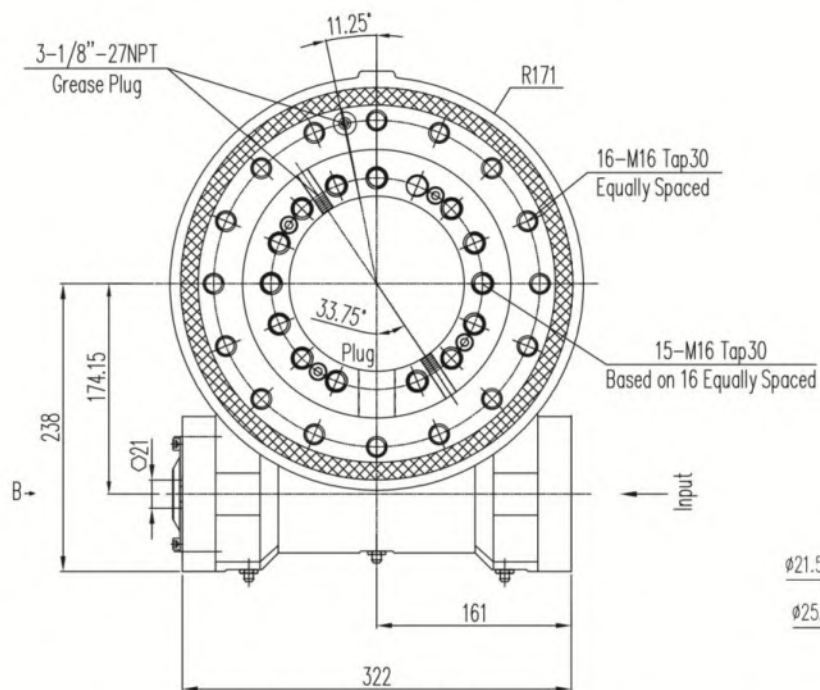
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M12 x 1.75 Tap (攻深)25	M12 x 1.75 Tap (攻深)25	B	1/2"-13UNC-2B Tap (攻深)25	1/2"-13UNC-2B Tap (攻深)25
T	M12 x 1.75 Tap (攻深)25	ø14 Thru (通孔)	BT	1/2"-13UNC-2B Tap (攻深)25	ø14 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

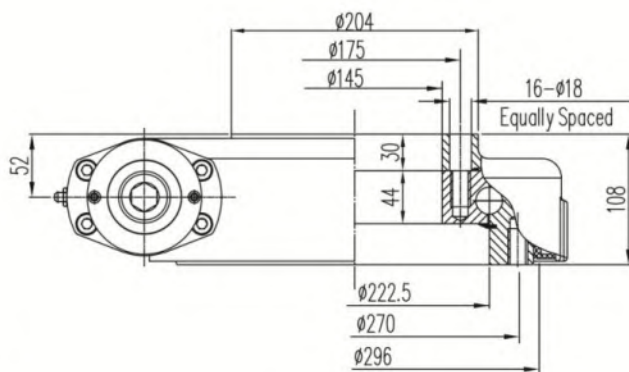
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX7A	1.5 kN.m 1110 lbf.ft	13.5 kNm 9957 lbf.ft	10.4 kN.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	- kN - lbf	- kN - lbf	73 : 1	≤ 0.2°	25 kg
SPX7A	1.5 kN.m 1110 lbf.ft	13.5 kNm 9957 lbf.ft	10.4 kN.m 7671 lbf.ft	133 kN 29900 lbf	53 kN 11915 lbf	- kN - lbf	- kN - lbf	73 : 1	≤ 0.11°	25 kg

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FRONT VIEW 正视图

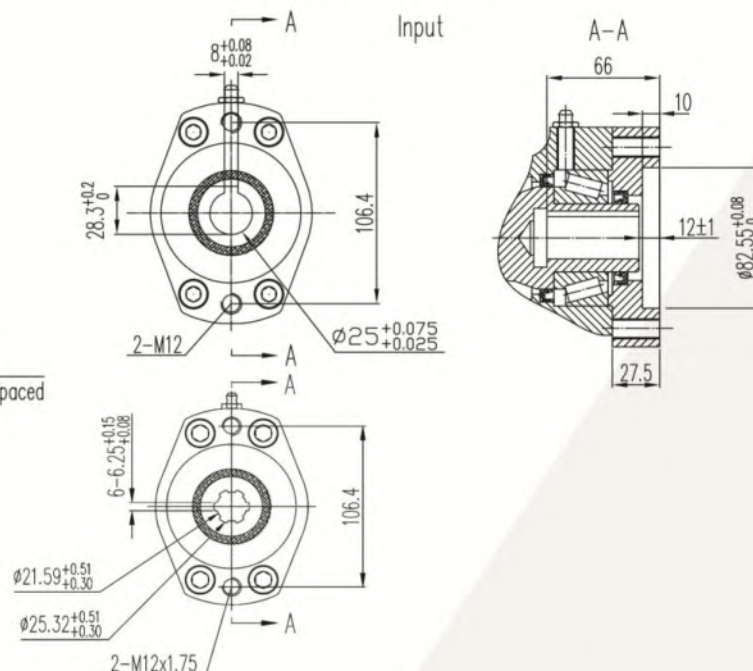


SIDE VIEW 侧视图

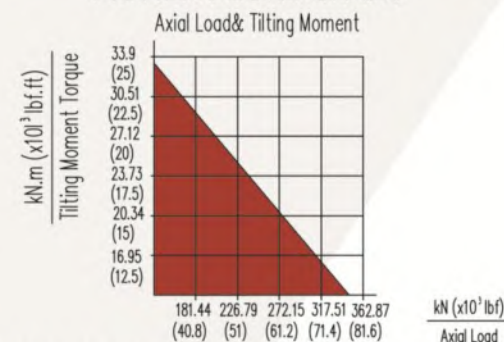


B View

INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



安装孔选项 MOUNTING HOLES OPTION

Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)30	M16x2 Tap(攻深)30	B	5/8"-11UNC-2B Tap(攻深)30	5/8"-11UNC-2B Tap(攻深)30
T	M16x2 Tap (攻深)30	Ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)30	Ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类 型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重 量
SX9A	6.5 kN.m	33.9 kNm	38.7 kN.m	338 kN	135 kN	– kN	– kN	61 : 1	≤ 0.17°	49 kg
	4794 lbf.ft	25000 lbf.ft	28500 lbf.ft	75985 lbf	30000 lbf	– lbf	– lbf			
SPX9A	6.5 kN.m	33.9 kNm	38.7 kN.m	338 kN	135 kN	– kN	– kN	61 : 1	≤ 0.09°	49 kg
	4794 lbf.ft	25000 lbf.ft	28500 lbf.ft	75985 lbf	30000 lbf	– lbf	– lbf			

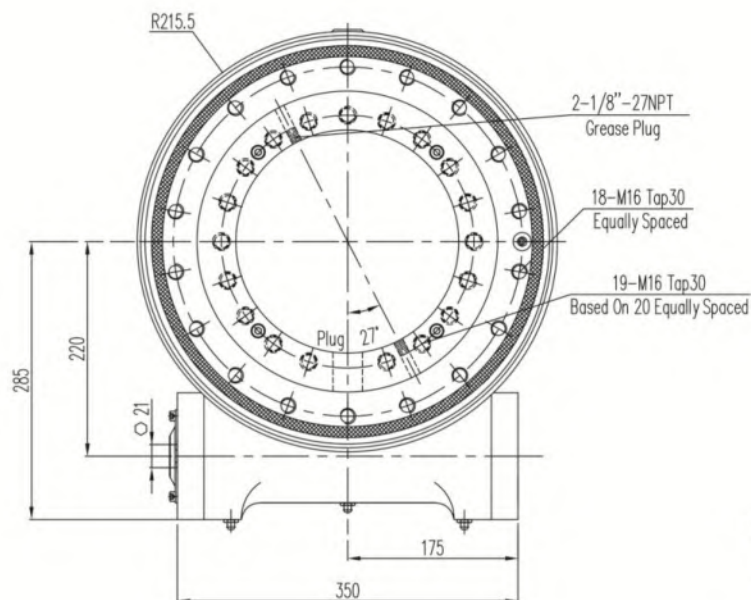
- 选型时请确保实际载荷在曲线范围内。Please be sure to remain under the curve. ● 以上图纸仅供参考。This drawing is just for your refenece.
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SX12A / SPX12A

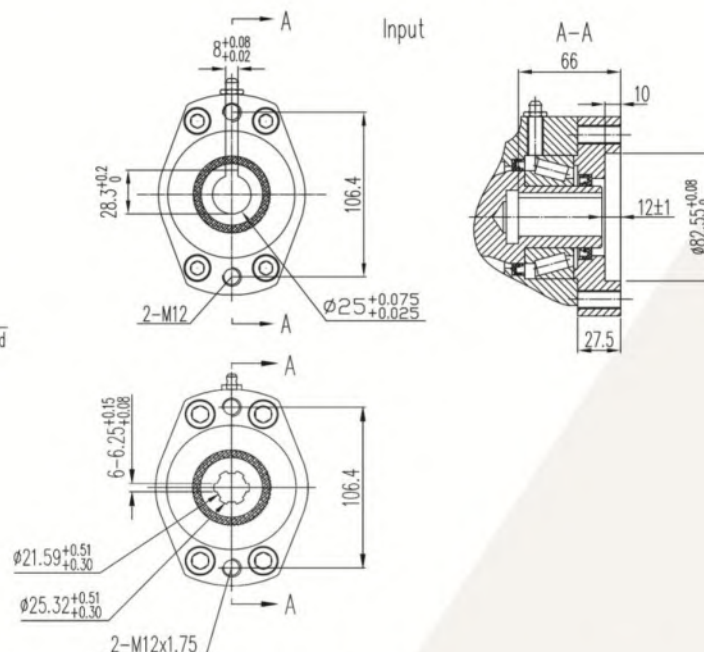
UNITS (单位): mm 1 inch = 25.4 mm

LDB[®] SLEW DRIVE

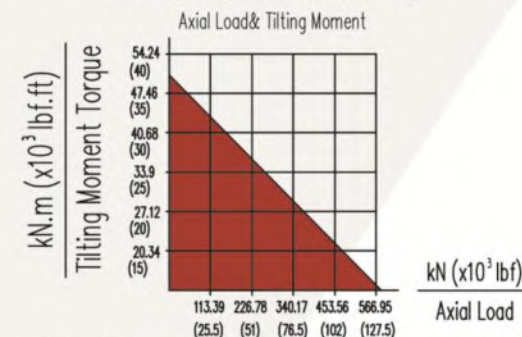
FRONT VIEW 正视图



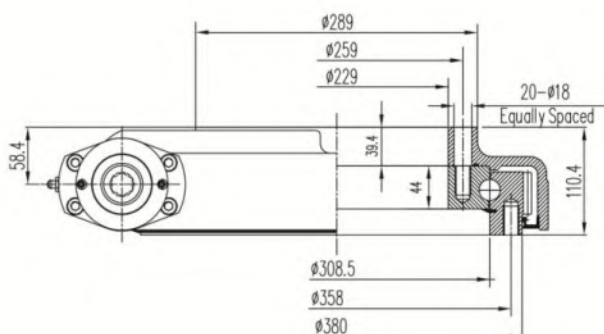
INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

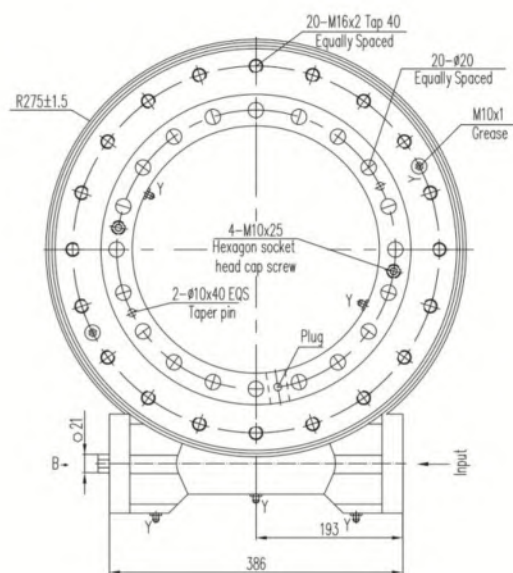
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)30	M16x2 Tap(攻深)30	B	5/8"-11UNC-2B Tap(攻深)30	5/8"-11UNC-2B Tap(攻深)30
T	M16x2 Tap (攻深)30	18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)30	18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

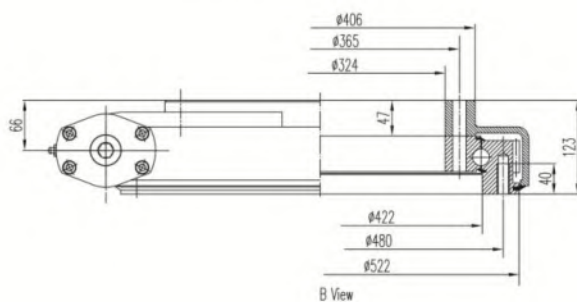
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX12A	7.5 kN.m 5532 lbf.ft	54 kNm 39800 lbf.ft	43 kN.m 32000 lbf.ft	475 kN 107000 lbf	190 kN 43000 lbf	- kN - lbf	- kN - lbf	78 : 1	≤ 0.17°	61 kg
SPX12A	7.5 kN.m 5532 lbf.ft	54 kNm 39800 lbf.ft	43 kN.m 32000 lbf.ft	475 kN 107000 lbf	190 kN 43000 lbf	- kN - lbf	- kN - lbf	78 : 1	≤ 0.07°	61 kg

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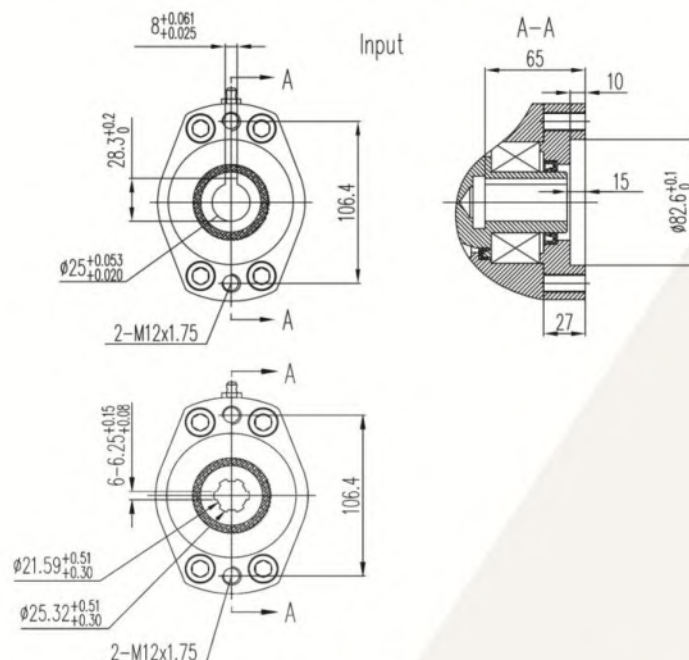
FRONT VIEW 正视图



SIDE VIEW 侧视图

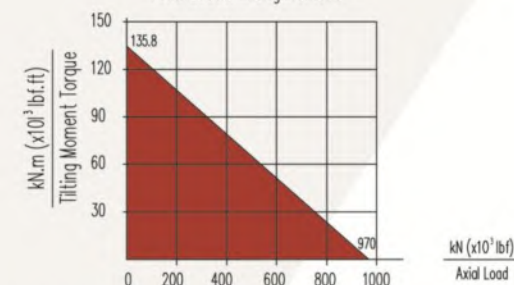


INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART

Axial Load & Tilting Moment



安装孔选项 MOUNTING HOLES OPTION

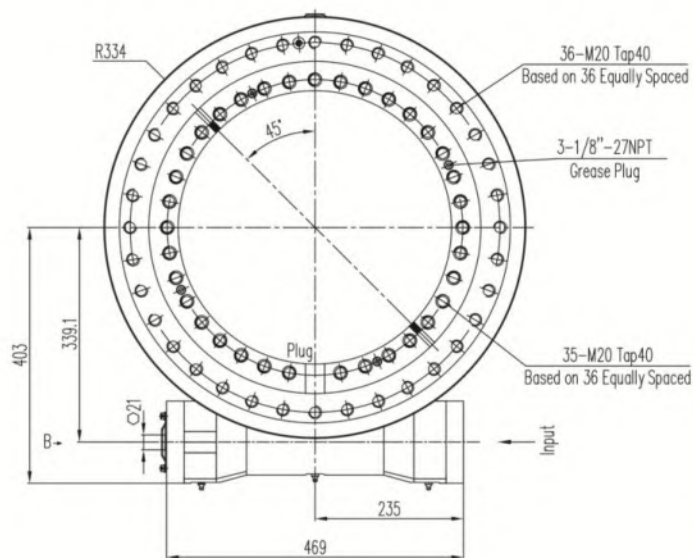
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)32	M16x2 Tap(攻深)32	B	5/8"-11UNC-2B Tap(攻深)32	5/8"-11UNC-2B Tap(攻深)32
T	M16x2 Tap (攻深)32	ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)32	ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

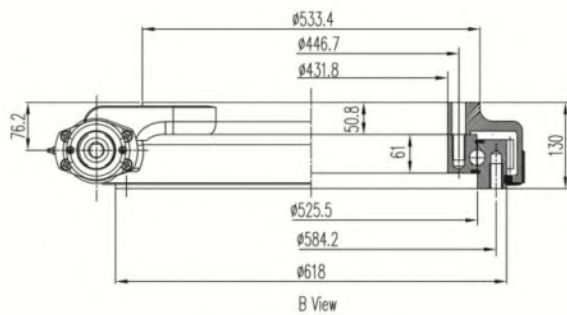
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX17A	10 kN.m 7370 lbf.ft	135.8 kNm 100160 lbf.ft	72.3 kN.m 53325 lbf.ft	970 kN 218000 lbf	390 kN 87670 lbf	- kN - lbf	- kN - lbf	102 : 1	≤ 0.17°	105 kg
SPX17A	10 kN.m 7370 lbf.ft	135.8 kNm 100160 lbf.ft	72.3 kN.m 53325 lbf.ft	970 kN 218000 lbf	390 kN 87670 lbf	- kN - lbf	- kN - lbf	102 : 1	≤ 0.09°	105 kg

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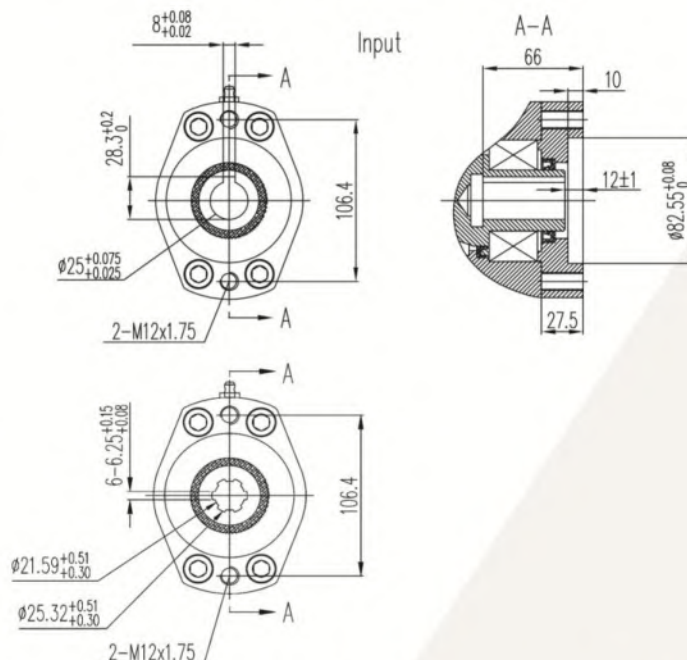
FRONT VIEW 正视图



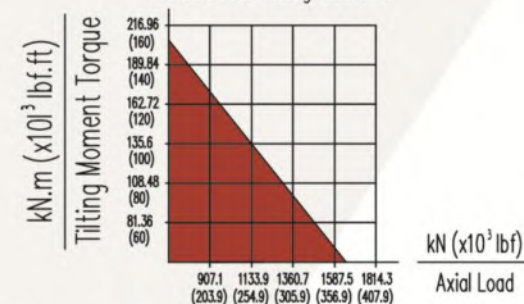
SIDE VIEW 侧视图



INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART
Axial Load & Tilting Moment



安装孔选项 MOUNTING HOLES OPTION

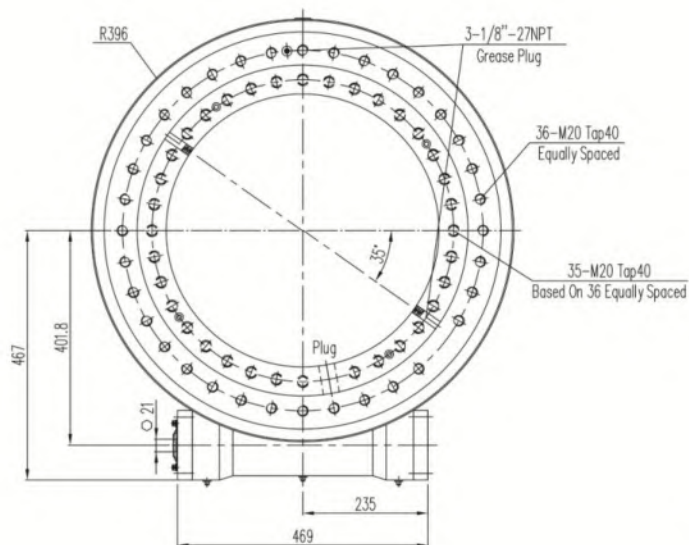
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 x 2.5 Tap (攻深)40	M20 x 2.5 Tap (攻深)40	B	3/4"-10UNC-2B Tap (攻深)40	3/4"-10UNC-2B Tap (攻深)40
T	M20 x 2.5 Tap (攻深)40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深)40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

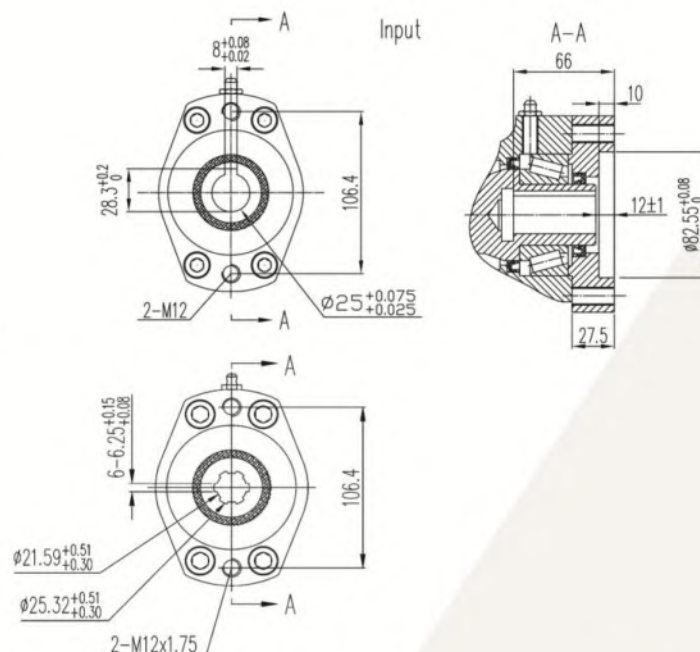
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类 型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重 量
SX21A	15 kN.m	203 kNm	70.5 kN.m	1598 kN	640 kN	– kN	– kN	125 : 1	≤ 0.15°	149 kg
	11000 lbf.ft	150000 lbf.ft	52000 lbf.ft	359000 lbf	144000 lbf	– lbf	– lbf			
SPX21A	15 kN.m	203 kNm	105.8 kN.m	1598 kN	640 kN	– kN	– kN	125 : 1	≤ 0.09°	149 kg
	11000 lbf.ft	150000 lbf.ft	78000 lbf.ft	359000 lbf	144000 lbf	– lbf	– lbf			

- 选型时请确保实际载荷在曲线范围内。Please be sure to remain under the curve. ● 以上图纸仅供参考。This drawing is just for your reference.
● 本公司保留改进产品的权利而不再另行通知。This drawing is subject to change due to new design without prior notice.

FRONT VIEW 正视图

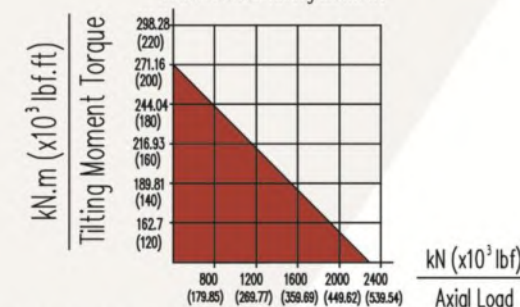


INTUP 输入端视图

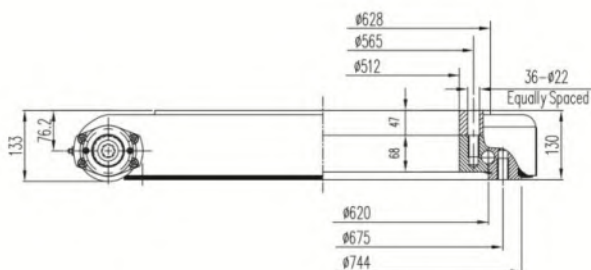


承载力矩表
MOMENT LOAD CHART

Axial Load & Tilting Moment



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

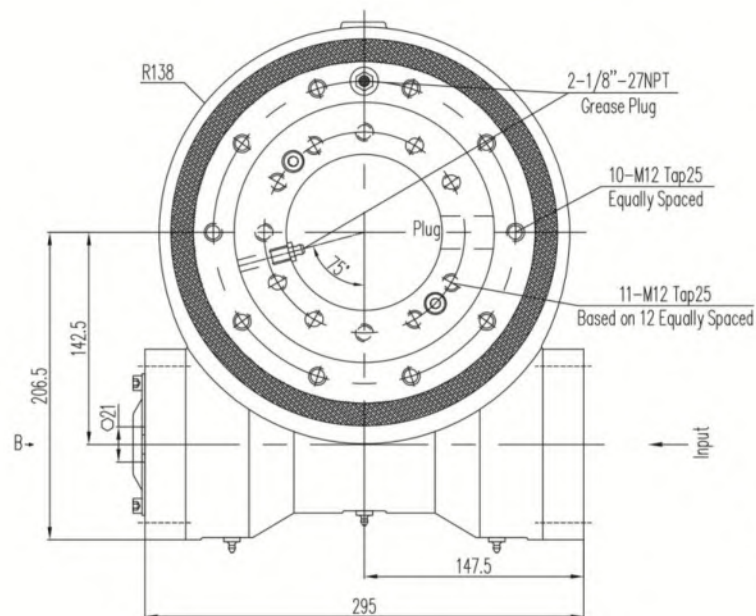
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 x 2.5 Tap (攻深)40	M20 x 2.5 Tap (攻深)40	B	3/4"-10UNC-2B Tap (攻深)40	3/4"-10UNC-2B Tap (攻深)40
T	M20 x 2.5 Tap (攻深)40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深)40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

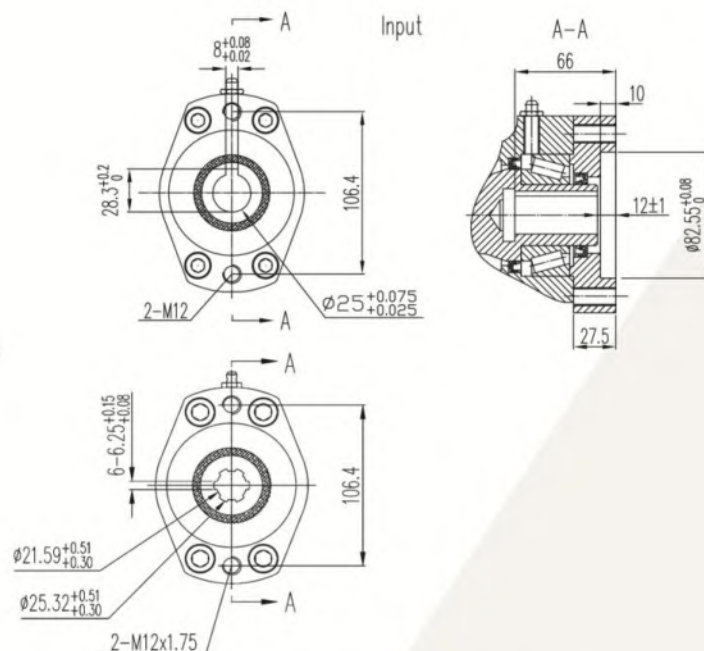
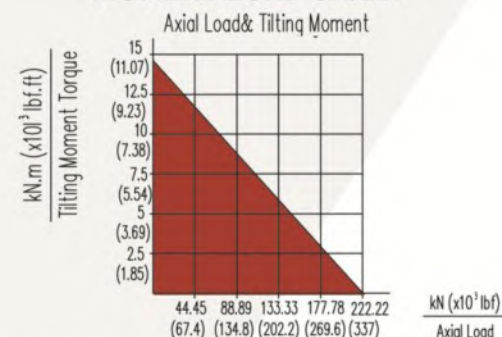
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SX25A	18 kN.m	271 kNm	158.3 kN.m	2360 kN	845 kN	- kN	- kN	150 : 1	≤ 0.15°	204 kg
	13300 lbf.ft	200000 lbf.ft	117000 lbf.ft	531000 lbf	212000 lbf	- lbf	- lbf			
SPX25A	18 kN.m	271 kNm	158.3 kN.m	2360 kN	845 kN	- kN	- kN	150 : 1	≤ 0.09°	204 kg
	13300 lbf.ft	200000 lbf.ft	117000 lbf.ft	531000 lbf	212000 lbf	- lbf	- lbf			

- 选型时请确保实际载荷在曲线范围内。Please be sure to remain under the curve.
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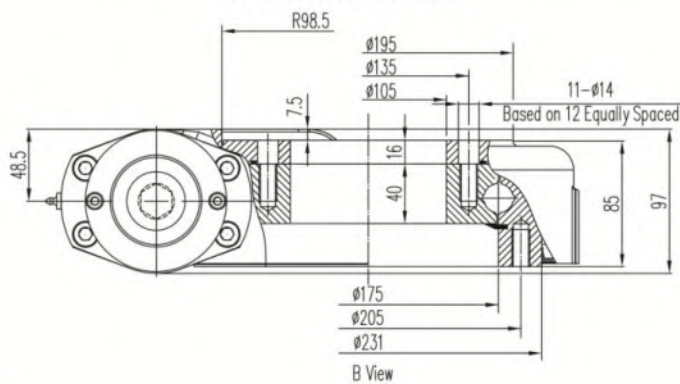
FRONT VIEW 正视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

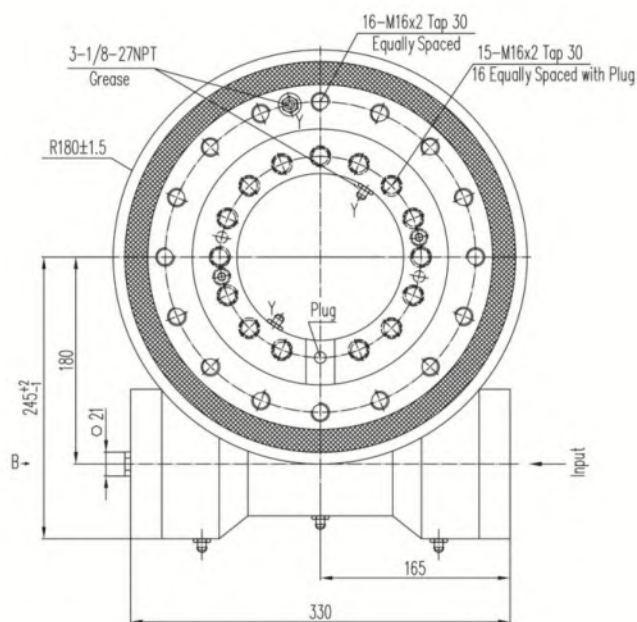
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M12 x 1.75 Tap (攻深)25	M12 x 1.75 Tap (攻深)25	B	1/2"-13UNC-2B Tap (攻深)25	1/2"-13UNC-2B Tap (攻深)25
T	M12 x 1.75 Tap (攻深)25	14 Thru (通孔)	BT	1/2"-13UNC-2B Tap (攻深)25	14 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

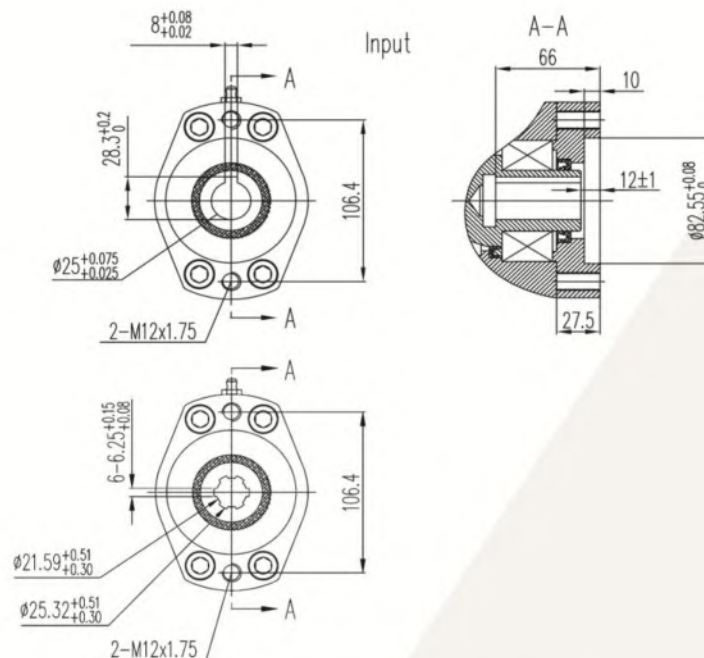
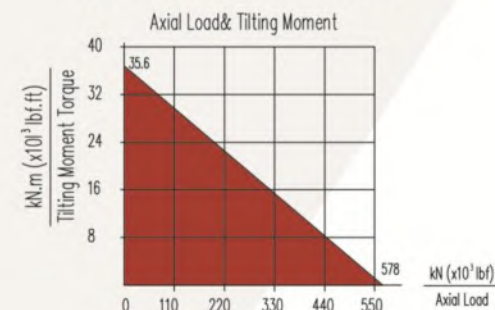
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW7A	3.5 kN.m 2583 lbf.ft	14.2 kNm 10500 lbf.ft	20 kN.m 148000 lbf.ft	220 kN 49500 lbf	90 kN 20200 lbf	- kN - lbf	- kN - lbf	47 : 1	≤ 0.15°	35 kg

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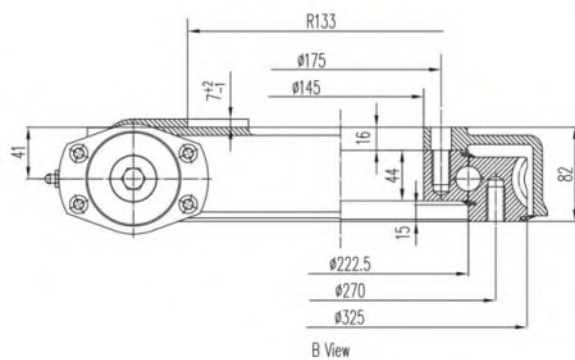
FRONT VIEW 正视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

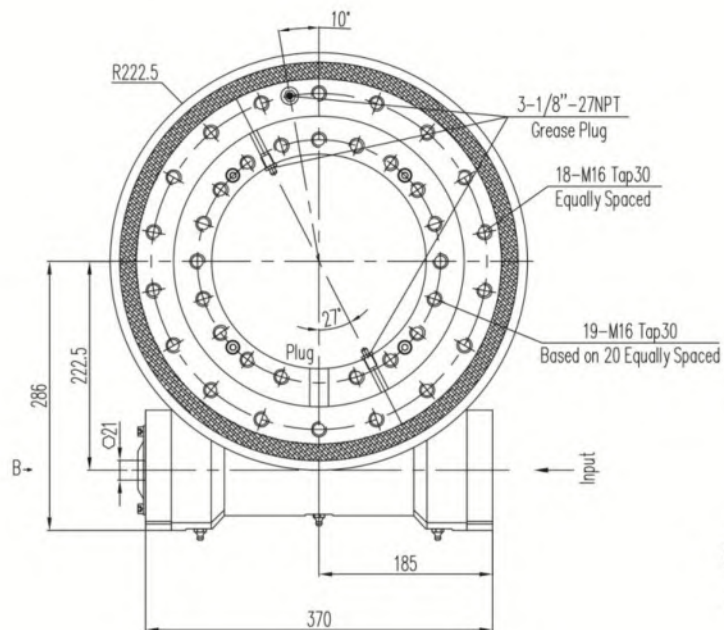
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)30	M16x2 Tap(攻深)30	B	5/8"-11UNC-2B Tap(攻深)30	5/8"-11UNC-2B Tap(攻深)30
T	M16x2 Tap (攻深)30	Ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)30	Ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

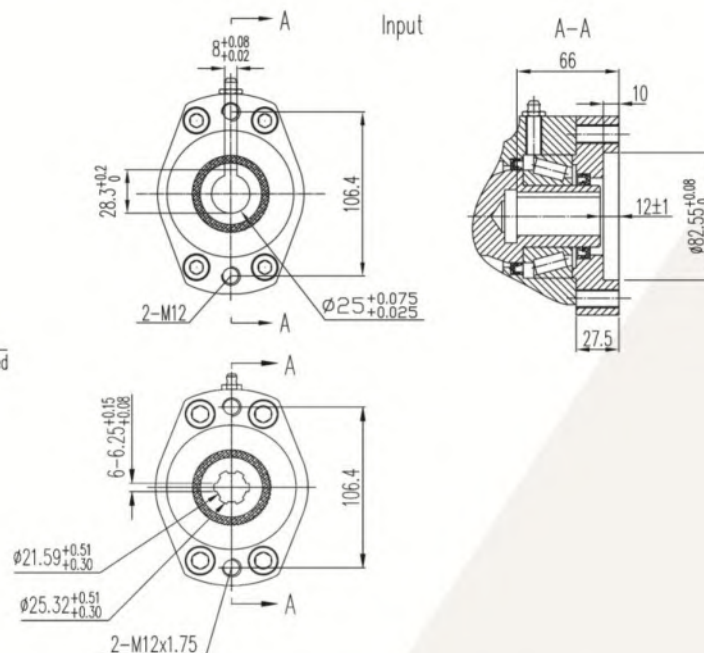
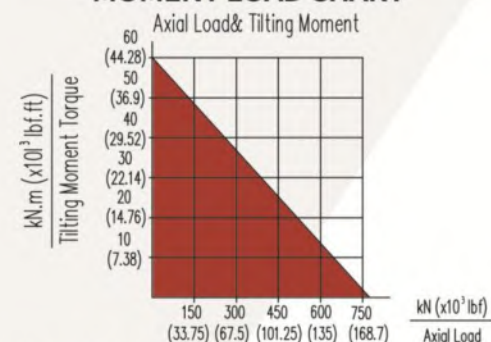
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW9	8 KN.m 5904 lbf.ft	35.6 kNm 26300 lbf.ft	38.7 kN.m 29000 lbf.ft	578 kN 129900 lbf	215 kN 48300 lbf	- kN - lbf	- kN - lbf	62 : 1	≤ 0.15°	53 kg

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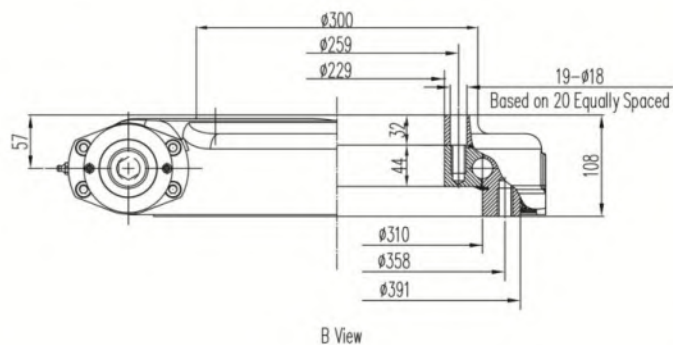
FRONT VIEW 正视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16 x 2 Tap (攻深)30	M16 x 2 Tap (攻深)30	B	5/8"-11UNC-2B Tap (攻深)30	5/8"-11UNC-2B Tap (攻深)30
T	M16 x 2 Tap (攻深)30	18 Thru (通孔)	BT	5/8"-11UNC-2B Tap (攻深)30	18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

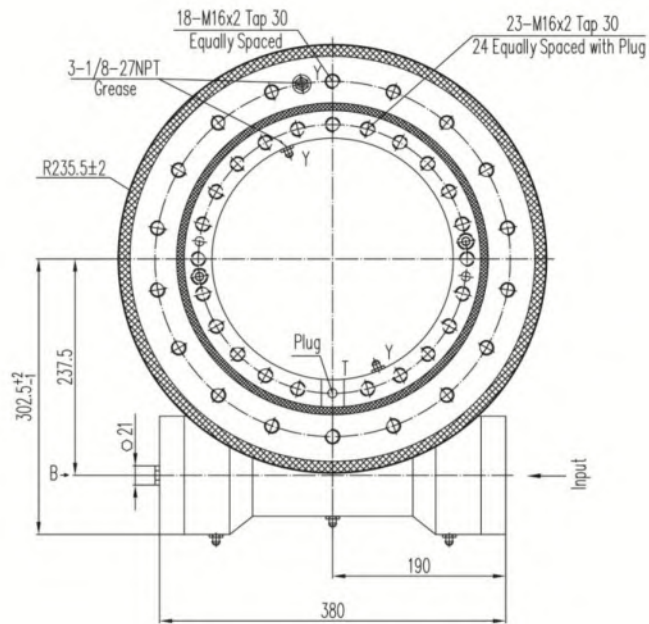
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW12A	9.5 kN.m 7011 lbf.ft	57 kNm 42100 lbf.ft	43 kN.m 32000 lbf.ft	760 kN 171100 lbf	280 kN 62900 lbf	- kN - lbf	- kN - lbf	79 : 1	≤ 0.15°	67 kg

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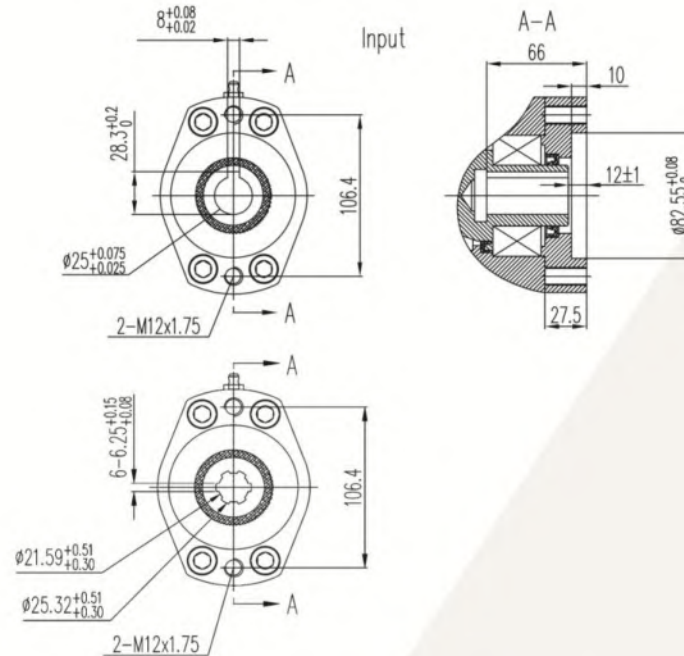
UNITS (单位): mm 1 inch = 25.4 mm

LDB[®] SLEW DRIVE

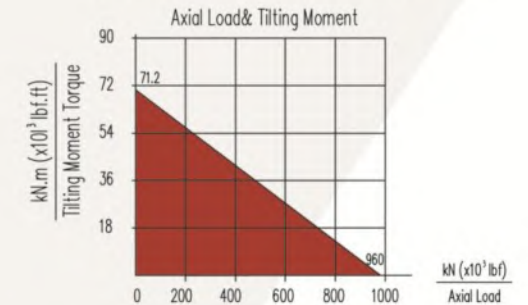
FRONT VIEW 正视图



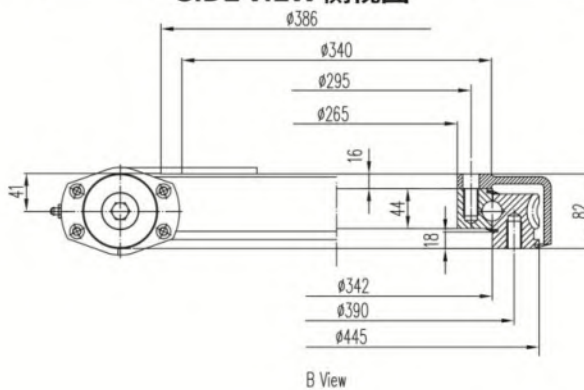
INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

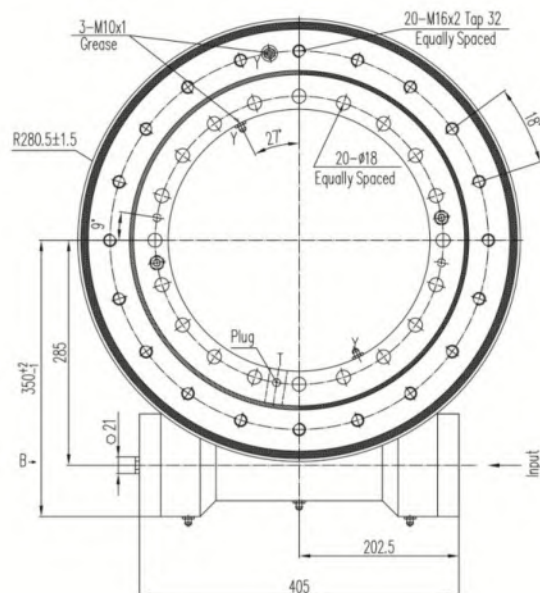
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)30	M16x2 Tap(攻深)32	B	5/8"-11UNC-2B Tap(攻深)30	5/8"-11UNC-2B Tap(攻深)30
T	M16x2 Tap (攻深)30	Ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)30	Ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

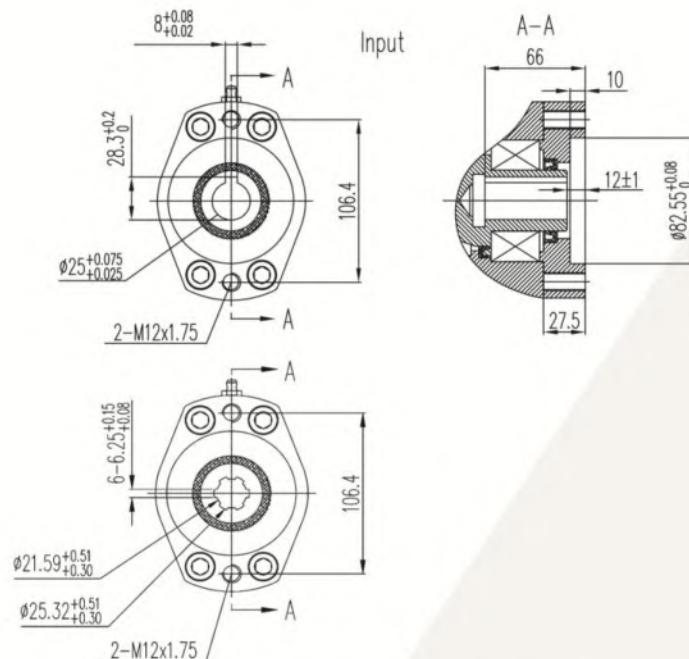
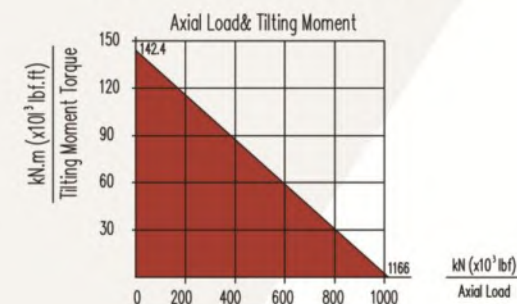
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW14	10.8 kN.m 7970 lbf.ft	71.2 kNm 52600 lbf.ft	48 kN.m 35400 lbf.ft	960 kN 215800 lbf	360 kN 80900 lbf	- kN - lbf	- kN - lbf	86 : 1	≤ 0.13°	75 kg

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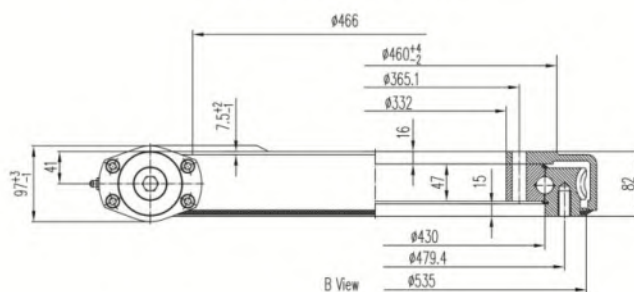
FRONT VIEW 正视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

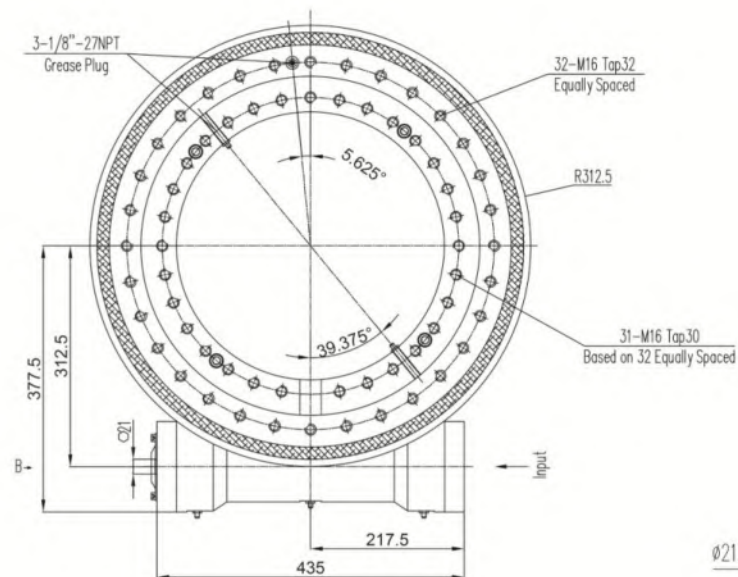
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)32	M16x2 Tap(攻深)32	B	5/8"-11UNC-2B Tap(攻深)32	5/8"-11UNC-2B Tap(攻深)32
T	M16x2 Tap (攻深)32	$\phi 18$ Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)32	$\phi 18$ Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

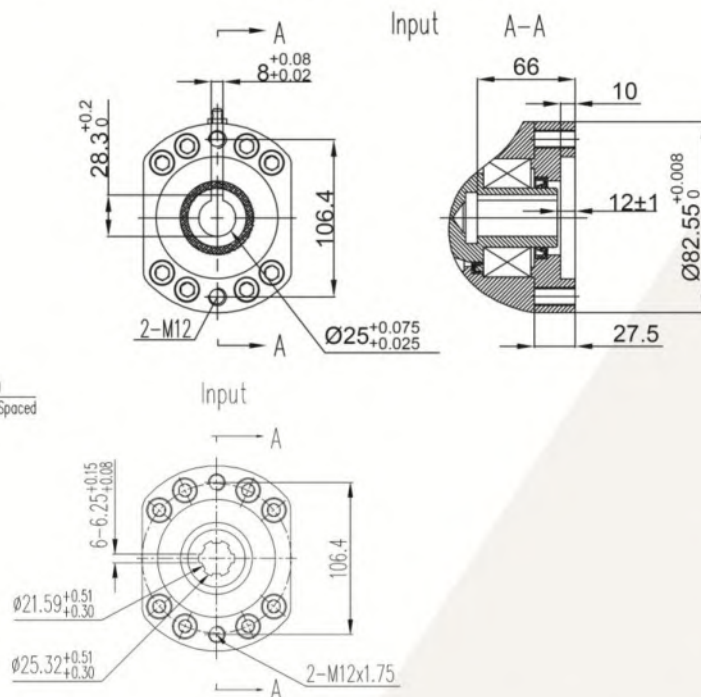
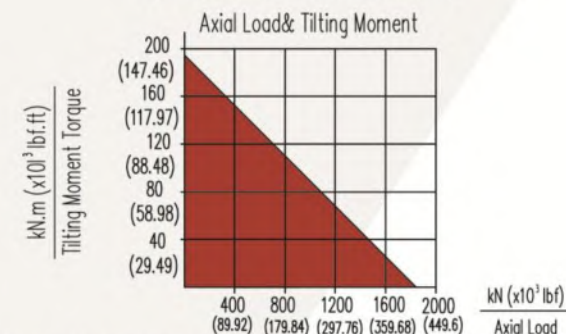
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW17	12.96 kN.m 9564 lbf.ft	142.4 kNm 105000 lbf.ft	72.3 kN.m 53400 lbf.ft	1166 kN 262000 lbf	435 kN 97800 lbf	- kN - lbf	- kN - lbf	104 : 1	$\leq 0.1^\circ$	96 kg

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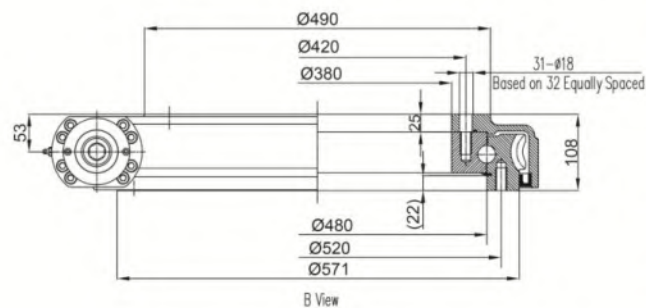
FRONT VIEW 正视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

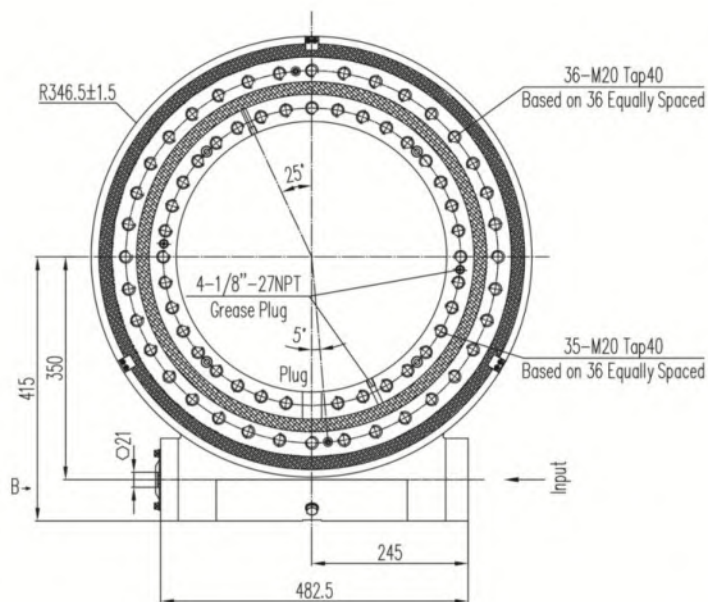
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)32	M16x2 Tap(攻深)32	B	5/8"-11UNC-2B Tap(攻深)32	5/8"-11UNC-2B Tap(攻深)32
T	M16x2 Tap (攻深)32	Ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)32	Ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

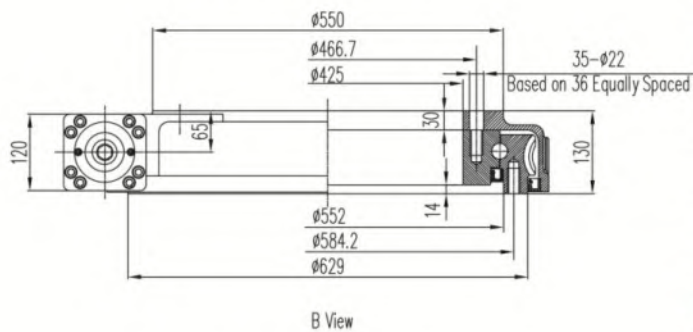
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW19A	18.5 kN.m 13640 lbf.ft	196 kNm 144500 lbf.ft	82 kN.m 60500 lbf.ft	1810 kN 406000 lbf	675 kN 151740 lbf	- kN - lbf	- kN - lbf	94 : 1	≤ 0.1°	118 kg

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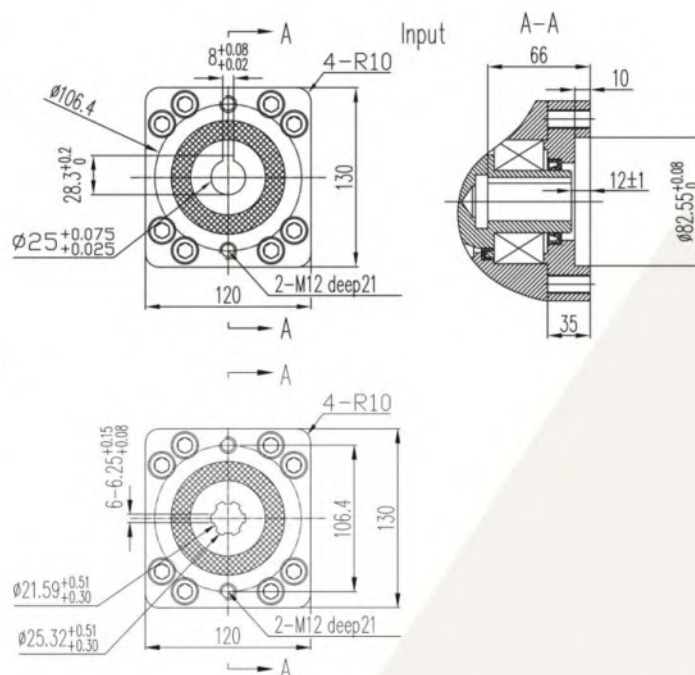
FRONT VIEW 正视图



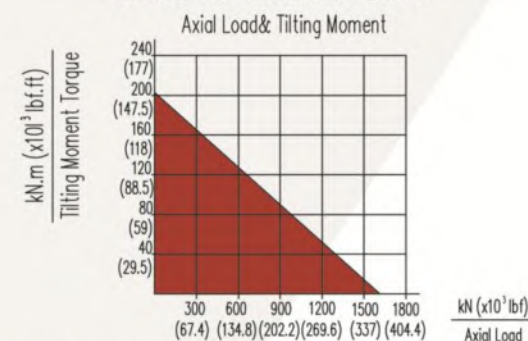
SIDE VIEW 侧视图



INTUP 输入端视图



承载力矩表 MOMENT LOAD CHART



安装孔选项 MOUNTING HOLES OPTION

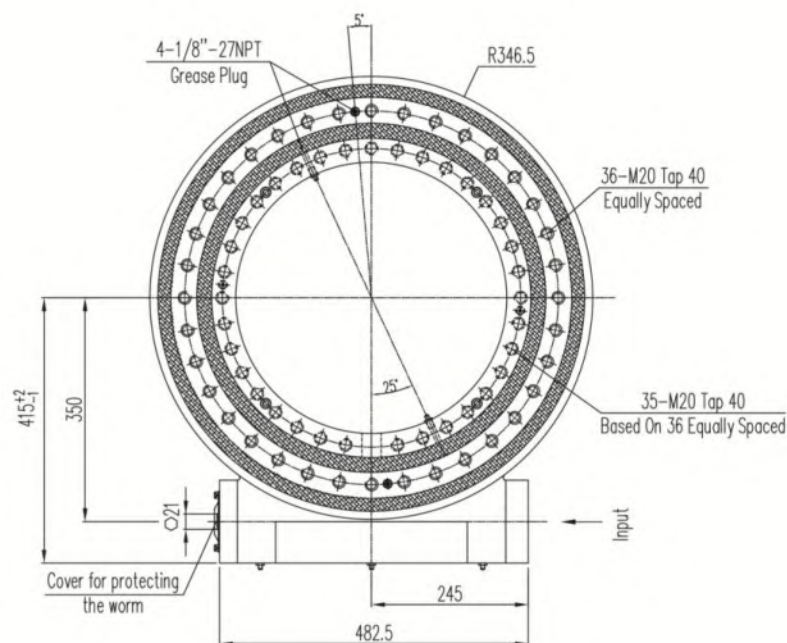
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 x 2.5 Tap (攻深)40	M20 x 2.5 Tap (攻深)40	B	3/4"-10UNC-2B Tap (攻深)40	3/4"-11UNC-2B Tap(攻深)40
T	M20 x 2.5 Tap (攻深)40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深)40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

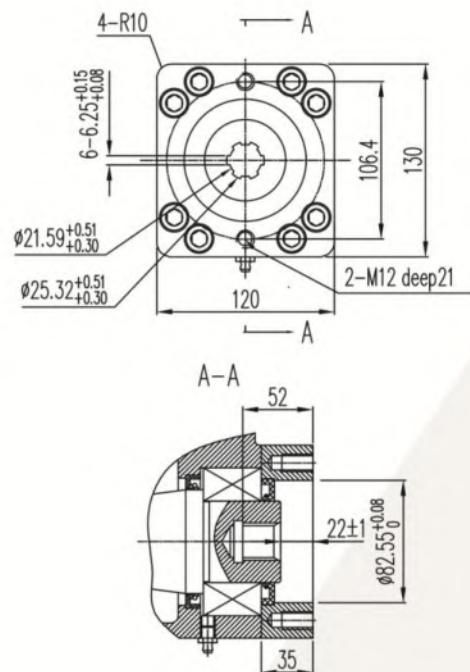
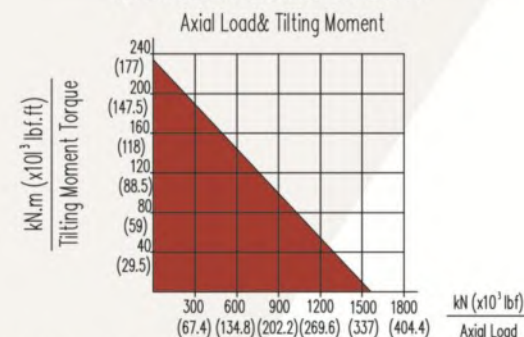
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW21A	28.7 kN.m	203 kNm	107 kN.m	1600 kN	650 kN	– kN	– kN	90 : 1	≤ 0.1°	172 kg
	21180 lbf.ft	150000 lbf.ft	78900 lbf.ft	359700 lbf	146000 lbf	– lbf	– lbf			

- 选型时请确保实际载荷在曲线范围内。Please be sure to remain under the curve. ● 以上图纸仅供参考。This drawing is just for your reference.
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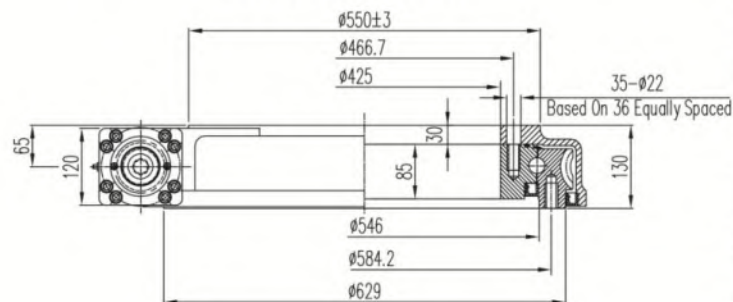
FRONT VIEW 正视图



INTUP 输入端视图

承载能力矩表
MOMENT LOAD CHART

SIDE VIEW 侧视图



安装孔选项 MOUNTING HOLES OPTION

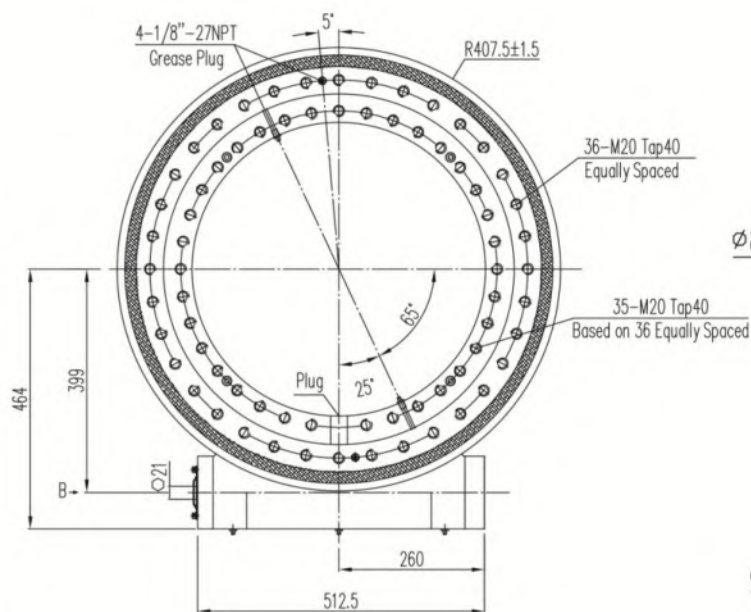
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 × 2.5 Tap (攻深) 40	M20 × 2.5 Tap (攻深) 40	B	3/4"-10UNC-2B Tap (攻深) 40	3/4"-11UNC-2B Tap (攻深) 40
T	M20 × 2.5 Tap (攻深) 40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深) 40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

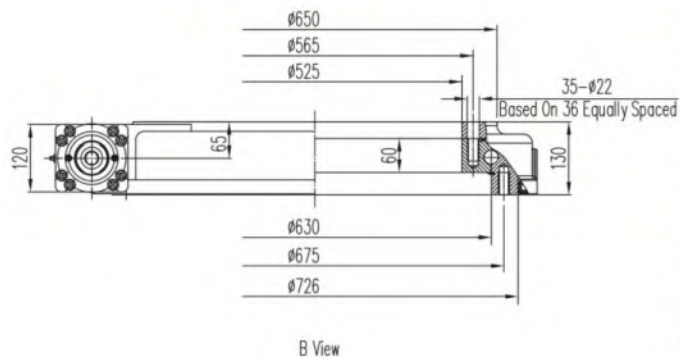
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW21B	28.7 kN.m 21180 lbf.ft	203 kNm 150000 lbf.ft	105.8 kN.m 78100 lbf.ft	1598 kN 359000 lbf	640 kN 144000 lbf	- kN - lbf	- kN - lbf	90 : 1	≤ 0.1°	172 kg

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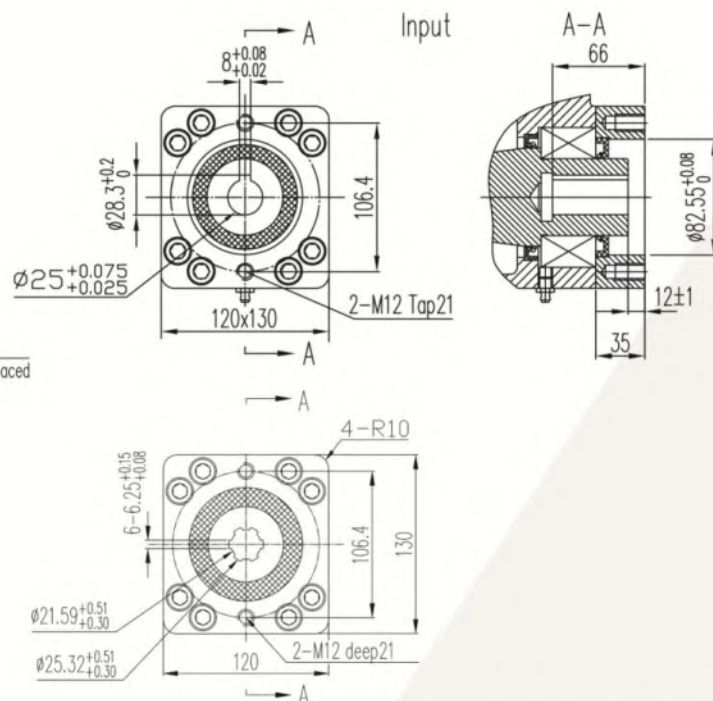
FRONT VIEW 正视图



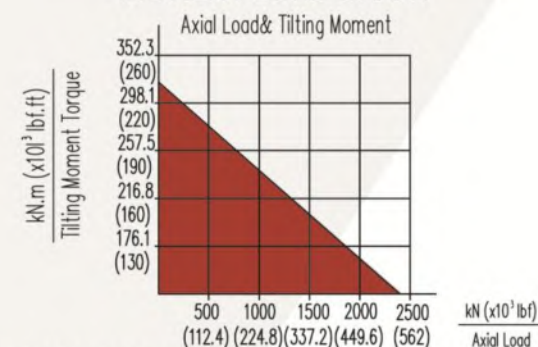
SIDE VIEW 侧视图



INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



安装孔选项 MOUNTING HOLES OPTION

Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 x 2.5 Tap (攻深)40	M20 x 2.5 Tap (攻深)40	B	3/4"-10UNC-2B Tap (攻深)40	3/4"-11UNC-2B Tap(攻深)40
T	M20 x 2.5 Tap (攻深)40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深)40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW25A	34.2 kN.m	310 kNm	158.3 kN.m	2360 kN	945 kN	— kN	— kN	104 : 1	≤ 0.1°	202 kg
	25200 lbf.ft	229000 lbf.ft	117000 lbf.ft	531000 lbf	212000 lbf	— lbf	— lbf			

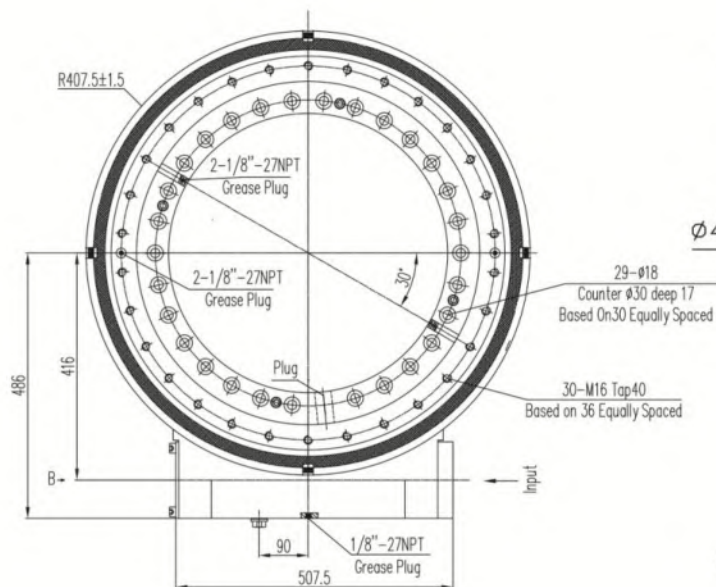
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HSW25A (铜蜗轮)

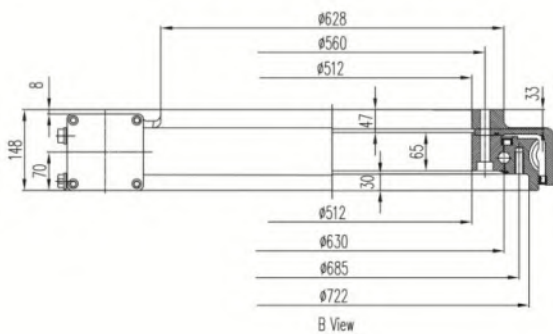
UNITS (单位): mm 1 inch = 25.4 mm

LDB[®] SLEW DRIVE

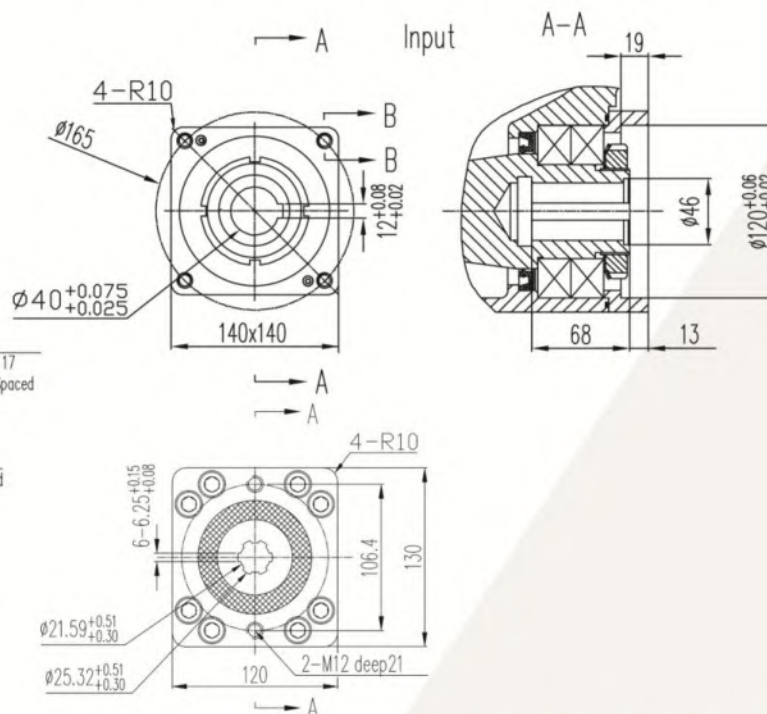
FRONT VIEW 正视图



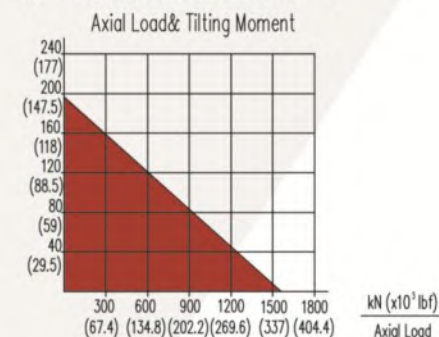
SIDE VIEW 侧视图



INTUP 输入端视图



承载力矩表
MOMENT LOAD CHART



安装孔选项 MOUNTING HOLES OPTION

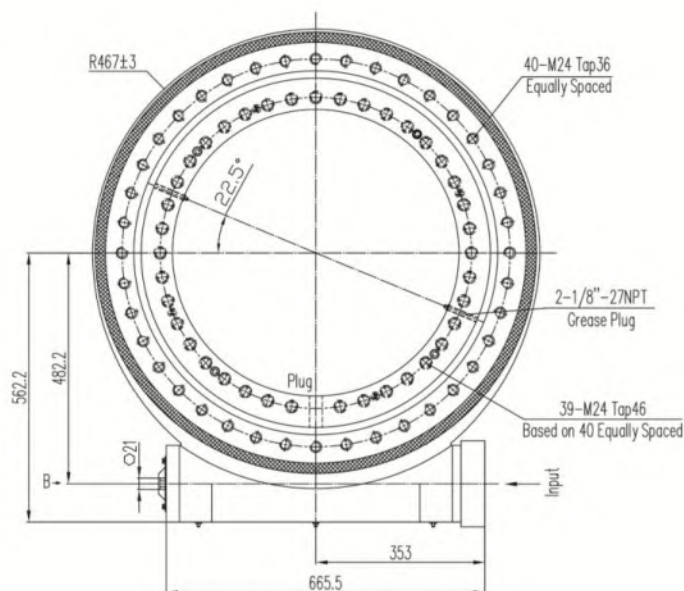
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M20 x 2.5 Tap (攻深)40	M20 x 2.5 Tap (攻深)40	B	3/4"-10UNC-2B Tap (攻深)40	3/4"-11UNC-2B Tap (攻深)40
T	M20 x 2.5 Tap (攻深)40	Ø22 Thru (通孔)	BT	3/4"-10UNC-2B Tap (攻深)40	Ø22 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

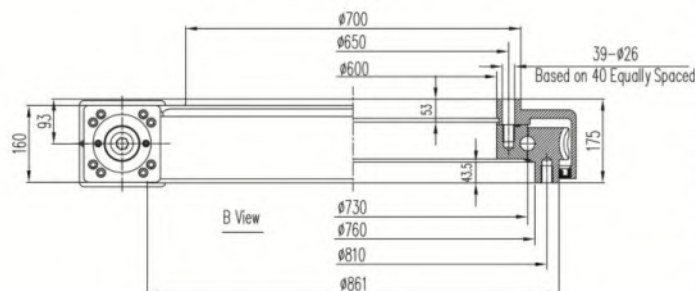
Model	Output Torque	Tilting Moment	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
HSW25A	25 KN.m	180 kNm	- kN.m	1500 kN	- kN	- kN	- kN	94 : 1	≤ 0.15°	- kg
	18450 lbf.ft	132000 lbf.ft	- lbf.ft	330000 lbf	- lbf	- lbf	- lbf			

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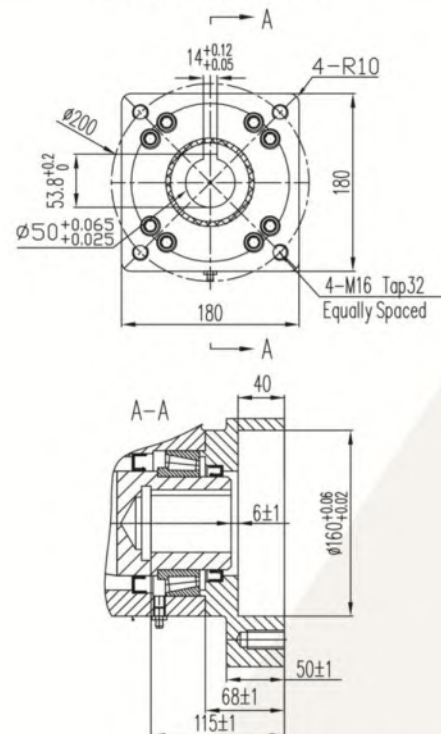
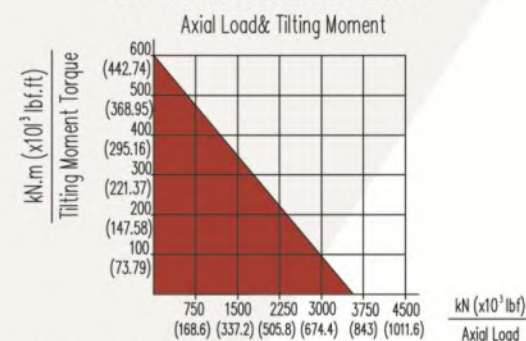
FRONT VIEW 正视图



SIDE VIEW 侧视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

安装孔选项 MOUNTING HOLES OPTION

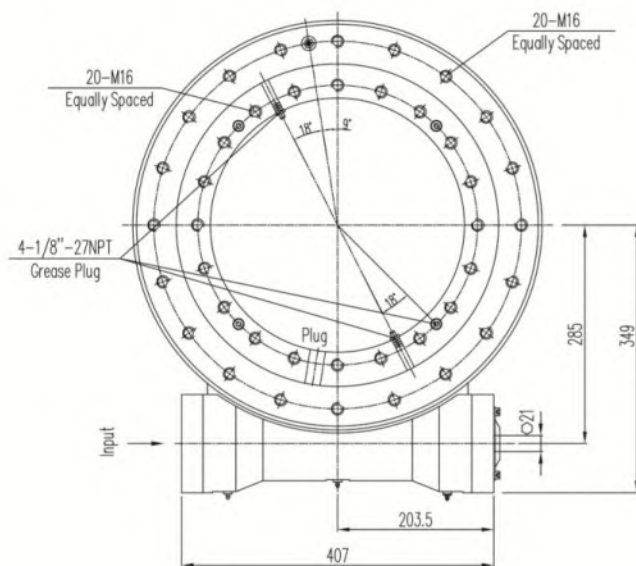
Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M24 × 3 Tap (攻深)36	M24 × 3 Tap (攻深)36	B	7/8"-9UNC-2B Tap (攻深)36	7/8"-9UNC-2B Tap (攻深)36
T	M24 × 3 Tap (攻深)36	Ø26 Thru (通孔)	BT	7/8"-9UNC-2B Tap (攻深)36	Ø26 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

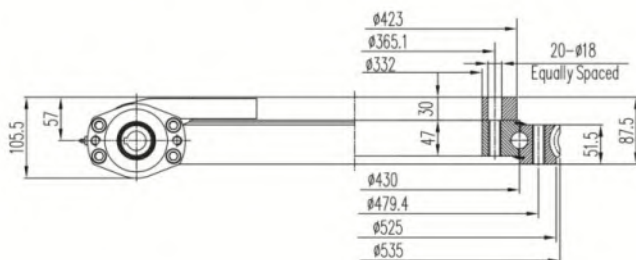
Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
SW28	40 kN.m 29516 lbf.ft	600 kNm 443000 lbf.ft	250 kN.m 184000 lbf.ft	3400 kN 764000 lbf	1360 kN 306000 lbf	- kN - lbf	- kN - lbf	110 : 1	≤ 0.15°	418 kg

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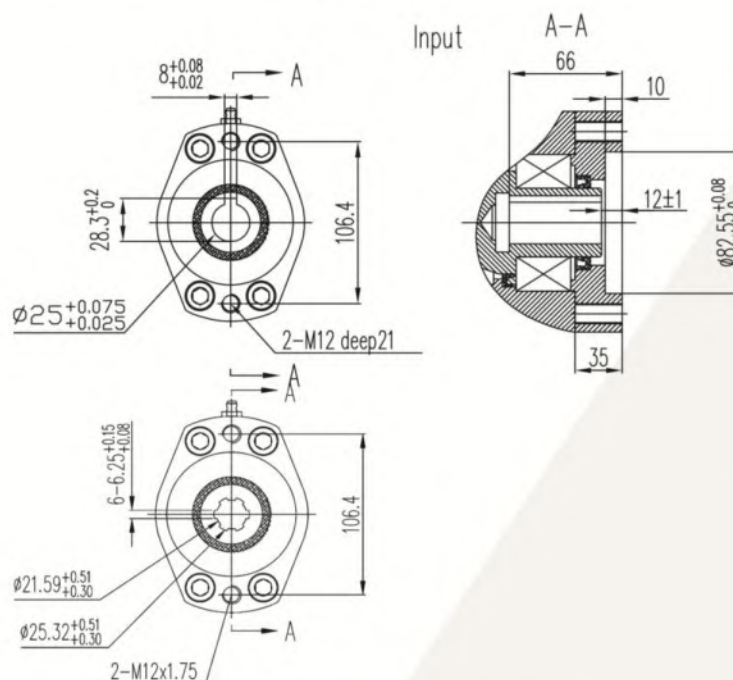
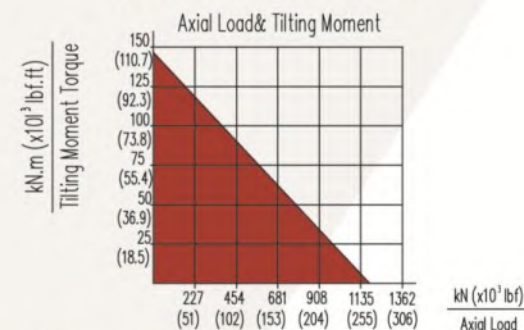
FRONT VIEW 正视图



SIDE VIEW 侧视图



INTUP 输入端视图

承载力矩表
MOMENT LOAD CHART

安装孔选项 MOUNTING HOLES OPTION

Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)	Code 代码	M (Outer Ring 外圈)	N (Inner Ring 内圈)
-	M16x2 Tap(攻深)30	M16x2 Tap(攻深)30	B	5/8"-11UNC-2B Tap(攻深)30	5/8"-11UNC-2B Tap(攻深)30
T	M16x2 Tap (攻深)30	Ø18 Thru (通孔)	BT	5/8"-11UNC-2B Tap(攻深)30	Ø18 Thru (通孔)

性能参数表 SLEW DRIVE PERFORMANCE PARAMETERS

Model	Output Torque	Tilting Moment Torque	Holding Torque	Static Axial Rating	Static Radial Rating	Dynamic Axial Rating	Dynamic Radial Rating	Gear Ratio	Tracking Precision	Weight
类型	输出转矩	倾覆力矩	保持力矩	轴向静载荷	径向静载荷	轴向动载荷	径向动载荷	减速比	精度等级	重量
W17	12.96 kN.m 9564 lbf.ft	142.4 kNm 105100 lbf.ft	74 kN.m 546000 lbf.ft	1166 kN 262000 lbf	435 kN 978000 lbf	- kN - lbf	- kN - lbf	104 : 1	≤ 0.1°	82 kg

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Contact Us

Add: Yiyang Bearing Industry Zone, Luoyang City.
Henan Province, China 471600

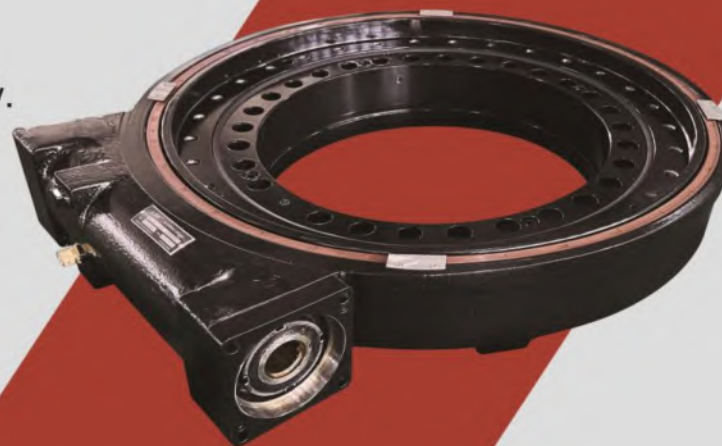
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Email: tony@ldb-bearing.com

Web: www.excavatorbearing.com



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LDB[®] SLEWING BEARING



20th

Over 20 years of
manufacturing experience



Export to more than
73 countries



High-tech
enterprise



Advanced
production equipment

致力于成为国际知名的转盘轴承制造商

TO BECOME A WELL-KNOWN INTERNATIONAL MANUFACTURER
OF SLEWING BEARINGS.



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洛阳隆达轴承有限公司 成立于1999年，位于中国轴承生产基地—河南洛阳，注册商标LDB®，是一家专门从事精密转盘轴承（回转支承）及精密回转驱动的设计、研发、制造、销售为一体的企业。公司于2019年通过了德国TUV认证公司的ISO9001:2015质量管理体系认证，从原材料入厂到成品出厂整个生产过程，实施严格的过程控制和质量控制。公司产品广泛应用于精密数控机床、港口机械、矿山机械、医疗设备冶金机械、工程机械、风能发电设备等领域。90%用于出口，目前已出口到全球73个国家和地区，主要出口到欧洲、亚洲、美洲、大洋洲等地区。公司在印度、伊朗、土耳其、俄罗斯等地拥有代理商。洛阳隆达轴承有限公司秉承“精心制造、服务全球”的企业愿景，竭诚为用户提供高品质的产品和全方位的服务。

公司的发展目标为：致力于成为国际知名的转盘轴承和回转驱动制造商。

Luoyang Longda Bearing Co.,Ltd. was established in 1999 and is located in Luoyang, Henan Province, China, known as the bearing production base. Registered under the trademark LDB®, the company specializes in the design, development, manufacturing, and sales of precision slewing bearings and precision slewing drives. In 2019, the company passed the ISO9001 : 2015 quality management system certification by the German TUV certification company, implementing strict process control and quality control from raw material input to finished product output. The company's products are widely used in various fields such as precision CNC machine tools, port machinery, mining machinery, medical equipment, metallurgical machinery, engineering machinery, and wind power generation equipment. 90% of the products are exported, and they have been exported to 73 countries and regions worldwide, mainly to Europe, Asia, the Americas, and Oceania. The company has agents in India, Iran, Turkey, Russia, and other countries. Adhering to the corporate vision of "meticulous manufacturing, serving the world," Luoyang Longda Bearing Co., Ltd. is committed to providing customers with high-quality products and comprehensive services.

The company's development goal is to become a well-known international manufacturer of slewing bearings and slewing drives.

20th

Over 20 years of
production experience



Exported to 73 countries



High and new
technology enterprises



Advanced
production equipment



Intimate service



Tuv certification



BUSINESS LICENSE



TRADEMARK



**FOREIGN TRADE
REGISTRATION FORM**



ISO CERTIFICATE



LETTER OF PATENT



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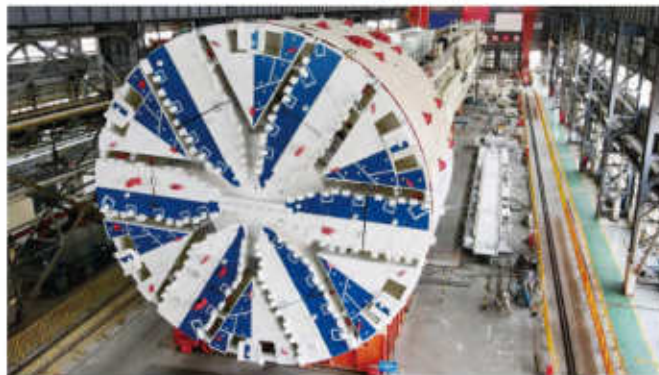
NEW HIGH-TECH ENTERPRISE



E-COMMERCE ENTERPRISES



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- 工业自动化
Industrial Automation
- 港口起重机
Port Cranes
- 矿山设备
Mining Equipment
- 医疗设备
Medical Equipment
- 水泥机械
Cement Machinery
- 风力发电
Wind Power Generation
- 冶金机械
Metallurgical Machinery
- 航空航天
Aerospace Industry
- 盾构设备
Shield Tunneling Equipment
- 工程机械
Construction Machinery
- 堆取料机设备
Stacker Reclaimer Equipment
- 雷达
Radar

LDB隆达轴承主要产品 Main Products of Longda Bearings

● **四点接触球转盘轴承 Four-Point Contact Ball Slewing Bearings**



● **交叉滚子转盘轴承 Crossed Roller Slewing Bearings**



● **法兰式转盘轴承 Flanged Slewing Bearings**



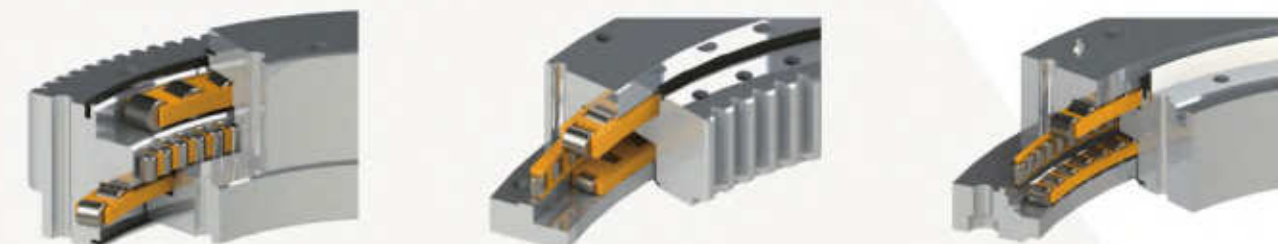
● **双排同径球转盘轴承 Double-Row Same Diameter Ball Slewing Bearings**



● **双排异径球转盘轴承 Double-Row Different Diameter Ball Slewing Bearings**

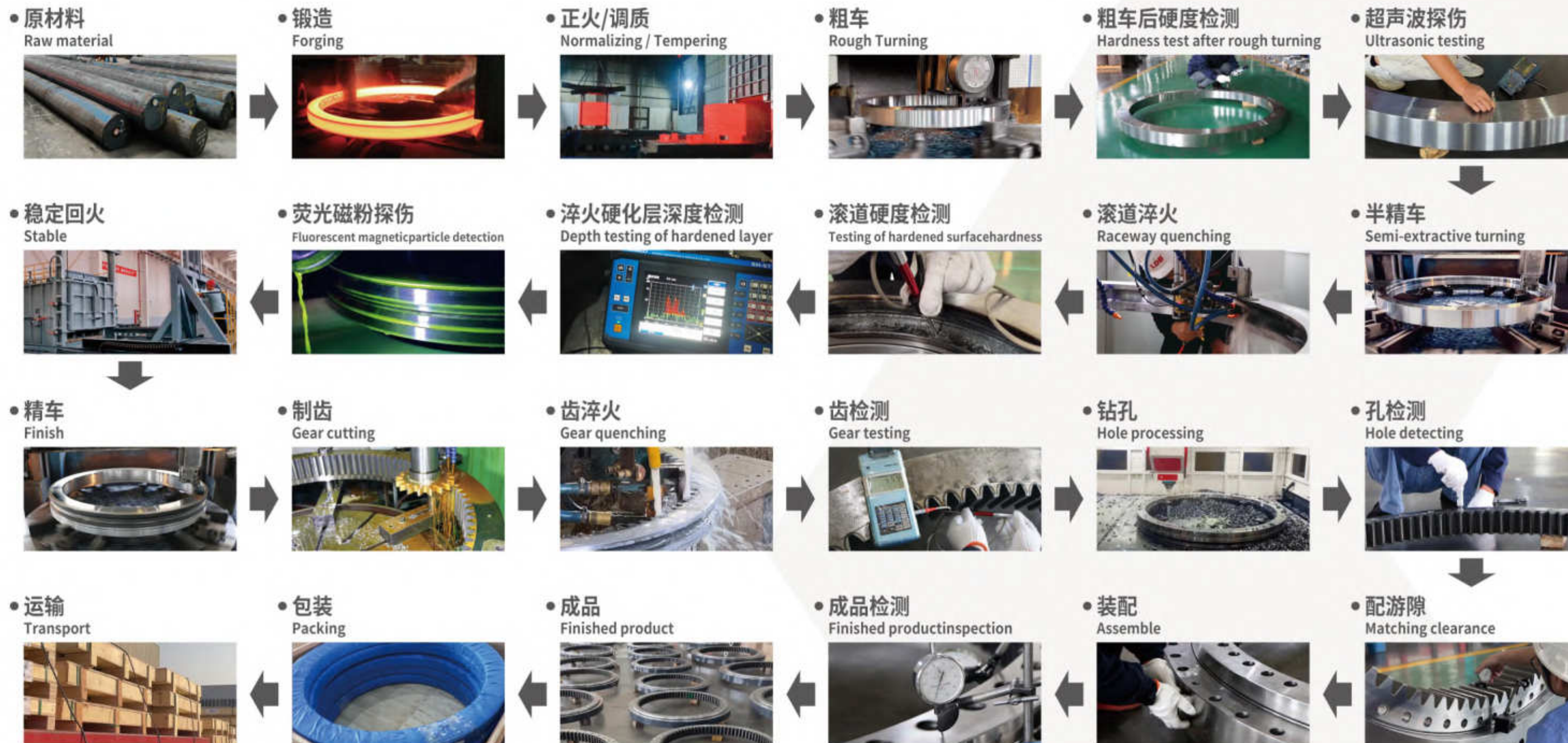


● **三排圆柱滚子组合转盘轴承 Three-Row Combination Cylindrical Roller Slewing Bearings**



• 数十道严格的工序层层把控，打造出符合世界品质的回转支承。

Through dozens of strict processes, we control each step to create slewing bearings that meet global quality standards



● 单排球式回转支承的选型计算

1、计算额定静容量

$$C_0 = f \cdot D \cdot d$$

式中: C_0 —额定静容量 KN
 f —静容量系数 0.108KN/mm²
 D —滚道中心直径 mm
 d —钢球公称直径 mm

2、根据组合后的外载荷, 计算当量轴向载荷

$$C_p = F_a + 4370M/D + 3.44F_r$$

式中: C_p —当量轴向载荷 KN
 M —倾翻力矩 KN.m
 F_a —轴向力 KN
 F_r —径向力 KN

3、计算安全系数

$$f_s = C_0 / C_p$$

f_s 值可按下表选取

● 三排柱式回转支承的选型计算

1、计算额定静容量

$$C_0 = f \cdot D \cdot d$$

式中: C_0 —额定静容量 KN
 f —静容量系数 0.172KN/mm²
 D —滚道中心直径 mm
 d —上排滚柱直径 mm

2、根据组合后的外载荷, 计算当量轴向载荷

$$C_p = F_a + 4500M/D$$

式中: C_p —当量轴向载荷 KN
 M —倾翻力矩 KN.m
 F_a —轴向力 KN

3、计算安全系数

$$f_s = C_0 / C_p$$

f_s 值可按下表选取

● 回转支承安全系数 f_s

工作类型	工作特性	机械举例	f_s
轻型 light duty	不经常满负荷, 回转平衡, 冲击小 Not often fully loaded, slewing balance, minimal impact	堆取料机, 汽车起重机, 非港口用轮式起重机 Stacker-reclaimer, truck crane, non-port wheeled crane	1.00~1.15
中型 middle duty	不经常满负荷, 回转较快, 有冲击 Not often fully loaded, rapid slewing, with impact	塔式起重机, 船用起重机, 覆带起重机 Tower crane, marine crane, gantry crane	1.15~1.30
重型 heavy duty	经常满负荷, 回转快, 冲击大 Frequently fully loaded, rapid slewing, significant impact	抓斗起重机, 港口起重机, 单斗挖掘机, 集装箱起重机 Grab crane, port crane, single-bucket excavator, container crane	1.30~1.45
特重型 extremely heavy duty	满负荷, 冲击大或工作场所条件恶劣 Fully loaded, with significant impact or under harsh working conditions	斗轮式挖掘机, 隧道掘进机, 冶金起重机, 海上作业平台起重机 Bucket-wheel excavator, tunnel boring machine, metallurgical crane, offshore platform crane	1.45~1.70

Selection Calculation for Single-Row Ball Slewing Bearings

Calculation of Rated Static Load Capacity

Rated Static Load Capacity
 Static Load Capacity Coefficient
 Raceway Center Diameter
 Nominal Diameter of Balls

Based on the combined external loads, calculate the equivalent axial load.

Equivalent axial load
 Overturning moment
 Axial force
 Radial force

Calculate safety factor

Values can be selected according to the table below

Selection calculation for 3-row columnar slewing bearing

Based on the combined external loads, calculate the equivalent axial load.

Rated Static Load Capacity
 Static Load Capacity Coefficient
 Raceway Center Diameter
 Upper row of roller diameter

Based on the combined external loads, calculate the equivalent axial load.

Equivalent axial load
 Overturning moment
 Axial force

Calculate safety factor

Values can be selected according to the table below

Security coefficient

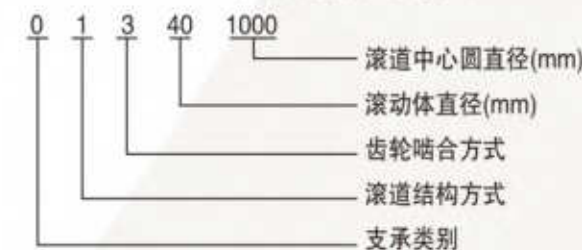
● 回转支承类型和系列

- 1、产品类别: 0—球类回转支承 Ball slewing bearing 1—滚柱类回转支承 Roller slewing bearing
- 2、滚道结构型式: 1—单排交叉滚柱式、单排四点接触球式 Raceway structure type: 1—Single-row crossed roller type, single-row four-point contact ball type
- 2—双排异径球式 Double-row different-diameter ball type
- 3—三排滚柱式 Three-row roller type
- 3、传动方式: 0—无齿式 Transmission method: 0—Toothless type
- 1—渐开线圆柱齿轮外啮合小模数 Involute cylindrical gear with small module external meshing
- 2—渐开线圆柱齿轮外啮合大模数 Involute cylindrical gear with large module external meshing
- 3—渐开线圆柱齿轮内啮合小模数 Involute cylindrical gear with small module internal meshing
- 4—渐开线圆柱齿轮内啮合大模数 Involute cylindrical gear with large module internal meshing
- 4、滚动体(钢球或滚子)直径 Rolling element (steel ball or roller) diameter
- 5、滚道中心圆直径 Raceway center circle diameter

● 基本型号规格举例

回转支承编号方法

JB/T2300—1999标准回转支承编号方法



JG/T66—1999标准回转支承编号方法



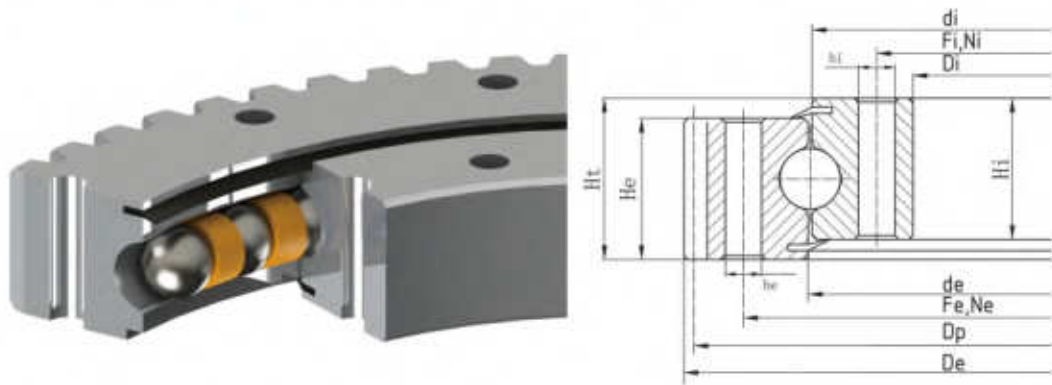
- 1、无齿式单排球式回转支承由相同滚道中心直径的外齿式内圈和内齿式外圈组成, 其堵塞与油孔布置在外圈上。
- 2、交叉滚柱式回转支承其滚道中心直径系列与单排球式回转支承滚道中心直径系列完全一致。但同一滚道中心直径的交叉滚柱式回转支承和单排球式回转支承的滚动体直径不同, 对应如下:

- 1、Toothless single-row ball slewing bearings consist of an external ring with internal teeth and an internal ring with external teeth, both having the same raceway center diameter, with seals and oil holes arranged on the external ring.
- 2、Crossed roller slewing bearings have the same series of raceway center diameters as single-row ball slewing bearings. However, for crossed roller slewing bearings and single-row ball slewing bearings with the same raceway center diameter, the diameter of the rolling elements differs as follows:

Q系列钢球直径 Q series steel ball diameter	20	25	32	40	50	60
J系列圆柱滚子直径 J series round laurel roller diameter	14	18	22	28	36	45

● 外齿型

External gear



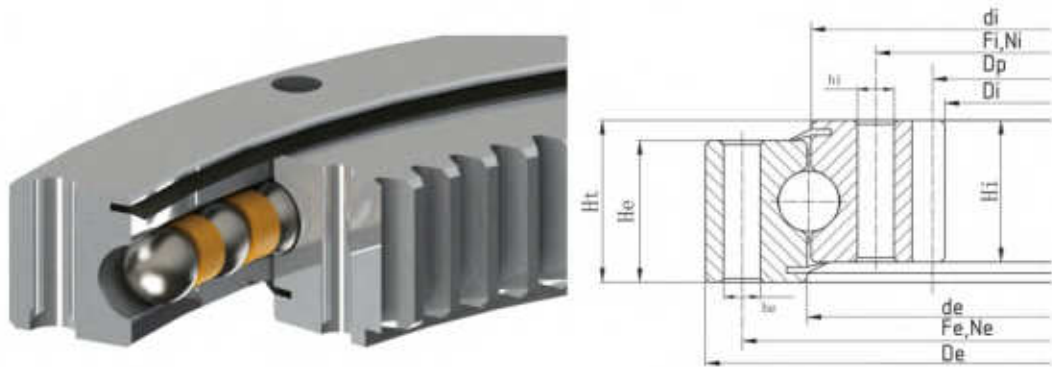
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LDB Code	Dimensions外形尺寸							Fixing Holes固定孔		Fixing Holes固定孔				Gear data齿参数				Load载荷		Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[kN]	[kN]	[kg]
1B12-E-0181	244	182	180	125	25	25	25	214	24	11	144.5	20	11	2	120		240			
1B17-E-0235	318	236	234	169	37	34	45	275	20	13.5	195	20	M12	3	104		312			
1B20-E-0289	379	290	288	210	40	40	45	335	24	13.5	240	24	13.5	4	92		372			
1B20-E-0314	404	315.5	312.5	242	45.5	45.5	56	355	20	M12	268	20	14	5	79		395	15	30	23
1B20-E-0414	504	415.5	412.5	342	45.5	45.5	56	455	20	M12	368	24	14	5	99		495	15	30	32
1B20-E-0544	640.8	545.5	542.5	472	45.5	45.5	56	585	28	M12	498	32	14	6	105		630	18	36	43
1B20-E-0644	742.8	645.5	642.5	572	45.5	45.5	56	685	32	M12	598	36	14	6	122		732	18	36	52
1B20-E-0744	838.8	745.5	742.5	672	45.5	45.5	56	785	36	M12	698	40	14	6	138		828	18	36	58
1B20-E-0844	950.4	845.5	842.5	772	45.5	45.5	56	885	36	M12	798	40	14	8	117		936	24	48	71
1B20-E-0944	1046.4	945.5	942.5	872	45.5	45.5	56	985	40	M12	898	44	14	8	129		1032	24	48	77
1B20-E-1094	1198.4	1095.5	1092.5	1022	45.5	45.5	56	1135	44	M12	1048	48	14	8	148		1184	24	48	90
1B25-E-0455	590.4	454	456	355	71	54	80	516	18	M20	395	18	22	8	72		576	38.6	77.2	74
1B25-E-0555	694.4	554	556	455	71	54	80	616	20	M20	495	20	22	8	85		680	38.6	77.2	93
1B25-E-0655	798.4	654	656	555	71	54	80	716	24	M20	595	24	22	8	98		784	38.6	77.2	111
1B25-E-0755	898	754	756	655	71	54	80	816	24	M20	695	24	22	9	98		882	43.4	86.8	125
1B25-E-0855	997	854	856	755	71	54	80	916	28	M20	795	28	22	9	109		981	43.4	86.8	145
1B25-E-0955	1096	954	956	855	71	54	80	1016	30	M20	895	30	22	9	120		1080	43.4	86.8	155
1B25-E-1055	1198	1054	1056	955	71	54	80	1116	30	M20	995	30	22	10	118		1180	48.3	96.6	171
1B25-E-1155	1298	1154	1156	1055	71	54	80	1216	36	M20	1095	36	22	10	128		1280	48.3	96.6	186
1B25-E-1255	1398	1254	1256	1155	71	54	80	1316	42	M20	1195	42	22	10	138		1380	48.3	96.6	201
1B25-E-1355	1498	1354	1356	1255	71	54	80	1416	42	M20	1295	42	22	10	148		1480	48.3	96.6	218
1B25-E-1455	1598	1454	1456	1355	71	54	80	1516	48	M20	1395	48	22	10	158		1580	48.3	96.6	233
1B25-E-1204	1338	1207.5	1200.5	1119	58	58	68	1257	45	16	1151	45	16	10	131	5	1310	46.4	92.8	154
1B25-E-1314	1448	1317.5	1310.5	1229	58	58	68	1367	50	16	1261	50	16	10	142	5	1420	46.4	92.8	166
1B25-E-1424	1558	1427.5	1420.5	1339	58	58	68	1477	54	16	1371	54	16	10	153	5	1530	46.4	92.8	180
1B25-E-1534	1668	1537.5	1530.5	1449	58	58	68	1587	60	16	1481	60	16	10	164	5	1640	46.4	92.8	193
1B25-E-1644	1791	1647.5	1640.5	1536	58	58	68	1708	54	22	1580	54	22	10	176	6.5	1760	46.4	92.8	237
1B25-E-1754	1901	1757.5	1750.5	1646	58	58	68	1818	60	22	1690	60	22	10	187	6.5	1870	46.4	92.8	257
1B25-E-1904	2073	1907.5	1900.5	1796	58	58	68	1968	64	22	1840	64	22	14	145	6.5	2030	65	130	300
1B50-E-1900	2139.2	1898	1902	1729	100	99	109	2005	36	33	1795	36	33	14	150	7	2100	128.5	257	820
1B50-E-2130	2380.8	2128	2132	1959	100	99	109	2235	48	33	2025	48	33	16	146	8	2336	146.8	293.6	931
1B50-E-2355	2604.8	2353	2357	2184	100	99	109	2460	54	33	2250	54	33	16	160	8	2560	146.8	293.6	1024
1B50-E-2645	2892.8	2643	2647	2474	100	99	109	2750	60	33	2540	60	33	16	178	8	2848	146.8	293.6	1142

● 内齿型

Internal gear



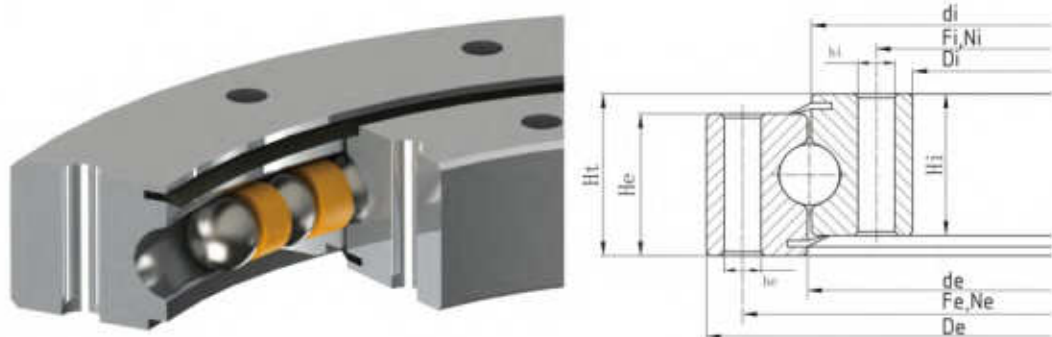
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	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
1B15-I-0245	300	246	244	174.5	32	32	40	280	20	11	210	20	11	3	60		180			
1B20-I-0307	385	309.5	306.5	217	45	45	55	358	24	13.5	259	24	13.5	4	56		224			
1B20-I-0314	386	315.5	312.5	225	45.5	45.5	56	360	24	14	275	24	M12	5	47		235	15.6	31	22
1B20-I-0414	486	415.5	412.5	325	45.5	45.5	56	460	24	14	375	24	M12	5	67		335	15.6	31	31
1B20-I-0544	616	545.5	542.5	444	45.5	45.5	56	590	32	14	505	32	M12	6	76		456	18.7	37.4	43
1B20-I-0644	716	645.5	642.5	546	45.5	45.5	56	690	36	14	605	36	M12	6	93		558	18.7	37.4	50
1B20-I-0744	816	745.5	742.5	648	45.5	45.5	56	790	40	14	705	40	M12	6	110		660	18.7	37.4	57
1B20-I-0844	916	845.5	842.5	736	45.5	45.5	56	890	40	14	805	40	M12	8	94		752	25	50	69
1B20-I-0944	1016	945.5	942.5	840	45.5	45.5	56	990	44	14	905	44	M12	8	107		856	25	50	75
1B20-I-1094	1166	1095.5	1092.5	984	45.5	45.5	56	1140	48	14	1055	48	M12	8	125		1000	25	50	91
1B25-I-0455	555	454	456	304	54	71	80	515	18	22	394	18	M20	8	40		320	40.2	80.4	64
1B25-I-0555	655	554	556	416	54	71	80	615	20	22	494	20	M20	8	54		432	40.2	80.4	76
1B25-I-0655	755	654	656	512	54	71	80	715	24	22	594	24	M20	8	66		528	40.2	80.4	102
1B25-I-0755	855	754	756	610	54	71	80	815	24	22	694	24	M20	10	63		630	50.3	100.6	119
1B25-I-0855	955	854	856	710	54	71	80	915	28	22	794	28	M20	10	73		730	50.3	100.6	137
1B25-I-0955	1055	954	956	810	54	71	80	1015	30	22	894	30	M20	10	83		830	50.3	100.6	149
1B25-I-1055	1155	1054	1056	910	54	71	80	1115	30	22	994	30	M20	10	93		930	50.3	100.6	165
1B25-I-1155	1255	1154	1156	1010	54	71	80	1215	36	22	1094	36	M20	10	103		1030	50.3	100.6	180
1B25-I-1255	1355	1254	1256	1110	54	71	80	1315	42	22	1194	42	M20	10	113		1130	50.3	100.6	195
1B25-I-1355	1455	1354	1356	1210	54	71	80	1415	42	22	1294	42	M20	10	123		1230	50.3	100.6	212
1B25-I-1455	1555	1454	1456	1310	54	71	80	1515	48	22	1394	48	M20	10	133		1330	50.3	100.6	227
1B25-I-1204	1289	1207.5	1200.5	1072	58	58	68	1257	45	16	1151	45	16	10	108	-5	1080	48.3	96.6	145
1B25-I-1314	1399	1317.5	1310.5	1182	58	58	68	1367	50	16	1261	50	16	10	119	-5	1190	48.3	96.6	159
1B25-I-1424	1509	1427.5	1420.5	1292	58	58	68	1477	54	16	1371	54	16	10	130	-5	1300	48.3	96.6	172
1B25-I-1534	1619	1537.5	1530.5	1402	58	58	68	1587	60	16	1481	60	16	10	141	-5	1410	48.3	96.6	186
1B25-I-1644	1752	1647.5	1640.5	1495	58	58	68	1708	54	22	1580	54	22	10	150	-6.5	1500	48.3	96.6	236
1B25-I-1754	1862	1757.5	1750.5	1605	58	58	68	1818	60	22	1690	60	22	10	161	-6.5	1610	48.3	96.6	252
1B25-I-1904	2012	1907.5	1900.5	1729	58	58	68	1968	64	22	1840	64	22	14	124	-6.5	1736	67.6	135.2	299
1B50-I-1800	1971	1798	1802	1554	99	100	109	1905	36	33	1695	36	33	14	112	-7	1568	128.5	257	762
1B50-I-2000	2171	1998	2002	1764	99	100	109	2105	40	33	1895	40	33	14	127	-7	1778	128.5	257	843
1B50-I-2240	2411	2238	2242	1984	99	100	109	2345	48	33	2135	48	33	16	125	-8	2000	146.8	293.6	961
1B50-I-2490	2661	2488	2492	2240	99	100	109	2595	54	33	2385	54	33	16	141	-8	2256	146.8	293.6	1053
1B50-I-2800	2971	2798	2802	2544	99	100	109	2905	60	33	2695	60	33	16	160	-8	2560	146.8	293.6	1205

● 无齿型

Toothless

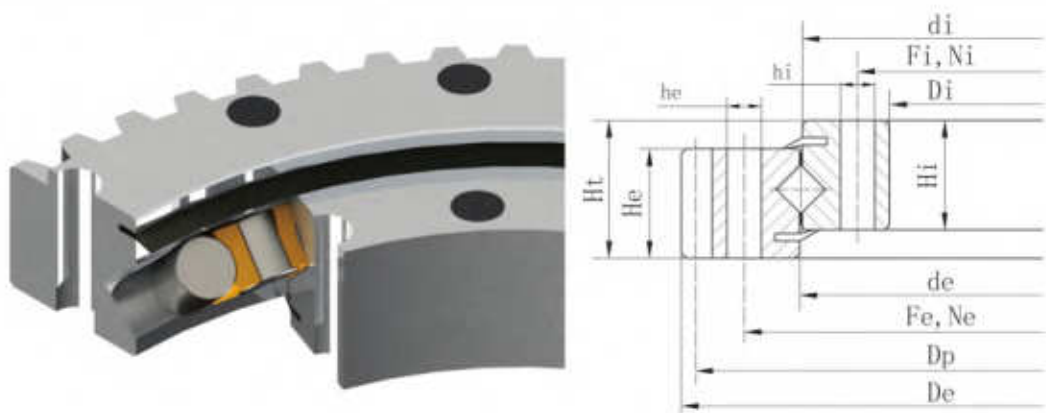


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LDB Code	Dimensions外形尺寸							Fixing Holes固定孔						Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[kg]
1B12-U-0181	234	182	180	125	25	25	25	214	24	11	144.5	20	11	5
1B19-U-0217	290	218	216	150	41.5	40	41.5	265	16	14	175	16	M12	14
1B20-U-0260	329	261	259	190	44	44	45	305	16	14	215	16	14	17
1B20-U-0314	386	315.5	312.5	242	45.5	45.5	56	360	20	14	268	20	14	21
1B20-U-0414	486	415.5	412.5	342	45.5	45.5	56	460	24	14	368	24	14	29
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1B20-U-0844	916	845.5	842.5	772	45.5	45.5	56	890	40	14	798	40	14	59
1B20-U-0944	1016	945.5	942.5	872	45.5	45.5	56	990	44	14	898	44	14	66
1B20-U-1094	1166	1095.5	1092.5	1022	45.5	45.5	56	1140	48	14	1048	48	14	77
1B25-U-0455	555	454	456	355	54	54	63	515	18	22	395	18	22	53
1B25-U-0555	655	554	556	455	54	54	63	615	20	22	495	20	22	65
1B25-U-0655	755	654	656	555	54	54	63	715	24	22	595	24	22	76
1B25-U-0755	855	754	756	655	54	54	63	815	24	22	695	24	22	90
1B25-U-0855	955	854	856	755	54	54	63	915	28	22	795	28	22	101
1B25-U-0955	1055	954	956	855	54	54	63	1015	30	22	895	30	22	115
1B25-U-1055	1155	1054	1056	955	54	54	63	1115	30	22	995	30	22	128
1B25-U-1155	1255	1154	1156	1055	54	54	63	1215	36	22	1095	36	22	139
1B25-U-1255	1355	1254	1256	1155	54	54	63	1315	42	22	1195	42	22	150
1B25-U-1355	1455	1354	1356	1255	54	54	63	1415	42	22	1295	42	22	163
1B25-U-1455	1555	1454	1456	1355	54	54	63	1515	48	22	1395	48	22	174
1B25-U-1204	1289	1206	1202	1119	58	58	68	1257	45	16	1151	45	16	121
1B25-U-1314	1399	1316	1312	1229	58	58	68	1367	50	16	1261	50	16	132
1B25-U-1424	1509	1426	1422	1339	58	58	68	1477	54	16	1371	54	16	143
1B25-U-1534	1619	1536	1532	1449	58	58	68	1587	60	16	1481	60	16	154
1B25-U-1644	1752	1646	1642	1536	58	58	68	1708	54	22	1580	54	22	209
1B25-U-1754	1862	1756	1752	1646	58	58	68	1818	60	22	1690	60	22	222
1B25-U-1904	2012	1906	1902	1796	58	58	68	1968	64	22	1840	64	22	241

● 外齿型
External gear

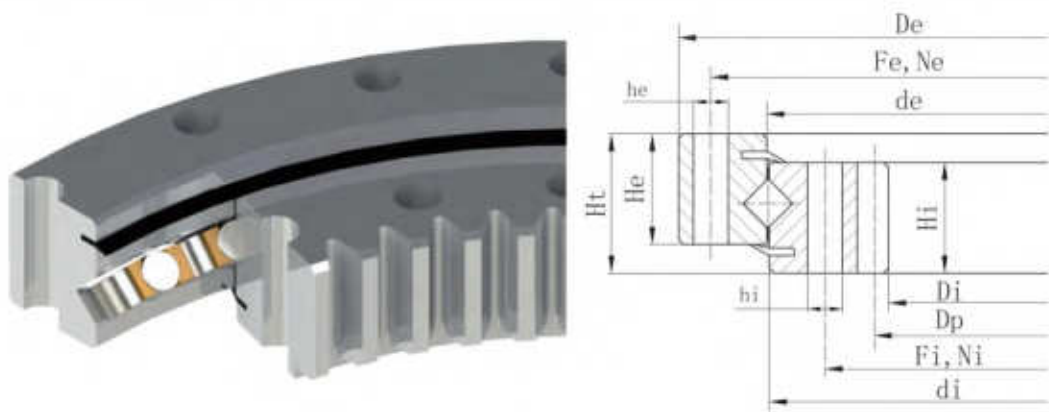


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LDB Code	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数				载荷		weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]			[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
1X14-E-0414	503.3	417	413	342	44.5	44.5	56	455	20	M12	368	24	14	5	99		495	15.13	30.26	32
1X14-E-0544	640.3	547	543	472	44.5	44.5	56	585	28	M12	498	32	14	6	105		630	18.16	36.31	43
1X14-E-0644	742.3	647	643	572	44.5	44.5	56	685	32	M12	598	36	14	6	122		732	18.16	36.31	52
1X14-E-0744	838.1	747	743	672	44.5	44.5	56	785	36	M12	698	40	14	6	138		828	18.16	36.31	58
1X14-E-0844	950.1	847	843	772	44.5	44.5	56	885	36	M12	798	40	14	8	117		936	24.21	48.42	71
1X14-E-0944	1046.1	947	943	872	44.5	44.5	56	985	40	M12	898	44	14	8	129		1032	24.21	48.42	77
1X14-E-1044	1198.1	1097	1093	1022	44.5	44.5	56	1135	44	M12	1048	48	14	8	148		1184	24.21	48.42	90
1X16-E-1204	1338	1206	1202	1119	58	58	68	1257	45	16	1151	45	16	10	131		1310	46.4	92.8	154
1X16-E-1314	1448	1316	1312	1229	58	58	68	1367	50	16	1261	50	16	10	142		1420	46.4	92.8	168
1X16-E-1424	1558	1426	1422	1339	58	58	68	1477	54	16	1371	54	16	10	153		1530	46.4	92.8	182
1X16-E-1534	1668	1536	1532	1449	58	58	68	1587	60	16	1481	60	16	10	164		1640	46.4	92.8	195
1X16-E-1644	1791	1646	1642	1536	58	58	68	1708	54	22	1580	54	22	10	176		1760	46.4	92.8	242
1X16-E-1754	1901	1756	1752	1646	58	58	68	1818	60	22	1690	60	22	10	187		1870	46.4	92.8	258
1X20-E-1904	2073.4	1906	1902	1796	58	58	68	1968	64	22	1840	64	22	14	145		2030	64.96	129.92	306
1X20-E-0307	403.5	308	306	234	47	45	55	358	24	13	259	28-1	13	4.5	88		-	396	15.12	24
1X25-E-0400	535	401.5	398.5	305	63	63	75	466	18	20	336	18	20	8	65		-	520	35.2	61
1X25-E-0475	589	476.5	473.5	383	63	63	75	540	18	20	410	18	20	5	116		-	580	22	63
1X30-E-0508	654	509.5	506.5	391	73	73	85	582	30	22	432	30-1	22	8	80		-	640	38.44	97
1X25-E-0574	700	575.5	572.5	479	64	64	77	640	36	18	508	36-1	18	6	114		3	690	34.78	82
1X25-E-0675	816	676.5	673.5	573	73	70	90	753	18	22	604	18	22	6	132		6552	805.1	37.68	124
1X25-E-0734	886	735.5	732.5	614	75	70	85	810	30	22	658	30	22	8	108		4	872	57.97	155
1X30-E-0823	979	824.5	821.5	717	79	82	100	893	36	22	753	36-1	22	10	94		11	962	62.8	178
1X30-E-0980	1144	981.5	978.5	869	79	84	100	1050	36	22	910	36	22	10	111		8	1126	64.73	228
1X36-E-1116	1289.5	1118	1114	984	90	94	114	1198	40	22	1035	40	22	10	125		10.5	1271	75.4	335
1X36-E-1250	1476	1252	1248	1079	91	100	110	1350	40	26	1150	40	26	10	144		8.6	1457.2	75.4	505
1X45-E-1390	1604	1392	1388	1204	112	116	130	1500	48	30	1280	48	30	10	157		7.5	1585	87	620
1X45-E-1595	1836	1597	1593	1436	120	115	135	1700	45	30	1485	45	30	16	112		8	1808	185.5	791
1X45-E-1790	2027	1792	1788	1616	130	128	150	1905	48	30	1675	48	30	14	142		7	2002	175.8	1004
1X50-E-2002	2267	2004	2000	1821	129	119	140	2124	72	30	1880	72	30	16	139		8	2240	199.4	1174
1X50-E-2242	2534	2244	2240	2048	132	122	144	2373	60	33	2112	60	33	18	138		9	2502	229.6	1482
1X50-E-2500	2790	2502	2498	2296	148	142	164	2640	72	33	2360	72	33	18	151		19.8	2757.6	257.4	1895
1X50-E-2810	3116	2812	2808	2606	148	142	164	2950	80	33	2670	80	33	20	152		20	3080	286	2200

● 内齿型
Internal gear

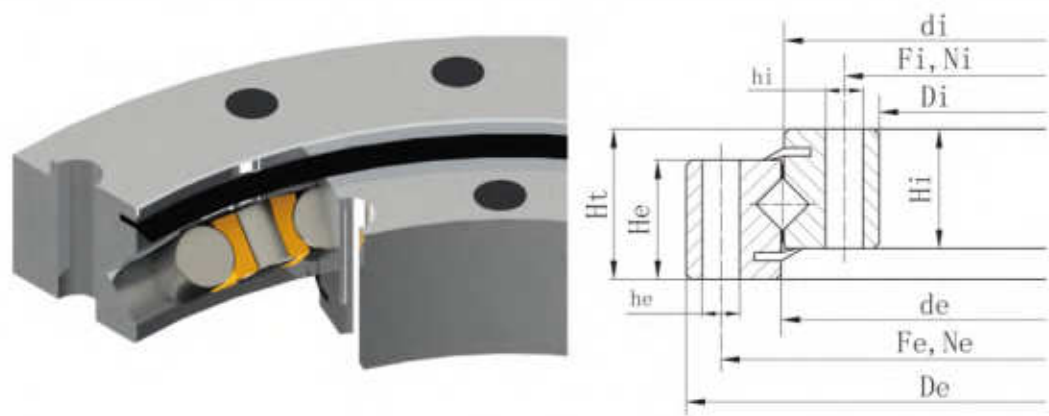


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	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数				Preload载荷		weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	m	Z	xm	Dp	fz norm	fz max	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[-]	[mm]	[mm]	[-]		[mm]	[kN]	[kN]	[kg]
1X14-I-0414	484	415	411	325	44.5	44.5	56	460	24	14	375	24	M12	5	67		335	17.7	26.2	31
1X14-I-0544	614	545	541	444	44.5	44.5	56	590	32	14	505	32	M12	6	76		456	23.7	35	43
1X14-I-0644	714	645	641	546	44.5	44.5	56	690	36	14	605	36	M12	6	93		558	23.7	35	50
1X14-I-0744	814	745	741	648	44.5	44.5	56	790	40	14	705	40	M12	6	110		660	23.7	35	58
1X14-I-0844	914	845	841	736	44.5	44.5	56	890	40	14	805	40	M12	8	94		752	31.4	46.7	69
1X14-I-0944	1014	945	941	840	44.5	44.5	56	990	44	14	905	44	M12	8	107		856	31.4	46.7	76
1X14-I-1094	1164	1095	1091	984	44.5	44.5	56	1140	48	14	1055	48	M12	8	125		1000	31.4	46.7	91
1X16-I-1204	1289	1206	1202	1072	58	58	68	1257	45	16	1151	45	16	10	108		1080	48.33	96.67	148
1X16-I-1314	1399	1316	1312	1182	58	58	68	1367	50	16	1261	50	16	10	119		1190	48.33	96.67	161
1X16-I-1424	1509	1426	1422	1292	58	58	68	1477	54	16	1371	54	16	10	130		1300	48.33	96.67	175
1X16-I-1534	1619	1536	1532	1402	58	58	68	1587	60	16	1481	60	16	10	141		1410	48.33	96.67	189
1X16-I-1644	1752	1646	1642	1495	58	58	68	1708	54	22	1580	54	22	10	150		1500	48.33	96.67	239
1X16-I-1754	1862	1756	1752	1605	58	58	68	1818	60	22	1690	60	22	10	161		1610	48.33	96.67	256
1X20-I-1904	2012	1906	1902	1729	58	58	68	1968	64	22	1840	64	22	14	124		1736	67.67	135.33	304
1X16-I-0380	451	381	379	291	55	45	45	425	24	13.5	335	24	13.5	5	60	-	300			28
1X20-I-0489	562	490.5	487.5	385	50	50	60	538	30	14	440	30	14	6	66	-	396			44
1X20-I-0573	665	574.5	571.5	457	50	50	60	630	28	17.5	518	28	17.5	6	77	-3	468			62
1X25-I-0673	771	674.5	671.5	541	60	60	70	736	32	17.5	610	32	17.5	6	91	-3	552			96
1X25-I-0714	825	715.5	712.5	567.5	62	78	90	785	26	18	640	20	18	7	82	-	581			135
1X25-I-0770	871	771.5	768.5	634	60	60	70	833	36	17.5	707	36	17.5	8	80	-4	648			112
1X25-I-0849	960	850.5	847.5	706	65	65	70	914	30	22	784	30	22	8	89	-4	720			14.4
1X25-I-0946	1066	947.5	944.5	785	65	75	85	1015	36	22	880	36	22	10	79	-6.52	803.04			190
1X25-I-1050	1170	1052	1048	882	80	88	98	1125	40	22	975	40	22	10	89	-	900			258
1X30-I-1140	1251	1143	1138	979	75	75	91	1212	40	22	1068	40	22	10	99	-3.2	996.4	72.5		239
1X36-I-1304	1431	1306	1302	1143	82	85	97	1380	48	22	1228	48	22	10	115	-	1143	82.1		323
1X40-I-1385	1530	1387	1383	1178	107	107	130	1480	36	26	1290	36	26	12	100	-	1200	107		541
1X45-I-1606	1770	1608	1604	1375	125	125	150	1710	48	30	1500	48	30	14	100	-	1400	128.3		802
1X45-I-1830	2002	1832	1828	1595	125	125	150	1940	54	30	1720	54	30	14	115	-4.9	1619.8	155.6		951
1X50-I-1997	2190	1999	1995	1731	127	132	144	2130	72	30	1880	72	30	16	109	-8	1760	204.1		1199
1X50-I-2400	2590	2402	2398	2110	135	145	160	2520	80	30	2280	80	30	18	118	-9	2142	252.2		1626
1X50-I-2810	3020	2812	2808	2495	140	148	158	2950	72	36	2670	72	36	20	126	-6	2532	286		2154

● 无齿型
Toothless

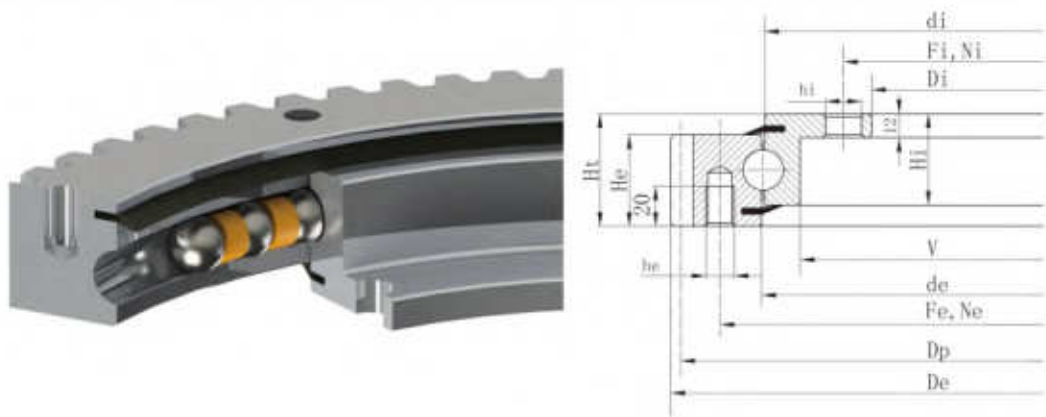


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	Dimensions外形尺寸							Fixing Holes孔参数						weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	
	[mm]	[mm]	[mm]	[-]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[kg]
1X16-U-0220	300	221	219	140	44	44	52	270	12	18	170	12	18	16
1X16-U-0270	350	271	269	190	44	44	52	320	16	18	220	16	18	20
1X20-U-0307	403.5	308	306	234	47	45	55	358	24	13	259	28	13	26
1X20-U-0340	440	341.5	338.5	240	53	53	60	400	18	22	280	18	22	37
1X14-U-0414	486	415	413	342	44.5	44.5	56	460	24	14	368	24	14	28
1X14-U-0544	616	545	543	472	44.5	44.5	56	590	32	14	498	32	14	38
1X14-U-0644	716	645	643	572	44.5	44.5	56	690	36	14	598	36	14	44
1X14-U-0744	816	745	743	672	44.5	44.5	56	790	40	14	698	40	14	52
1X14-U-0844	916	845	843	772	44.5	44.5	56	890	40	14	798	40	14	60
1X14-U-0944	1016	945	943	872	44.5	44.5	56	990	44	14	898	44	14	67
1X14-U-1094	1166	1095	1093	1022	44.5	44.5	56	1140	48	14	1048	48	14	77
1X16-U-1204	1289	1206	1202	1119	58	58	68	1257	45	16	1151	45	16	124
1X16-U-1314	1399	1316	1312	1229	58	58	68	1367	50	16	1261	50	16	135
1X16-U-1424	1509	1426	1422	1339	58	58	68	1477	54	16	1371	54	16	146
1X16-U-1534	1619	1536	1532	1449	58	58	68	1587	60	16	1481	60	16	158
1X16-U-1644	1752	1646	1642	1536	58	58	68	1708	54	22	1580	54	22	214
1X16-U-1754	1862	1756	1752	1646	58	58	68	1818	60	22	1690	60	22	228
1X16-U-1904	2012	1906	1902	1796	58	58	68	1968	64	22	1840	64	22	248

外齿型
External gear

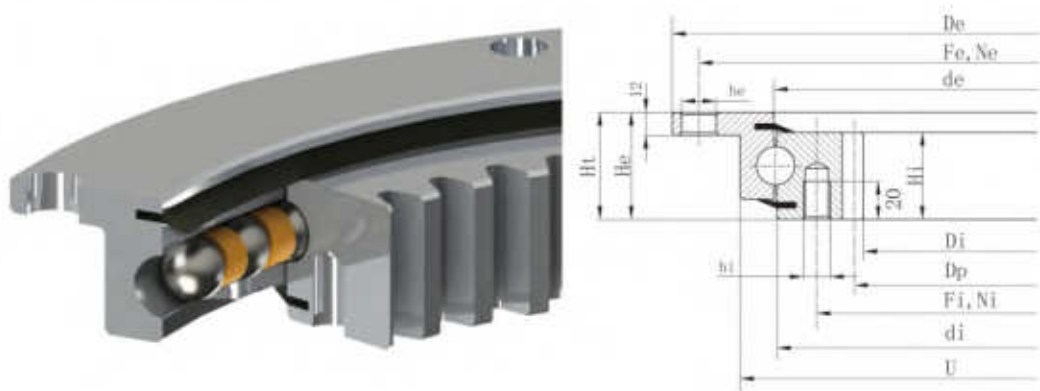


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

LDB Code	Dimensions外形尺寸									Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	D_e	D_i	H_e	H_i	H_t	d_i	d_e	U	V	F_e	F_i	N_e	h_e	N_i	h_i	D_p	m	z	k.m	[kN]	[kN]	KG
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]					[mm]			[mm]			
1L20-E-0400	504	304	45.5	45.5	56	412.5	415.5		375	455	332	10	M12	24	18	495	5	99	-0.5	11.8	23.5	29
1L20-E-0500	640.8	434	45.5	45.5	56	542.5	545.5		505	585	462	14	M12	28	18	630	6	105	-0.6	14.2	28.4	39.2
1L20-E-0600	742.8	534	45.5	45.5	56	642.5	645.5		605	685	562	16	M12	32	18	732	6	122	-0.6	14.2	28.4	47.2
1L20-E-0700	838.8	634	45.5	45.5	56	742.5	745.5		705	785	662	18	M12	32	18	828	6	138	-0.6	14.2	28.4	53.1
1L20-E-0800	950.4	734	45.5	45.5	56	842.5	845.5		805	885	762	18	M12	36	18	936	8	117	-0.8	18.9	37.9	64.7
1L20-E-0900	1046	834	45.5	45.5	56	942.5	945.5		905	985	862	20	M12	40	18	1032	8	129	-0.8	18.9	37.9	69.1
1L20-E-1000	1198	984	45.5	45.5	56	1093	1096		1055	1135	1012	22	M12	40	18	1184	8	148	-0.8	18.9	37.9	82.5
1L21-E-0475	504	305	45.5	45.5	56	412.5	417		375	455	332	10	M12	12	18	495	5	99	-0.5	11.8	23.5	29.3
1L21-E-0575	640.8	435	45.5	45.5	56	542.5	547		505	585	462	14	M12	14	18	630	6	105	-0.6	14.2	28.4	39.5
1L21-E-0675	742.8	535	45.5	45.5	56	642.5	647		605	685	562	16	M12	16	18	732	6	122	-0.6	14.2	28.4	47.6
1L21-E-0775	838.8	635	45.5	45.5	56	742.5	747		705	785	662	18	M12	16	18	828	6	138	-0.6	14.2	28.4	53.5
1L21-E-0875	950.4	735	45.5	45.5	56	842.5	847		805	885	762	18	M12	18	18	936	8	117	-0.8	18.9	37.9	65.1
1L21-E-0975	1046	835	45.5	45.5	56	942.5	947		905	985	862	20	M12	20	18	1032	8	129	-0.8	18.9	37.9	69.6
1L21-E-1075	1198	985	45.5	45.5	56	1093	1097		1055	1135	1012	22	M12	20	18	1184	8	148	-0.8	18.9	37.9	83
1L30-E-0900	1096	805	71	71	90	956.5	953.5	-	893	1016	845	30	M20	30	22	1080	9	120	-0.9	33.2	66.5	165
1L30-E-1000	1198	905	71	71	90	1057	1054	-	993	1116	945	30	M20	30	22	1180	10	118	-1	36.9	73.8	183
1L30-E-1100	1298	1005	71	71	90	1157	1154	-	1093	1216	1045	36	M20	36	22	1280	10	128	-1	36.9	73.8	200
1L30-E-1200	1398	1105	71	71	90	1257	1254	-	1193	1316	1145	42	M20	42	22	1380	10	138	-1	36.9	73.8	216
1L30-E-1300	1498	1205	71	71	90	1357	1354	-	1293	1416	1245	42	M20	42	22	1480	10	148	-1	36.9	73.8	234
1L30-E-1400	1598	1305	71	71	90	1457	1454	-	1393	1516	1345	48	M20	48	22	1580	10	158	-1	36.9	73.8	250
1L30-E-0975	1096	807	71	71	90	956.5	955	-	893	1016	845	30	M20	30	22	1080	9	120	-0.9	33.2	66.4	165
1L30-E-1075	1198	907	71	71	90	1057	1055	-	993	1116	945	30	M20	30	22	1180	9	118	-1	36.9	73.8	183
1L30-E-1175	1298	1007	71	71	90	1157	1155	-	1093	1216	1045	36	M20	36	22	1280	9	128	-1	36.9	73.8	200
1L30-E-1275	1398	1107	71	71	90	1257	1255	-	1193	1316	1145	42	M20	42	22	1380	9	138	-1	36.9	73.8	216
1L30-E-1375	1498	1207	71	71	90	1357	1355	-	1293	1416	1245	42	M20	42	22	1480	9	148	-1	36.9	73.8	234
1L30-E-1475	1598	1307	71	71	90	1457	1455	-	1393	1516	1345	48	M20	48	22	1580	9	158	-1	36.9	73.8	250

● 内齿型
Internal gear

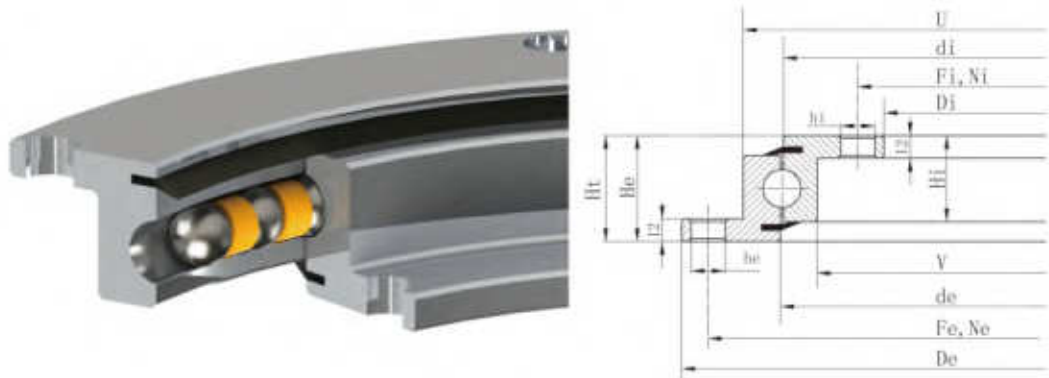


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

LDB Code	Dimensions外形尺寸									Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	De	Di	He	Hi	Ht	di	de	U	V	Fe	Fi	Ne	he	Ni	hi	Dp	m	z	k.m			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]					[mm]			[mm]	[kN]	[kN]	KG
1L20-I-0400	518	326.5	45.5	45.5	56	412.5	415.5	453		490	375	16	18	12	M12	335	5	67	-0.8	13.5	27.1	26.9
1L20-I-0500	648	445.2	45.5	45.5	56	542.5	545.5	583		620	505	20	18	16	M12	456	6	76	-0.6	16	32	36.7
1L20-I-0600	748	547.2	45.5	45.5	56	642.5	645.5	683		720	605	24	18	18	M12	558	6	93	-0.6	15.6	31.2	43.4
1L20-I-0700	848	649.2	45.5	45.5	56	742.5	745.5	783		820	705	24	18	20	M12	660	6	110	-0.6	15.3	30.6	50.8
1L20-I-0800	948	737.6	45.5	45.5	56	842.5	845.5	883		920	805	28	18	20	M12	752	8	94	-0.8	20.8	41.6	61.3
1L20-I-0900	1048	841.6	45.5	45.5	56	942.5	945.5	983		1020	905	32	18	22	M12	856	8	107	-0.8	20.5	41	65.4
1L20-I-1000	1198	985.6	45.5	45.5	56	1093	1096	1133		1170	1055	32	18	24	M12	1000	8	125	-0.8	20.2	40.3	80.3
1L21-I-0475	517	326.5	45.5	45.5	56	412.5	415.5	453		490	375	8	18	12	M12	335	5	67	-0.8	13.5	27.1	27.1
1L21-I-0575	647	445.2	45.5	45.5	56	542.5	545.5	583		620	505	10	18	16	M12	456	6	76	-0.6	16	32	36.9
1L21-I-0675	747	547.2	45.5	45.5	56	642.5	645.5	683		720	605	12	18	18	M12	558	6	93	-0.6	15.6	31.2	43.7
1L21-I-0775	847	649.2	45.5	45.5	56	742.5	745.5	783		820	705	12	18	20	M12	660	6	110	-0.6	15.3	30.6	51.1
1L21-I-0875	947	737.6	45.5	45.5	56	842.5	845.5	883		920	805	14	18	20	M12	752	8	94	-0.8	20.8	41.6	61.6
1L21-I-0975	1047	841.6	45.5	45.5	56	942.5	945.5	983		1020	905	16	18	22	M12	856	8	107	-0.8	20.5	41	65.8
1L21-I-1075	1197	985.6	45.5	45.5	56	1093	1096	1133		1170	1055	16	18	24	M12	1000	8	125	-0.8	20.2	40.3	80.7
1L30-I-0900	1100	812	71	71	90	956.5	953.5	1017	-	1060	894	30	22	30	M20	830	10	83	-1	41.2	82.4	159
1L30-I-1000	1200	912	71	71	90	1057	1054	1117	-	1160	994	30	22	30	M20	930	10	93	-1	40.6	81.3	176
1L30-I-1100	1300	1012	71	71	90	1157	1154	1217	-	1260	1094	36	22	36	M20	1030	10	103	-1	40.2	80.3	192
1L30-I-1200	1400	1112	71	71	90	1257	1254	1317	-	1360	1194	42	22	42	M20	1130	10	113	-1	39.7	79.5	208
1L30-I-1300	1500	1212	71	71	90	1357	1354	1417	-	1460	1294	42	22	42	M20	1230	10	123	-1	39.4	78.8	226
1L30-I-1400	1600	1310	71	71	90	1457	1454	1517	-	1560	1394	48	22	48	M20	1330	10	133	-	39.1	78.2	243
1L30-I-0975	1098	812	71	71	90	955	953.5	1017	-	1060	894	30	22	30	M20	830	10	83	-1	41.2	82.4	159
1L30-I-1075	1198	912	71	71	90	1055	1054	1117	-	1160	994	30	22	30	M20	930	10	93	-1	40.6	81.3	176
1L30-I-1175	1298	1012	71	71	90	1155	1154	1217	-	1260	1094	36	22	36	M20	1030	10	103	-1	40.2	80.3	192
1L30-I-1275	1398	1112	71	71	90	1255	1254	1317	-	1360	1194	42	22	42	M20	1130	10	113	-1	39.7	79.5	208
1L30-I-1375	1498	1212	71	71	90	1355	1354	1417	-	1460	1294	42	22	42	M20	1230	10	123	-1	39.4	78.8	226
1L30-I-1475	1598	1310	71	71	90	1455	1454	1517	-	1560	1394	48	22	48	M20	1330	10	133	-	39.1	78.2	243

● 无齿型
Toothless

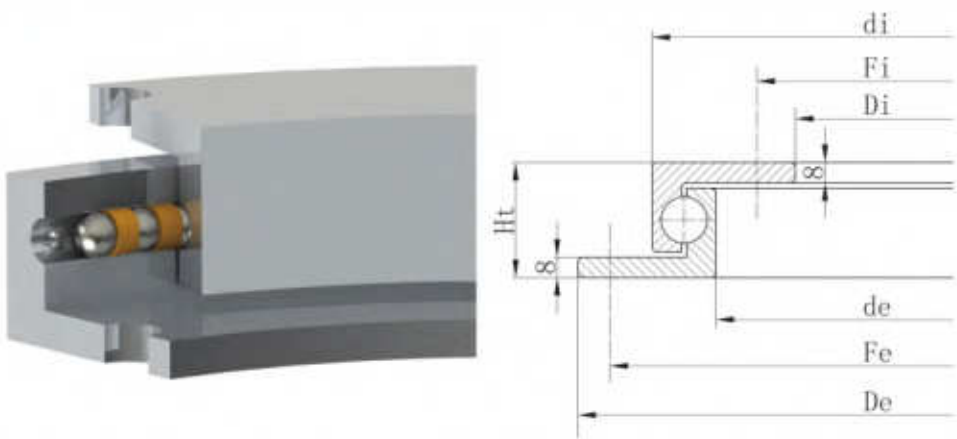


产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

LDB Code	Dimensions外形尺寸									Fixing Holes固定孔						Gear data齿参数				Load载荷		Weight重量
	De	Di	He	Hi	Ht	di	de	U	V	Fe	Fi	Ne	he	Ni	hi	Dp	m	z	k.m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]		[mm]	[mm]	[mm]					[mm]			[mm]			KG
1L20-U-0400	518	304	45.5	45.5	56	412.5	415.5	453	375	490	332	16	18	24	18							23
1L20-U-0500	648	434	45.5	45.5	56	542.5	545.5	583	505	620	462	20	18	28	18							30.4
1L20-U-0600	748	534	45.5	45.5	56	642.5	645.5	683	605	720	562	24	18	32	18							35.8
1L20-U-0700	848	634	45.5	45.5	56	742.5	745.5	783	705	820	662	24	18	32	18							42.2
1L20-U-0800	948	734	45.5	45.5	56	842.5	845.5	883	805	920	762	28	18	36	18							47.1
1L20-U-0900	1048	834	45.5	45.5	56	942.5	945.5	983	905	1020	862	32	18	40	18							52.3
1L20-U-1000	1198	984	45.5	45.5	56	1093	1096	1133	1055	1170	1012	32	18	40	18							61.1
1L21-U-0475	517	305	45.5	45.5	56	412.5	415.5	453	375	490	332	8	18	12	18							23.4
1L21-U-0575	647	435	45.5	45.5	56	542.5	545.5	583	505	620	462	10	18	14	18							31
1L21-U-0675	747	535	45.5	45.5	56	642.5	645.5	683	605	720	562	12	18	16	18							36.4
1L21-U-0775	847	635	45.5	45.5	56	742.5	745.5	783	705	820	662	12	18	16	18							42.8
1L21-U-0875	947	735	45.5	45.5	56	842.5	845.5	883	805	920	762	14	18	18	18							47.8
1L21-U-0975	1047	835	45.5	45.5	56	942.5	945.5	983	905	1020	862	16	18	20	18							53.1
1L21-U-1075	1197	985	45.5	45.5	56	1093	1096	1133	1055	1170	1012	16	18	20	18							61.9
1L30-U-0900	1100	805	71	71	90	956.5	953.5	1017	893	1060	845	30	22	30	22	-	-	-	-	-	-	131
1L30-U-1000	1200	905	71	71	90	1057	1054	1117	993	1160	945	30	22	30	22	-	-	-	-	-	-	145
1L30-U-1100	1300	1005	71	71	90	1157	1154	1217	1093	1260	1045	36	22	36	22	-	-	-	-	-	-	159
1L30-U-1200	1400	1105	71	71	90	1257	1254	1317	1193	1360	1145	42	22	42	22	-	-	-	-	-	-	172
1L30-U-1300	1500	1205	71	71	90	1357	1354	1417	1293	1460	1245	42	22	42	22	-	-	-	-	-	-	186
1L30-U-1400	1600	1305	71	71	90	1457	1454	1517	1393	1560	1345	48	22	48	22	-	-	-	-	-	-	200
1L30-U-0975	1098	807	71	71	90	956.5	953.5	1017	893	1060	845	30	22	30	22	-	-	-	-	-	-	131
1L30-U-1075	1198	907	71	71	90	1057	1054	1117	993	1160	945	30	22	30	22	-	-	-	-	-	-	145
1L30-U-1175	1298	1007	71	71	90	1157	1154	1217	1093	1260	1045	36	22	36	22	-	-	-	-	-	-	159
1L30-U-1275	1398	1107	71	71	90	1257	1254	1317	1193	1360	1145	42	22	42	22	-	-	-	-	-	-	172
1L30-U-1375	1498	1207	71	71	90	1357	1354	1417	1293	1460	1245	42	22	42	22	-	-	-	-	-	-	186
1L30-U-1475	1598	1307	71	71	90	1457	1454	1517	1393	1560	1345	48	22	48	22	-	-	-	-	-	-	200

● 反向法兰型
Reverse flange



产品特点：外轮上带有法兰的系列转盘轴承回转支承使轴向定位变得简单。不再需要轴承座，它变得更加经济。为了获得轴承的低摩擦扭矩，高刚度和良好的旋转精度，使用了外径小的钢球。中空轴的使用确保了重量轻和配线空间。法兰式转盘轴承主要承受径向载荷，但也可以同时承受径向载荷和轴向载荷。

Product Characteristics: Series turntable bearings with flanges on the outer ring make axial positioning simple. Bearing seats are no longer needed, making it more economical. Small diameter steel balls are used to obtain low friction torque, high stiffness, and good rotation accuracy of the bearings. The use of hollow shafts ensures light weight and wiring space. Flanged turntable bearings mainly bear radial loads but can also withstand both radial and axial loads simultaneously.

LDB Code	De	di	de		Di	Fe	Fi	Ht	Weight重量
	(mm)	(mm)	(mm)		(mm)	(mm)	(mm)	(mm)	kg
1O09-U-0400	400	342	292		230	375	260	45	11
1O09-U-0500	500	442	392		330	475	360	45	15
1O09-U-0600	650	592	542		480	625	510	45	20
1O09-U-0700	750	692	642		580	725	610	45	23
1O09-U-0800	850	792	742		680	825	710	45	27
1O09-U-0900	950	892	842		780	925	810	45	30
1O09-U-1050	1050	992	942		880	1025	910	45	34
1O12-U-0500	500	437	384		315	475	340	52	17
1O12-U-0650	650	587	534		465	625	490	52	23
1O12-U-0750	750	687	634		565	725	590	52	28
1O12-U-0850	850	787	734		665	825	690	52	32
1O12-U-0950	950	887	834		765	925	790	52	36
1O12-U-1050	1050	987	934		865	1025	890	52	40

● 外齿型

External gear

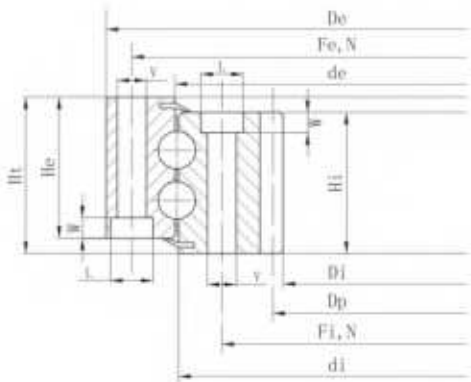


产品特点：双排同径球回转支承转盘轴承主要用于风力发电机设备和混凝土运输泵车。在风力发电设备中，轴承安装在螺旋桨的根部，以充当侧面螺旋桨。间隙要求为零或负，并且启动摩擦扭矩大，回转精度高。

Product Features: Double-row, same diameter ball turntable slewing bearing is primarily used in wind turbine generator equipment and concrete transport pump trucks. In wind turbine equipment, the bearing is installed at the root of the propeller to act as the lateral propeller. The clearance requirement is zero or negative, with high starting friction torque and high rotational accuracy.

LDB Code	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数				fz norm	fz norm	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Fi	N	V	L	W	m	Z	xm	Dp	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]		[-]	[mm]	[-]	[mm]	[mm]			[kg]
2B22-E-0307	432	309	305	224	83	83	92	360	254	16	17	25	12	6	70	-	420	20.4	40.8	51
2B22-E-0383	504	385	381	300	83	83	92	436	330	16	17	25	12	8	61	-	488	40.8	81.6	64
2B25-E-0475	595	477	473	382	88	88	98	540	410	24	17	25	14	5	117	-	585	17	34	85
2B25-E-0575	712	577	573	470	88	88	98	640	508	24	17	25	9	8	87	-	696	40.8	81.6	123
2B20-E-0752	864	754	750	678	83	83	92	800	706	36	17	25	9	6	142	-	852	31.01	62	114
2B25-E-0821	979	823	819	718	92	92	102	893	753	36	21	31	15	10	94	11	940	70.6	141.2	200
2B20-E-0968	1080	970	966	893	83	83	92	1015	922	30	17	25	10	8	133	-	1064	41.3	82.6	148
2B25-E-1077	1200	1079	1075	976	88	88	98	1135	1012	36	19	-	-	8	148	-	1184	41.9	83.6	210
2B28-E-1215	1380	1218	1212	1095	98	98	108	1290	1135	48	23	34	16	10	136	-	1360	61.2	122.4	325
2B22-E-0383	504	385	381	300	83	83	92	436	330	16	17	25	12	8	61	-	488	48	96	64
2B25-E-0475	614.4	477	473	378	88	88	98	540	410	24	19	28	14	8	74	4	592	51.2	102.4	98
2B25-E-0575	695	577	573	470	83	83	92	640	508	30	17	25	13	5	136	2.5	680	23.2	46.4	104
2B25-E-0980	1144	982	978	870	96	96	110	1050	910	36	21	31	12	10	111	8	1110	85	170	262
2B28-E-1117	1289	1120	1114	985	98	98	108	1198	1035	40	21	31	18	10	125	10.5	1250	80.2	160.4	332
2B28-E-1215	1380	1218	1212	1095	98	98	108	1290	1135	36	23	34	16	10	136	-	1360	72	144	334
2B30-E-1249	1476	1252	1246	1085	101	101	110	1350	1150	48	26	37	23	10	144	8.6	1440	86	172	502
2B35-E-1249	1472	1252	1246	1085	134	134	144	1350	1150	36	28	41	27	14	102	9.1	1428	147.8	295.6	640
2B30-E-1391	1603	1394	1388	1208	110	110	120	1500	1280	40	29	-	-	10	157	7.5	1570	101	202	636
2B35-E-1402	1604	1405	1399	1208	134	134	144	1500	1280	48	31	46	28	10	157	7	1570	147.8	295.6	710
2B35-E-1390	1634	1393	1387	1208	138	134	148	1500	1280	48	31	46	24	14	113	14	1582	177.3	354.6	800
2B35-E-1578	1805	1581	1575	1433	140	140	156	1671	1485	60	28	41	15	16	109	16.9	1744	205.6	411.2	810

● 内齿型Internal gear

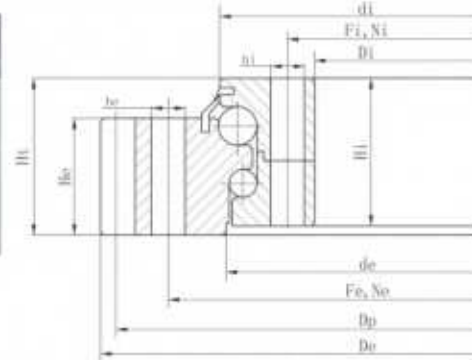


产品特点：双排同径球回转支承转盘轴承主要用于风力发电机设备和混凝土运输泵车。在风力发电设备中，轴承安装在螺旋桨的根部，以充当侧面螺旋桨。间隙要求为零或负，并且启动摩擦扭矩大，回转精度高。

Product Features: Double-row, same diameter ball turntable slewing bearing is primarily used in wind turbine generator equipment and concrete transport pump trucks. In wind turbine equipment, the bearing is installed at the root of the propeller to act as the lateral propeller. The clearance requirement is zero or negative, with high starting friction torque and high rotational accuracy.

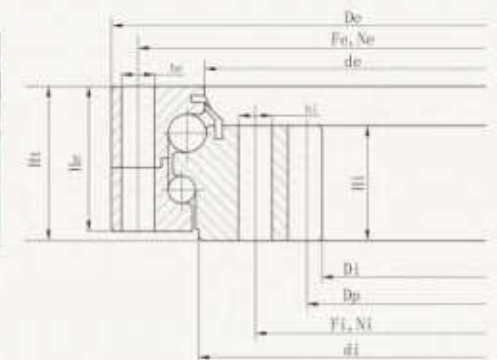
	Dimensions外形尺寸							Fixing Holes孔参数			Fixing Holes孔参数			Gear data齿参数				fz norm	fz max	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Fi	N	V	L	W	m	Z	xm	Dp			
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]		[-]	[mm]	[-]	[mm]	[mm]	[kN]	[kN]	[kg]
2B22-I-0625	705	627	623	504	83	83	92	675	575	32	17	25	9	8	65	-	520	49.3	98.6	95
2B22-I-0763	850	765	761	641	83	83	92	820	705	36	17	25	17	8	81	-4	648	64.2	128.4	128
2B20-I-0897	973	899	895	786	88	88	97	944	850	36	17	25	11	8	100	-	800	45.3	90.6	141
2B22-I-0885	982	887	883	754	88	88	97	944	826	36	21	31	14	8	95	-4	760	61.8	123.6	170
2B25-I-0972	1074	974	970	820	100	96	114	1035	910	40	21	-	-	10	84	-	840	76	152	234
2B22-I-1088	1172	1090	1085	962	88	88	97	1134	1040	36	17	25	11	10	98	-	980	56.7	113.4	193
2B25-I-1103	1200	1105	1099	963	96	96	110	1160	1040	36	21	31	12	10	98	-	980	62.3	124.6	239
2B25-I-1103	1200	1105	1099	963	96	96	110	1160	1040	36	21	31	12	10	98	-	980	73.3	146.6	239
2B30-I-1143	1250	1147	1141	998	99.5	99.5	110	1208	1080	36	21	31	12	10	100	-8	1000	91.3	182.6	276
2B28-I-1222	1345	1225	1219	1061.6	98	98	108	1290	1150	40	21	31	16	10	108	-	1080	73.3	146.6	331
2B30-I-1351	1470	1354	1348	1179	98	98	108	1425	1270	48	23	34	18	12	100	-	1200	85.5	171	365
2B40-I-1386	1530	1389	1383	1186	134	134	144	1480	1290	48	25	37	23	12	100	-	1200	113	226	627
2B30-I-1613	1750	1616	1610	1418.4	110	105	120	1705	1525	48	25	37	23	12	120	-	1440	93.1	186.2	564
2B45-I-1605	1780	1606	1602	1375	134	134	144	1710	1500	48	31	46	28	14	100	-	1400	137.4	274.8	840
2B35-I-1935	2100	1938	1932	1719	134	134	144	2035	1835	72	29	-	-	12	145	-	1740	114	228	965
2B35-I-2003	2178	2006	2000	1779	134	134	144	2108	1898	72	29	-	-	12	150	-	1800	114	228	1062

● 外齿型 External gear



产品特点：双排异径球回转支承有三个座圈，钢球和隔离块可以直接排入上下座圈。根据应力条件，布置两排不同直径的钢球。可以同时承受轴向力和径向力。

● 内齿型 Internal gear



Product Characteristics: Double-row different-diameter ball slewing bearings have three race rings, and steel balls and isolators can be directly arranged into the upper and lower race rings. According to the stress conditions, steel balls of two different diameters are arranged in two rows. They can withstand both axial and radial loads simultaneously.

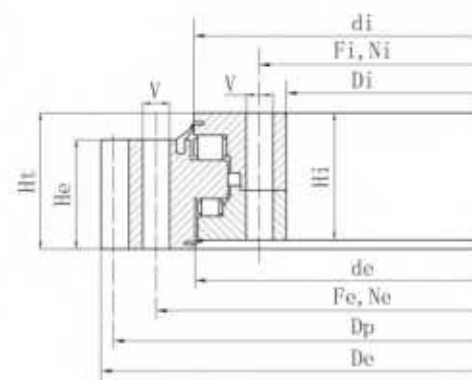
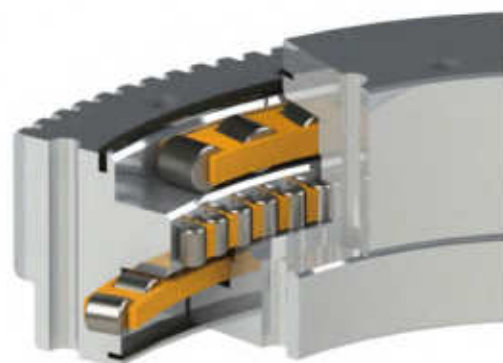
● 外齿型 External gear

LDB Code	Dimensions 外形尺寸							Fixing Holes 孔参数			Fixing Holes 孔参数			Gear data 齿参数					Load 载荷		Weight 重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	DP	m	z	x · m	k · m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			[mm]			[mm]			[mm]	[mm]			[kg]
2D20-E-0755	862.8	771	797	679	58	78	82	800	24	M16	706	24	M16	852	6	142	0	-0.6	15.6	31.2	101
2D20-E-0971	1078.4	987	1012	895	58	78	82	1015	30	M16	922	30	M16	1064	8	133	0	-0.8	20.8	41.6	128
2D20-E-1220	1342.4	1238	1261	1140	58	78	82	1270	48	M16	1170	48	M16	1320	8	165	4	-0.8	29.15	58.3	178
2D20-E-1385	1502.4	1403	1426	1305	58	78	82	1435	54	M16	1335	54	M16	1480	8	185	4	-0.8	29.15	58.3	201
2D25-E-1200	1378	1215	1223	1100	76	96	102	1290	36	M20	1135	36	M20	1350	10	135	5	-1.0	47.7	95.4	301
2D25-E-1461	1648	1479	1484	1360	76	96	102	1555	40	M20	1395	40	M20	1620	10	162	5	-1.0	47.7	95.4	381
2D25-E-1800	2001.6	1818	1823	1700	76	96	102	1890	48	M20	1735	48	M20	1968	12	164	6	-1.2	57.25	114.5	488
2D30-E-1440	1653.6	1460	1469	1320	91	114	120	1545	36	M24	1365	36	M24	1620	12	135	6	-1.2	68.5	137.1	520
2D30-E-1734	1953.6	1757	1763	1615	91	114	120	1845	44	M24	1660	44	M24	1920	12	160	6	-1.2	68.5	137.1	636
2D30-E-2031	2253.6	2054	2060	1910	91	114	120	2140	48	M24	1955	48	M24	2220	12	185	6	-1.2	68.5	137.1	755
2D30-E-2235	2457.6	2258	2264	2115	91	114	120	2345	52	M24	2160	52	M24	2424	12	202	6	-1.2	68.5	137.1	827
2D35-E-1750	1985.2	1779	1784	1620	104	132	138	1860	44	M24	1670	44	M24	1946	14	139	7	-1.4	91.4	182.8	789
2D35-E-2220	2461.2	2249	2254	2090	104	132	138	2335	60	M24	2135	60	M24	2422	14	173	7	-1.4	91.4	182.8	1019
2D35-E-2620	2876.8	2649	2654	2490	104	132	138	2735	60	M24	2540	60	M24	2832	16	177	8	-1.6	104.5	209	1244
2D40-E-2240	2524.8	2275	2272	2090	117	150	156	2375	48	M30	2145	48	M30	2480	16	155	8	-1.6	117.5	235.1	1316

● 内齿型 Internal gear

LDB Code	Dimensions 外形尺寸							Fixing Holes 孔参数			Fixing Holes 孔参数			Gear data 齿参数					Load 载荷		Weight 重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	he	Fi	Ni	hi	DP	m	z	x · m	k · m	[kN]	[kN]	
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]			[mm]			[mm]			[mm]	[mm]			[kg]
2D18-I-0748	823	734	710	648	54	74	77	798	30	M16	705	30	M16	660	6	110	-0.0	-	15.2	30.4	90
2D20-I-0895	971	879	854	784	58	78	82	944	30	M16	850	30	M16	800	8	100	-0.0	-	22.6	45.2	118
2D20-I-1085	1161	1069	1044	960	66	78	90	1134	36	M16	1040	36	M16	980	10	98	-0.0	-	31.1	62.2	154
2D20-I-1360	1440	1342	1319	1210	58	78	82	1410	54	M16	1300	54	M16	1220	10	122	-5.0	-	36.4	72.8	213
2D25-I-1360	1460	1342	1337	1180	76	96	102	1425	36	M20	1270	36	20	1190	10	119	-5.0	-	47.7	95.4	336
2D25-I-1600	1700	1582	1577	1404	76	96	102	1665	42	M20	1510	42	20	1416	12	118	-6.0	-	57.2	114.4	405
2D30-I-1381	1500	1358	1352	1164	91	114	120	1455	36	M24	1275	36	24	1176	12	98	-6.0	-	68.5	137	474
2D30-I-1630	1750	1610	1602	1416	91	114	120	1705	40	M24	1525	40	24	1428	12	119	-6.0	-	68.5	137	558
2D30-I-1800	1920	1777	1771	1568	91	114	120	1875	48	M24	1695	48	24	1582	14	113	-7.0	-	80	160	643
2D30-I-1995	2115	1972	1966	1764	91	114	120	2070	48	M24	1890	48	24	1778	14	127	-7.0	-	80	160	716
2D30-I-2330	2450	2307	2301	2100	91	114	120	2405	54	M24	2225	54	24	2114	14	151	-7.0	-	80	160	839
2D30-I-2538	2660	2515	2509	2288	91	114	120	2615	60	M24	2430	60	24	2304	16	144	-8.0	-	91.4	182.8	963
2D35-I-1960	2090	1931	1926	1722	104	132	138	2045	52	M24	1850	52	24	1736	14	124	-7.0	-	91.4	182.8	851
2D35-I-2500	2630	2471	2466	2254	104	132	138	2585	66	M24	2385	66	24	2268	14	162	-7.0	-	91.4	182.8	1112
2D35-I-2690	2820	2661	2656	2432	104	132	138	2775	72	M24	2580	72	24	2448	16	153	-8.0	-	104.5	209	1225

● **外齿型**
External gear



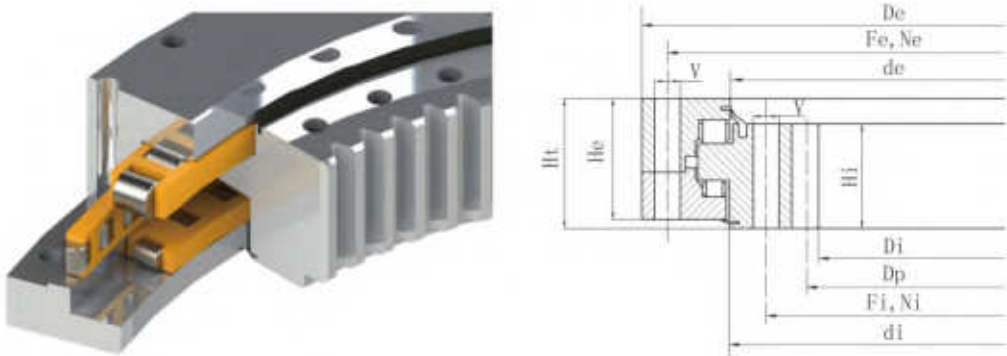
产品特点：三排圆柱滚子组合转盘轴承回转支承具有三个座圈，上，下，径向滚道是分开的，因此，每排滚子可以分别承受轴向和径向载荷。它是四种产品中承载能力较大的一种，适用于需要较大负载的重型机械。

Product Characteristics:

Three-row cylindrical roller combination turntable bearings have three race rings, upper, lower, and radial raceways are separated, so each row of rollers can separately withstand axial and radial loads. It is one of the products with higher load capacity among the four types and is suitable for heavy-duty machinery requiring large loads.

LDB型号	Dimensions 外形尺寸							FixingHoles 固定孔			FixingHoles 固定孔			Gear data 齿参数				Load	Weight重量	
	De	de	di	Di	He	Hi	Ht	Fe	Ne	V		Fi	Ni	V	m	z	Dp	x		
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]			[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]	[kg]
3R25-E-0500	665	526	537	366	116	138	148	598	24	18		402	24	18	5	130	650	0.5	2750	224
3R25-E-0500	666	463	474	366	116	138	148	598	24	18		402	24	18	6	108	648	0.5	2750	224
3R25-E-0560	725	586	597	426	116	138	148	658	24	18		462	24	18	5	142	710	0.5	3080	240
3R25-E-0560	726	523	534	426	116	138	148	658	24	18		462	24	18	6	118	708	0.5	3080	240
3R25-E-0630	808	593	604	496	116	138	148	728	28	18		532	28	18	8	98	784	0.5	3450	270
3R25-E-0630	810	656	667	496	116	138	148	728	28	18		532	28	18	6	132	792	0.5	3450	270
3R25-E-0710	888	673	684	576	116	138	148	808	28	18		612	28	18	8	108	864	0.5	3880	300
3R25-E-0710	888	736	747	576	116	138	148	808	28	18		612	28	18	6	145	870	0.5	3880	300
3R30-E-0800	1008	830	841	636	142	172	182	920	36	22		680	36	22	8	123	984	0.5	5490	500
3R30-E-0800	1010	759	770	636	142	172	182	920	36	22		680	36	22	10	98	980	0.5	5490	500
3R30-E-0900	1104	930	941	736	142	172	182	1020	36	22		780	36	22	8	135	1080	0.5	6190	600
3R30-E-0900	1110	859	870	736	142	172	182	1020	36	22		780	36	22	10	108	1080	0.5	6190	600
3R30-E-1000	1220	1030	1041	836	142	172	182	1120	40	22		880	40	22	10	119	1190	0.5	6890	680
3R30-E-1000	1224	959	970	836	142	172	182	1120	40	22		880	40	22	12	99	1188	0.5	6890	680
3R30-E-1120	1340	1150	1161	956	142	172	182	1240	40	22		1000	40	22	10	131	1310	0.5	7680	820
3R30-E-1120	1344	1079	1090	956	142	172	182	1240	40	22		1000	40	22	12	109	1308	0.5	7680	820
3R40-E-1250	1512	1200	1210	1055	170	210	220	1393	45	26		1107	45	26	14	105	1470	0.5	11100	1200
3R40-E-1250	1512	1290	1300	1055	170	210	220	1393	45	26		1107	45	26	12	123	1476	0.5	11100	1200
3R40-E-1400	1666	1350	1360	1205	170	210	220	1543	45	26		1257	45	26	14	116	1624	0.5	12400	1300
3R40-E-1400	1668	1440	1450	1205	170	210	220	1543	45	26		1257	45	26	12	136	1632	0.5	12400	1300
3R40-E-1600	1872	1550	1560	1405	170	210	220	1743	48	26		1457	48	26	16	114	1824	0.5	14200	1520
3R40-E-1600	1876	1640	1650	1405	170	210	220	1743	48	26		1457	48	26	14	131	1834	0.5	14200	1520
3R40-E-1800	2072	1840	1850	1605	170	210	220	1943	48	26		1657	48	26	14	145	2030	0.5	15900	1750
3R40-E-1800	2080	1750	1760	1605	170	210	220	1943	48	26		1657	48	26	16	127	2032	0.5	15900	1750
3R45-E-2000	2304	1945	1967	1779	177	219	231	2155	60	33		1845	60	33	18	125	2250	0.5	20500	2400
3R45-E-2000	2304	2055	2059	1779	177	219	231	2155	60	33		1845	60	33	16	141	2256	0.5	20500	2230
3R45-E-2000	2304	2033	2055	1779	177	219	231	2155	60	33		1845	60	33	16	141	2256	0.5	20500	2400
3R45-E-2000	2267	2041		1816	117	137	150	2127	60	33		1885	60	33	16	138	2208	0.5	16900	1120
3R45-E-2400	2556	2185	2207	2019	177	219	231	2395	60	33		2085	60	33	18	139	2502	0.5	23100	2700
3R45-E-2240	2560	2273	2295	2019	177	219	231	2395	60	33		2085	60	33	16	157	2512	0.5	23100	2700
3R45-E-2500	2820	2445	2467	2279	177	219	231	2655	72	33		2345	72	33	20	138	2760	0.5	25800	3000
3R45-E-2500	2826	2561	2555	2279	177	219	231	2655	72	33		2345	72	33	18	154	2772	0.5	25800	2834
3R45-E-2500	2826	2533	2555	2279	177	219	231	2655	72	33		2345	72	33	18	154	2772	0.5	25800	3000

● 内齿型
Internal gear



产品特点：三排圆柱滚子组合转盘轴承回转支承具有三个座圈，上，下，径向滚道是分开的，因此，每排滚子可以分别承受轴向和径向载荷。它是四种产品中承载能力较大的一种，适用于需要较大负载的重型机械。

Product Characteristics:
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LDB型号	Dimensions 外形尺寸							FixingHoles 固定孔			FixingHoles 固定孔			Gear data 齿参数				Load	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	V	Fi	Ni	V	m	z	Dp	x	[kN]	[kg]
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[mm]	[-]	[mm]	[mm]		
3R25-I-0500	634	526	537	335	138	116	148	598	24	18	402	24	18	5	68	340	0.5	2750	224
3R25-I-0500	634	463	474	336	138	116	148	598	24	18	402	24	18	6	57	342	0.5	2750	224
3R25-I-0560	694	586	597	395	138	116	148	658	24	18	462	24	18	5	80	400	0.5	3080	240
3R25-I-0560	694	523	534	396	138	116	148	658	24	18	462	24	18	6	67	402	0.5	3080	240
3R25-I-0630	764	656	667	456	138	116	148	728	28	18	532	28	18	6	77	462	0.5	3450	270
3R25-I-0630	764	593	604	456	138	116	148	728	28	18	532	28	18	8	58	464	0.5	3450	270
3R25-I-0710	844	736	747	534	138	116	148	808	28	18	612	28	18	6	90	540	0.5	3880	300
3R25-I-0710	844	673	684	536	138	116	148	808	28	18	612	28	18	8	68	544	0.5	3880	300
3R30-I-0800	964	759	770	590	172	142	182	920	36	22	680	36	22	10	60	600	0.5	5490	500
3R30-I-0800	964	830	841	592	172	142	182	920	36	22	680	36	22	8	75	600	0.5	5490	500
3R30-I-0900	1064	930	941	688	172	142	182	1020	36	22	780	36	22	8	87	696	0.5	6190	600
3R30-I-0900	1064	859	870	690	172	142	182	1020	36	22	780	36	22	10	70	700	0.5	6190	600
3R30-I-1000	1164	1030	1041	780	172	142	182	1120	40	22	880	40	22	10	79	790	0.5	6890	680
3R30-I-1000	1164	959	970	780	172	142	182	1120	40	22	880	40	22	12	66	792	0.5	6890	680
3R30-I-1120	1284	1150	1161	900	172	142	182	1240	40	22	1000	40	22	10	91	910	0.5	7680	820
3R30-I-1120	1284	1079	1090	900	172	142	182	1240	40	22	1000	40	22	12	76	912	0.5	7680	820
3R40-I-1250	1445	1200	1210	980	210	170	220	1393	45	26	1107	45	26	14	71	994	0.5	11100	1200
3R40-I-1250	1445	1290	1300	984	210	170	220	1393	45	26	1107	45	26	12	83	996	0.5	11100	1200
3R40-I-1400	1595	1350	1360	1134	210	170	220	1543	45	26	1257	45	26	14	80	1120	0.5	12400	1300
3R40-I-1400	1595	1440	1450	1140	210	170	220	1543	45	26	1257	45	26	12	96	1152	0.5	12400	1300
3R40-I-1600	1795	1550	1560	1328	210	170	220	1743	48	26	1457	48	26	16	84	1344	0.5	14200	1520
3R40-I-1600	1795	1640	1650	1330	210	170	220	1743	48	26	1457	48	26	14	96	1344	0.5	14200	1520
3R40-I-1800	1995	1750	1760	1520	210	170	220	1943	48	26	1657	48	26	16	96	1536	0.5	15900	1750
3R40-I-1800	1995	1840	1850	1526	210	170	220	1943	48	26	1657	48	26	14	110	1540	0.5	15900	1750
3R45-I-2000	2221	1945	1967	1692	219	177	231	2155	60	33	1845	60	33	18	95	1710	0.5	20500	2400
3R45-I-2000	2221	2033	2055	1696	219	177	231	2155	60	33	1845	60	33	16	107	1712	0.5	20500	2400
3R45-I-2240	2461	2273	2295	1920	219	177	231	2395	60	33	2085	60	33	16	121	1936	0.5	23100	2700
3R45-I-2240	2461	2185	2207	1926	219	177	231	2395	60	33	2085	60	33	18	108	1944	0.5	23100	2700
3R45-I-2500	2721	2533	2555	2178	219	177	231	2655	72	33	2345	72	33	18	122	2196	0.5	25800	3000
3R45-I-2500	2721	2445	2467	2180	219	177	231	2655	72	33	2345	72	33	20	110	2200	0.5	25800	3000

无齿型
Toothless

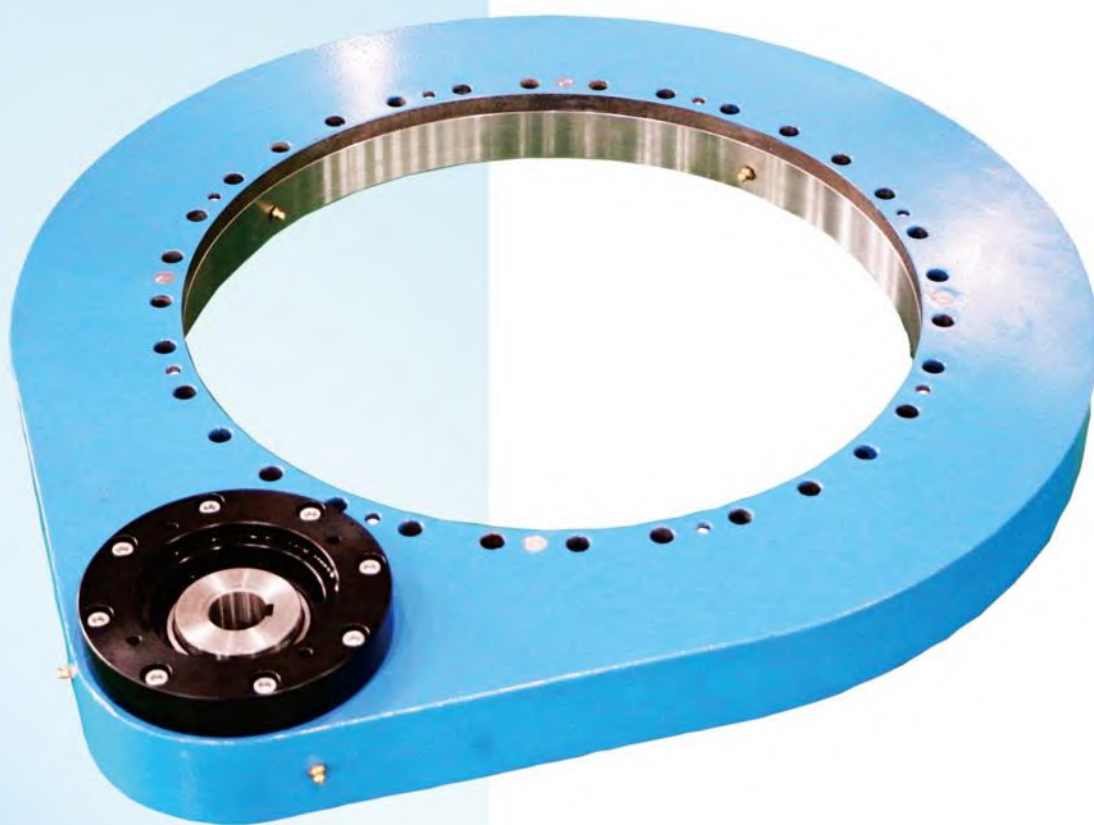


产品特点：三排圆柱滚子组合转盘轴承回转支承具有三个座圈，上，下，径向滚道是分开的，因此，每排滚子可以分别承受轴向和径向载荷。它是四种产品中承载能力较大的一种，适用于需要较大负载的重型机械。

Product Characteristics:
Three-row cylindrical roller combination turntable bearings have three race rings, upper, lower, and radial raceways are separated, so each row of rollers can separately withstand axial and radial loads. It is one of the products with higher load capacity among the four types and is suitable for heavy-duty machinery requiring large loads.

LDB型号	Dimensions 外形尺寸							FixingHoles 固定孔			FixingHoles 固定孔			Gear data 齿参数				Load	Weight重量
	De	de	di	Di	He	Hi	Ht	Fe	Ne	V	Fi	Ni	V	m	z	Dp	x		
	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[-]		[mm]	[-]		[mm]	[-]	[mm]	[mm]	[kN]	[kg]
3R25-U-0500	634	526	537	366	138	116	148	598	24	18	402	24	18					2750	224
3R25-U-0560	694	586	597	426	138	116	148	658	24	18	462	24	18					3080	240
3R25-U-0630	764	656	667	496	138	116	148	728	28	18	532	28	18					3450	270
3R25-U-0710	844	736	747	576	138	116	148	808	28	18	612	28	18					3880	300
3R30-U-0800	964	830	841	636	172	142	182	920	36	22	680	36	22					5490	500
3R30-U-0900	1064	930	941	736	172	142	182	1020	36	22	780	36	22					6190	600
3R30-U-1000	1164	1030	1041	836	172	142	182	1120	40	22	880	40	22					6890	680
3R30-U-1120	1284	1150	1161	956	172	142	182	1240	40	22	1000	40	22					7680	820
3R30-U-1250	1445	1290	1300	1055	210	170	220	1393	45	26	1107	45	26					11100	1200
3R40-U-1400	1595	1440	1450	1205	210	170	220	1543	45	26	1257	45	26					12400	1300
3R40-U-1600	1795	1640	1650	1405	210	170	220	1743	48	26	1457	48	26					14200	1520
3R40-U-1800	1995	1840	1850	1605	210	170	220	1943	48	26	1657	48	26					15900	1750
3R45-U-2000	2195	2041		1816	137	117	150	2127	60	33	1885	60	33					16900	1120
3R45-U-2240	2461	2273	2295	2019	219	177	231	2395	60	33	2085	60	33					23100	2700
3R45-U-2500	2721	2533	2555	2279	219	177	231	2655	72	33	2345	72	33					25800	3000

LDB[®] SLEW DRIVE



Precision Spur Gear Slew Drive
精密直齿驱动

洛阳隆达轴承有限公司
LUOYANG LONGDA BEARING CO.,LTD



【企业简介】

Company Profile

洛阳隆达轴承有限公司成立于1999年，位于洛阳市宜阳轴承产业集聚区，占地23亩。公司秉承“精心制造、服务全球”的企业愿景，经过20年的发展，成为了一家专业研发生产转盘轴承(回转支承)和回转驱动的企业。

产品广泛应用于自动化控制、智能机器人、特种车辆、机床回转台、林业机械、起重机械等领域。

我们的产品远销全球71个国家和地区，并与德国、意大利、美国等国家的客户建立了长期的贸易合作关系。

公司先后荣获高新技术企业、市级企业研发中心、河南省科技型中小企业、河南电子商务企业、中原股权交易中心展示企业等荣誉称号，并通过了TUV SUD ISO9001:2015质量管理体系认证。

隆达轴承紧紧围绕“做世界知名转盘轴承制造商”这一总体发展思路，加快企业转型升级和跨越发展，全力推动企业向创新驱动型、绿色低碳型、智能制造型方向发展。

Luoyang Longda Bearing Co., Ltd. was founded in 1999, is located in Yiyang bearing industry zone, Luoyang city covers an area of 23 mu. company adhering to the "Manufacture Elaborately serve the world" corporate vision, after 20 years of development, the company has become a professional research, development and production of slewing bearing (slewing ring) and slewing drive enterprise.

Products are widely used in automatic control, intelligent robots, special vehicles, machine tool rotary tables, forestry machinery, lifting machinery and other fields.

Our products have been exporting to 71 countries and regions we have established long-term trade cooperative relations with many customers in Germany, Italy, America, etc.

The company has successively won the honorary titles of high-tech enterprise, city-level enterprise R & D center, Henan science and technology small and medium-sized enterprise, Henan e-commerce enterprise, Zhongyuan equity trading center display enterprise, etc. We also passed TUV SUD ISO9001:2015 quality management system certification.

LDB closely focuses on the overall development idea of "To be the world famous slewing bearing manufacturer", speed up the transformation and upgrading of enterprise and leapfrog development, fully promotes the development of enterprise towards innovation-driven, green and low-carbon and intelligent manufacturing.



【资质证书】

Qualification certificate



HENAN SMALL AND MEDIUM-SIZED SCI-TECH ENTERPRISE



HENAN E-COMMERCE ENTERPRISE



NEW HIGH-TECH ENTERPRISE



MUNICIPAL ENTERPRISE R&D CENTER



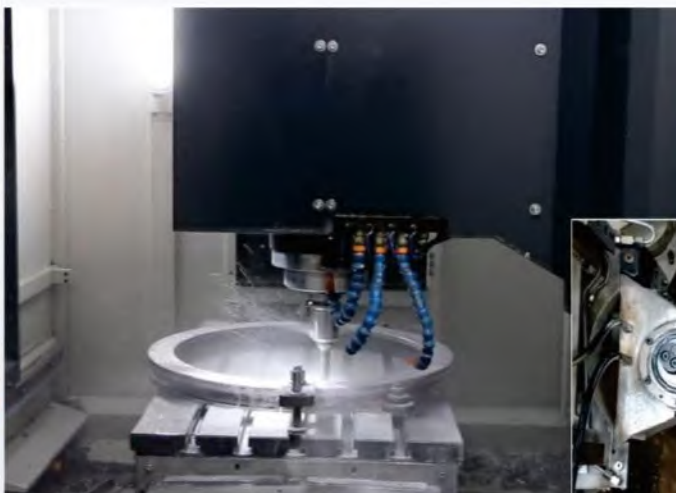
ISO CERTIFICATE



LETTER OF PATENT

【生产加工】

Production and processing



◆加工细节展示
Machining detail



◆生产车间
Workshop

【产品介绍】

Product Introduction

【1】替代内、外齿转盘轴承加小齿轮结构，紧凑型设计有效节省安装空间，易于集成到现有的应用单元中。

【2】传动效率高，转速快。

【3】能承受轴向载荷，径向载荷，倾覆力矩。

【4】全防护设计能有效延长使用寿命，降低维护成本，提高操作人员安全性，防护等级达到IP65。

【5】外观干净整洁。

【6】根据不同工况，有三种系列可供选择，并可快速定制化设计。

[1] Replace the structure of slewing bearing with internal gear I external gear with pinion, the compact design can effectively save installation space and be easily integrated into existing application units.

[2] High transmission efficiency and high rotation speed.

[3] Can withstand axial load, radial load and tilting moment.

[4] The full protection design can effectively extend the service life, reduce the maintenance cost, improve the safety of operators and the protection grade can reach IP65.

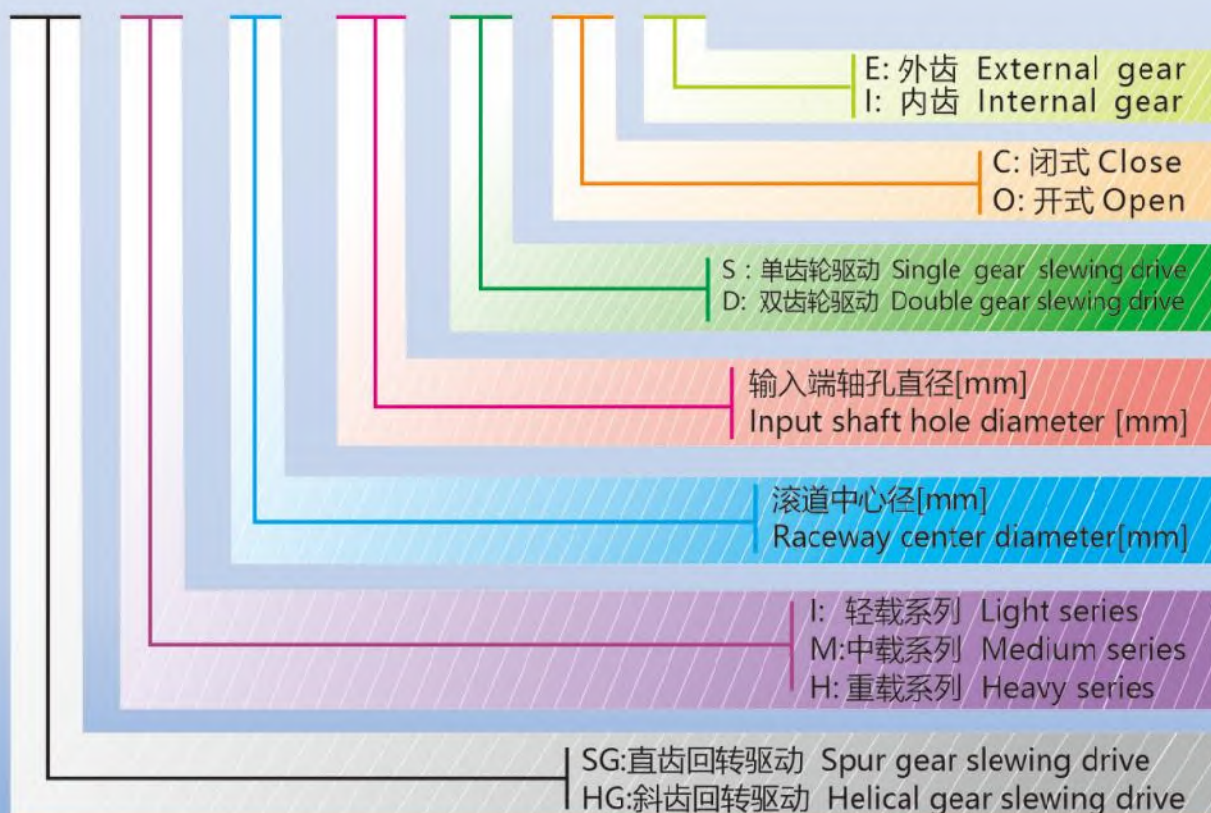
[5] Appearance clean and tidy.

[6] According to different working conditions, there are three series models to choose and can quickly make customized design.

【编号说明】

Code Description

SG - I - 0229 - 25 - S - C - E

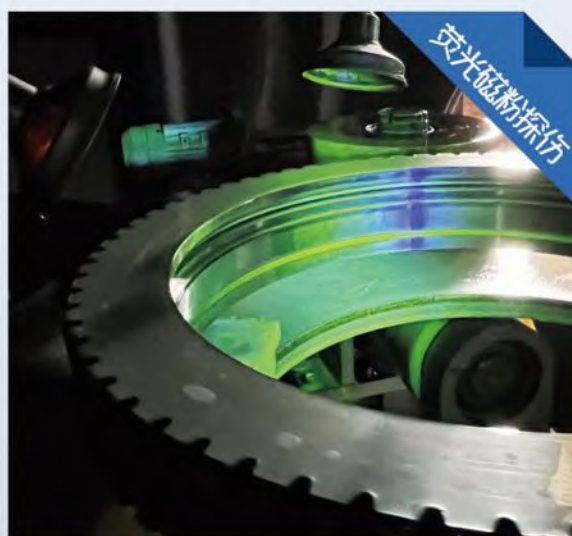


【检测设备】

Checkout equipment



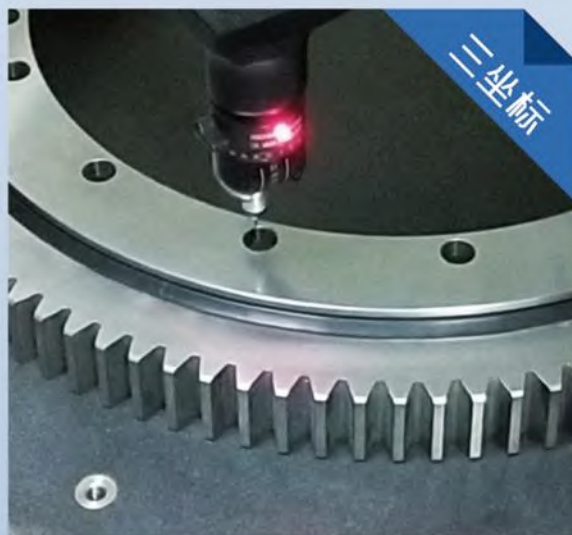
GEAR TESTER DETECTION



FLUORESCENT MAGNETIC PARTICLE INSPECTION



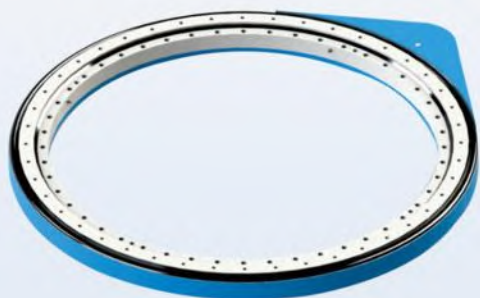
ENGAGEMENT DETECTION



THREE COORDINATE DETECTOR

【产品应用】

Product application



【SG-M-1091】



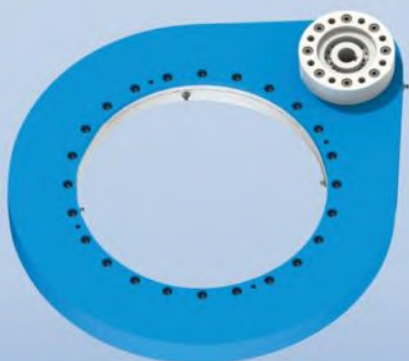
◆ 建筑3D打印 Architectural 3D printing



【SG-I-0229】



◆ 焊接机器人 Welding robot



【SG-I-0311】



◆ 码垛机器人 Palletizing robot

【产品应用】

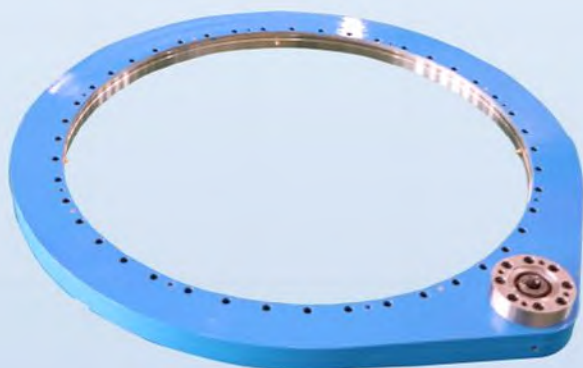
Product application



【SG-I-0311】



◆机械臂 Mechanical arm



【SG-I-0941】



◆自动化设备 Automation equipment



【SG-M-0641】

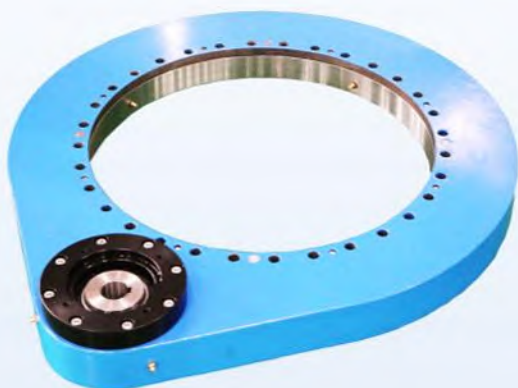


◆汽车吊 Truck crane

【产品应用】

Product application

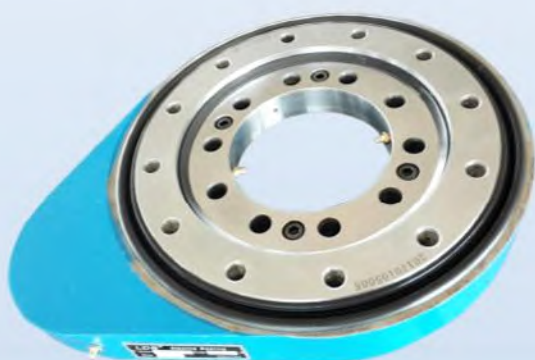
LDB[®] SLEW DRIVE



【SG-M-0541】



◆机床回转台 Machine tool rotary table



【SG-I-0229】



◆抓草机 Grass grabbing machine



【SG-I-1091】

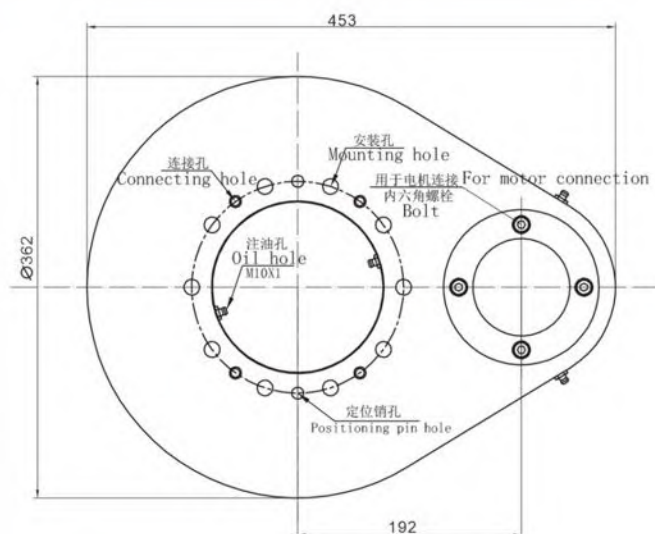


◆雷达车 Radar vehicle

【SG-I系列】

SG-I Series

【SG-I-0229】



回转驱动的润滑

Lubrication of slewing drive

内径上有2个M10X1的注油嘴

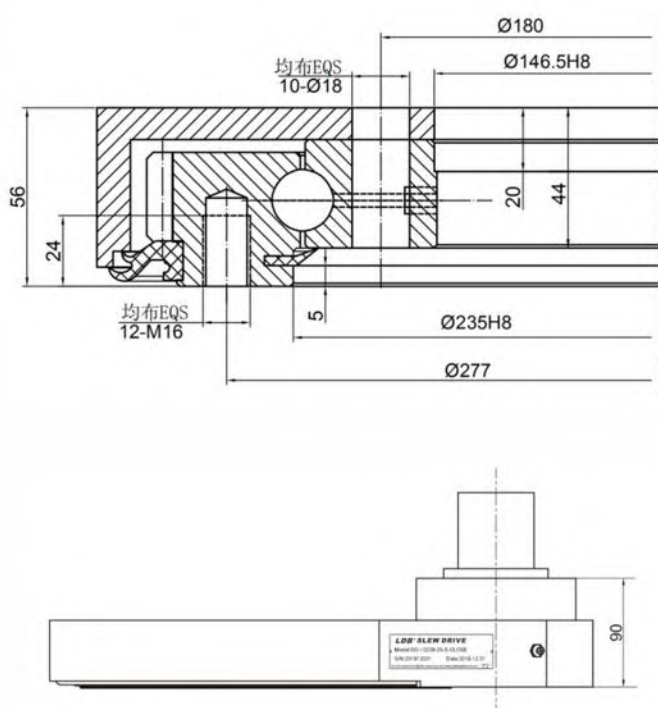
2 M10X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

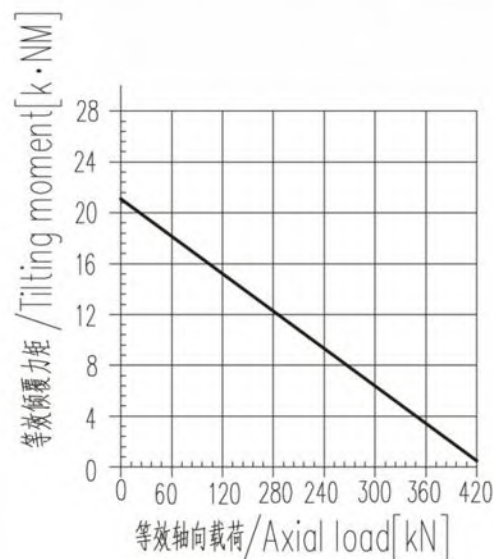
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	81
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	5.40
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	2852
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	2476
最大保持扭矩/Max holding torque	Mh	[Nm]	2852
径向额定静载荷/Radial static load	Co rad	[kN]	151
轴向额定静载荷/Axial static load	Co ax	[kN]	439
径向额定动载荷/Radial dynamic load	C rad	[kN]	143
轴向额定动载荷/Axial dynamic load	C ax	[kN]	168
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	46
压力差/Pressure differential	Δ	[bar]	150
油流量/Oil flow	Q	[l/min]	13
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	2852



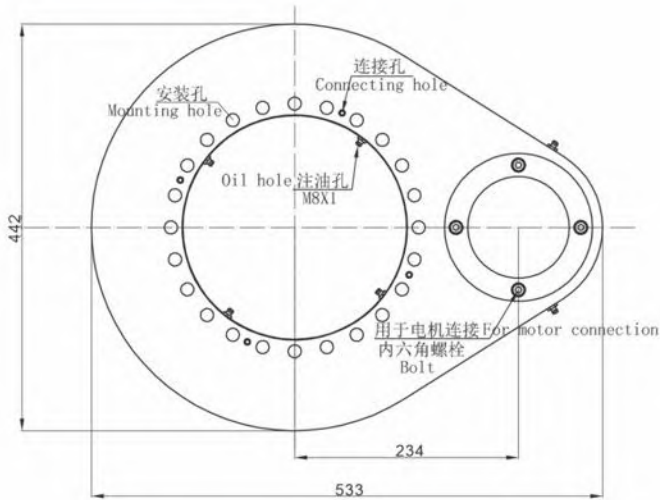
— 滚道曲线/Raceway curve

【SG-I系列】

SG-I Series

LDB[®] SLEW DRIVE

【SG-I-0311】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

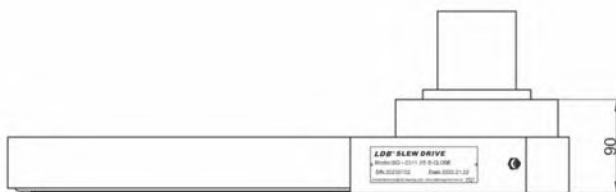
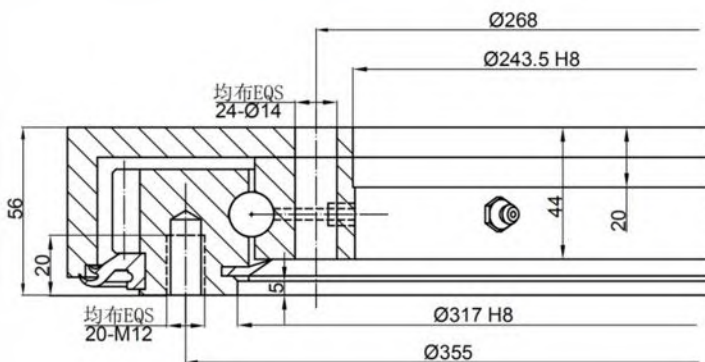
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

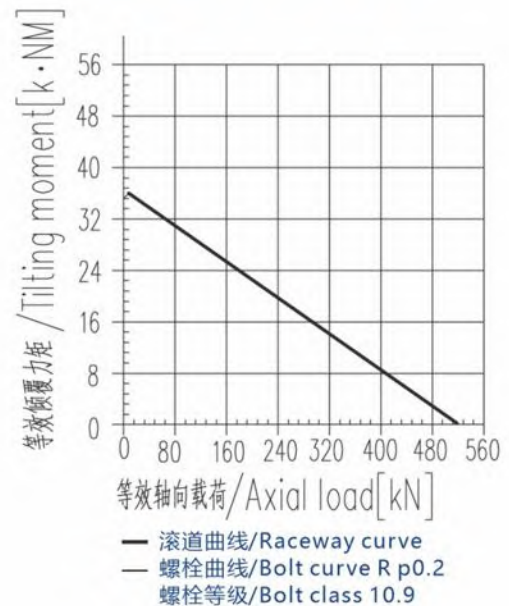
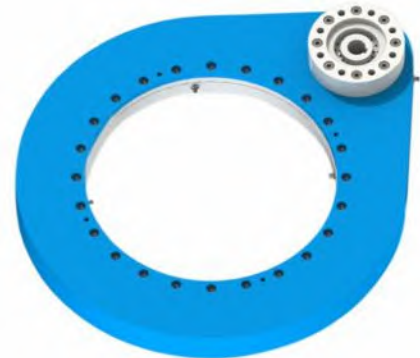
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



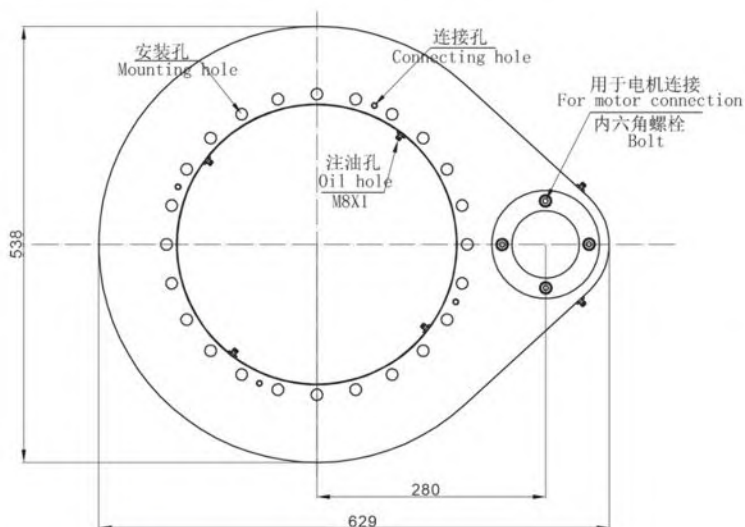
模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	102
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	6.80
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	3574
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	2520
最大保持扭矩/Max holding torque	Mh	[Nm]	3574
径向额定静载荷/Radial static load	Co rad	[kN]	198
轴向额定静载荷/Axial static load	Co ax	[kN]	529
径向额定动载荷/Radial dynamic load	C rad	[kN]	163
轴向额定动载荷/Axial dynamic load	C ax	[kN]	190
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	52
压力差/Pressure differential	Δ	[bar]	150
油流量/Oil flow	Q	[l/min]	15
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	3574



【SG-I系列】

SG-I Series

【SG-I-0411】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

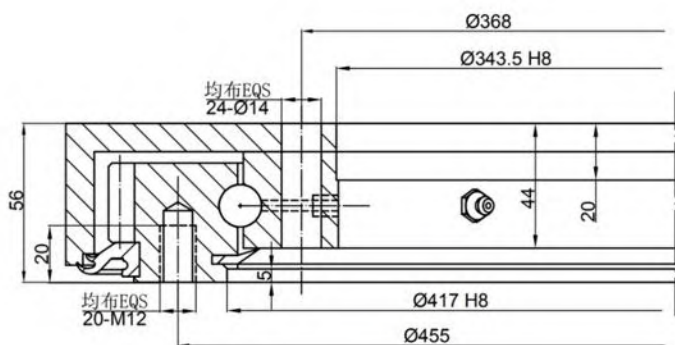
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

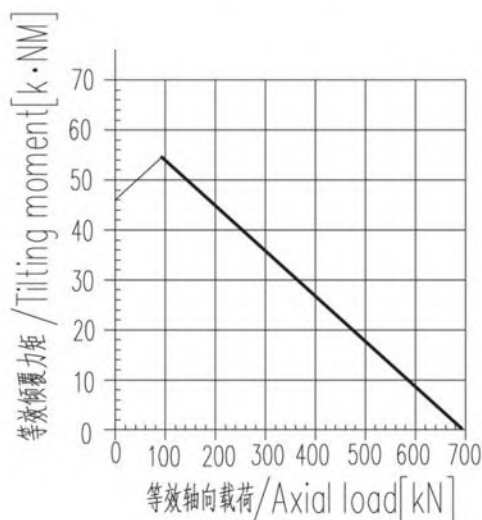
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z 2	[-]	126
小齿轮齿数/Teeth number of pinion	z 1	[-]	15
总传动比/Overall gear ration	i	[-]	8.40
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	4476
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	3181
最大保持扭矩/Max holding torque	Mh	[Nm]	4476
径向额定静载荷/Radial static load	Co rad	[kN]	261
轴向额定静载荷/Axial static load	Co ax	[kN]	699
径向额定动载荷/Radial dynamic load	C rad	[kN]	180
轴向额定动载荷/Axial dynamic load	C ax	[kN]	211
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	62
压力差/Pressure differential	Δ	[bar]	150
油流量/Oil flow	Q	[l/min]	17
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	4476

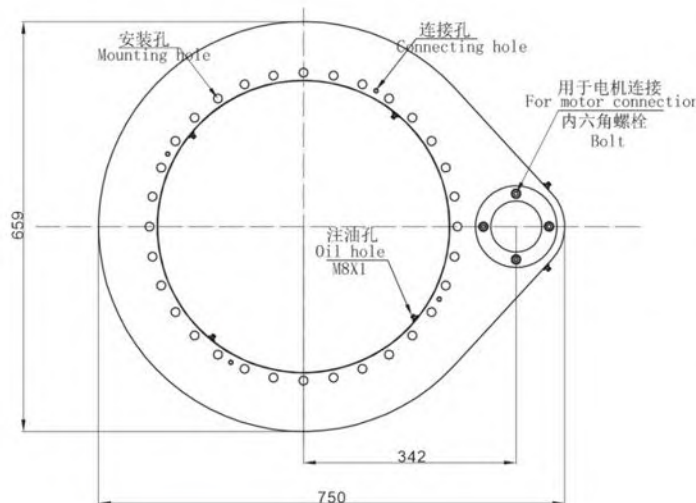


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

SG-I Series

LDB® SLEW DRIVE

【SG-I-0541】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

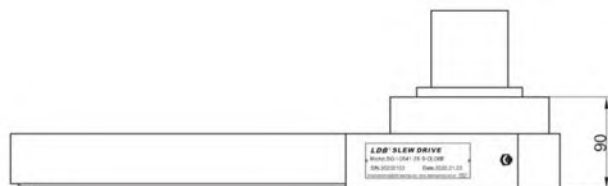
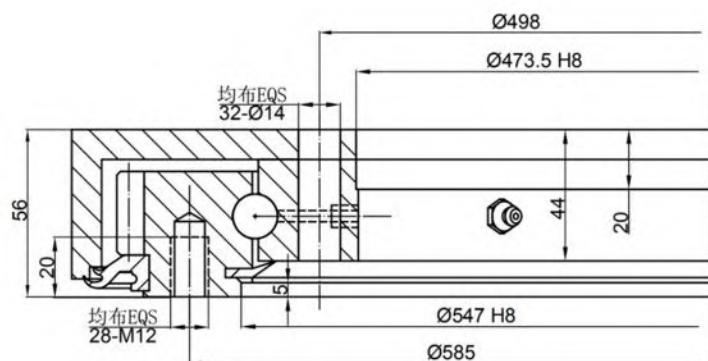
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

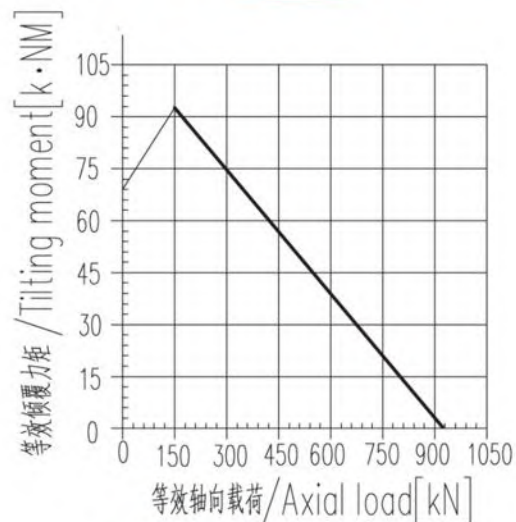
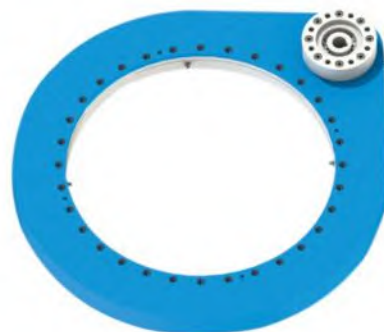
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	156
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	10.40
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	5632
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	4031
最大保持扭矩/Max holding torque	Mh	[Nm]	5632
径向额定静载荷/Radial static load	Co rad	[kN]	344
轴向额定静载荷/Axial static load	Co ax	[kN]	922
径向额定动载荷/Radial dynamic load	C rad	[kN]	201
轴向额定动载荷/Axial dynamic load	C ax	[kN]	236
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	75
压力差/Pressure differential	Δ	[bar]	150
油留量/Oil flow	Q	[l/min]	21
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	5632



- 滚道曲线/Raceway curve
- 螺栓曲线/Bolt curve R p0.2
- 螺栓等级/Bolt class 10.9

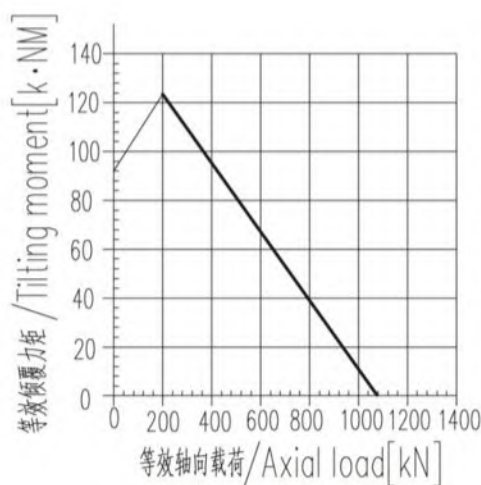
SG-I Series

【SG-I-0641】



Slewing drive supplied pre-lubricated

模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	183
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	12.20
最大扭矩/Max torque SFS=1.75	M _{d max}	[Nm]	6534
标准扭矩/Nom torque SF=1 at n=5rpm	M _{d nom}	[Nm]	4675
最大保持扭矩/Max holding torque	M _h	[Nm]	6534
径向额定静载荷/Radial static load	C _{0 rad}	[kN]	408
轴向额定静载荷/Axial static load	C _{0 ax}	[kN]	1092
径向额定动载荷/Radial dynamic load	C _{rad}	[kN]	215
轴向额定动载荷/Axial dynamic load	C _{ax}	[kN]	251
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	85
压力差/Pressure differential	Δ	[bar]	155
油流量/Oil flow	Q	[l/min]	23
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	M _d	[Nm]	6534



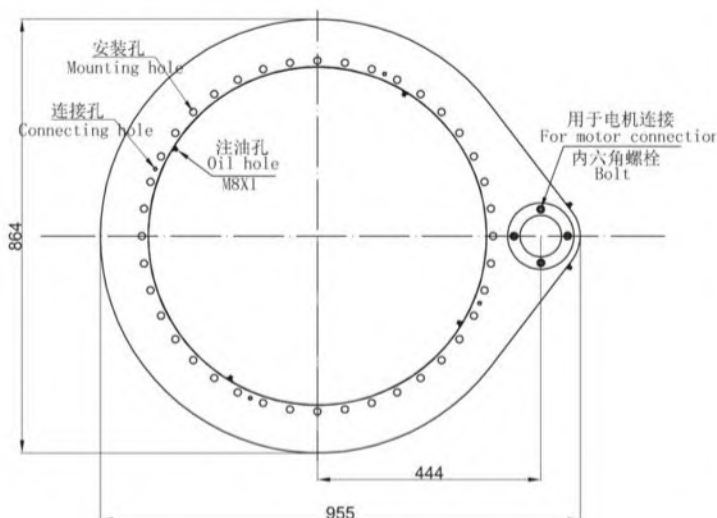
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-I系列】

SG-I Series

【SG-I-0741】

LDB® SLEW DRIVE



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	207
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ratio	i	[-]	13.80
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	7437
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	5362
最大保持扭矩/Max holding torque	Mh	[Nm]	7437
径向额定静载荷/Radial static load	Co rad	[kN]	471
轴向额定静载荷/Axial static load	Co ax	[kN]	1262
径向额定动载荷/Radial dynamic load	C rad	[kN]	226
轴向额定动载荷/Axial dynamic load	C ax	[kN]	264
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	95
压力差/Pressure differential	Δ	[bar]	155
油流量/Oil flow	Q	[l/min]	25
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	7437

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

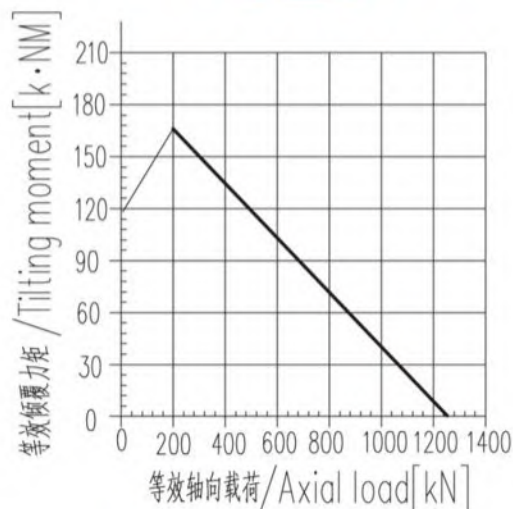
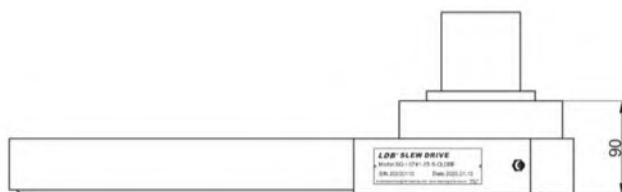
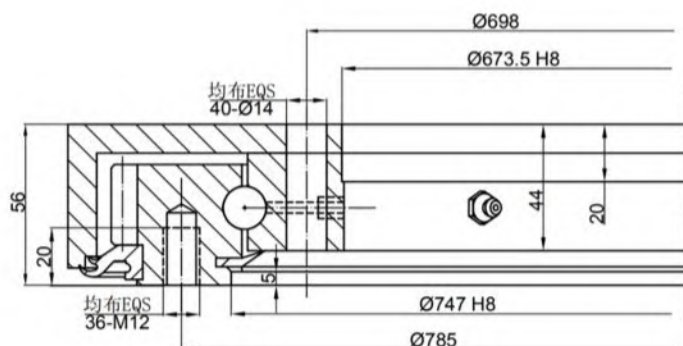
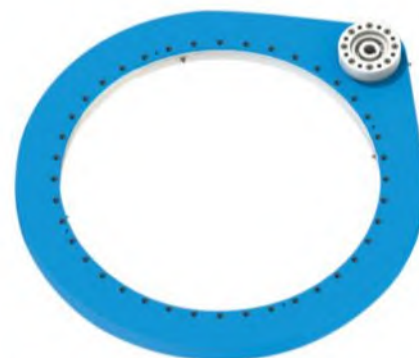
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

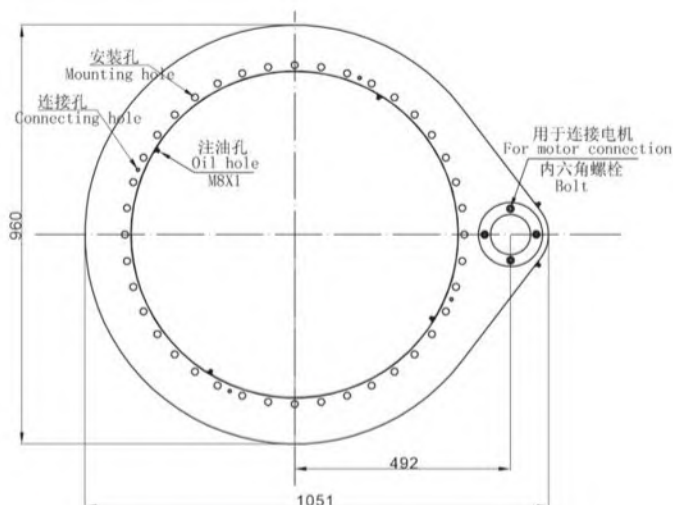
Slewing drive supplied pre-lubricated



— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

SG-I Series

【SG-I-0841】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

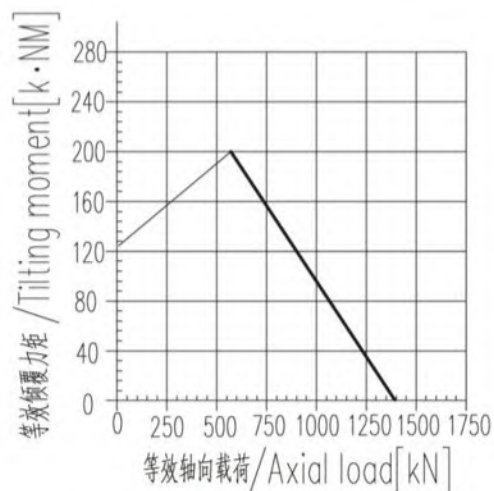
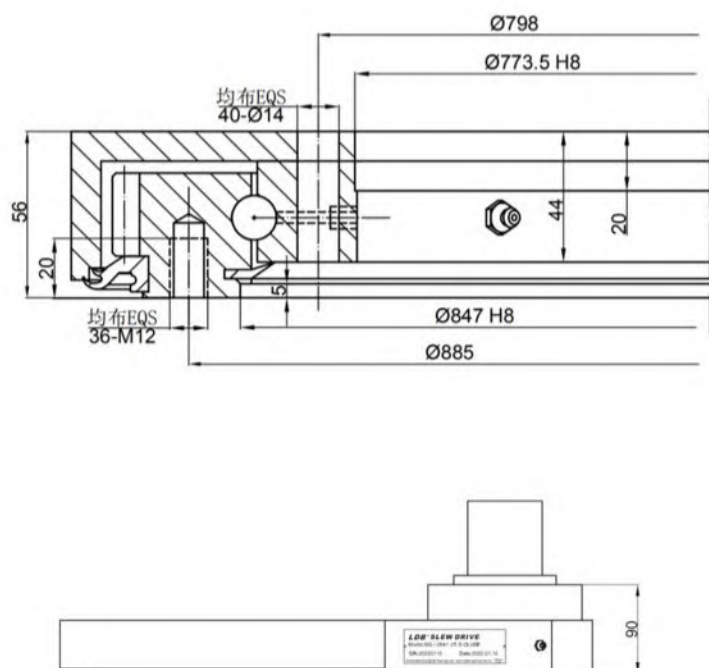
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑/Slewing drive supplied pre-lubricated

模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	231
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	15.40
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	8339
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	6012
最大保持扭矩/Max holding torque	Mh	[Nm]	8339
径向额定静载荷/Radial static load	Co rad	[kN]	535
轴向额定静载荷/Axial static load	Co ax	[kN]	1433
径向额定动载荷/Radial dynamic load	C rad	[kN]	237
轴向额定动载荷/Axial dynamic load	C ax	[kN]	278
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	106
压力差/Pressure differential	Δ	[bar]	155
油留量/Oil flow	Q	[l/min]	28
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	8339



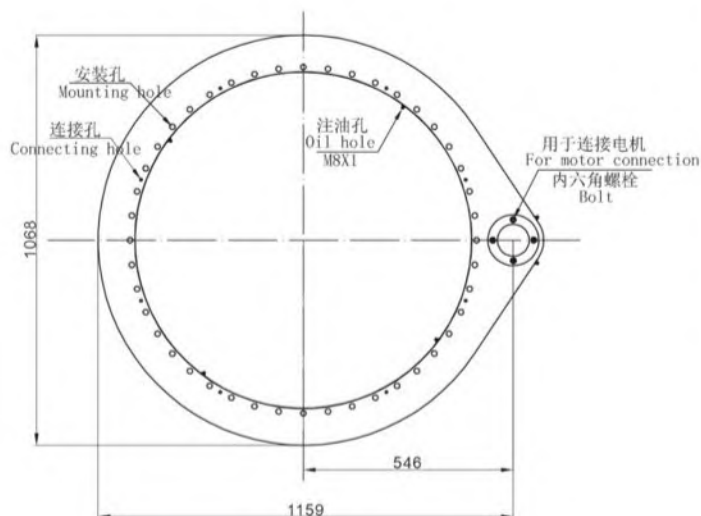
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-I系列】

SG-I Series

【SG-I-0941】

LDB[®] SLEW DRIVE



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	258
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ratio	i	[-]	17.20
最大扭矩/Max torque SF5=1.75	Md max	[Nm]	9242
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	6688
最大保持扭矩/Max holding torque	Mh	[Nm]	9242
径向额定静载荷/Radial static load	Co rad	[kN]	599
轴向额定静载荷/Axial static load	Co ax	[kN]	1603
径向额定动载荷/Radial dynamic load	C rad	[kN]	247
轴向额定动载荷/Axial dynamic load	C ax	[kN]	290
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	116
压力差/Pressure differential	Δ	[bar]	155
油流量/Oil flow	Q	[l/min]	30
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	9242

回转驱动的润滑

Lubrication of slewing drive

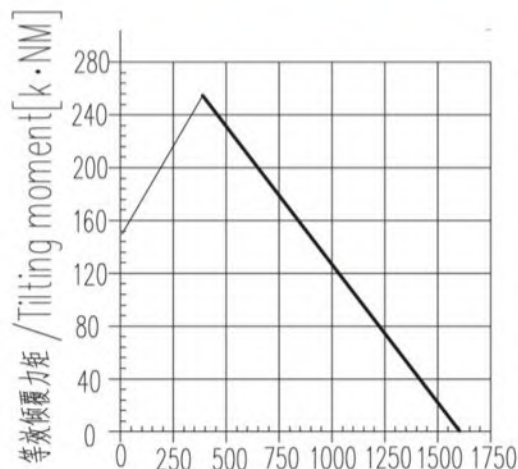
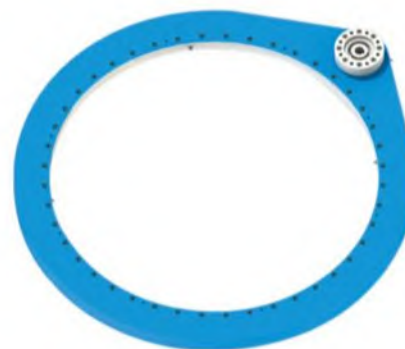
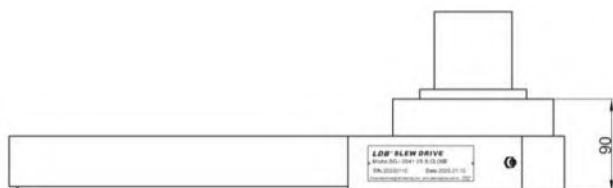
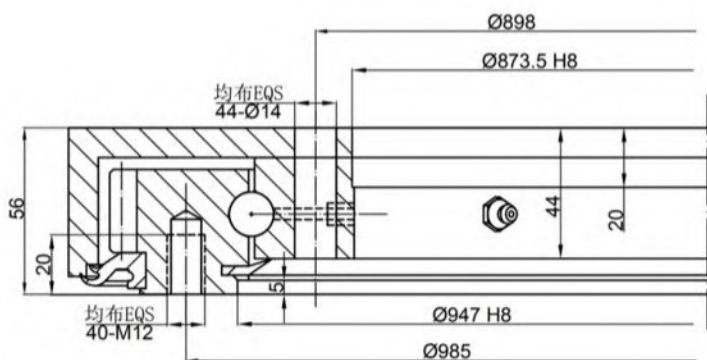
内径上有4个M8X1的注油嘴

4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑/Slewing drive supplied pre-lubricated

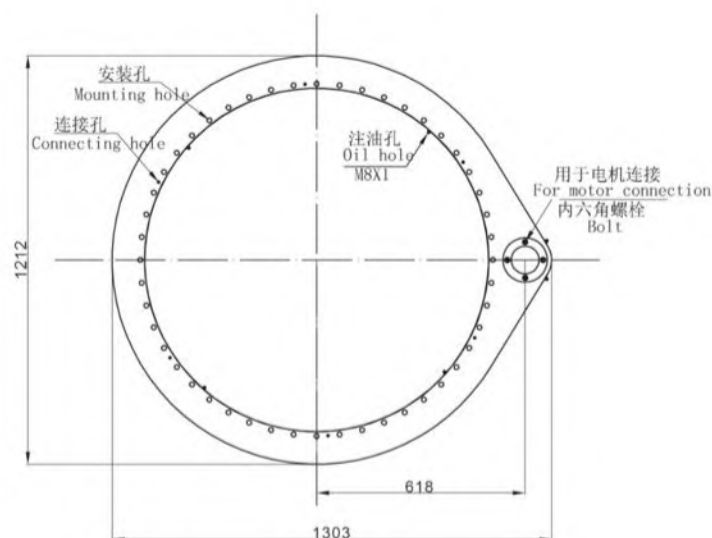


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-I系列】

SG-I Series

【SG-I-1091】



模数/Module	m	[mm]	4
齿圈齿数/Teeth number of wheel	z2	[-]	294
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	19.60
最大扭矩/Max torque SFS=1.75	Md max	[Nm]	10613
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	7681
最大保持扭矩/Max holding torque	Mh	[Nm]	10613
径向额定静载荷/Radial static load	Co rad	[kN]	695
轴向额定静载荷/Axial static load	Co ax	[kN]	1859
径向额定动载荷/Radial dynamic load	Crad	[kN]	261
轴向额定动载荷/Axial dynamic load	Cax	[kN]	305
重量 (包括RE-300液压马达的12KG)/Weight	P	[kg]	132
压力差/Pressure differential	Δ	[bar]	150
油流量/Oil flow	Q	[l/min]	35
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	10613

回转驱动的润滑

Lubrication of slewing drive

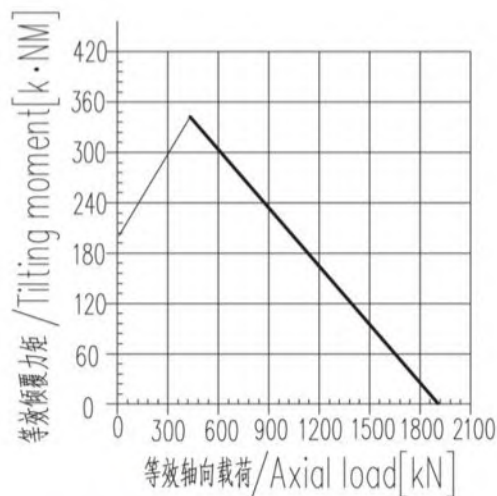
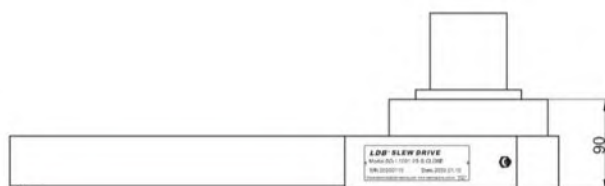
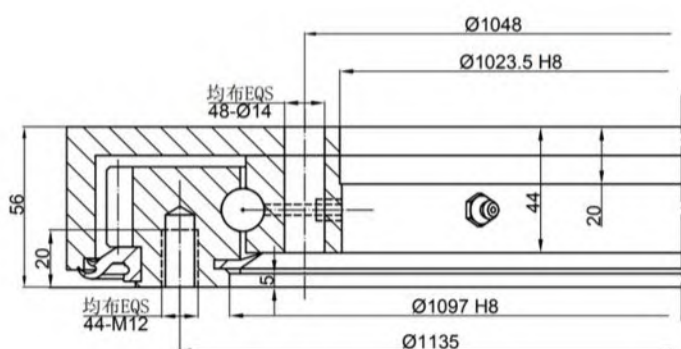
内径上有4个M8X1的注油嘴

4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑/Slewing drive supplied pre-lubricated

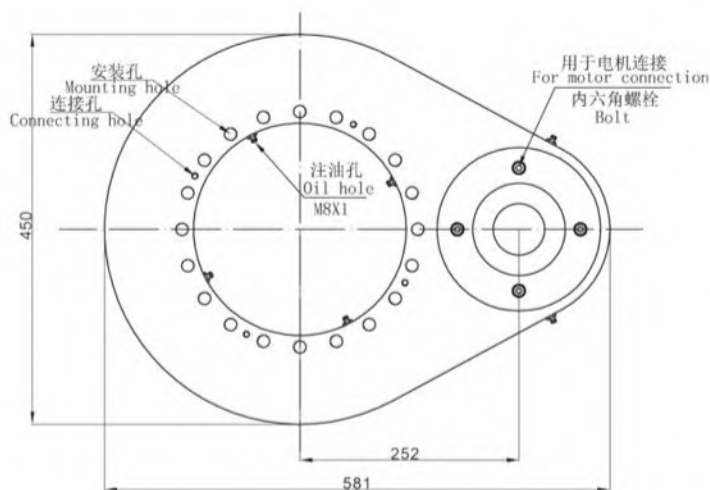


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

SG-M Series

LDB® SLEW DRIVE

【SG-M-0311】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

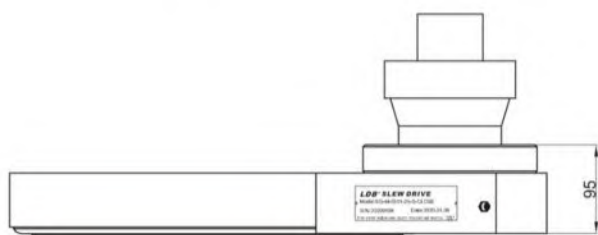
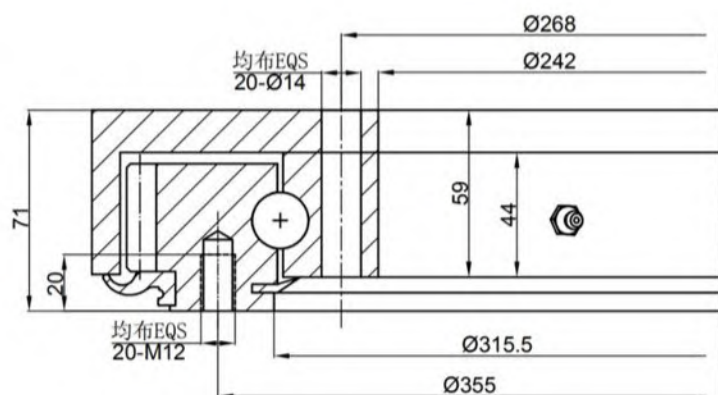
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

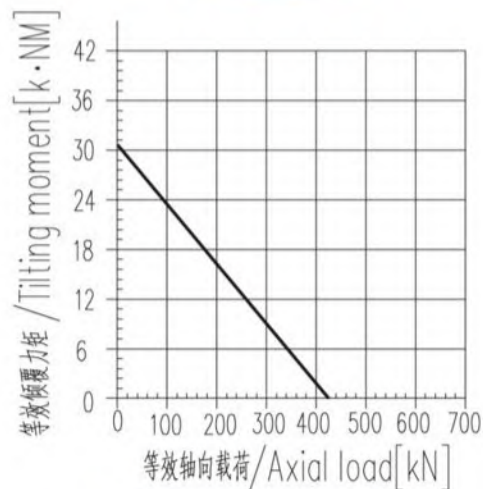
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	69
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	4.60
最大扭矩/Max torque	Md max	[Nm]	8191
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	6139
最大保持扭矩/Max holding torque	Mh	[Nm]	8191
径向额定静载荷/Radial static load	Co rad	[kN]	181
轴向额定静载荷/Axial static load	Co ax	[kN]	425
径向额定动载荷/Radial dynamic load	C rad	[kN]	133
轴向额定动载荷/Axial dynamic load	C ax	[kN]	133
重量 (包括T-306液压马达的8KG)/Weight	P	[kg]	80
压力差/Pressure differential	Δ	[bar]	124
油留量/Oil flow	Q	[l/min]	39
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	8191

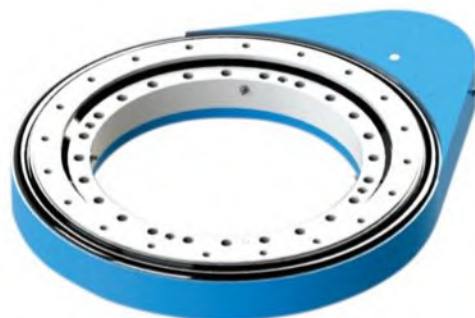
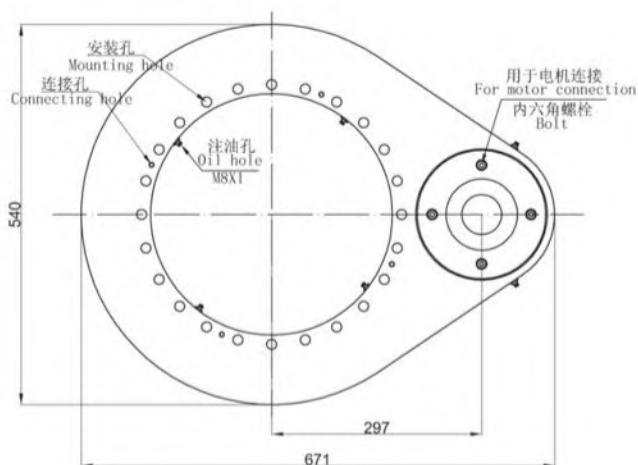


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

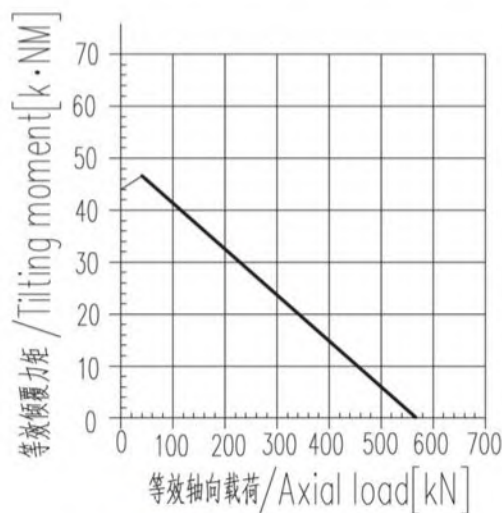
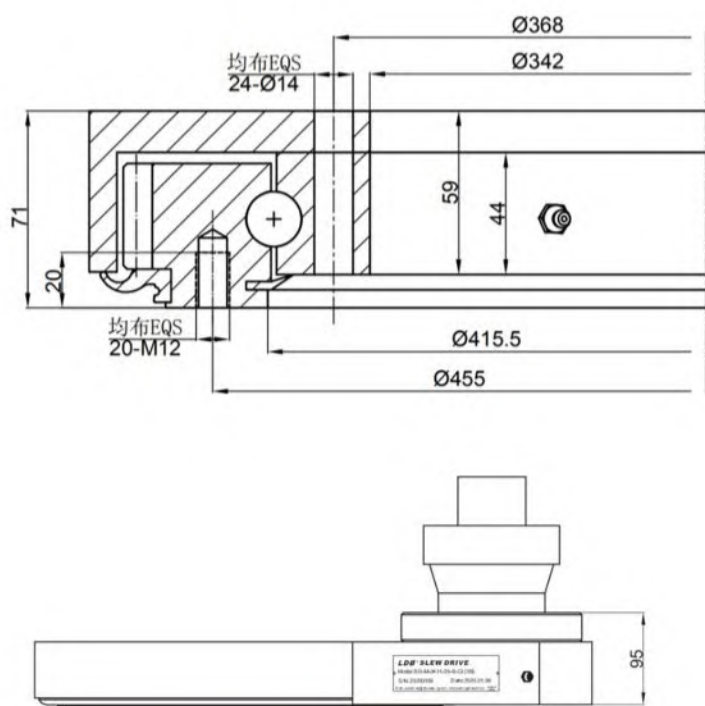
SG-M Series

【SG-M-0411】



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	84
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	5.60
最大扭矩/Max torque	Md max	[Nm]	10147
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	7687
最大保持扭矩/Max holding torque	Mh	[Nm]	10147
径向额定静载荷/Radial static load	C _{0 rad}	[kN]	240
轴向额定静载荷/Axial static load	C _{0 ax}	[kN]	561
径向额定动载荷/Radial dynamic load	C _{rad}	[kN]	147
轴向额定动载荷/Axial dynamic load	C _{ax}	[kN]	147
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	95
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	28
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	10147

回转驱动的润滑
Lubrication of slewing drive
内径上有4个M8X1的注油嘴
4 M8X1 grease nipples on the inner ring
壳体两侧边有2个M8X1的注油嘴
2 M8X1 grease nipples on the housing
回转驱动应预先润滑
Slewing drive supplied pre-lubricated



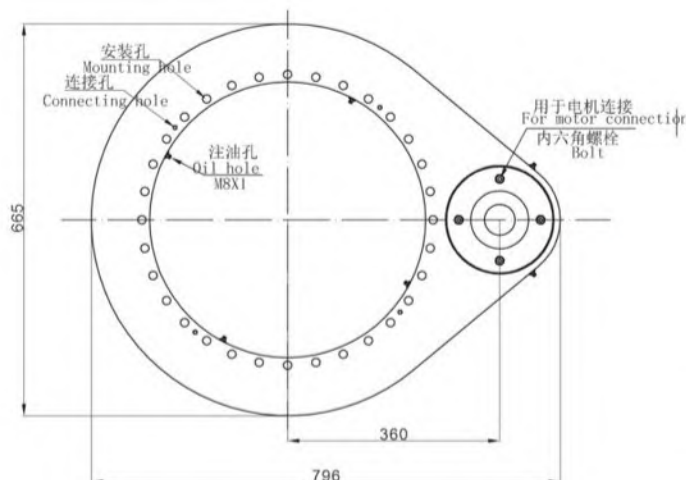
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

【SG-M-0541】

LDB[®] SLEW DRIVE



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	105
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	7
最大扭矩/Max torque	Md max	[Nm]	12837
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	9845
最大保持扭矩/Max holding torque	Mh	[Nm]	12837
径向额定静载荷/Radial static load	Co rad	[kN]	316
轴向额定静载荷/Axial static load	Co ax	[kN]	739
径向额定动载荷/Radial dynamic load	C rad	[kN]	164
轴向额定动载荷/Axial dynamic load	C ax	[kN]	165
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	110
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	34
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	12837

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

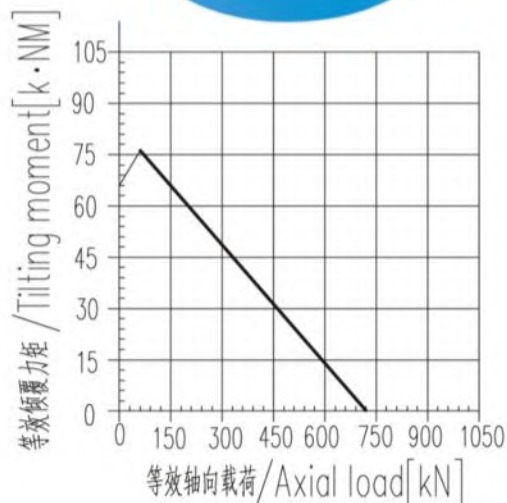
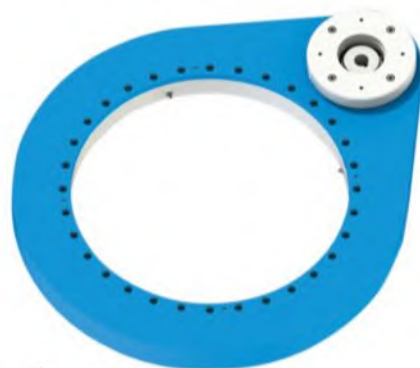
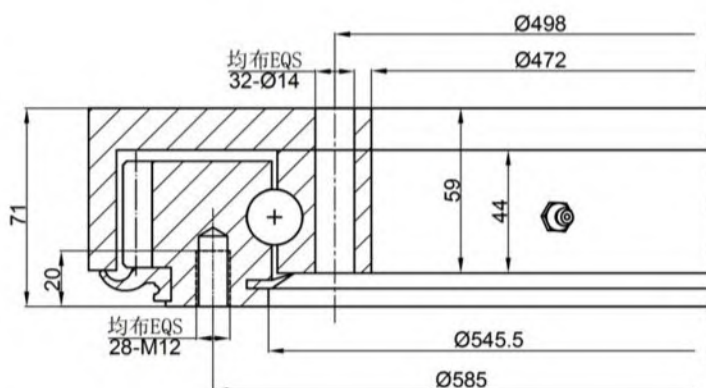
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

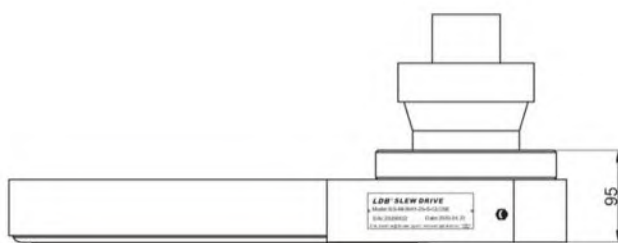
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



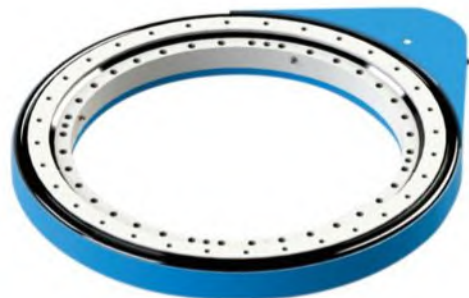
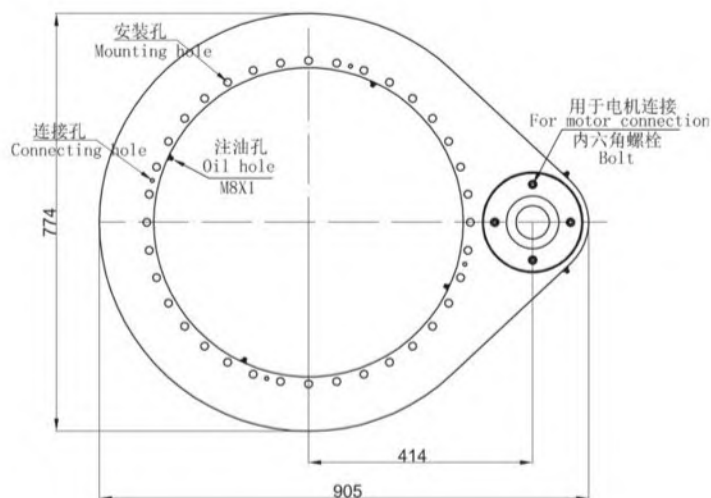
- 滚道曲线/Raceway curve
- 螺栓曲线/Bolt curve R p0.2
- 螺栓等级/Bolt class 10.9



【SG-M系列】

SG-M Series

【SG-M-0641】



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	123
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	8.20
最大扭矩/Max torque	Md max	[Nm]	14916
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	11508
最大保持扭矩/Max holding torque	Mh	[Nm]	14916
径向额定静载荷/Radial static load	C _{o rad}	[kN]	374
轴向额定静载荷/Axial static load	C _{o ax}	[kN]	876
径向额定动载荷/Radial dynamic load	C _{rad}	[kN]	175
轴向额定动载荷/Axial dynamic load	C _{ax}	[kN]	176
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	125
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	38
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	14916

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

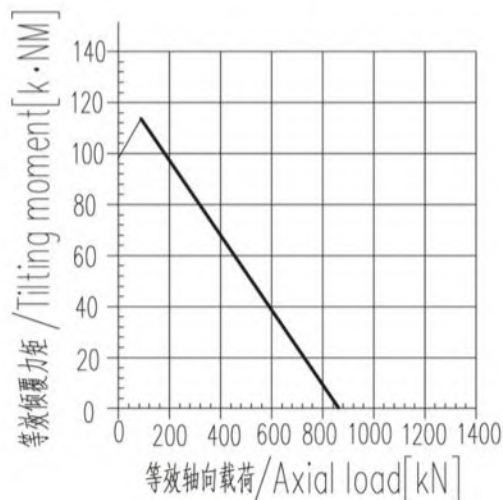
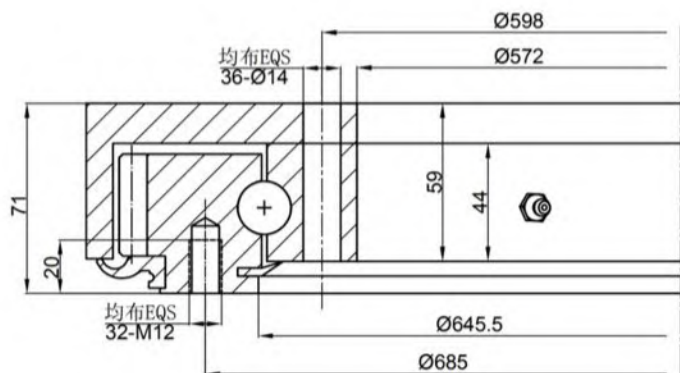
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated

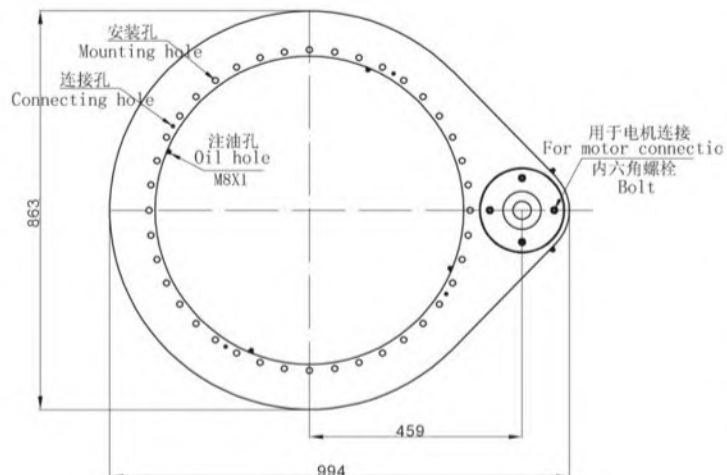


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

【SG-M-0741】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

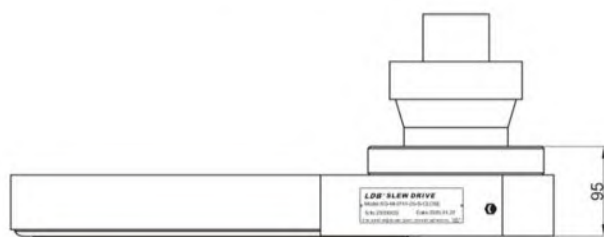
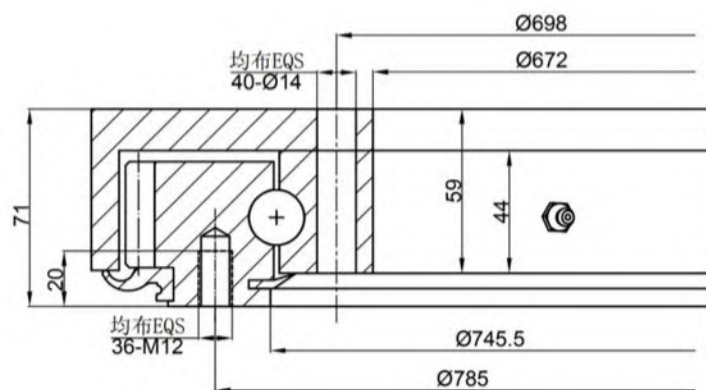
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

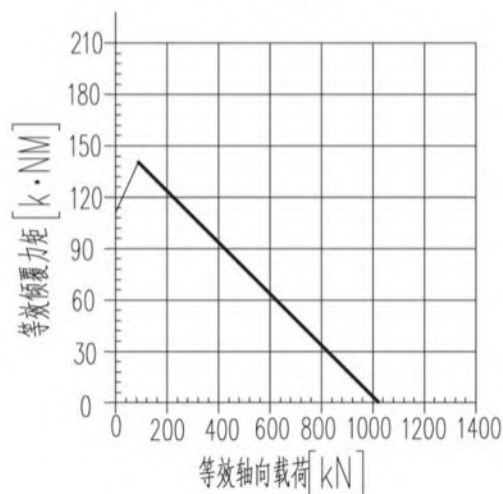
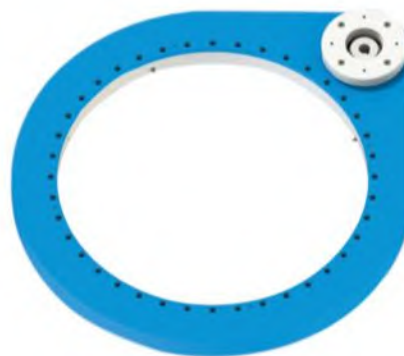
回转驱动应预先润滑

Slewing drive supplied pre-lubricated



LDB[®] SLEW DRIVE

模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	138
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	9.20
最大扭矩/Max torque	Md max	[Nm]	16872
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	13057
最大保持扭矩/Max holding torque	Mh	[Nm]	16872
径向额定静载荷/Radial static load	Co rad	[kN]	433.2
轴向额定静载荷/Axial static load	Co ax	[kN]	1013
径向额定动载荷/Radial dynamic load	C rad	[kN]	184
轴向额定动载荷/Axial dynamic load	C ax	[kN]	185
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	140
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	43
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	16872

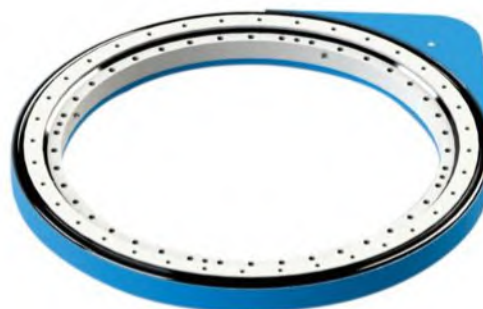
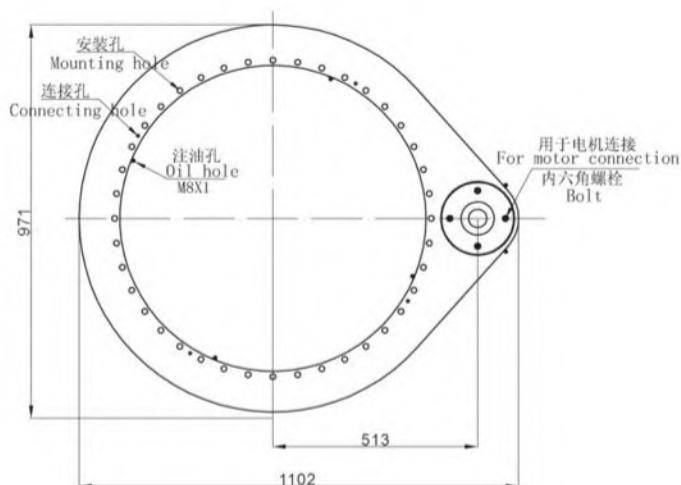


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

【SG-M-0841】



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	156
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	10.40
最大扭矩/Max torque	Md max	[Nm]	19073
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	14805
最大保持扭矩/Max holding torque	Mh	[Nm]	19073
径向额定静载荷/Radial static load	Co rad	[kN]	492
轴向额定静载荷/Axial static load	Co ax	[kN]	1150
径向额定动载荷/Radial dynamic load	C rad	[kN]	194
轴向额定动载荷/Axial dynamic load	C ax	[kN]	195
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	155
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	48
输出转速/Output speed	n	[min ⁻¹]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	19073

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

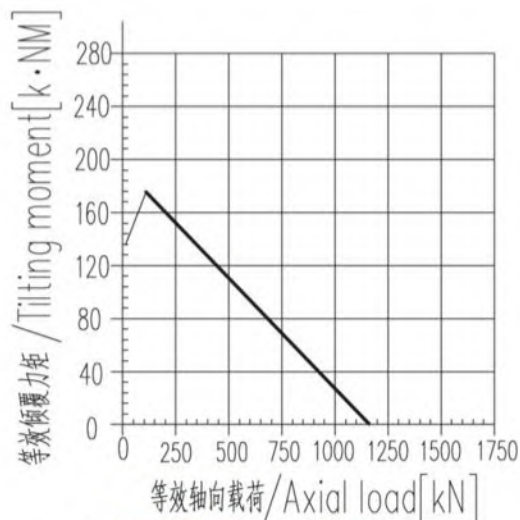
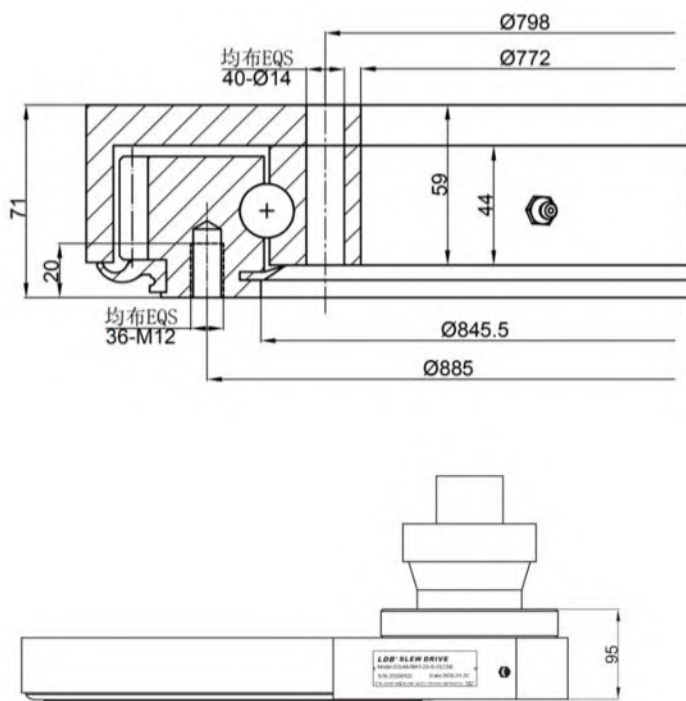
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



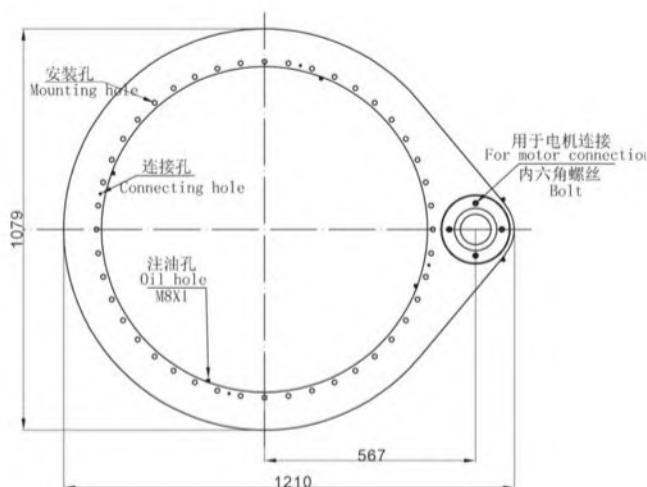
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

【SG-M-0941】

LDB® SLEW DRIVE



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

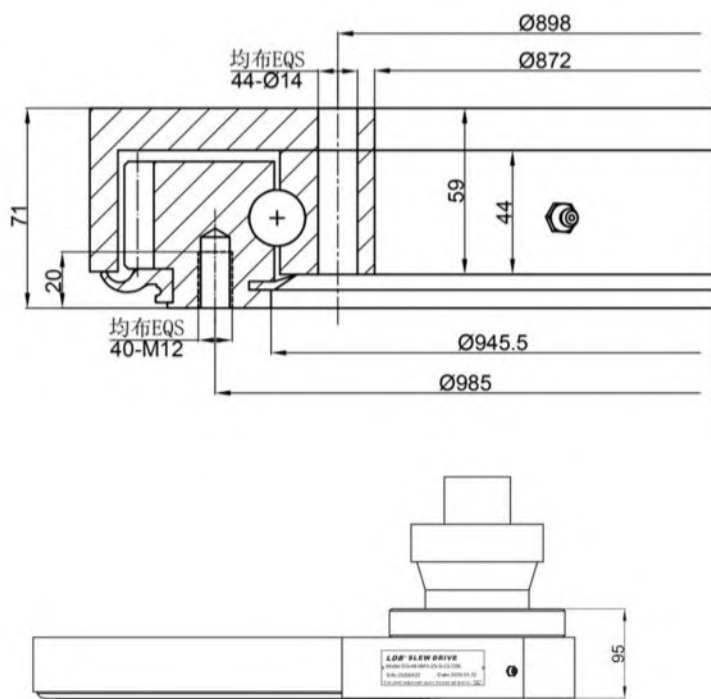
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

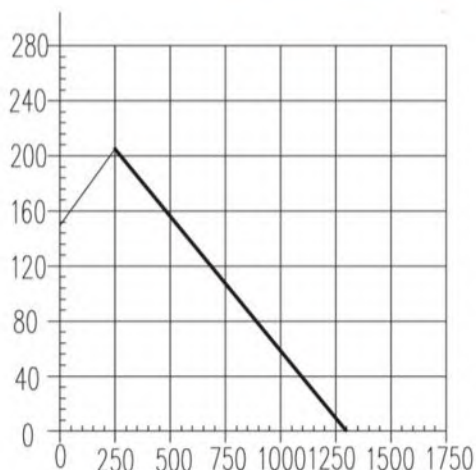
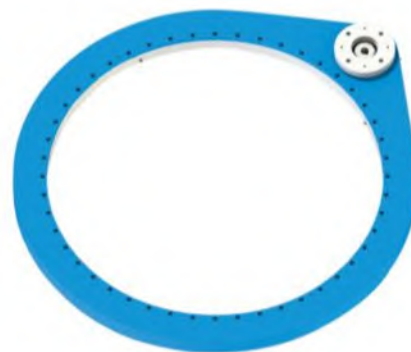
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	174
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	11.60
最大扭矩/Max torque	Md max	[Nm]	21029
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	16323
最大保持扭矩/Max holding torque	Mh	[Nm]	21029
径向额定静载荷/Radial static load	Co rad	[kN]	550
轴向额定静载荷/Axial static load	Co ax	[kN]	1286
径向额定动载荷/Radial dynamic load	C rad	[kN]	201
轴向额定动载荷/Axial dynamic load	C ax	[kN]	203
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	170
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	51
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	21029

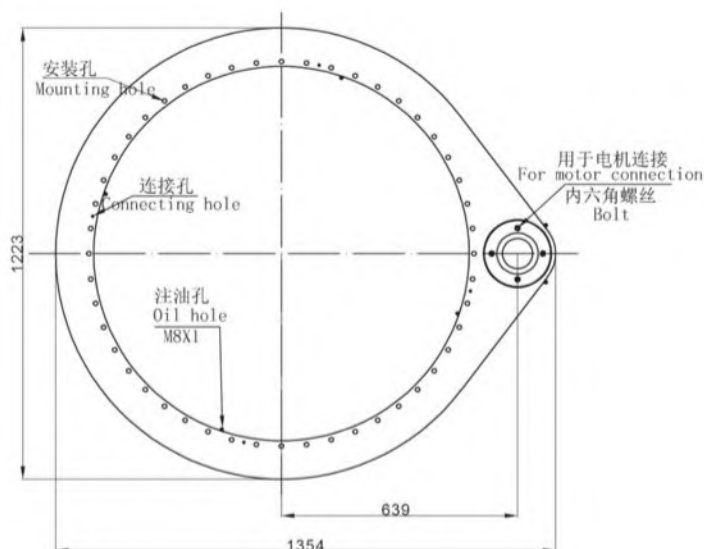


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

【SG-M-1091】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

4 M8X1 grease nipples on the inner ring

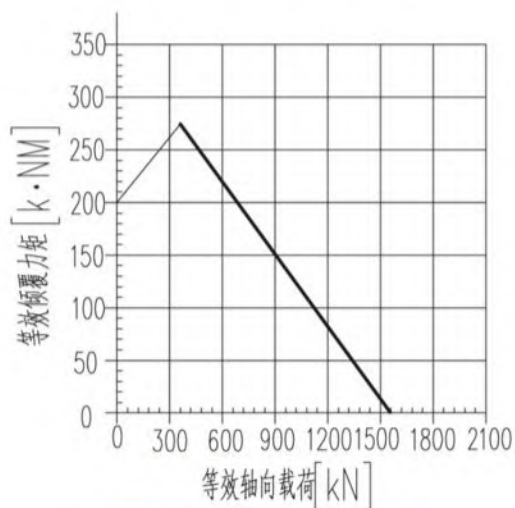
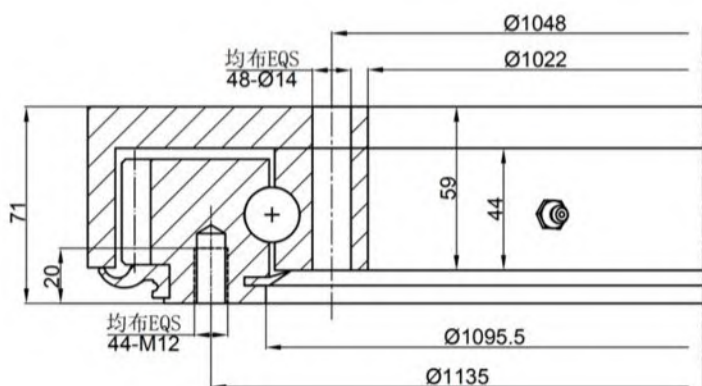
壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated

模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	198
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	13.20
最大扭矩/Max torque	Md max	[Nm]	24207
标准扭矩/Nom torque SF=1 at n=5rpm	Md nom	[Nm]	18847
最大保持扭矩/Max holding torque	Mh	[Nm]	24207
径向额定静载荷/Radial static load	Co rad	[kN]	638
轴向额定静载荷/Axial static load	Co ax	[kN]	1492
径向额定动载荷/Radial dynamic load	C rad	[kN]	213
轴向额定动载荷/Axial dynamic load	C ax	[kN]	215
重量 (包括2-200液压马达的10KG)/Weight	P	[kg]	200
压力差/Pressure differential	Δ	[bar]	190
油流量/Oil flow	Q	[l/min]	62
输出转速/Output speed	n	[min-1]	5
最大可达扭矩/Max achievable torque	Md	[Nm]	24207



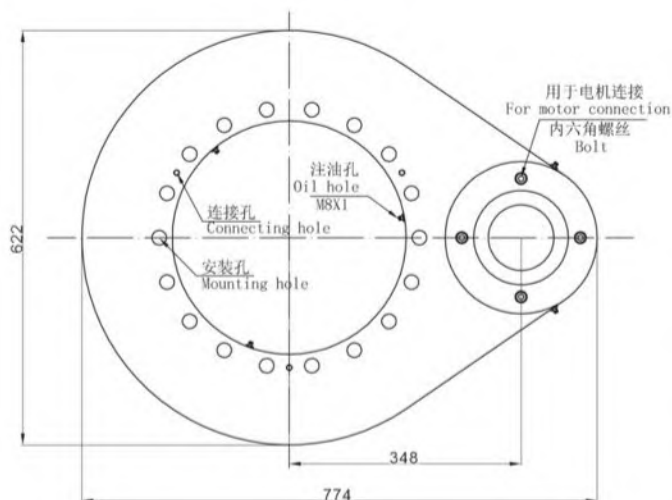
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-H系列】

SG-H Series

LDB[®] SLEW DRIVE

【SG-H-0455】



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	72
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ratio	i	[-]	4.80
最大扭矩/Max torque	Md max	[Nm]	26289
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	17209
最大保持扭矩/Max holding torque	Mh	[Nm]	26289
径向额定静载荷/Radial static load	Co rad	[kN]	508
轴向额定静载荷/Axial static load	Co ax	[kN]	1360
径向额定动载荷/Radial dynamic load	C rad	[kN]	236
轴向额定动载荷/Axial dynamic load	C ax	[kN]	275
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	190
压力差/Pressure differential	Δ	[bar]	195
油流量/Oil flow	Q	[l/min]	38
输出转速/Output speed	n	[min ⁻¹]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	26289

回转驱动的润滑

Lubrication of slewing drive

内径上有3个M8X1的注油嘴

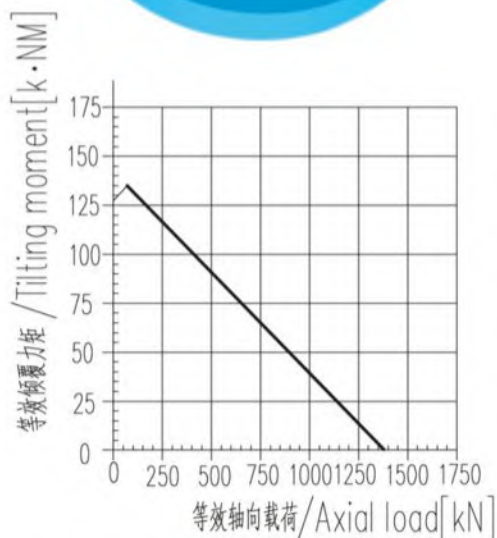
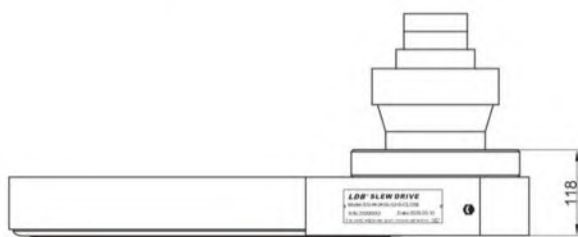
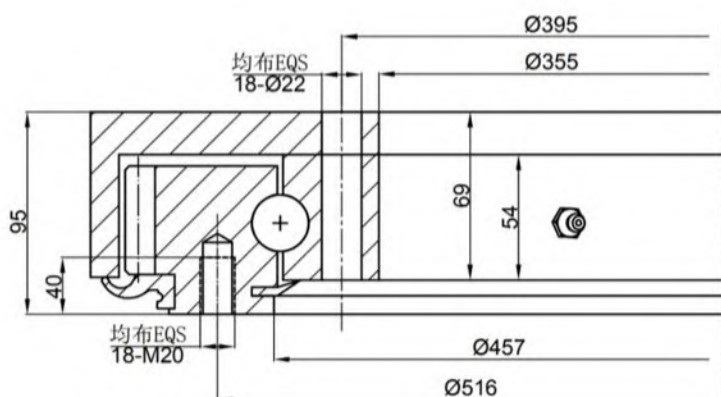
3 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated

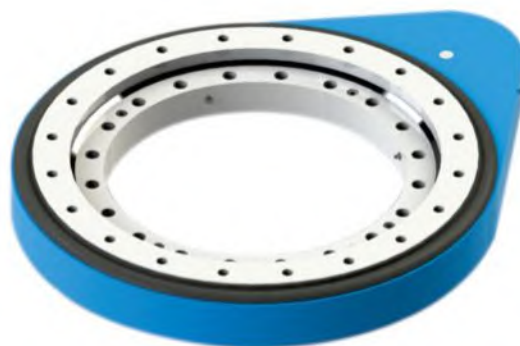
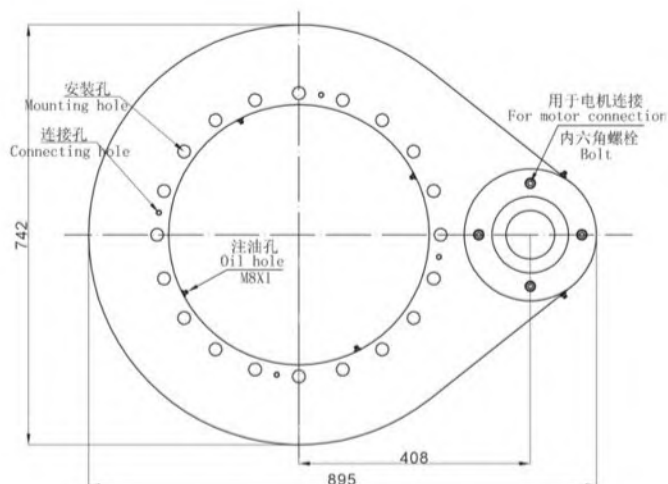


— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-H系列】

SG-H Series

【SG-H-0555】



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	87
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	5.80
最大扭矩/Max torque	Md max	[Nm]	31036
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	20510
最大保持扭矩/Max holding torque	Mh	[Nm]	31036
径向额定静载荷/Radial static load	Co rad	[kN]	619
轴向额定静载荷/Axial static load	Co ax	[kN]	1658
径向额定动载荷/Radial dynamic load	C rad	[kN]	253
轴向额定动载荷/Axial dynamic load	C ax	[kN]	296
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	215
压力差/Pressure differential	Δ	[bar]	195
油流量/Oil flow	Q	[l/min]	45
输出转速/Output speed	n	[min ⁻¹]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	31036

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

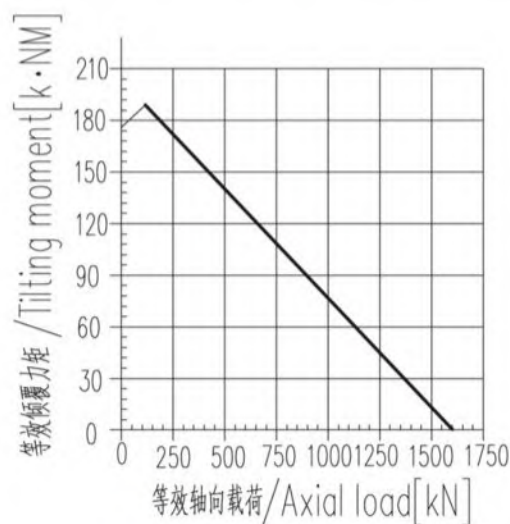
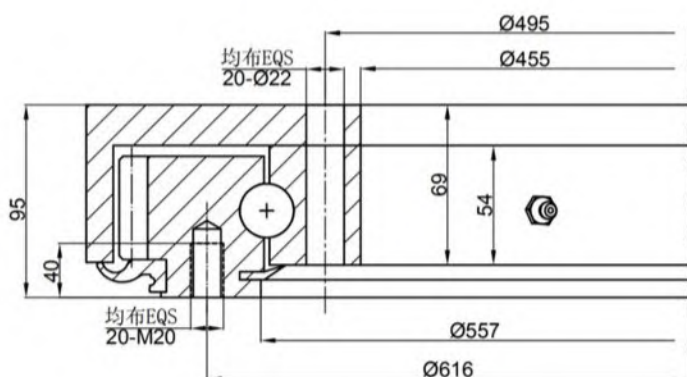
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated

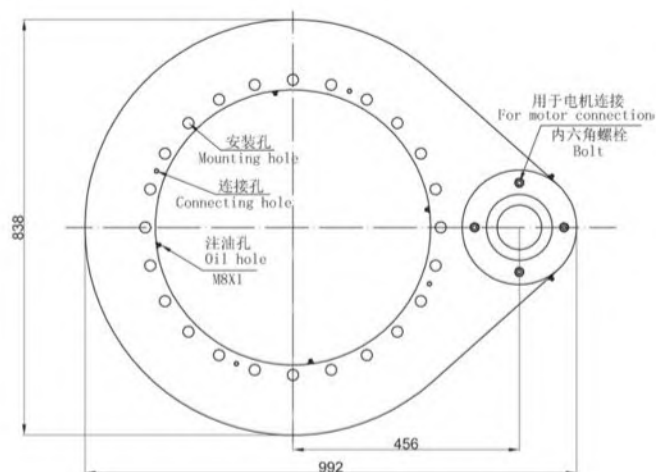


— 滚道曲线/Raceway curve
 - 螺栓曲线/Bolt curve R p0.2
 螺栓等级/Bolt class 10.9

SG-H Series

LDB® SLEW DRIVE

【SG-H-0655】



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

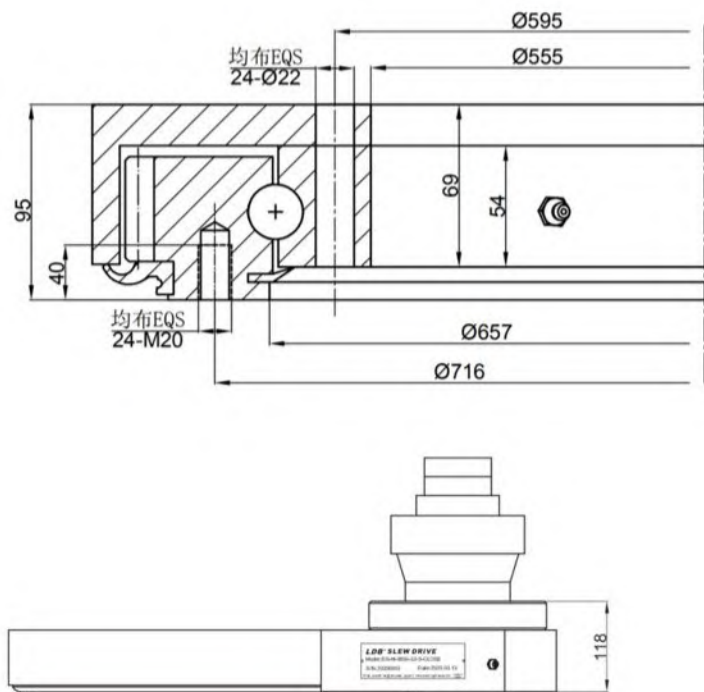
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

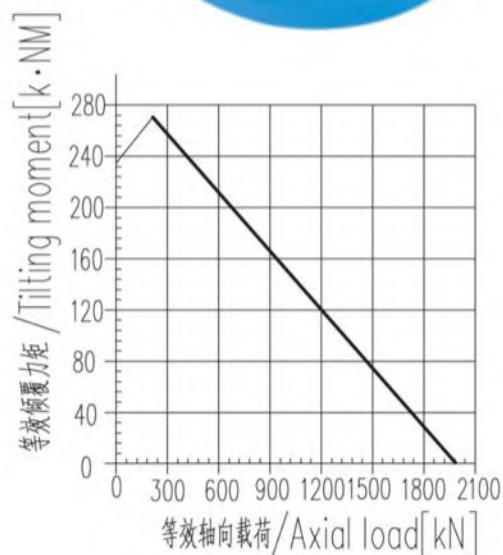
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	99
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	6.60
最大扭矩/Max torque	Md max	[Nm]	35783
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	23795
最大保持扭矩/Max holding torque	Mh	[Nm]	35783
径向额定静载荷/Radial static load	Co rad	[kN]	731
轴向额定静载荷/Axial static load	Co ax	[kN]	1957
径向额定动载荷/Radial dynamic load	C rad	[kN]	269
轴向额定动载荷/Axial dynamic load	C ax	[kN]	314
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	245
压力差/Pressure differential	Δ	[bar]	195
油留量/Oil flow	Q	[l/min]	52
输出转速/Output speed	n	[min-1]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	35783

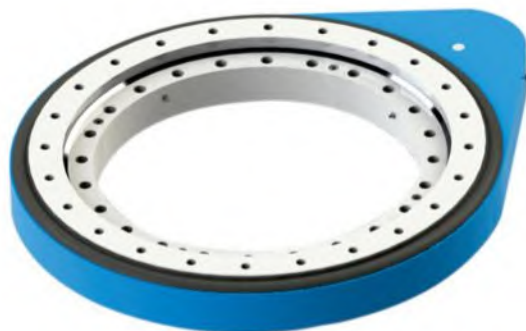
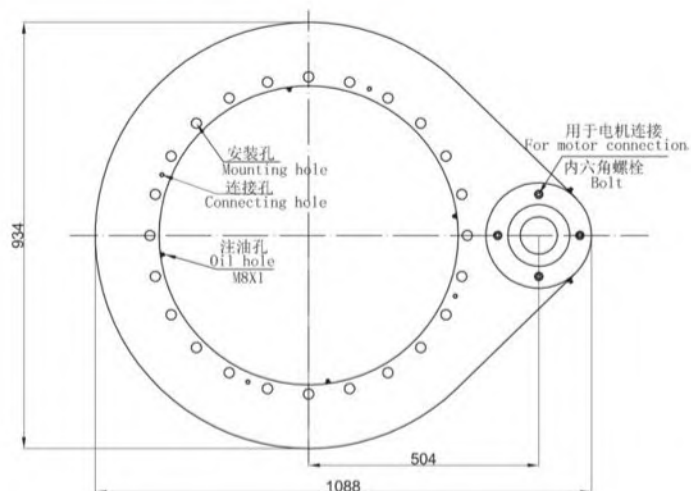


- 滚道曲线/Raceway curve
- 螺栓曲线/Bolt curve R p0.2
- 螺栓等级/Bolt class 10.9

【SG-H系列】

SG-H Series

【SG-H-0755】



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	111
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	7.40
最大扭矩/Max torque	Md max	[Nm]	40165
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	26793
最大保持扭矩/Max holding torque	Mh	[Nm]	40165
径向额定静载荷/Radial static load	Co rad	[kN]	843
轴向额定静载荷/Axial static load	Co ax	[kN]	2257
径向额定动载荷/Radial dynamic load	C rad	[kN]	284
轴向额定动载荷/Axial dynamic load	C ax	[kN]	331
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	265
压力差/Pressure differential	Δ	[bar]	195
油流量/Oil flow	Q	[l/min]	57
输出转速/Output speed	n	[min-1]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	40165

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

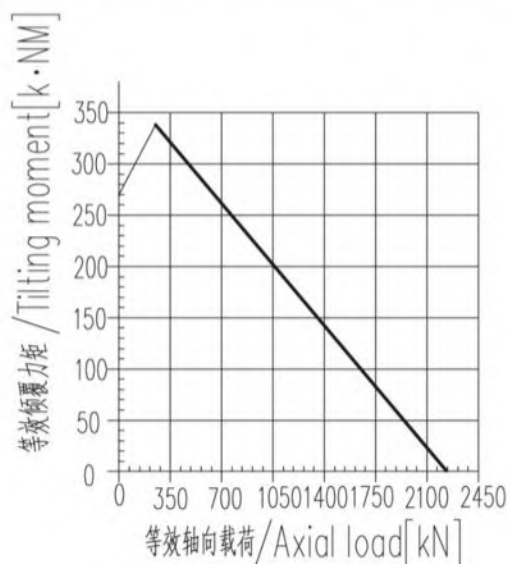
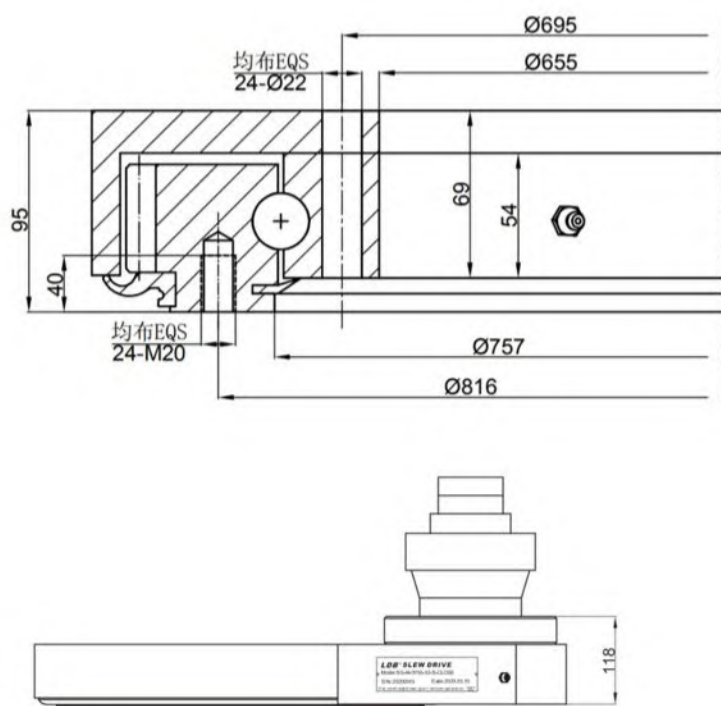
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

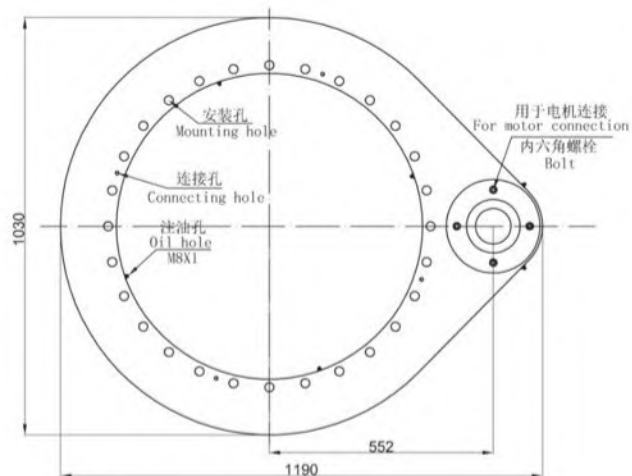
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9



回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

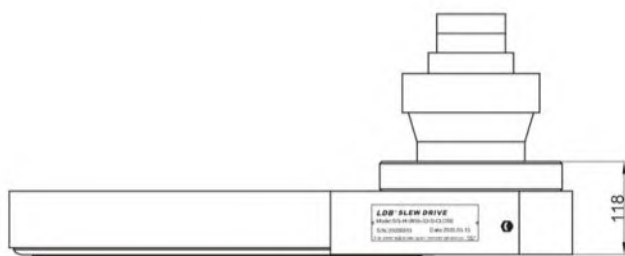
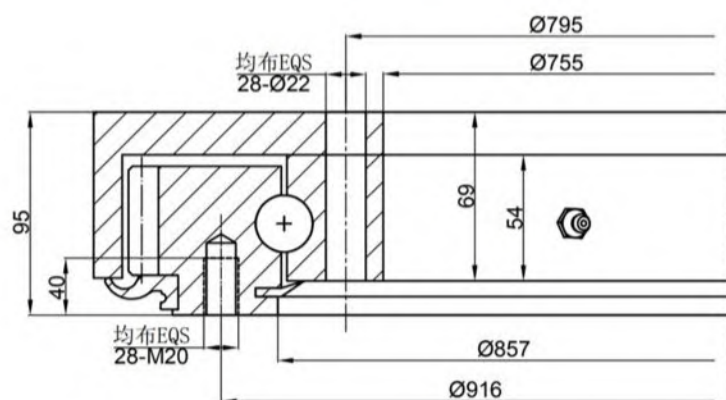
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

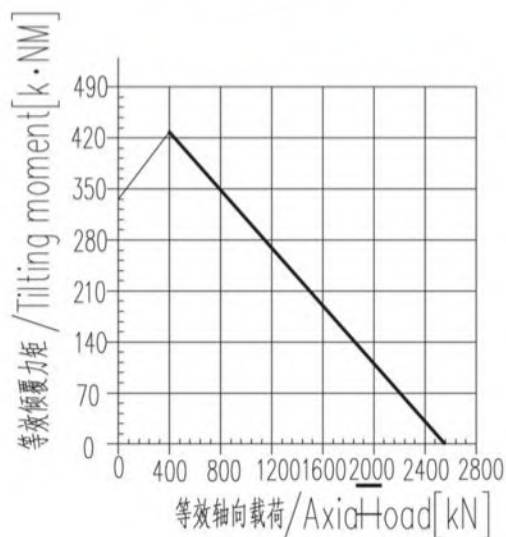
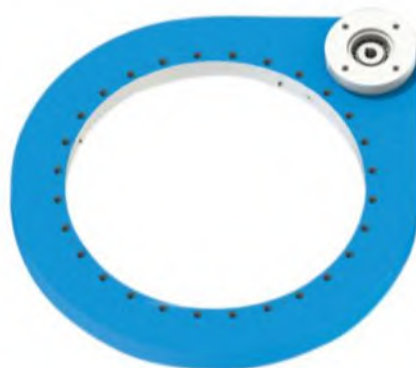
2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	123
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	8.20
最大扭矩/Max torque	Md max	[Nm]	44821
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	31111
最大保持扭矩/Max holding torque	Mh	[Nm]	44821
径向额定静载荷/Radial static load	Co rad	[kN]	954
轴向额定静载荷/Axial static load	Co ax	[kN]	2556
径向额定动载荷/Radial dynamic load	C rad	[kN]	299
轴向额定动载荷/Axial dynamic load	C ax	[kN]	349
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	295
压力差/Pressure differential	Δ	[bar]	195
油留量/Oil flow	Q	[l/min]	64
输出转速/Output speed	n	[min-1]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	44821

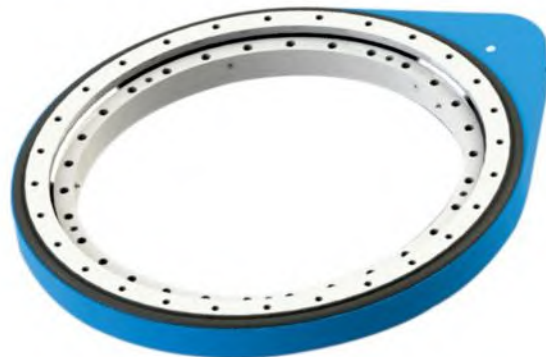
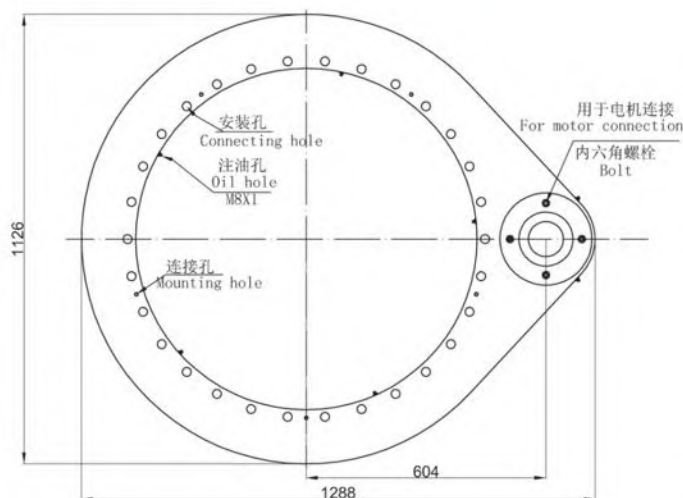


- 滚道曲线/Raceway curve
- 螺栓曲线/Bolt curve R p0.2
- 螺栓等级/Bolt class 10.9

【SG-H系列】

SG-H Series

【SG-H-0955】



模数/Module	m	[mm]	8
齿圈齿数/Teeth number of wheel	z2	[-]	135
小齿轮齿数/Teeth number of pinion	z1	[-]	15
总传动比/Overall gear ration	i	[-]	9
最大扭矩/Max torque	Md max	[Nm]	49293
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	34524
最大保持扭矩/Max holding torque	Mh	[Nm]	49293
径向额定静载荷/Radial static load	Co rad	[kN]	1066
轴向额定静载荷/Axial static load	Co ax	[kN]	2855
径向额定动载荷/Radial dynamic load	Crad	[kN]	311
轴向额定动载荷/Axial dynamic load	Cax	[kN]	363
重量 (包括2-132液压马达的10KG)/Weight	P	[kg]	320
压力差/Pressure differential	Δ	[bar]	195
油流量/Oil flow	Q	[l/min]	70
输出转速/Output speed	n	[min-1]	3
最大可达扭矩/Max achievable torque	Md	[Nm]	49293

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

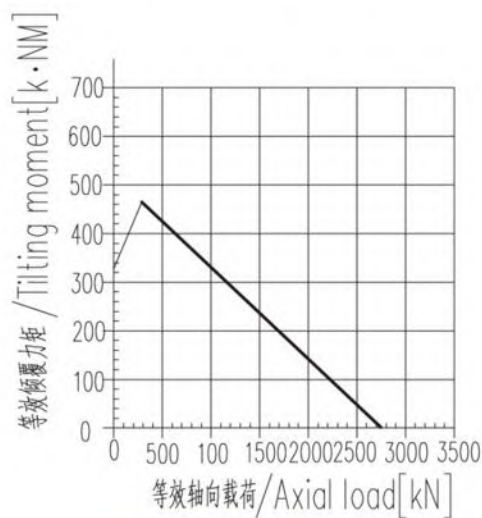
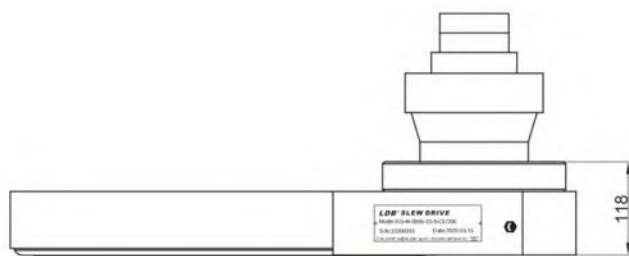
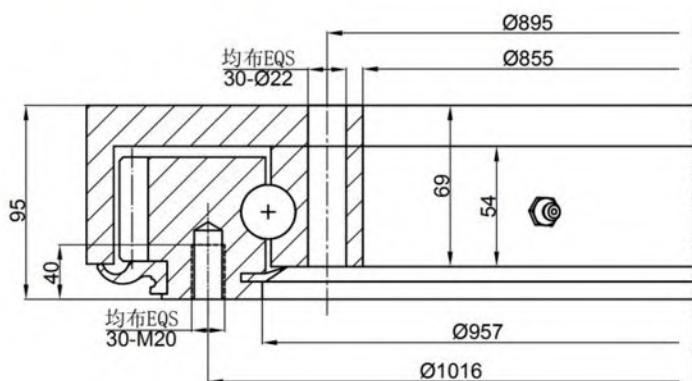
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



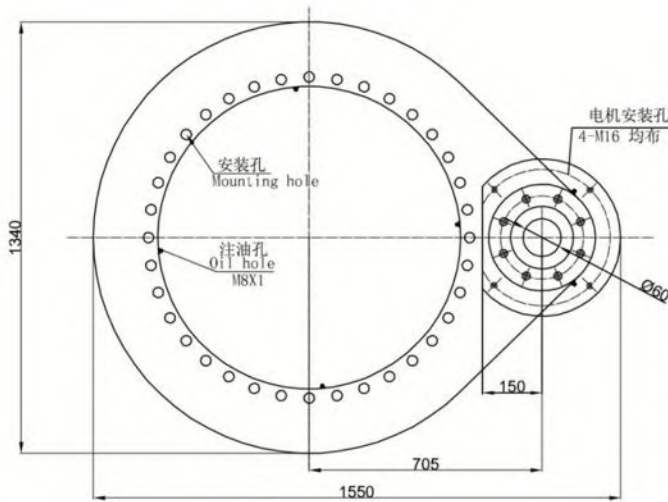
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-H系列】

SG-H Series

LDB[®] SLEW DRIVE

【SG-H-1120】



模数/Module	m	[mm]	6
齿圈齿数/Teeth number of wheel	z2	[-]	215
小齿轮齿数/Teeth number of pinion	z1	[-]	20
总传动比/Overall gear ratio	i	[-]	10.75
最大扭矩/Max torque	Md max	[Nm]	59000
标准扭矩/Nom torque SF=1 at n=3rpm	Md nom	[Nm]	39000
最大保持扭矩/Max holding torque	Mh	[Nm]	59000
径向额定静载荷/Radial static load	Co rad	[kN]	1053
轴向额定静载荷/Axial static load	Co ax	[kN]	3700
径向额定动载荷/Radial dynamic load	C rad	[kN]	355
轴向额定动载荷/Axial dynamic load	C ax	[kN]	413
输出转速/Output speed	n	[min ⁻¹]	0.5~2
最大可达扭矩/Max achievable torque	Md	[Nm]	59000

回转驱动的润滑

Lubrication of slewing drive

内径上有4个M8X1的注油嘴

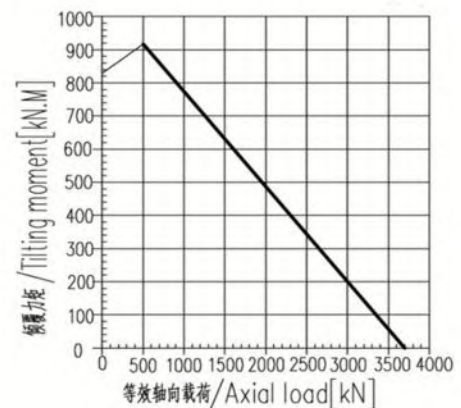
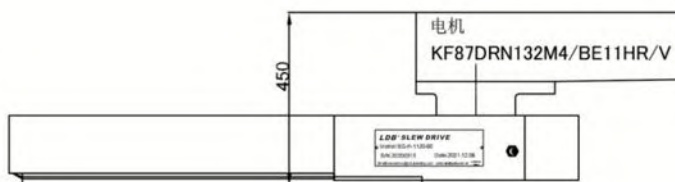
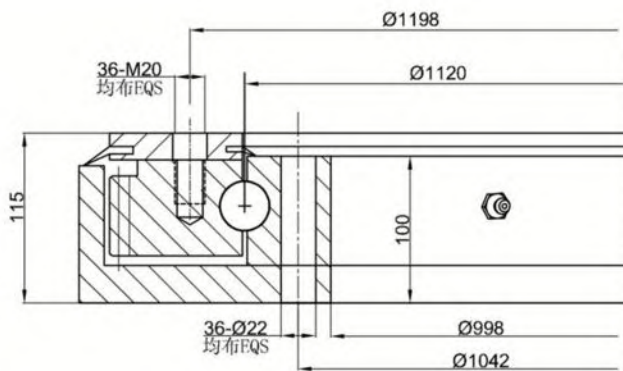
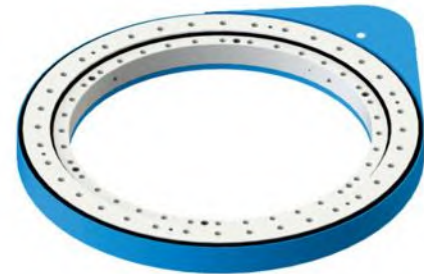
4 M8X1 grease nipples on the inner ring

壳体两侧边有2个M8X1的注油嘴

2 M8X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated



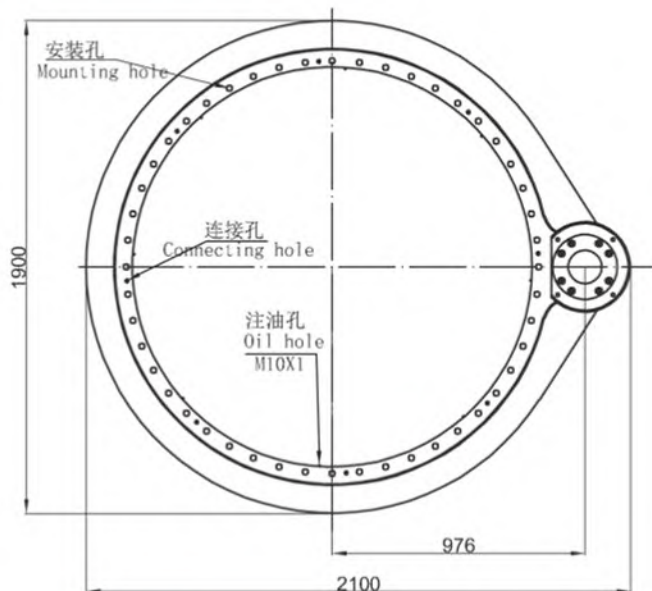
— 滚道曲线/Raceway curve
— 螺栓曲线/Bolt curve R p0.2
螺栓等级/Bolt class 10.9

【SG-M系列】

SG-M Series

LDB® SLEW DRIVE

【SG-M-1670】



回转驱动的润滑

Lubrication of slewing drive

内径上有8个M10X1的注油嘴

8 M10X1 grease nipples on the inner ring

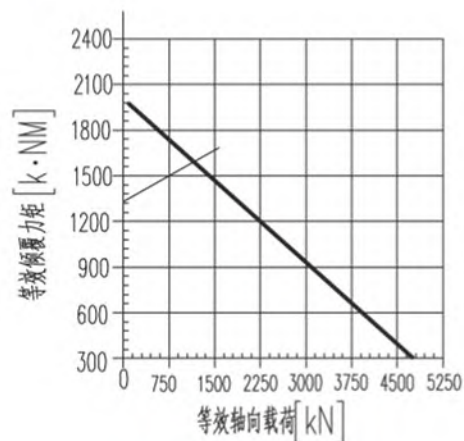
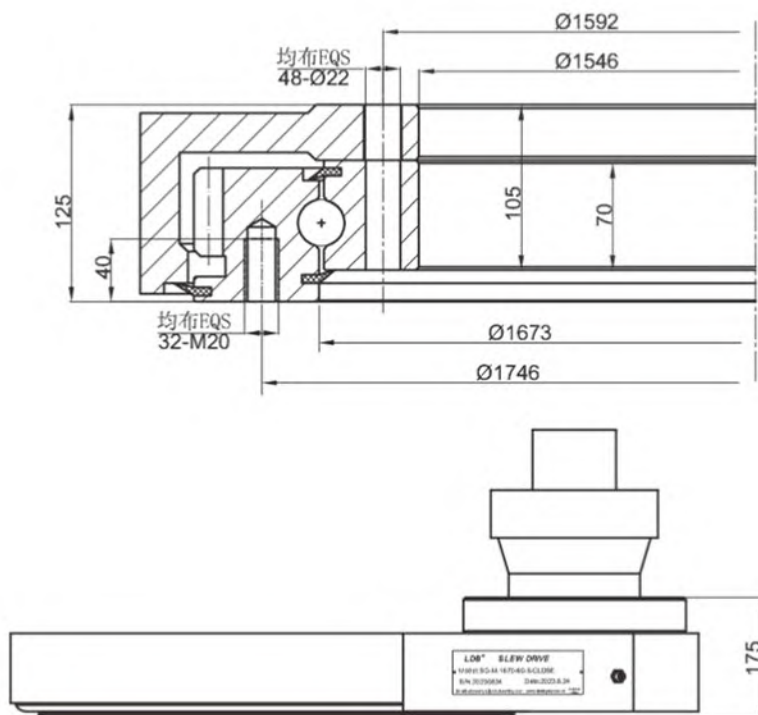
壳体两侧边有2个M10X1的注油嘴

2 M10X1 grease nipples on the housing

回转驱动应预先润滑

Slewing drive supplied pre-lubricated

模数/Module	m	mm	8
齿圈齿数/Teeth number of wheel	Z_2	-	227
小齿轮齿数/Teeth number of pinion	Z_1	-	17
总传动比/Overall gear ratio	i	-	13.35
最大扭矩/Max torque	$M_{d \max}$	Nm	33405
标准扭矩/Nom torque	$M_{d \text{ nom}}$	Nm	23383
最大保持扭矩/Max holding torque	M_h	Nm	33405
径向额定静载荷/Radial static load	$C_{0 \text{ rad}}$	kN	1687
轴向额定静载荷/Axial static load	$C_{0 \text{ ax}}$	kN	4728
径向额定动载荷/Radial dynamic load	C_{rad}	kN	253
轴向额定动载荷/Axial dynamic load	C_{ax}	kN	709
输出转速/Output speed	n	min ⁻¹	2.5~10
最大可达扭矩/Max achievable torque	M_d	Nm	33405



— 滚道曲线/Raceway curve
 - 螺栓曲线/Bolt curve R p0.2
 螺栓等级/Bolt class 10.9

【特殊定制】

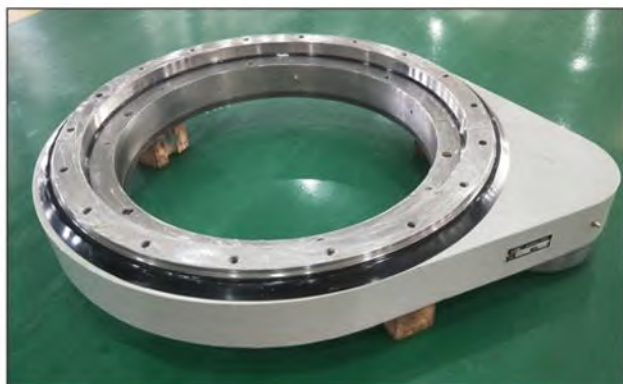
Special custom-made



双齿轮高精度
Double gear high precision



配套行星减速机及马达
Matched planetary reducer and motor



大承载，大输出扭矩
Large load, large output torque



内齿，全防护
Internal gear, full protection



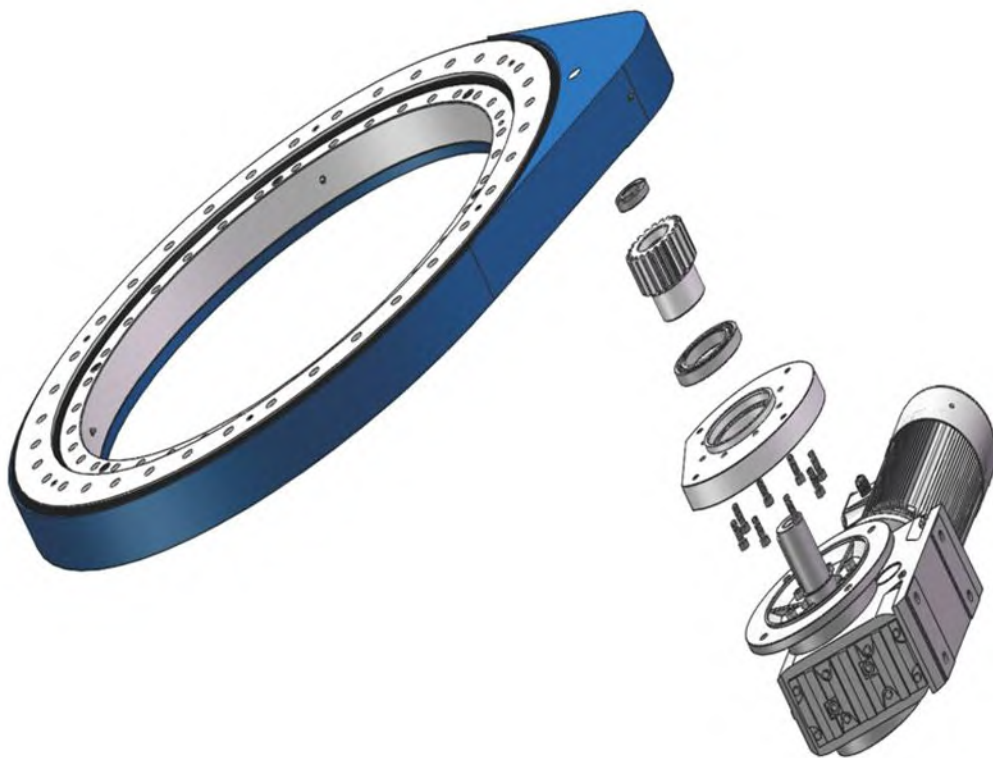
重载 大轴径
Heavy load large axle diameter



定制减速机接口
Customized reducer interface

- ◆定制双齿轮高精度，负游隙精密型斜齿（磨齿）回转驱动，为客户实现零回程间隙。
- ◆定制非标高精度直齿（磨齿）回转驱动，为客户配套行星减速机及马达。
- ◆定制大承载，大输出扭矩，精密型斜齿（磨齿）回转驱动，为客户解决了机床转台承载问题。
- ◆定制内齿，全防护，集成安装基板，为客户减小设备体积，节约成本，节省安装调试时间。
- ◆ Customized double-gear high precision, negative clearance precision helical gear(gear grinding) slewing drive to achieve zero return clearance for customers.
- ◆ Customized non-standard high precision spur gear (gear grinding) slewing drive, provide matching planetary reducer and motor for customers.
- ◆ Customized large load, large output torque, precision helical gear(gear grinding) slewing drive, help customers to solve the load problem of machine tool rotary table.
- ◆ Customized internal gear, full protection, integrated installation substrate, help customers to reduce the size of equipment, save costs, save the installation and debugging time.

直齿驱动结构简图



由右下角依次为：减速机-连接法兰-承载轴承-小齿轮-承载轴承-壳体-回转支承。

安全提示：

此文包含直齿驱动安装和维护时所需的信息，请由专业人员进行操作，避免安装出错或造成意外伤害，如安装过程出现技术问题，请根据封面各联系方式与本公司联系。

一. 运输、搬运、贮藏

1. 运输时请保持直齿驱动的包装箱按规定方向放置，避免碰撞；移动时请带上防护手套谨慎操作；直齿驱动一般外圈都有螺纹孔，可以保证能够利用吊装设备安全搬运。

2. 贮藏时请保持直齿驱动包装箱按规定方向放置，存放于密封房间，避免潮湿，在完整的封闭包装中，产品表面上的防腐蚀、防锈大约可保持 4-6 个月。

二. 安装前的准备

1. 安装前的准备：

- ①. 打开直齿驱动的包装，检查产品合格证和标牌确认产品型号。
- ②. 清理支承面上的杂质（如铁屑、毛刺、油漆、焊渣等）。

2. 清洗液的注意事项：

用清洗液（柴油、汽油等）清洗安装面或直齿驱动外部时，清洗液不能对橡胶密封件的性能产生影响；请根据清洗液的特性对工作人员做好防护。

三. 螺栓的选择:

直齿驱动包装发货时不包含装配螺栓，以下内容提供参考：

螺栓规格	拧紧力矩 (N.m)			螺栓规格	拧紧力矩 (N.m)		
	8.8 级	10.9 级	12.9 级		8.8 级	10.9 级	12.9 级
M4	2.25	3.31	3.87	M16	168	246	288
M5	4.16	6.77	7.92	M18	229	336	394
M6	7.8	11.5	13.4	M20	327	481	562
M8	19.1	28	32.8	M22	450	661	773
M10	38	55.8	65.3	M24	565	830	972
M12	66.5	97.7	114	M27	837	1230	1439
M14	107	156	183	M30	1131	1661	1944

注意事项:

1. 请正确选用螺栓的规格、型号及性能等级。
2. 螺栓级别不低于 8.8 级。
3. 螺栓旋入螺纹孔长度一般为 2 倍螺栓公称直径。
4. 不允许螺栓旋出螺纹孔之外，否则可能会引起干涉，损坏等
5. 若超出允许安装面的接触应力，请合理使用高强度的垫圈。

四. 直齿驱动的安装:

请遵循以下程序，以避免螺栓拧紧时产生的内应力及安装问题。1.

在螺纹处添加螺纹紧固胶水。

2. 预紧螺栓及垫圈，应交叉拧紧；从内圈或外圈开始，将所有螺栓按照对角顺序扭紧至 30%拧紧力矩，然后重复对角顺序扭紧至 50%拧紧力矩，最后重复对角顺序扭紧至 100%拧紧力矩。

3. 安装螺栓上紧上全，如遇到结构限制不能上全螺栓时，则空出的螺栓孔必须做密封处理，如填满硅胶等，否则会漏水和灰尘颗粒到直齿驱动内部。

4. 安装螺栓应考虑到螺纹啮合长度，不宜过长，否则将影响回转支承转动或引起干涉。

5. 螺栓拧紧后，请在螺栓头和其连接处划线做标记，便于以后检查螺栓是否松动。

五. 直齿驱动的润滑:

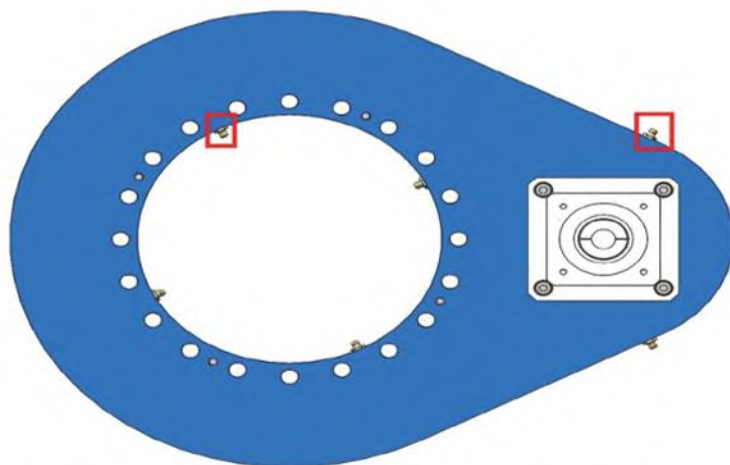
产品出厂前已对重要部位进行润滑，正常加注 EP2 润滑脂，请在安装和后期维护时根据实际情况决定是否再加入润滑脂。

1. 回转支承滚道，出厂前已加注润滑脂。

2. 齿轮与回转支承啮合处，出厂前已加注润滑脂。

3. 支撑齿轮和法兰的承载轴承，出厂前已加注润滑脂。

六. 直齿驱动润滑脂加注口位置、推荐加注间隔：红框标识内

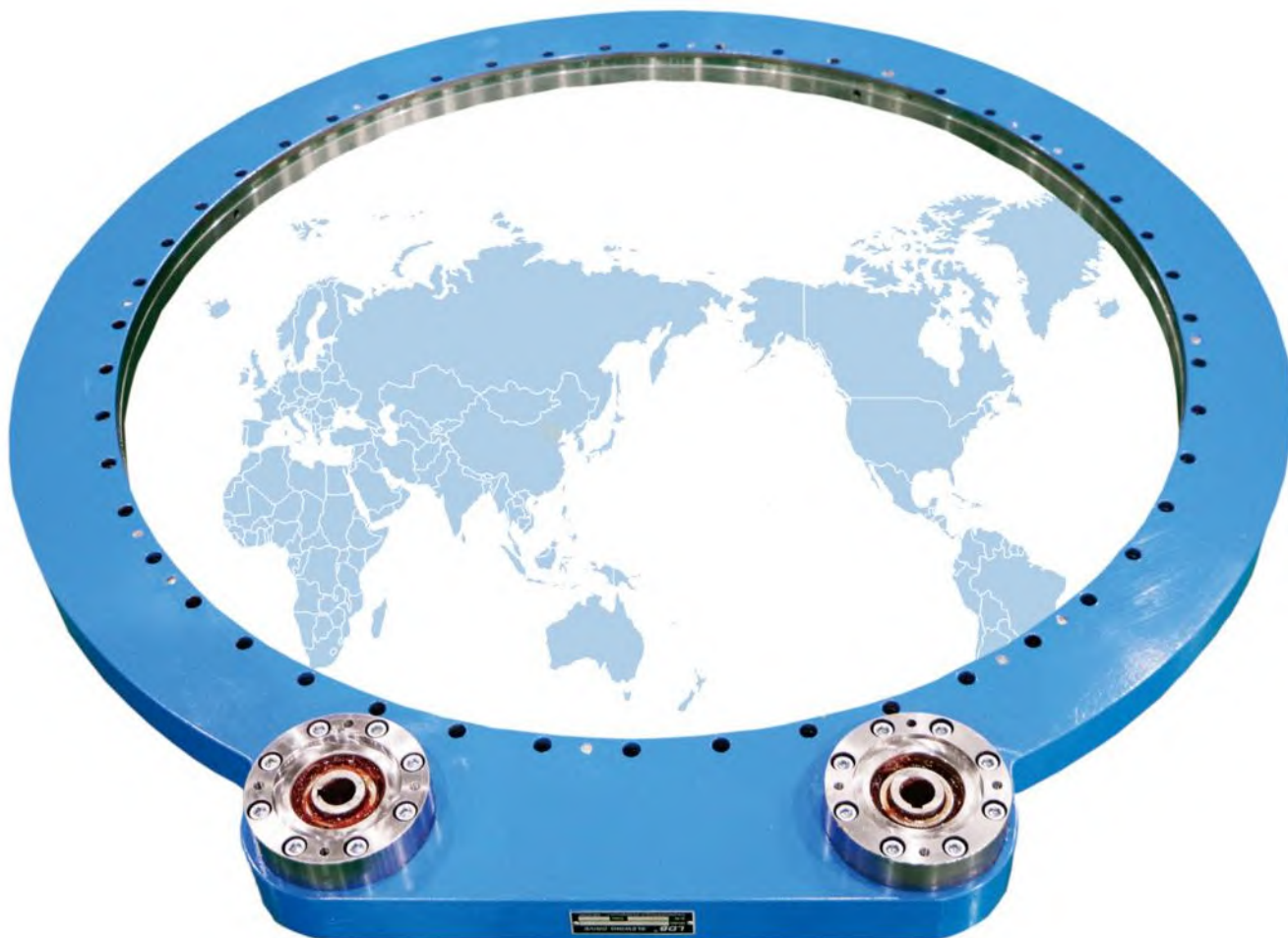


1. 回转支承的润滑脂加注口在内圈内径上，根据不同大小的规格，加注口的数量一般为 2-6 个。

2. 小齿轮啮合处的润滑脂加注口在壳体一端的两侧面上，加注口的数量一般为 2 个。

3. 再润滑间隔时间主要取决于当前的工作环境和条件，在没有可参照的情况下，以下内容提供参考：

工 作 条 件	再加注时间
车间、工业定位器（转台、机器人等）	每年一次
野外恶劣工况（起重机、风力装置、太阳能装置及高空作业平台等）	每年一次
恶劣气候条件，海上、沙漠、极地气候、脏乱环境或每周连续工作超过 70 小时	6 个月一次
极端条件下（掘进机、钢厂、油田）	2 个月一次



洛阳隆达轴承有限公司

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