

Slewing Bearings



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About MERYDOM

Who we are?

MERYDOM is a large high quality slewing bearings the comprehensive company with manufacture and trade, our trading office in ChangZhou city , our factory locats in XuZhou city that has been for the past 10 years.

We export, wholesale and distribute slewing bearings under our MERYDOM brand name. We are pleased to have our online site up and running 24/7. If you have any questions please send email to: Andi.cao@cnslewingring.com

Our goal is to provide professional solutions for users with high-quality and medium-volume slewing bearing needs, and become a trusted and indispensable manufacturing partner for users! There is no order too small and we strive to provide a great service to all.

Our product range is so vast we can supply virtually any item you require from slewing bearings to power transmission. Our aim is to please and satisfy your requirements and get your machines up and running.

Whoever you are, and wherever you are, MERYDOM offers the same price to all: the lowest possible. Whether you're a retailer who refuses to pay the high prices in your country, or a shopper looking to get hold of the latest products, MERYDOM provides light-speed service and fantastic prices. We manufacture these products ourselves and buy direct from an ever expanding network of Chinese manufacturers so we can keep costs low while maintaining the highest of standards.

We serve customers from virtually every country in the world , and our goal is to be able to serve everyone worldwide. But our vision won't change : make work easier.



Why Us?

Our Promises

1. Produce only the best products and ensure the highest possible quality.
2. Streamline the buying and payment process making it as easy as possible.
3. Deliver goods to our customers all over the world with speed and precision.
4. Provide 24 hour customer support on weekdays.

Our advantages:

1. Professional Supplier

We were established in 2011. We undertake the design, sales, manufacture, debugging and after-service for projects related with slewing bearings and industrial product.

2. High Service Quality

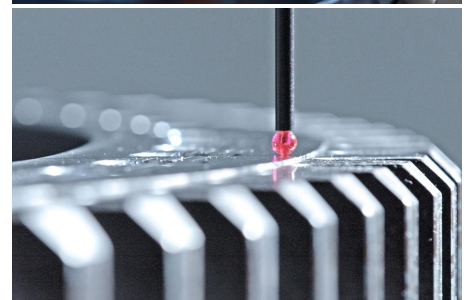
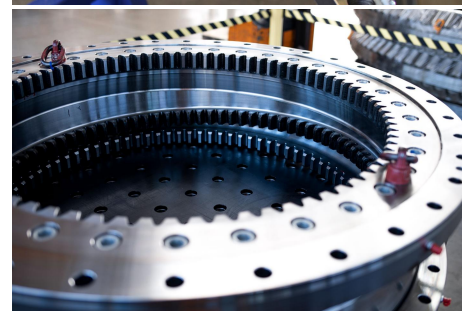
We are a highly qualified team: our employees have wide experience in this business and therefore understand our clients' real needs, being able to generate solutions to fully satisfy them. We believe that customer service is our key work, and consistently try to exceed clients' expectations. And we have more than 10 years of precious experience in overseas export. We understand the needs of the whole market and are always in a position to provide buyers with the latest products for their different regions. Moreover, our design team is consistently developing and improving every day, and is always on the outlook for desirable new items.

3. High Product Quality

We have professional technical sales staff quickly responding to customer's inquiry, and be ready to provide customers with high-quality service. At present, with the international well-known manufacturers have we established cooperative relations between the depth of its users to create the highest quality slewing bearing products. We have obtained ISO9001:2015 Quality Management System certificate. ISO Quality Management System certification is the widely respected gold standard of quality accreditations. We will continuously review and improve the quality management systems to better serve our customers.

4. Competitive price

We have very attractive prices. Contact us for further information and you will be surprised of the significant savings that your company can achieve by working with us.



A Direct Export Platform

We seek to provide global buyers with a one-stop service. By leveraging the latest eCommerce technologies and integrated supply chain solutions, we ensure we maintain a transparent, efficient and cost-effective operation to ensure clients gain the maximum competitive advantage.

Our Mission

Working for a sustainable future.

Since 2005, we have worked to reduce the negative environmental impact from our operations and those of our suppliers. Our continuing technology development resulted in the products and services which improve efficiency and reduce energy losses, as well as enable new technologies harnessing wind, solar and ocean power. This combined approach helps reduce the environmental impact both in our operations and our customers' operations.



Working for a
sustainable
future.



Slewing bearings

Generally, slewing bearings are large-size rolling bearings that can accommodate axial, radial and moment loads acting either singly or in combination and in any direction. They can perform both slewing (oscillating) movements as well as rotational movements.

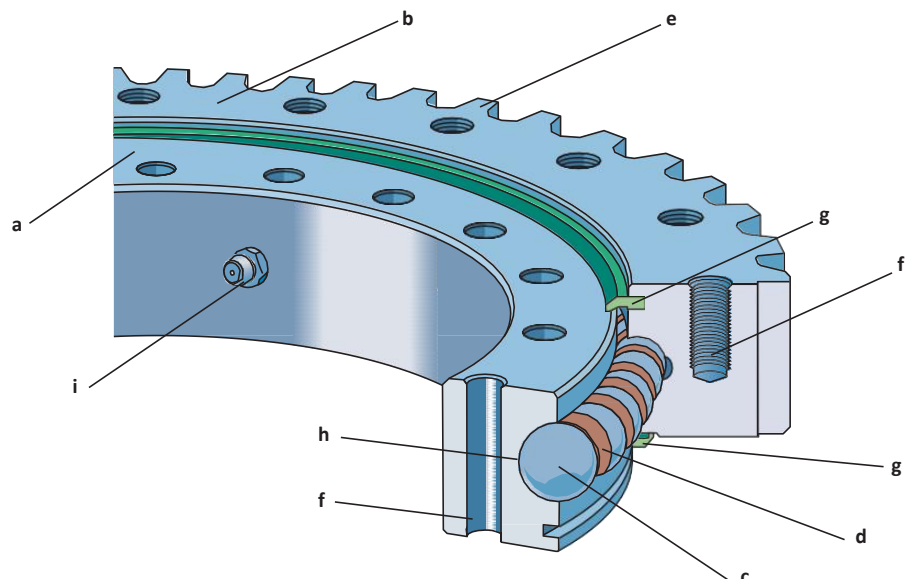
Basically, a slewing bearing consists of an inner ring (a), an outer ring (b) and rolling elements – balls (c) or cylindrical rollers – that are separated by polyamide spacers (d). The rings, one of which usually incorporates a gear (e), are provided with holes (f) to accommodate attachment bolts. The holes may be threaded. Generally, only the raceways in the rings (h) are hardened and precision-ground. Integral seals (g) made of acrylonitrile-butadiene rubber (NBR) keep the lubricant in, and contaminants out of the bearing. Slewing bearings are relubricated through grease fittings (i) to reduce maintenance and operating costs.

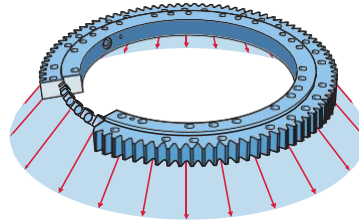
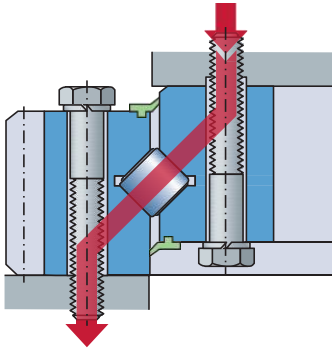
Compared to traditional pivot arrangements, slewing bearing arrangements provide many design and performance advantages. The compactness and large inner diameter simplify the design of the bearing arrangement and its associated components. The low sectional height of these bearings means that the pinion lever can be kept short. In most cases only flat surfaces on the associated components are needed.

Slewing bearings were originally designed to be mounted only on horizontal support structures, but can now be used successfully in vertical bearing arrangements.

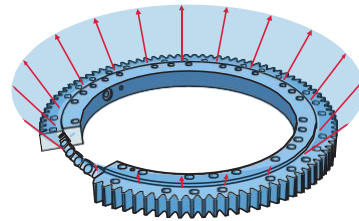
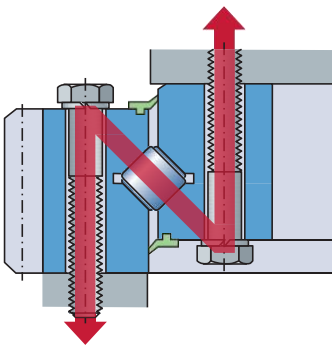
Slewing bearings perform extremely well in a variety of applications such as:

- access platforms
- bucket wheel excavators
- conveyor booms
- cranes of all types
- small, medium and large excavators
- indexing tables
- ladle turrets
- offshore applications
- robots
- railway bogies
- rotary platforms
- stackers
- solar mirrors
- tunnel boring machines
- wind turbines

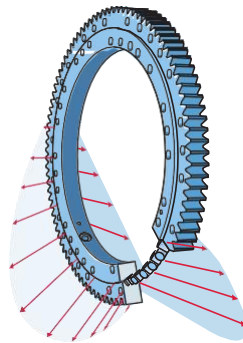
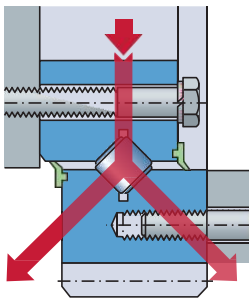




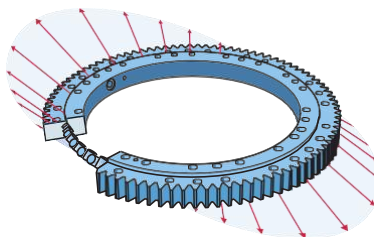
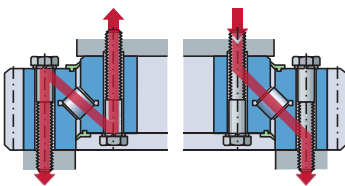
Transmission of axial loads in a supported slewing bearing



Transmission of axial loads in a suspended slewing bearing



Transmission of radial loads in a vertical arranged slewing bearing



Transmission of moments in a supported slewing bearing

Slewing bearing selection



Selection of slewing bearing type

Each slewing bearing type has different characteristics based on its design, which make it more, or less, appropriate for a given application. For example, single row four-point contact slewing bearings have a simple and sturdy design that makes them cost-effective, while crossed cylindrical roller slewing bearings are used when accuracy and rigidity are key operational parameters or when zero operational clearance or preload is required. Because several factors have to be considered when selecting a slewing bearing type, no general rules can be provided. The information provided here are the most important factors to be considered when selecting a standard bearing type. Factors include:

- accuracy
- magnitude and direction of loads
- permissible operating temperature
- vibration
- operating speed
- sealing

A brief overview of the standard slewing bearing types and their suitability for a particular application can be found in table 1.

Selecting the appropriate slewing bearing can be a challenge, particularly if there are stringent technical, reliability or economic demands. In these cases, for example, it is advisable to consult the MERYDOM application engineering service during the initial design phase. This service can do much more than help select a bearing. They can also provide expert advice in any of the following areas:

- design optimization
- lubrication systems
- sealing arrangements

Table 1

Slewing bearing selection guide

Slewing bearing type

Suitability of bearings for

high
running
accuracy

high
speeds

heavy
static
loads

vibration

long
service
life

Single row four-point contact ball slewing bearings

Light series bearings
Medium size bearings
Customized bearings

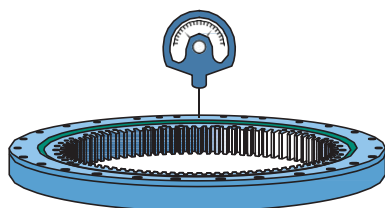
—	o	o	—	o
—	+	+	o	o
—	+	+	o	o

Single row crossed cylindrical roller slewing bearings

Medium size bearings
Customized bearings

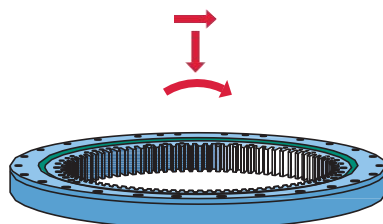
+	—	o	+	+
+	—	o	+	+

+ Recommended o Suitable – Not recommended



Accuracy

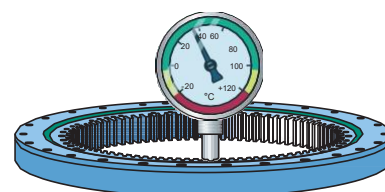
When preloaded, MERYDOM crossed cylindrical roller slewing bearings provide a high degree of stiffness, due to the large roller/raceway contact area. These bearings, which have a high degree of running accuracy, are typically used when accurate positioning is a key operational parameter. Four-point contact ball slewing bearings have a lower degree of stiffness.



Magnitude and direction of loads

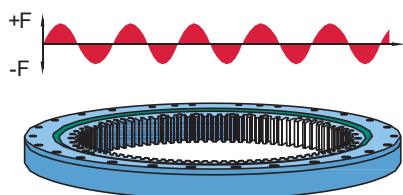
The magnitude of the load is one of the factors that usually determine the size of the bearing to be used. Generally, four-point contact ball slewing bearings are able to withstand heavy loads and shock loads. They can be adapted for slewing applications where heavy loads vary in magnitude and direction.

Using the static limiting load diagram, together with the bearings listed in the product tables, the required bearing size can be estimated using the resulting axial bearing load and the magnitude of the tilting moment.



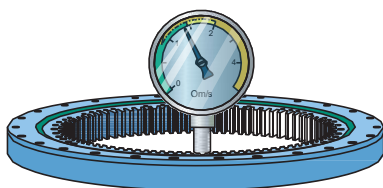
Permissible operating temperature

The permissible operating temperatures for slewing bearings listed in this catalogue are determined primarily by the spacer and seal material and the grease used for lubrication. The permissible operating temperature typically ranges from -25 to $+70$ °C. If slewing bearings are required to operate outside the reference temperatures, contact the MERYDOM application engineering service. Also contact the MERYDOM application engineering service if the outer ring has a lower temperature in operation than the inner ring, which might lead to reduced internal clearance or increase the preload in the bearing.



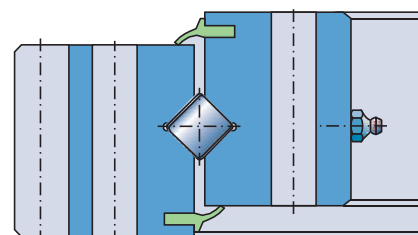
Vibration

For applications subjected to vibrations, preloaded four-point contact ball slewing bearings are typically used. However, crossed cylindrical roller slewing bearings are also suitable. In cases where sufficient experience with a similar bearing arrangement is not available, it is strongly advised to consult the MERYDOM application engineering service.



Operating speed

MERYDOM four-point contact ball slewing bearings generate less friction than crossed cylindrical roller slewing bearings. Consequently, four-point contact ball slewing bearings also have a higher speed capability. These bearings can accommodate tangential operating speeds up to 4 m/s. Crossed cylindrical roller bearings are limited to approximately 1,5 m/s for continuous slewing motion and up to 2 m/s for brief periods.



Sealing

The selection of a seal is vital to the performance of a slewing bearing. The standard seals used in MERYDOM slewing bearings provide good protection against moisture and contaminants and also provide reliable retention of the lubricant.

These integral seals are not intended to protect bearings that operate under extreme conditions where, for example, they are exposed to water, vacuum, high levels of abrasive contaminants, or radiation. For these types of applications, additional external seals must be used to prevent media from entering the bearing cavity.

Selection of slewing bearing type

The size of a slewing bearing can be based initially on the dynamic and static load ratings of the bearing, in relation to the applied loads and the requirements regarding reliability and service life. Values for the axial dynamic load rating C and axial static load rating C0 are quoted in the product tables.

When determining the most efficient and economical slewing bearing for a specific application, We recommends taking the following into consideration:

- loads acting on the bearing
- frequency of oscillating movements
- type of application
- bearing size most suitable for the application
- torque applied to the gear

If it is necessary to calculate the basic rating life*, contact the MERYDOM application engineering service. We also recommends confirming the results by contacting the application engineering service once calculations and the selection process are complete.

Determining bearing loads

The loads and moments acting on a slewing bearing from the inherent weight of the components that it carries, and the other inertia forces, are either known or can be calculated. Assuming the conditions cited in fig. 1, the resulting loads and moments applied to the bearing can be estimated, using the following equations:

$$F_a = Q_a + G_1 + G_2 + G_3$$

$$M_t = Q_a \times L + F_r \times H_r + G_3 \times L_3 - G_1 \times L_1 - G_2 \times L_2$$

where

F_a = resulting axial load applied to the bearing, kN

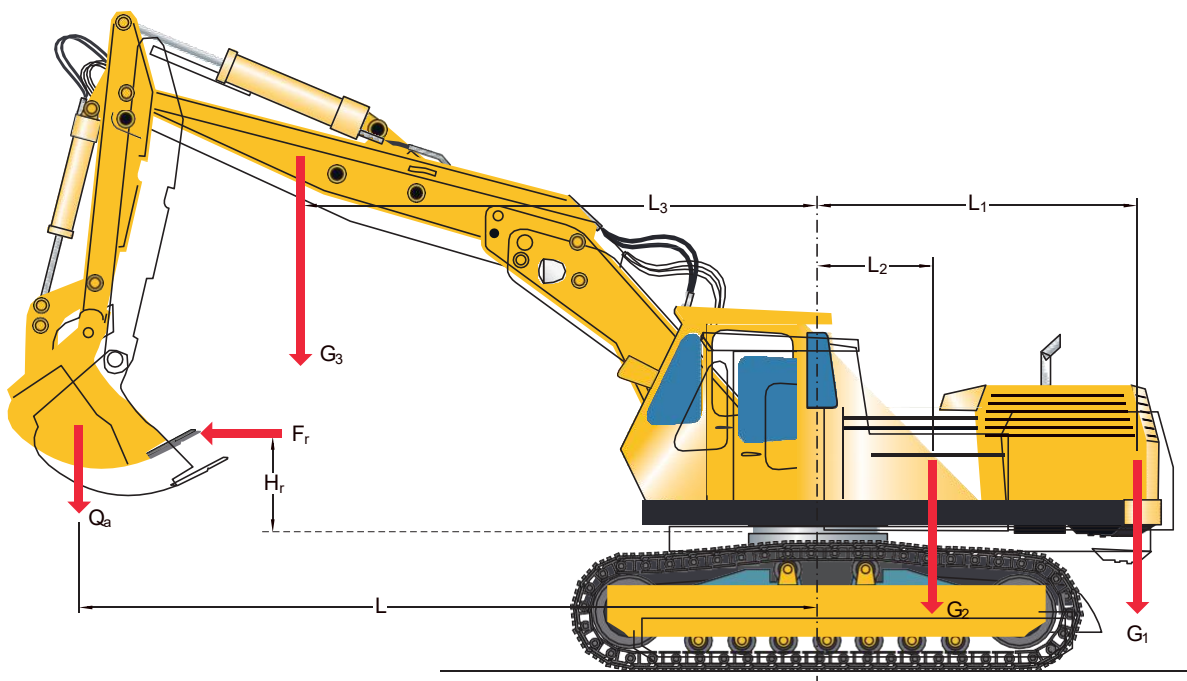
F_r = external radial load applied to the bearing, e.g. work/wind force, kN

G_1 = weight fraction 1, e.g the counterweight, kN

G_2 = weight fraction 2, e.g. the weight of the cabin, kN

Load distribution scheme

Fig. 1



G_3 = weight fraction 3, e.g. the weight of the boom, kN
 H_r = distance from the bearing centre point to the line of action of the radial force F_r , m
 L = distance from the centre of rotation to the centre of the lifting load, m
 L_1 = distance from the centre of rotation to the centre of gravity of the weight fraction 1, m
 L_2 = distance from the centre of rotation to the centre of gravity of the weight fraction 2, m
 L_3 = distance from the centre of rotation to the centre of gravity of the weight fraction 3, m
 M_t = resulting tilting moment acting on the bearing, kNm
 Q_a = lifting load, kN

In applications where the working radii L and L_3 for the lifting load and the adjustable boom vary, the maximum working radii have to be used to calculate the maximum tilting moment M_t acting on the bearing. External radial loads F_r may be neglected as long as they are $\leq 5\%$ of the axial load. If these radial loads are acting at any point other than the plane of the bearing, the resulting tilting moment should be calculated and taken into consideration. If the radial loads exceed the ratio $F_r/F_a = 0,6$, it is advisable to contact the Our application engineering service.

Determining bearing size

When determining bearing size using the static limiting load diagrams, additional forces should be taken into account. Which forces to consider depend on the type and mode of operation of the machine and operational requirements regarding service life and reliability. This is done by multiplying the resulting axial load and tilting moment by a load factor f_L as listed in **table 1**:

$$F_{ar} = f_L \cdot F_a$$

$$M_{tr} = f_L \cdot M_t$$

where

F_{ar} = maximum rated axial load, kN

F_a = resulting axial load applied to the bearing, kN

M_{tr} = maximum rated tilting moment, kNm
 M_t = resulting tilting moment acting on the bearing, kNm

f_L = load factor († **table 1**)

Using the calculated values for the maximum rated axial load F_{ar} and the maximum rated tilting moment M_{tr} , the requisite slewing bearing size can be obtained from the appropriate static limiting load diagram, shown together with the slewing bearings in the product tables. Each diagram contains two curves per bearing; the solid line shows the raceway capacity and the dotted line shows the bolting capacity († **fig. 2**).

The points, where the plotlines of rated axial load F_{ar} and the rated tilting moment M_{tr} intersect, must always be below the capacity curves, i.e. inside the green zone. If the points of intersection (red) are above the capacity curves, the bearing is not suitable for the application.

Raceway capacity

The raceway capacity is defined as the maximum static load that can be accommodated by the slewing bearing without detrimental effects on its running behaviour.

Bolting capacity

Bolting capacity applies to the supported bearing and the number of 10.9 strength grade (EN ISO 898) nuts and bolts used to anchor the bearing to its support surface. For these capacities to be valid, the threads of all bolts and nuts must be coated with a thin layer of light oil and tightened according to the recommended values in **table 1** "Tightening torque and preload of attachment bolts".

Note: All basic load ratings and capacity data specified in this catalogue are valid for supported slewing bearings. In the case of suspended bearing arrangements, contact the our application engineering service.

Table 1

Load factor f_L

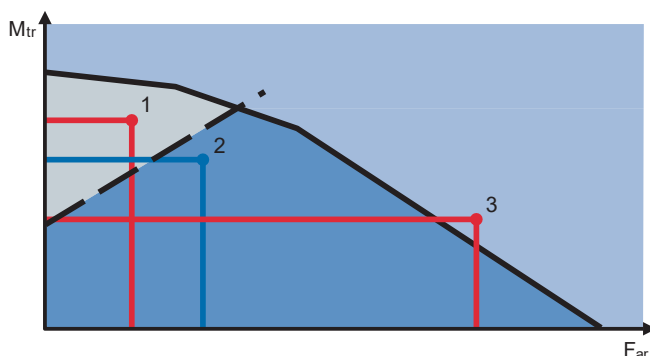
Application

Load factor f_L

Aerial platforms	1,33
Carrouseles	2
Cement mixers	1,33
Compactors	2
Concrete pumps	1,5
Handling workshops	1,15
Mobile cranes	1,5
Mini excavators	1,33
Sedimentation tanks	1,25
Service cranes	1,33
Turntables	1,15
Welding positioners	1,15

Raceway and bolting capacity

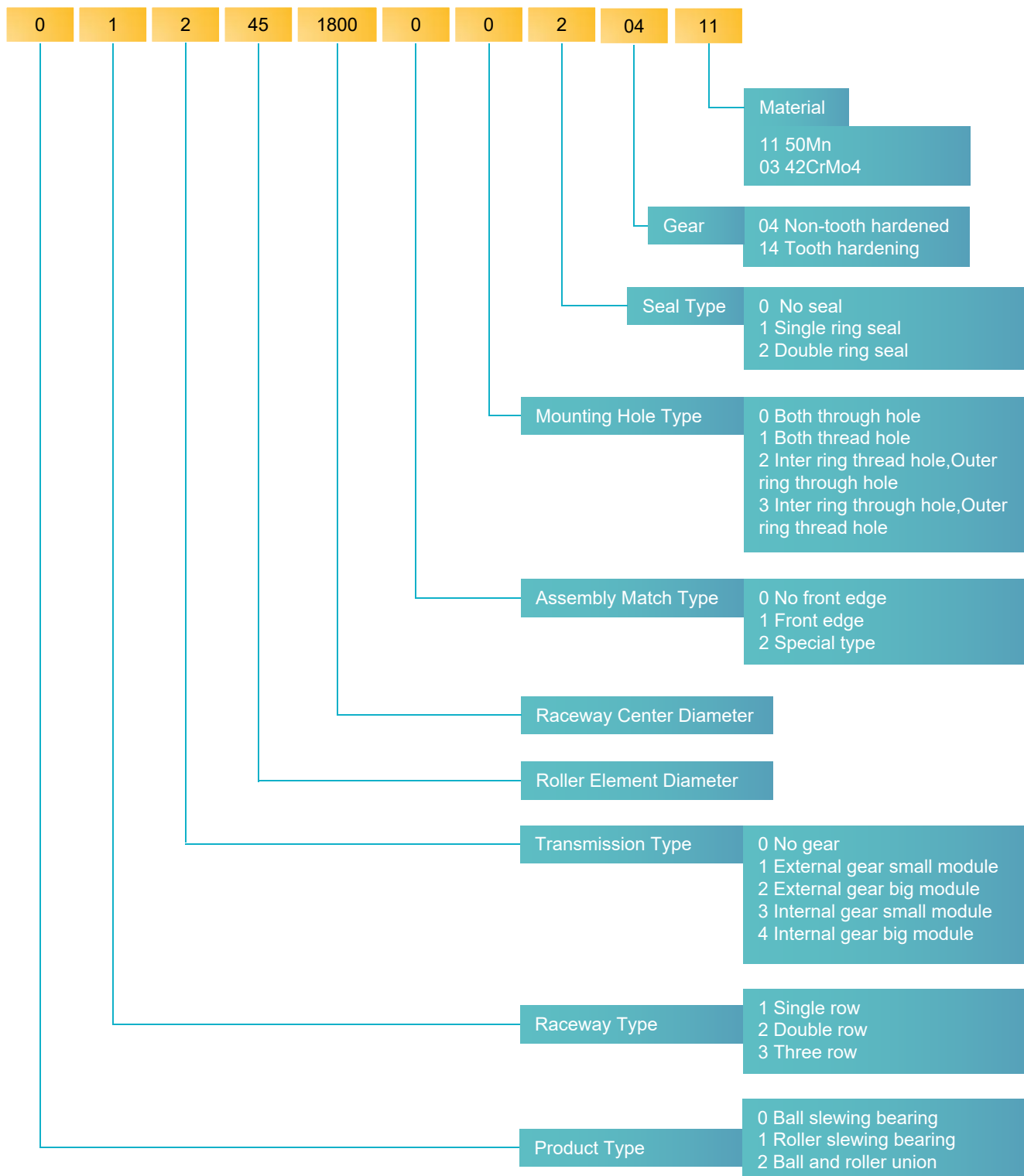
Fig. 2



- 1) Not suitable, insufficient bolting capacity
- 2) Meets the requirements
- 3) Not suitable, insufficient raceway capacity

Designation systems

The designation system for MERYDOM slewing bearings.



Single row four-point contact ball slewing bearings

Material

The single row four-point contact ball slewing bearings are made of 50Mn or 42CrMo tempered steel, in accordance with EN 10083-2:2006.

The inner and outer ring raceways are induction hardened, leaving the remainder of the rings, including the gears, unaffected by the hardening process.

The balls are made of bearing steel for through-hardening, in accordance with EN ISO 683-17:2000.

Gears

Gear teeth are manufactured to MERYDOM specifications strictly following ISO 1328-2:1997, accuracy class 12, and can be hardened upon request.

The gear of a new bearing is coated with a preservative. After mounting has been completed, lubricant needs to be applied to the gear. This lubricant should have good adhesive properties and a high resistance to water washout. Additionally, the lubricant must be able to withstand temperatures of +100 °C and has to have a base oil viscosity of at least 500 mm²/s at +40 °C.

Seals

The integral seals are made of profiled strips of non-reinforced acrylonitrile-butadiene rubber (NBR). They seal axially against the side face of the inner or outer ring.

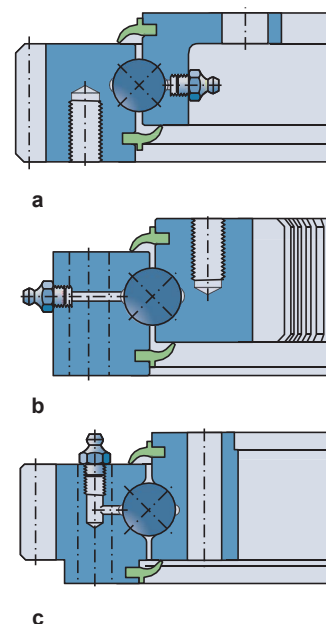
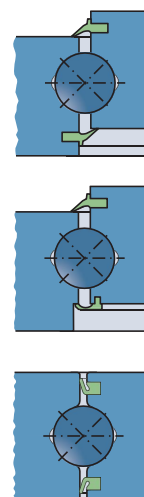
This material has very good engineering properties and shows good resistance to most mineral oils and greases. The permissible operating temperatures of the seal material range from -40 to +110 °C.

Lubrication

Standard single row four-point contact ball slewing bearings are filled with a mineral oil based grease with a consistency of 2 on the NLGI scale using a lithium soap thickener and containing extreme pressure additives. The base oil viscosity is 200 mm²/s at 40 °C and 16 mm²/s at 100 °C. This grease has good rust inhibiting properties and a temperature range of -20 up to +110 °C. Reliable lubrication according when operating temperatures range from +30 to +110°C.

- in the inner ring of bearings with an external gear
- in the outer ring of bearings with an internal gear
- in the outer ring of bearings without a gear

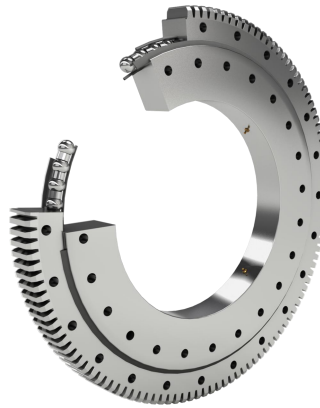
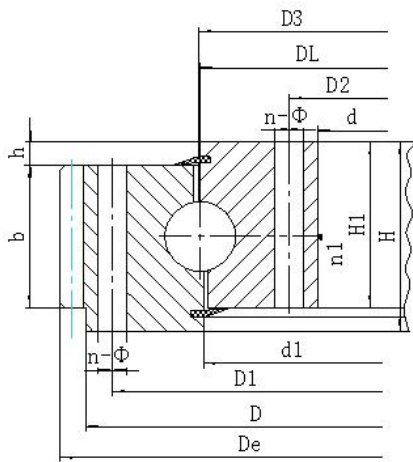
Relubrication features of customized slewing bearings depend on the needs of the application. For additional information, contact the our application engineering service.



011/012 series, with an external gear

NOTE:

1. n1 is the nos of lubricating holes. Oil cup M10×1JB/T7940.1~JB/T7940.2.
2. Mounting hole n-dn1、n-dn2 can change to tapped hole; tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force, the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.1.



NO.	External Gear	Dimensions			Mounting dimensions						Structural dimensions						Gear data					Gear circumferential force		weight kg
	DL mm	D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normalizing Z 10°N	Quenching T 10°N		
1	011.20.200	280	120	60	248	152	12	16	M14	28	2	201	199	50	10	40	0	3	300	98	1.5	2.1	24	
2	011.20.224	304	144	60	272	176	12	16	M14	28	2	225	223	50	10	40	0	3	321	105	1.5	2.1	25	
3	011.20.250	330	170	60	298	202	18	16	M14	28	2	251	249	50	10	40	0	4	352	86	2.1	2.8	30	
4	011.20.280	360	200	60	328	232	18	16	M14	28	2	281	279	50	10	40	0	4	384	94	1.5	2.8	34	
5	011.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10	50	0	5	435	85	2.9	4.4	52	
6	011.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10	50	0	5	475	93	2.9	4.4	59	
7	011.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10	50	0	6	528	86	3.5	5.3	69	
8	011.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10	50	0	6	576	94	3.5	5.3	76	
9	011.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10	60	0.5	5	629	123	3.7	5.2	85	
	012.30.500																	6	628.8	102	4.5	6.2		
9'	011.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10	60	0.5	5	629	123	3.7	5.2	85	
	012.25.500																	6	628.8	102	4.5	6.2		
10	011.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10	60	0.5	5	689	135	3.7	5.2	95	
	012.30.560																	6	688.8	112	4.5	6.2		
10'	011.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10	60	0.5	5	689	135	3.7	5.2	95	
	012.25.560																	6	688.8	112	4.5	6.2		
11	011.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10	60	0.5	6	772.8	126	4.5	6.2	110	
	012.30.630																	8	774.4	94	6	8.3		
11'	011.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10	60	0.5	6	772.8	126	4.5	6.2	110	
	012.25.630																	8	774.4	94	6	8.2		
12	011.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10	60	0.5	6	850.8	139	4.5	6.2	120	
	012.30.710																	8	854.4	104	6	8.3		
12'	011.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10	60	0.5	6	850.8	139	4.5	6.2	120	
	012.25.710																	8	854.4	104	6	8.9		

011/012 series, with an external gear

NO.	External Gear			Dimensions			Mounting dimensions					Structural dimensions					Gear data					Gear circumferential force			weight kg
	DL mm	D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normalizing Z 10°N	Quenching T 10°N			
13	011.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	966.4	118	8	11.1	220		
	012.40.800																	10	968	94	10	14			
13'	011.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	966.4	118	8	11.1	220		
	012.30.800																	10	968	94	10	14.1			
14	011.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	1062.4	130	8	11.1	240		
	012.40.900																	10	1068	104	10	14			
14'	011.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	1062.4	130	8	11.1	240		
	012.30.900																	10	1068	104	10	14			
15	011.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	1188		10	14	270		
	012.40.1000																	12	1185.6	96	12	16.7			
15'	011.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	1188	116	10	14	270		
	012.30.1000																	12	1185.6	96	12	16.7			
16	011.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	1298	127	10	14	300		
	012.40.1120																	12	1305.6	106	12	16.7			
16'	011.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	1298	127	10	14	300		
	012.30.1120																	12	1305.6	106	12	16.7			
17	011.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	90	0.5	12	1449.6	118	13.5	18.8	420		
	012.45.1250																	14	1453.2	101	15.8	21.9			
17'	011.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	12	1449.6	118	13.5	18.8	420		
	012.35.1250																	14	101	15.8	21.9	18.8			
18	011.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	90	0.5	12	1605.6	131	13.5	18.8	480		
	012.45.1400																	14	1607.2	112	15.5	21.9			
18'	011.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10	90	0.5	12	1605.6	131	13.5	18.8	480		
	012.35.1400																	14	1607.2	112	15.8	21.9			
19	011.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	90	0.5	14	1817.2	127	15.8	21.9	550		
	012.45.1600																	16	1820.8	111	18.1	25			
19'	011.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	90	0.5	14	1817.2	127	15.8	21.9	550		
	012.35.1600																	16	1820.8	111	18.1	25			
20	011.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	90	0.5	14	2013.2	141	15.8	21.9	610		
	012.45.1800																	16	2012.8	123	18.1	25			
20'	011.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	14	2013.2	141	15.8	21.9	610		
	012.35.1800																	16	2012.8	123	18.1	25			
21	011.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	120	0.5	16	2268.8	139	24.1	33.3	1100		
	012.60.2000																	18	2264.4	123	27.1	37.5			
21'	011.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	16	2268.8	139	24.1	33.3	1100		
	012.40.2000																	18	2264.4	123	27.1	37.5			
22	011.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	2492.8	153	24.1	33.3	1250		
	012.60.2240																	18	2498.4	136	27.1	37.5			
22'	011.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	16	2492.8	153	24.1	33.3	1250		
	012.40.2240																	18	2498.4	136	27.1	37.5			
23	011.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	120	0.5	18	2768.4	151	27.1	37.5	1400		
	012.60.2500																	20	2776	136	30.1	41.8			
23'	011.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	120	0.5	18	2768.4	151	27.1	37.5	1400		
	012.40.2500																	20	2776	136	30.1	41.8			

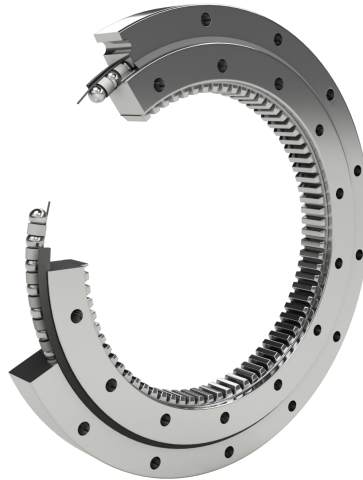
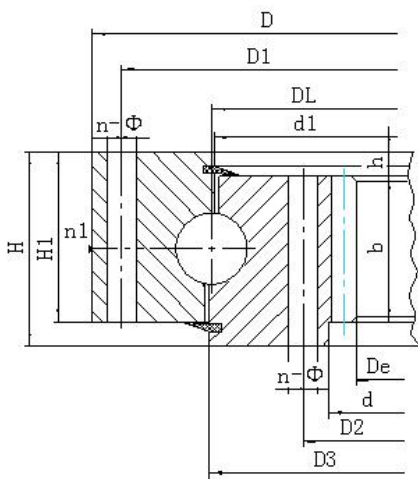
011/012 series, with an external gear

NO.	External Gear	Dimensions			Mounting dimensions						Structural dimensions						Gear data					Gear circumferential force		weight kg
	DL mm	D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normalizing Z 10°N	Quenching T 10°N		
24	011.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	3074.4	168	27.1	37.5	1600	
	012.60.2800																	20	3076	151	30.1	41.8		
24	011.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	3074.4	168	27.1	37.5	1600	
	012.40.2800																	20	3076	151	30.1	41.8		
25	011.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	3476	171	37.7	52.2	2800	
	012.75.3150																	22	3471.6	155	41.5	57.4		
25	011.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	3476	171	37.7	52.2	2800	
	012.50.3150																	22	3471.6	155	41.5	57.4		
26	011.75.3550	3776	3322	174	3686	3414	56	45	M42	84	8	3552	3547	162	12	150	0.5	20	3876	191	37.7	51.7	3500	
	012.75.3550																	22	3889.6	174	41.5	57		
26	011.50.3550	3776	3322	174	3686	3414	56	45	M42	84	10	3552	3548	162	12	150	0.5	20	3876	191	37.7	51.7	3500	
	012.50.3550																	22	3889.6	174	41.5	57		
27	011.75.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3997	162	12	150	0.5	20	4329.6	194	41.5	57	4200	
	012.75.4000																	22	4345	171	47.1	64.6		
27	011.50.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3998	162	12	150	0.5	20	4329.6	194	41.5	57	4200	
	012.50.4000																	22	4345	171	47.1	64.6		
28	011.75.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4497	162	12	150	0.5	20	4835.6	217	41.5	57	5100	
	012.75.4500																	22	4845	191	47.1	64.6		
28	011.50.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4498	162	12	150	0.5	20	4835.6	217	41.5	57	5100	
	012.50.4500																	22	4845	191	47.1	64.6		

013/014 series, with an internal gear

NOTE:

1. n1 is the nos of lubricating holes. Oil cup M10×1JB/T7940.1~JB/T7940.2.
2. Mounting hole n-dn1、n-dn2 can change to tapped hole; tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.2



NO.	External GearDLmm	Dimensions				Mounting dimensions					Structural dimensions						Gear data				Gear circumferential force		weight kg
		Dmm	dmm	Hmm	D1mm	D2 mm	n	Φmm	dmm	Lmm	n1mm	D3mm	d1mm	H1mm	hmm	bmm	x	Mmm	Demmm	z	Normaliz ngZ 104N	Quenchin gT 104N	
1	013.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10	50	0	5	190	40	2.9	4.4	49
2	013.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10	50	0	5	235	49	2.9	4.4	54
3	013.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10	50	0	6	276	48	3.5	5.3	62
4	013.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10	50	0	6	324	56	3.5	5.3	71
5	013.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10	60	0.5	5	367	74	3.7	5.2	85
	014.30.500																	6	368.4	62	4.5	6.2	
5'	013.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10	60	0.5	5	367	74	3.7	5.2	85
	014.25.500																	6	368.4	72	4.5	6.2	
6	013.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10	60	0.5	5	427	86	3.7	5.2	95
	014.30.560																	6	428.4	72	4.5	6.2	
6'	013.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10	60	0.5	5	427	86	3.7	5.2	95
	014.25.560																	6	428.4	72	4.5	6.2	
7	013.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10	60	0.5	6	494.4	83	4.5	6.2	110
	014.30.630																	8	491.2	62	6	8.3	
7'	013.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10	60	0.5	6	494.4	83	4.5	6.2	110
	014.25.630																	8	491.2	62	6	8.2	
8	013.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10	60	0.5	6	572.4	96	4.5	6.2	120
	014.30.710																	8	571.2	72	6	8.3	
8'	013.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10	60	0.5	6	572.4	96	4.5	6.2	120
	014.25.710																	8	571.2	72	6	8.9	
9	013.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	635.2	80	8	11.1	220
	014.40.800																	10	634	64	10	14	
9'	013.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10	80	0.5	8	635.2	80	8	11.1	220
	014.30.800																	10	634	64	10	14.1	
10	013.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	739.2	93	8	11.1	240
	014.40.900																	10	734	74	10	14	
10'	013.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10	80	0.5	8	739.2	93	8	11.1	240
	014.30.900																	10	734	74	10	14	

013/014 series, with an internal gear

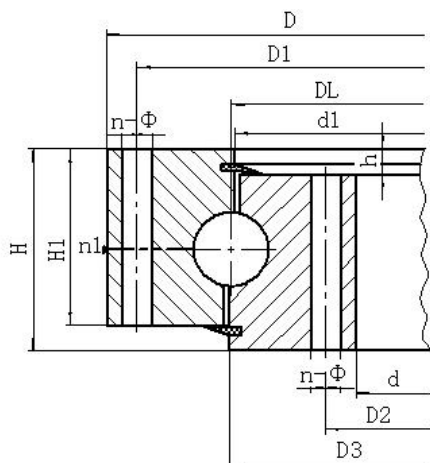
NO.	External Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normali zing Z 10°N	Quench ing T 10°N			
11	013.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	824	83	10	14	270		
	014.40.1000																	12	820.8	69	12	16.7			
11	013.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10	80	0.5	10	824	83	10	14	270		
	014.30.1000																	12	820.8	69	12	16.7			
12	013.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	944	95	10	14	300		
	014.40.1120																	12	940.8	79	12	16.7			
12	013.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10	80	0.5	10	944	95	10	14	300		
	014.30.1120																	12	940.8	79	12	16.7			
13	013.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10	90	0.5	12	1048.8	88	13.5	18.8	420		
	014.45.1250																	14	1041.6	75	15.8	21.9			
13	013.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10	90	0.5	12	1048.8	88	13.5	18.8	420		
	014.35.1250																	14	1041.6	75	15.8	21.9			
14	013.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	90	0.5	12	1192.8	100	13.5	18.8	480		
	014.45.1400																	14	1195.6	86	15.5	21.9			
14	013.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10	90	0.5	12	1192.8	100	13.5	18.8	480		
	014.35.1400																	14	1195.6	86	15.8	21.9			
15	013.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10	90	0.5	14	1391.6	100	15.8	21.9	550		
	014.45.1600																	16	1382.4	87	18.1	25			
15	013.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10	90	0.5	14	1391.6	100	15.8	21.9	550		
	014.35.1600																	16	1382.4	87	18.1	25			
16	013.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10	90	0.5	14	1573.6	113	15.8	21.9	610		
	014.45.1800																	16	1574.4	99	18.1	25			
16	013.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10	90	0.5	14	1573.6	113	15.8	21.9	610		
	014.35.1800																	16	1574.4	99	18.1	25			
17	013.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12	120	0.5	16	1734.4	109	24.1	33.3	1100		
	014.60.2000																	18	1735.2	97	27.1	37.5			
17	013.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12	120	0.5	16	1734.4	109	24.1	33.3	1100		
	014.40.2000																	18	1735.2	97	27.1	37.5			
18	013.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12	120	0.5	16	1990.4	125	24.1	33.3	1250		
	014.60.2240																	18	1987.2	111	27.1	37.5			
18	013.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12	120	0.5	16	1990.4	125	24.1	33.3	1250		
	014.40.2240																	18	1987.2	111	27.1	37.5			
19	013.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12	120	0.5	18	2239.2	125	27.1	37.5	1400		
	014.60.2500																	20	2228	112	30.1	41.8			
19	013.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12	120	0.5	18	2239.2	125	27.1	37.5	1400		
	014.40.2500																	20	2228	112	30.1	41.8			
20	013.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2527.2	141	27.1	37.5	1600		
	014.60.2800																	20	2528	127	30.1	41.8			
20	013.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12	120	0.5	18	2527.2	141	27.1	37.5	1600		
	014.40.2800																	20	2528	127	30.1	41.8			
21	013.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	2828	142	37.7	52.2	2800		
	014.75.3150																	22	2824.8	129	41.5	57.4			
21	013.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12	150	0.5	20	2828	142	37.7	52.2	2800		
	014.50.3150																	22	2824.8	129	41.5	57.4			
22	013.75.3550	3776	3322	174	3686	3414	56	45	M42	84	8	3552	3547	162	12	150	0.5	20	3228	162	37.7	51.7	3500		
	014.75.3550																	22	3220.8	147	41.5	57			
22	013.50.3550	3776	3322	174	3686	3414	56	45	M42	84	10	3552	3548	162	12	150	0.5	20	3228	162	37.7	51.7	3500		
	014.50.3550																	22	3220.8	147	41.5	57			
23	013.75.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3997	162	12	150	0.5	22	3660.8	167	41.5	57	4200		
	014.75.4000																	25	3660	147	47.5	64.6			
23	013.50.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3998	162	12	150	0.5	22	3660.8	167	41.5	57	4200		
	014.50.4000																	25	3660	147	47.5	64.6			
24	013.75.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4497	162	12	150	0.5	22	4166.8	190	41.5	57	5100		
	014.75.4500																	25	4160	167	47.1	64.6			
24	013.50.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4498	162	12	150	0.5	22	4166.8	190	41.5	57	5100		
	014.50.4500																	25	4160	167	47.1	64.6			

010 series, without a gear

NOTE:

1.n1 is the nos of lubricating holes. Oil cup M10×1JB/T7940.1~JB/T7940.2.

2.Mounting hole n-dn1、n-dn2 can change to tapped hole;



NO.	Non Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data					Gear circumferential force		Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normalizi ng Z 10°N	Quenchin g T 10°N		
1	010.20.200	280	120	60	248	152	12	16	M14	28	2	201	199	50	10									20
2	010.20.224	304	144	60	272	176	12	16	M14	28	2	225	223	50	10									22
3	010.20.250	330	170	60	298	202	18	16	M14	28	2	251	249	50	10									25
4	010.20.280	360	200	60	328	232	18	16	M14	28	2	281	279	50	10									28
5	010.25.315	408	222	70	372	258	20	18	M16	32	2	316	314	60	10									44
6	010.25.355	448	262	70	412	298	20	18	M16	32	2	356	354	60	10									49
7	010.25.400	493	307	70	457	343	20	18	M16	32	2	401	399	60	10									56
8	010.25.450	543	357	70	507	393	20	18	M16	32	2	451	449	60	10									62
9	010.30.500	602	398	80	566	434	20	18	M16	32	4	501	498	70	10									85
9'	010.25.500	602	398	80	566	434	20	18	M16	32	4	501	499	70	10									85
10	010.30.560	662	458	80	626	494	20	18	M16	32	4	561	558	70	10									95
10'	010.25.560	662	458	80	626	494	20	18	M16	32	4	561	559	70	10									95
11	010.30.630	732	528	80	696	564	24	18	M16	32	4	631	628	70	10									110
11'	010.25.630	732	528	80	696	564	24	18	M16	32	4	631	629	70	10									110
12	010.30.710	812	608	80	776	644	24	18	M16	32	4	711	708	70	10									120
12'	010.25.710	812	608	80	776	644	24	18	M16	32	4	711	709	70	10									120
13	010.40.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10									220
13'	010.30.800	922	678	100	878	722	30	22	M20	40	6	801	798	90	10									220
14	010.40.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10									240
14'	010.30.900	1022	778	100	978	822	30	22	M20	40	6	901	898	90	10									240
15	010.40.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10									270
15'	010.30.1000	1122	878	100	1078	922	36	22	M20	40	6	1001	998	90	10									270
16	010.40.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10									300
16'	010.30.1120	1242	998	100	1198	1042	36	22	M20	40	6	1121	1118	90	10									300
17	010.45.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1252	1248	100	10									420
17'	010.35.1250	1390	1110	110	1337	1163	40	26	M24	48	5	1251	1248	100	10									420
18	010.45.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1402	1398	100	10									480
18'	010.35.1400	1540	1260	110	1487	1313	40	26	M24	48	5	1401	1398	100	10									480

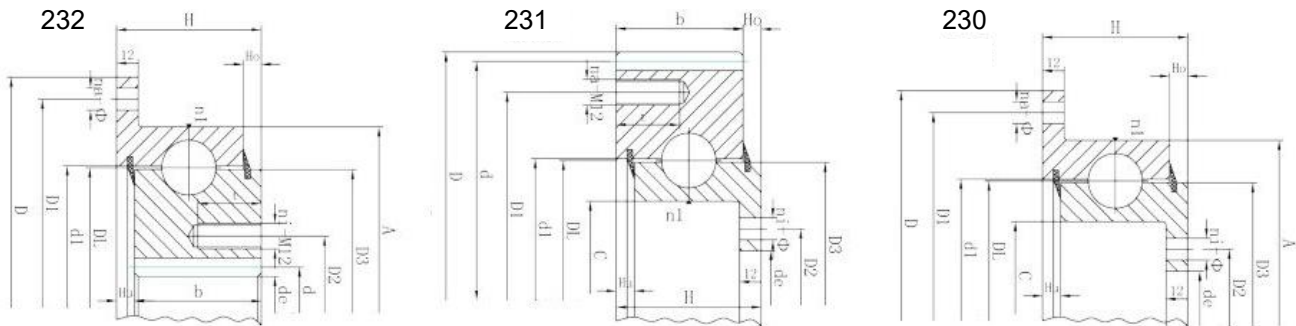
010 series, without a gear

NO.	Non Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		Weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1 mm	D3 mm	d1 mm	H1 mm	h mm	b mm	x	M mm	De mm	z	Normalizi ng Z 10 ⁴ N	Quenchin g T 10 ⁴ N			
19	010.45.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1602	1598	100	10									550	
19	010.35.1600	1740	1460	110	1687	1513	45	26	M24	48	5	1601	1598	100	10									550	
20	010.45.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1802	1798	100	10									610	
20	010.35.1800	1940	1660	110	1887	1713	45	26	M24	48	5	1801	1798	100	10									610	
21	010.60.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2002	1998	132	12									1100	
21	010.40.2000	2178	1825	144	2110	1891	48	33	M30	60	8	2001	1998	132	12									1100	
22	010.60.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2242	2238	132	12									1250	
22	010.40.2240	2418	2065	144	2350	2131	48	33	M30	60	8	2241	2238	132	12									1250	
23	010.60.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2502	2498	132	12									1400	
23	010.40.2500	2678	2325	144	2610	2391	56	33	M30	60	8	2501	2498	132	12									1400	
24	010.60.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12									1600	
24	010.40.2800	2978	2625	144	2910	2691	56	33	M30	60	8	2802	2798	132	12									1600	
25	010.75.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12									2800	
25	010.50.3150	3376	2922	174	3286	3014	56	45	M42	84	8	3152	3147	162	12									2800	
26	010.75.3550	3776	3322	174	3686	3414	56	45	M42	84	8	3552	3547	162	12									3500	
26	010.50.3550	3776	3322	174	3686	3414	56	45	M42	84	10	3552	3548	162	12									3500	
27	010.75.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3997	162	12									4200	
27	010.50.4000	4226	3772	174	4136	3864	60	45	M42	84	10	4002	3998	162	12									4200	
28	010.75.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4497	162	12									5100	
28	010.50.4500	4726	4272	174	4636	4364	60	45	M42	84	10	4502	4498	162	12									5100	

23 flange series

NOTE:

1. n1 is the number of lubricating holes. Oil cup M8×1JB/T7940.1~JB/T794. Customers can specify Oil nipple's location according to application.
2. Km is addendum reduction.

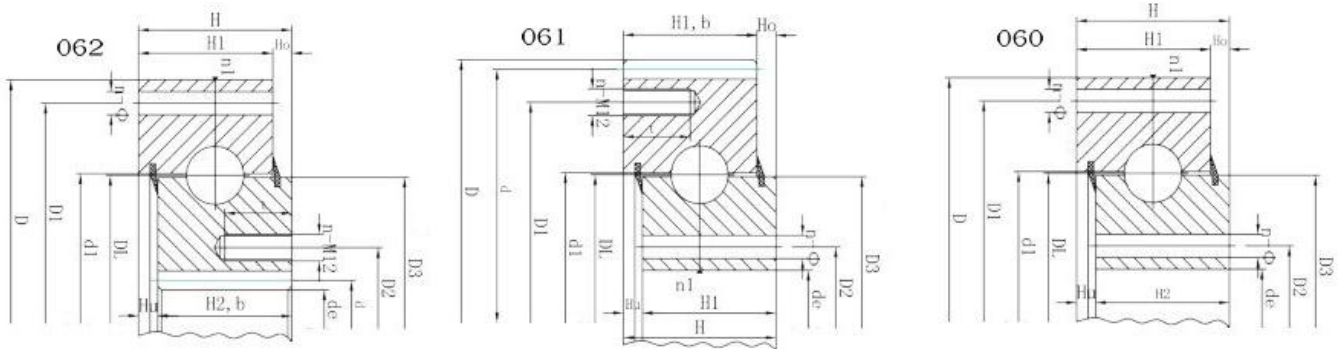


	No	Model	Weight	Dimensions			Mounting dimensions							Structure dimensions							Gear data					Gear circumferential force		Clearance	
				D	de	H	D1	D2	na	Φ/M	ni	Φ/M	t	n1	D3	d1	A	C	Hu	Ho	d	m	z	b	km	Allowed circumferential force	Max allowed circumferential force	axial	radial
							DL	kg	mm					mm				mm								mm		KN	
Outer Gear	1	231.20.0414	29	504	304	56	455	332	10	M12	24	18	20	4	412.5	415.5		375	10.5	10.5	495	5	99	45.5	0.5	11.75	23.5	≤0.5	≤0.5
	2	231.20.0544	39.2	640.8	434	56	585	462	14	M12	28	18	20	4	542.5	545.5		505	10.5	10.5	630	6	105	45.5	0.5	14.2	28.4	≤0.5	≤0.5
	3	231.20.0644	47.2	742.8	534	56	685	562	16	M12	32	18	20	4	642.5	645.5		605	10.5	10.5	732	6	122	45.5	0.6	14.2	28.4	≤0.5	≤0.5
	4	231.20.0744	53.1	838.8	634	56	785	662	18	M12	32	18	20	4	742.5	745.5		705	10.5	10.5	828	6	138	45.5	0.6	14.2	28.4	≤0.5	≤0.5
	5	231.20.0844	64.7	950.4	734	56	885	762	18	M12	36	18	20	4	842.5	845.5		805	10.5	10.5	936	8	117	45.5	0.8	18.93	37.86	≤0.5	≤0.5
	6	231.20.0944	69.1	1046.4	834	56	985	862	20	M12	40	18	20	4	942.5	945.5		905	10.5	10.5	1032	8	129	45.5	0.8	18.93	37.86	≤0.5	≤0.5
	7	231.20.1094	82.5	1198.4	984	56	1135	1012	22	M12	40	18	20	4	1092.5	1095.5		1055	10.5	10.5	1184	8	148	45.5	0.8	18.93	37.86	≤0.5	≤0.5
Inner Gear	1	232.20.0414	26.9	518	326.5	56	490	375	16	18	12	M12	20	4	412.5	415.5	453		10.5	10.5	335	5	67	45.5	0.75	13.54	27.08	≤0.5	≤0.5
	2	232.20.0544	36.7	648	445.2	56	620	505	20	18	16	M12	20	4	542.5	545.5	583		10.5	10.5	456	6	76	45.5	0.6	16	32	≤0.5	≤0.5
	3	232.20.0644	43.4	748	547.2	56	720	605	24	18	18	M12	20	4	642.5	645.5	683		10.5	10.5	558	6	93	45.5	0.6	15.62	31.24	≤0.5	≤0.5
	4	232.20.0744	50.8	848	649.2	56	820	705	24	18	20	M12	20	4	742.5	745.5	783		10.5	10.5	660	6	110	45.5	0.6	15.32	30.64	≤0.5	≤0.5
	5	232.20.0844	61.3	948	737.6	56	920	805	28	18	20	M12	20	4	842.5	845.5	883		10.5	10.5	752	8	94	45.5	0.8	20.8	41.6	≤0.5	≤0.5
	6	232.20.0944	65.4	1048	841.6	56	1020	905	32	18	22	M12	20	4	942.5	945.5	983		10.5	10.5	856	8	107	45.5	0.8	20.49	40.98	≤0.5	≤0.5
	7	232.20.1094	80.3	1198	985.6	56	1170	1055	32	18	24	M12	20	4	1092.5	1095.5	1133		10.5	10.5	1000	8	125	45.5	0.8	20.16	40.32	≤0.5	≤0.5
Non Gear	1	230.20.0414	23	518	304	56	490	332	16	18	24	18	20	4	412.5	415.5	453	375	10.5	10.5								≤0.5	≤0.5
	2	230.20.0544	30.4	648	434	56	620	462	20	18	28	18	20	4	542.5	545.5	583	505	10.5	10.5								≤0.5	≤0.5
	3	230.20.0644	35.8	748	534	56	720	562	24	18	32	18	20	4	642.5	645.5	683	605	10.5	10.5								≤0.5	≤0.5
	4	230.20.0744	42.2	848	634	56	820	662	24	18	32	18	20	4	742.5	745.5	783	705	10.5	10.5								≤0.5	≤0.5
	5	230.20.0844	47.1	948	734	56	920	762	28	18	36	18	20	4	842.5	845.5	883	805	10.5	10.5								≤0.5	≤0.5
	6	230.20.0944	52.3	1048	834	56	1020	862	32	18	40	18	20	4	942.5	945.5	983	905	10.5	10.5								≤0.5	≤0.5
	7	230.20.1094	61.1	1198	984	56	1170	1012	32	18	40	18	20	4	1092.5	1095.5	1133	1055	10.5	10.5								≤0.5	≤0.5

06 light series

NOTE:

1. n1 is the number of lubricating holes. Oil cup M8×1JB/T7940.1~JB/T794. Customers can specify Oil nipple's location according to application.
2. Km is addendum reduction.



	No	Model	Weight	Dimensions			Mounting dimensions					Structure dimensions						Gear data				Gear circumferential force			Clearance		
				D	de	H	D1	D2	n	Φ	M	t	D3	d1	H1	H2	Hu	Ho	d	m	z	k.m	b	Allowed circumferential force	Max allowed circumferential force	axial	radial
		DL	kg	mm						mm				mm						mm			KN		mm		
Outer Gear	1	061.20.0414	31	504	342	56	455	368	20/24	13.5	12	20	412.5	415.5	45.5	45.5	10.5	10.5	495	5	99	0.5	45.5	11.75	23.5	≤0.28	≤0.24
	2	061.20.0544	43	640.8	472	56	585	498	28/32	13.5	12	20	542.5	545.5	45.5	45.5	10.5	10.5	630	6	105	0.6	45.5	14.2	28.4	≤0.30	≤0.26
	3	061.20.0644	52	742.8	572	56	685	598	32/36	13.5	12	20	642.5	645.5	45.5	45.5	10.5	10.5	732	6	122	0.6	45.5	14.2	28.4	≤0.30	≤0.26
	4	061.20.0744	59	838.8	672	56	785	698	36/40	13.5	12	20	742.5	745.5	45.5	45.5	10.5	10.5	828	6	138	0.6	45.5	14.2	28.4	≤0.30	≤0.26
	5	061.20.0844	71	950.4	772	56	885	798	36/40	13.5	12	20	842.5	845.5	45.5	45.5	10.5	10.5	936	8	117	0.8	45.5	18.93	37.86	≤0.30	≤0.26
	6	061.20.0944	77	1046.4	872	56	985	898	40/44	13.5	12	20	942.5	945.5	45.5	45.5	10.5	10.5	1032	8	129	0.8	45.5	18.93	37.86	≤0.30	≤0.26
	7	061.20.1094	91	1198.4	1022	56	1135	1048	44/48	13.5	12	20	1092.5	1095.5	45.5	45.5	10.5	10.5	1184	8	148	0.8	45.5	18.93	37.86	≤0.30	≤0.26
Inner Gear	1	062.20.0414	31	486	326.5	56	460	375	24	13.5	12	20	415.5	412.5	45.5	45.5	10.5	10.5	335	5	67	0.75	45.5	13.54	27.08	≤0.28	≤0.24
	2	062.20.0544	42	616	445.2	56	590	505	32	13.5	12	20	545.5	542.5	45.5	45.5	10.5	10.5	456	6	76	0.6	45.5	16	32	≤0.30	≤0.26
	3	062.20.0644	50	716	547.2	56	690	605	36	13.5	12	20	645.5	543.5	45.5	45.5	10.5	10.5	558	6	93	0.6	45.5	15.62	31.24	≤0.30	≤0.26
	4	062.20.0744	58	816	649.2	56	790	705	40	13.5	12	20	745.5	544.5	45.5	45.5	10.5	10.5	660	6	110	0.6	45.5	15.32	30.64	≤0.30	≤0.26
	5	062.20.0844	69	916	737.6	56	890	805	40	13.5	12	20	845.5	545.5	45.5	45.5	10.5	10.5	752	8	94	0.8	45.5	20.8	41.6	≤0.30	≤0.26
	6	062.20.0944	76	1016	841.6	56	990	905	44	13.5	12	20	945.5	546.5	45.5	45.5	10.5	10.5	856	8	107	0.8	45.5	20.49	40.98	≤0.30	≤0.26
	7	062.20.1094	91	1166	985.6	56	1140	1055	48	13.5	12	20	1095.5	547.5	45.5	45.5	10.5	10.5	1000	8	125	0.8	45.5	20.16	40.32	≤0.30	≤0.26
Non Gear	1	060.20.0414	29	486	342	56	460	368	24	13.5	12	20	412.5	415.5	45.5	45.5	10.5	10.5								≤0.28	≤0.24
	2	060.20.0544	37	616	472	56	590	498	32	13.5	12	20	542.5	545.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26
	3	060.20.0644	44	716	572	56	690	598	36	13.5	12	20	642.5	645.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26
	4	060.20.0744	52	816	672	56	790	698	40	13.5	12	20	742.5	745.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26
	5	060.20.0844	60	916	772	56	890	798	40	13.5	12	20	842.5	845.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26
	6	060.20.0944	67	1016	872	56	990	898	44	13.5	12	20	942.5	945.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26
	7	060.20.1094	77	1166	1022	56	1140	1048	48	13.5	12	20	1092.5	1095.5	45.5	45.5	10.5	10.5								≤0.30	≤0.26

Double row four-point contact ball slewing bearings

Material

The double row four-point contact ball slewing bearings are made of 50Mn or 42CrMo tempered steel, in accordance with EN 10083-2:2006.

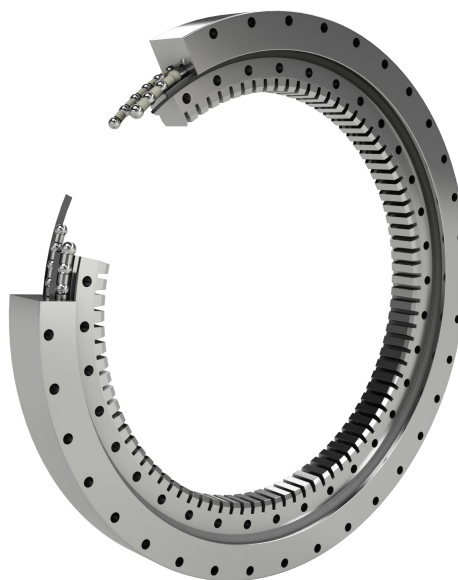
The inner and outer ring raceways are induction hardened, leaving the remainder of the rings, including the gears, unaffected by the hardening process.

The balls are made of bearing steel for through-hardening, in accordance with EN ISO 683-17:2000.

Gears

Gear teeth are manufactured to MERYDOM specifications strictly following ISO 1328-2:1997, accuracy class 12, and can be hardened upon request.

The gear of a new bearing is coated with a preservative. After mounting has been completed, lubricant needs to be applied to the gear. This lubricant should have good adhesive properties and a high resistance to water washout. Additionally, the lubricant must be able to withstand temperatures of +100 °C and has to have a base oil viscosity of at least 500 mm²/s at +40 °C.



Seals

The integral seals are made of profiled strips of non-reinforced acrylonitrile-butadiene rubber (NBR). They seal axially against the side face of the inner or outer ring.

This material has very good engineering properties and shows good resistance to most mineral oils and greases. The permissible operating temperatures of the seal material range from -40 to +110 °C.

Lubrication

Standard double row four-point contact ball slewing bearings are filled with a mineral oil based grease with a consistency of 2 on the NLGI scale using a lithium soap thickener and containing extreme pressure additives. The base oil viscosity is 200 mm²/s at 40 °C and 16 mm²/s at 100 °C. This grease has good rust inhibiting properties and a temperature range of -20 up to +110 °C. Reliable lubrication according when operating temperatures range from +30 to +110°C.

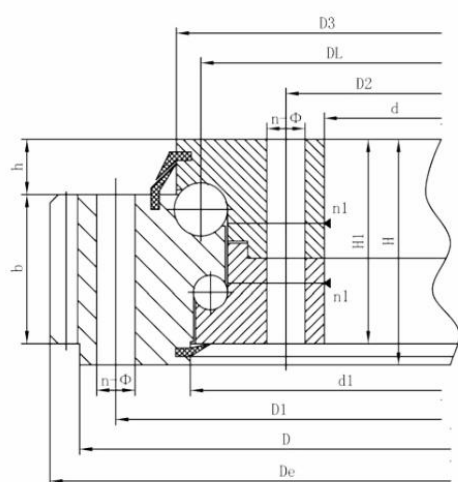
- in the inner ring of bearings with an external gear
- in the outer ring of bearings with an internal gear
- in the outer ring of bearings without a gear

Relubrication features of customized slewing bearings depend on the needs of the application. For additional information, contact our application engineering service.

021/022 series, with an external gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1~JB/T7940.2.
2. Mounting hole n-φ can change to tapped hole,tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.1



NO.	Outer Gear DL mm	Dimensions			Mounting dimensions				Structural dimensions					Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	D3 mm	d1 mm	n1	H1 mm	h mm	b mm	x	m mm	De mm	z	Normali zing Z 10 ⁴ N	Quenc hing T 10 ⁴ N	
1	021.25.500	616	384	106	580	420	20	18	523	518	4	96	26	60	0.5	5	644	126	3.7	5.2	100
	022.25.500															6	646.8	105	4.5	6.2	
2	021.25.560	676	444	106	640	480	20	18	583	578	4	96	26	60	0.5	5	704	138	3.7	5.2	115
	022.25.560															6	706.8	115	4.5	6.2	
3	021.25.630	746	514	106	710	550	24	18	653	648	4	96	26	60	0.5	6	790.8	129	4.5	6.2	130
	022.25.630															8	790.4	96	6	8.3	
4	021.25.710	826	594	106	790	630	24	18	733	728	4	96	26	60	0.5	6	862.8	141	4.5	6.2	140
	022.25.710															8	862.4	105	6	8.3	
5	021.30.800	942	658	124	898	702	30	22	829	823	6	114	29	80	0.5	8	982.4	120	8	11.1	200
	022.30.800															10	988	96	10	14	
6	021.30.900	1042	758	124	998	802	30	22	929	923	6	114	29	80	0.5	8	1086.4	133	8	11.1	250
	022.30.900															10	1088	106	10	14	
7	021.30.1000	1142	858	124	1098	902	36	22	1029	1023	6	114	29	80	0.5	10	1198	117	10	14	300
	022.30.1000															12	1197.6	97	12	16.7	
8	021.30.1120	1262	978	124	1218	1022	36	22	1149	1143	6	114	29	80	0.5	10	1318	129	10	14	340
	022.30.1120															12	1317.6	107	12	16.7	
9	021.40.1250	1426	1074	160	1374	1126	40	26	1286	1273	5	150	39	90	0.5	12	1497.6	122	13.5	18.8	580
	022.40.1250															14	1495.2	104	15.8	21.9	
10	021.40.1400	1576	1224	160	1524	1276	40	26	1436	1423	5	150	39	90	0.5	12	1641.6	134	13.5	18.8	650
	022.40.1400															14	1649.2	115	15.8	21.9	

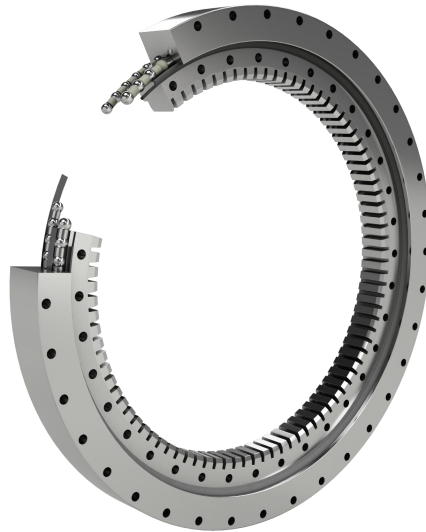
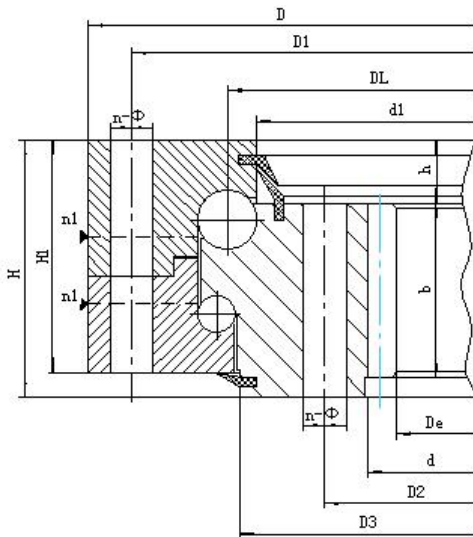
021/022 series, with an external gear

NO.	Outer Gear DL mm	Dimensions			Mounting dimensions				Structural dimensions					Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	D3 mm	d1 mm	n1	H1 mm	h mm	b mm	x	m mm	De mm	z	Normali zing Z 10 ⁴ N	Quenc hing T 10 ⁴ N	
11	021.40.1600	1776	1424	160	1724	1476	45	26	1636	1626	5	150	39	90	0.5	14	1845.2	129	15.8	21.9	750
	022.40.1600															16	1852.8	113	18.1	25	
12	021.40.1800	1976	1624	160	1924	1676	45	26	1836	1826	5	150	39	90	0.5	14	2055.2	144	15.8	21.9	820
	022.40.1800															16	2060.8	126	18.1	25	
13	021.50.2000	2215	1785	190	2149	1851	48	33	2038	2035	8	178	47	120	0.5	16	2300.8	141	24.1	33.3	1150
	022.50.2000															18	2300.4	125	27.1	37.5	
14	021.50.2240	2455	2025	190	2389	2091	48	33	2278	2275	8	178	47	120	0.5	16	2540.8	156	24.1	33.3	1500
	022.50.2240															18	2552.4	139	27.1	37.5	
15	021.50.2500	2715	2285	190	2649	2351	56	33	2538	2532	8	178	47	120	0.5	18	2804.4	153	27.1	37.5	1700
	022.50.2500															20	2816	138	30.1	41.8	
16	021.50.2800	3015	2585	190	2949	2651	56	33	2838	2832	8	178	47	120	0.5	18	3110.4	170	27.1	37.5	1900
	022.50.2800															20	3116	153	30.1	41.8	
17	021.60.3150	3428	2872	226	3338	2962	56	45	3198	3196	8	214	56	150	0.5	20	3536	174	37.7	52.2	3300
	022.60.3150															22	3537.6	158	41.5	57.4	
18	021.60.3550	3828	3272	226	3738	3362	56	45	3598	3596	8	214	56	150	0.5	20	3936	194	37.7	52.2	3700
	022.60.3550															22	3933.6	176	41.5	57.4	
19	021.60.4000	4278	3722	226	4188	3812	60	45	4048	4046	10	214	56	150	0.5	22	4395.6	197	41.5	57.4	4200
	022.60.4000															25	4395	173	47.1	65.2	
20	021.60.4500	4778	4222	226	4688	4312	60	45	4548	4546	10	214	56	150	0.5	22	4879.6	219	41.5	57.4	4700
	022.60.4500															25	4895	193	47.1	65.2	

023/024 series, with an internal gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φcan change to tapped hole,tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.2



NO.	Inner Gear DL mm	Dimensions			Mounting dimensions				Structural dimensions					Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	D3 mm	d1 mm	n1	H1 mm	h mm	b mm	x	m mm	De mm	z	Normal izing Z 10°N	Quenc hing T 10°N	
1	023.25.500	616	384	106	580	420	20	18	482	477	4	96	26	60	0.5	5	357	72	3.7	5.2	100
	024.25.500															6	350.4	59	4.5	6.2	
2	023.25.560	676	444	106	640	480	20	18	542	537	4	96	26	60	0.5	5	417	84	3.7	5.2	115
	024.25.560															6	410.4	69	4.5	6.2	
3	023.25.630	746	514	106	710	550	24	18	612	607	4	96	26	60	0.5	6	482.4	81	4.5	6.2	130
	024.25.630															8	475.2	60	6	8.3	
4	023.25.710	826	594	106	790	630	24	18	692	687	4	96	26	60	0.5	6	560.4	94	4.5	6.2	140
	024.25.710															8	555.2	70	6	8.3	
5	023.30.800	942	658	124	898	702	30	22	777	771	6	114	29	80	0.5	8	619.2	78	8	11.1	200
	024.30.800															10	614	62	10	14	
6	023.30.900	1042	758	124	998	802	30	22	877	871	6	114	29	80	0.5	8	715.2	90	8	11.1	250
	024.30.900															10	714	72	10	14	
7	023.30.1000	1142	858	124	1098	902	36	22	977	971	6	114	29	80	0.5	10	814	82	10	14	300
	024.30.1000															12	796.8	67	12	16.7	
8	023.30.1120	1262	978	124	1218	1022	36	22	1097	1091	6	114	29	80	0.5	10	924	93	10	14	340
	024.30.1120															12	916.8	77	12	16.7	
9	023.40.1250	1426	1074	160	1374	1126	40	26	1215	1214	5	150	39	90	0.5	12	1012.8	85	13.5	18.8	580
	024.40.1250															14	1013.6	73	15.8	21.9	
10	023.40.1400	1576	1224	160	1524	1276	40	26	1365	1364	5	150	39	90	0.5	12	1156.8	97	13.5	18.8	650
	024.40.1400															14	1153.6	83	15.8	21.9	

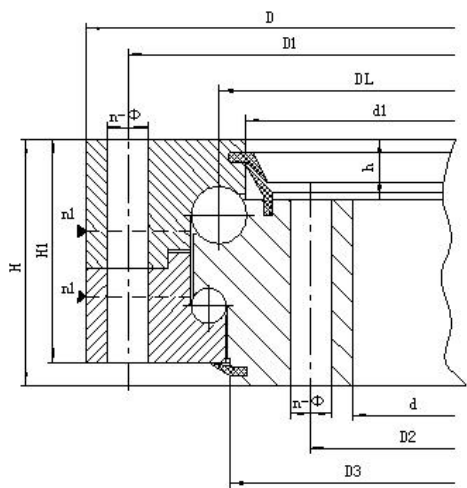
023/024 series, with an internal gear

NO.	Inner Gear DL mm	Dimensions			Mounting dimensions				Structural dimensions					Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	D3 mm	d1 mm	n1	H1 mm	h mm	b mm	x	m mm	De mm	z	Normal izing Z 10°N	Quenc hing T 10°N		
11	023.40.1600	1776	1424	160	1724	1476	45	26	1565	1564	5	150	39	90	0.5	14	1349.6	97	15.8	21.9	750	
	024.40.1600															16	1350.4	85	18.1	25		
12	023.40.1800	1976	1624	160	1924	1676	45	26	1765	1764	5	150	39	90	0.5	14	1545.6	111	15.8	21.9	820	
	024.40.1800															16	1542.4	97	18.1	25		
13	023.50.2000	2215	1785	190	2149	1851	48	33	1965	1962	8	178	47	120	0.5	16	1702.4	107	24.1	33.3	1150	
	024.50.2000															18	1699.2	95	27.1	37.5		
14	023.50.2240	2455	2025	190	2389	2091	48	33	2205	2202	8	178	47	120	0.5	16	1942.4	122	24.1	33.3	1500	
	024.50.2240															18	1933.2	108	27.1	37.5		
15	023.50.2500	2715	2285	190	2649	2351	56	33	2465	2462	8	178	47	120	0.5	18	2203.2	123	27.1	37.5	1700	
	024.50.2500															20	2188	110	30.1	41.8		
16	023.50.2800	3015	2585	190	2949	2651	56	33	2765	2762	8	178	47	120	0.5	18	2491.2	139	27.1	37.5	1900	
	024.50.2800															20	2488	125	30.1	41.8		
17	023.60.3150	3428	2872	226	3338	2962	56	45	3104	3102	8	214	56	150	0.5	20	2768	139	37.7	52.2	3300	
	024.60.3150															22	2758.8	126	41.5	57.4		
18	023.60.3550	3828	3272	226	3738	3362	56	45	3504	3502	8	214	56	150	0.5	20	3168	159	37.7	52.2	3700	
	024.60.3550															22	3176.8	145	41.5	57.4		
19	023.60.4000	4278	3722	226	4188	3812	60	45	3954	3592	10	214	56	150	0.5	22	3616.8	165	41.5	57.4	4200	
	024.60.4000															25	3610	145	47.1	65.2		
20	023.60.4500	4778	4222	226	4688	4312	60	45	4454	4452	10	214	56	150	0.5	22	4122.8	188	41.5	57.4	4700	
	024.60.4500															25	4110	165	47.1	65.2		

020 series, without a gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φcan change to tapped hole,tooth wide can change to H-h



NO.	Non Gear DL mm	Dimensions			Mounting dimensions				Structural dimensions					weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	D3 mm	d1 mm	n1	H1 mm	h mm	
1	020.25.500	616	384	106	580	420	20	18	482	477	4	96	26	100
2	020.25.560	676	444	106	640	480	20	18	542	537	4	96	26	115
3	020.25.630	746	514	106	710	550	24	18	612	607	4	96	26	130
4	020.25.710	826	594	106	790	630	24	18	692	687	4	96	26	140
5	020.30.800	942	658	124	898	702	30	22	777	771	6	114	29	200
6	020.30.900	1042	758	124	998	802	30	22	877	871	6	114	29	250
7	020.30.1000	1142	858	124	1098	902	36	22	977	971	6	114	29	300
8	020.30.1120	1262	978	124	1218	1022	36	22	1097	1091	6	114	29	340
9	020.40.1250	1426	1074	160	1374	1126	40	26	1215	1214	5	150	39	580
10	020.40.1400	1576	1224	160	1524	1276	40	26	1365	1364	5	150	39	650
11	020.40.1600	1776	1424	160	1724	1476	45	26	1565	1564	5	150	39	750
12	020.40.1800	1976	1624	160	1924	1676	45	26	1765	1764	5	150	39	820
13	020.50.2000	2215	1785	190	2149	1851	48	33	1965	1962	8	178	47	1150
14	020.50.2240	2455	2025	190	2389	2091	48	33	2205	2202	8	178	47	1500
15	020.50.2500	2715	2285	190	2649	2351	56	33	2465	2462	8	178	47	1700
16	020.50.2800	3015	2585	190	2949	2651	56	33	2765	2762	8	178	47	1900
17	020.60.3150	3428	2872	226	3338	2962	56	45	3104	3102	8	214	56	3300
18	020.60.3550	3828	3272	226	3738	3362	56	45	3504	3502	8	214	56	3700
19	020.60.4000	4278	3722	226	4188	3812	60	45	3954	3952	10	214	56	4200
20	020.60.4500	4778	4222	226	4688	4312	60	45	4454	4452	10	214	56	4700

Single row crossed cylindrical roller slewing bearings

Material

The single row crossed cylindrical roller slewing bearings are made of 50Mn or 42CrMo tempered steel, in accordance with EN 10083-2:2006.

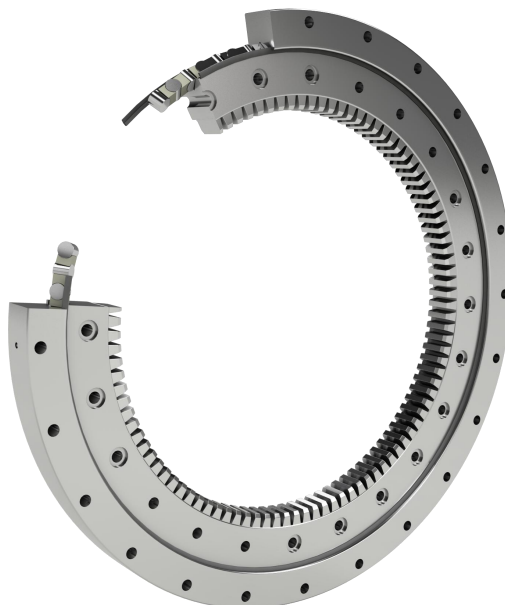
The inner and outer ring raceways are induction hardened, leaving the remainder of the rings, including the gears, unaffected by the hardening process.

The rollers are made of bearing steel for through-hardening, in accordance with EN ISO 683-17:2000.

Gears

Gear teeth are manufactured to MERYDOM specifications strictly following ISO 1328-2:1997, accuracy class 12, and can be hardened upon request.

The gear of a new bearing is coated with a preservative. After mounting has been completed, lubricant needs to be applied to the gear. This lubricant should have good adhesive properties and a high resistance to water washout. Additionally, the lubricant must be able to withstand temperatures of +100 °C and has to have a base oil viscosity of at least 500 mm²/s at +40 °C.



Seals

The integral seals are made of profiled strips of non-reinforced acrylonitrile-butadiene rubber (NBR). They seal axially against the side face of the inner or outer ring.

This material has very good engineering properties and shows good resistance to most mineral oils and greases. The permissible operating temperatures of the seal material range from -40 to +110 °C.

Lubrication

Single row crossed cylindrical roller slewing bearings are filled with a mineral oil based grease with a consistency of 2 on the NLGI scale using a lithium soap thickener and containing extreme pressure additives. The base oil viscosity is 200 mm²/s at 40 °C and 16 mm²/s at 100 °C. This grease has good rust inhibiting properties and a temperature range of -20 up to +110 °C. Reliable lubrication according when operating temperatures range from +30 to +110°C.

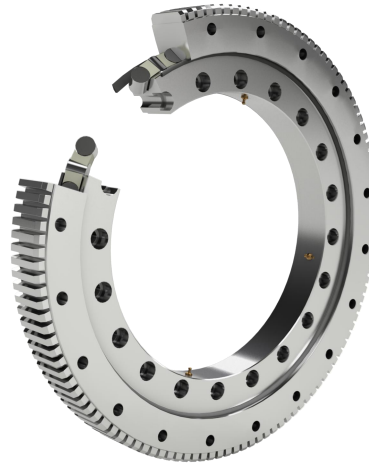
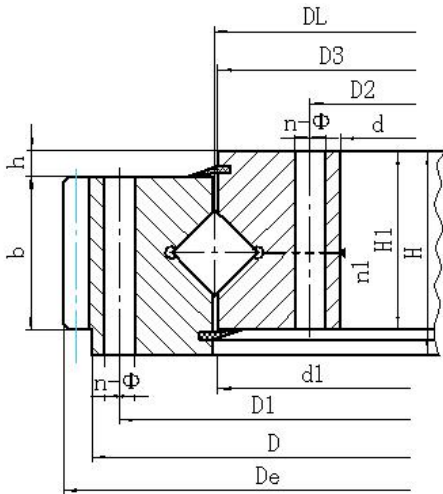
- in the inner ring of bearings with an external gear
- in the outer ring of bearings with an internal gear
- in the outer ring of bearings without a gear

Relubrication features of customized slewing bearings depend on the needs of the application. For additional information, contact our application engineering service.

111/112 series, with an external gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φ can change to tapped hole,tooth wide can change to H-h
- 3.The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.1



NO.	Outer Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions					Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Normaliz ing Z 10°N	Quench ing T 10°N	
1	111.25.500	602	398	75	566	434	20	18	M16	32	4	498	502	65	10	60	0.5	5	629	123	3.7	5.2	80
	112.25.500																	6	628.8	102	4.5	6.2	
2	111.25.560	662	458	75	626	494	20	18	M16	32	4	558	562	65	10	60	0.5	5	689	135	3.7	5.2	90
	112.25.560																	6	688.8	112	4.5	6.2	
3	111.25.630	732	528	75	696	564	24	18	M16	32	4	628	632	65	10	60	0.5	6	772.8	126	4.5	6.2	100
	112.25.630																	8	774.4	94	6	8.3	
4	111.25.710	812	608	75	776	644	24	18	M16	32	4	708	712	65	10	60	0.5	6	850.8	139	4.5	6.2	110
	112.25.710																	8	854.4	104	6	8.3	
5	111.28.800	922	678	82	878	722	30	22	M20	40	6	798	802	72	10	65	0.5	8	966.4	118	6.5	9.1	170
	112.28.800																	10	968	94	8.1	11.4	
6	111.28.900	1022	778	82	978	822	30	22	M20	40	6	898	902	72	10	65	0.5	8	1062.4	130	6.5	9.1	190
	112.28.900																	10	1068	104	8.1	11.4	
7	111.28.1000	1122	878	82	1078	922	36	22	M20	40	6	998	1002	72	10	65	0.5	10	1188	116	8.1	11.4	210
	112.28.1000																	12	1185.6	96	9.7	13.6	
8	111.28.1120	1242	998	82	1198	1042	36	22	M20	40	6	1118	1122	72	10	65	0.5	10	1298	127	8.1	11.4	230
	112.28.1120																	12	1305.6	106	9.7	13.6	
9	111.32.1250	1390	1110	91	1337	1163	40	26	M24	48	5	1248	1252	81	10	75	0.5	12	1449.6	118	11.3	15.7	350
	112.32.1250																	14	1453.2	101	13.2	18.2	
10	111.32.1400	1540	1260	91	1487	1313	40	26	M24	48	5	1398	1402	81	10	75	0.5	12	1605.6	131	11.3	15.7	400
	112.32.1400																	14	1607.2	112	13.2	18.2	
11	111.32.1600	1740	1460	91	1687	1513	45	26	M24	48	5	1598	1602	81	10	75	0.5	14	1817.2	127	13.2	18.2	440
	112.32.1600																	16	1820.8	111	15.1	22.4	
12	111.32.1800	1940	1660	91	1887	1713	45	26	M24	48	5	1798	1802	81	10	75	0.5	14	2013.2	141	13.2	18.2	500
	112.32.1800																	16	2012.8	123	15.1	22.4	

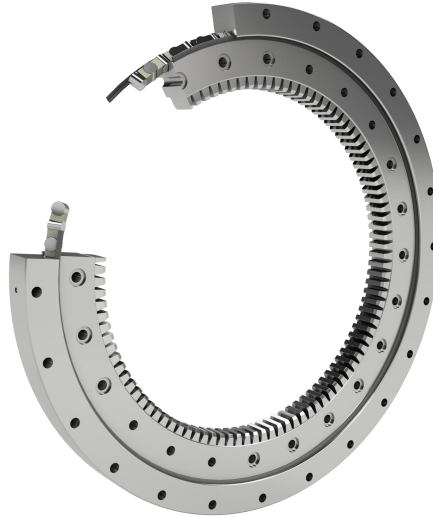
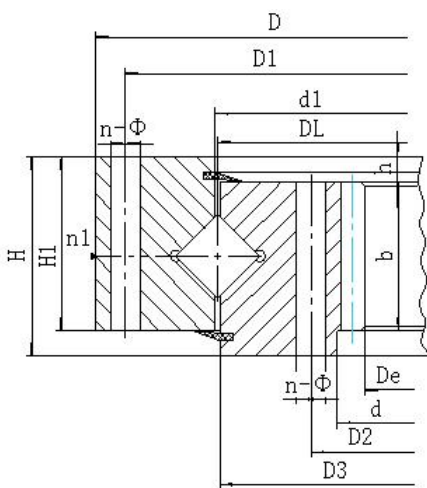
111/112 series, with an external gear

NO.	Outer Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions					Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Normalizi ng Z 10°N	Quenchi ng T 10°N	
13	111.40.2000	2178	1825	112	2110	1891	48	33	M30	60	8	1997	2003	100	12	90	0.5	16	2268.8	139	18.1	25	900
	112.40.2000																	18	2264.4	123	20.3	28.1	
14	111.40.2240	2418	2065	112	2350	2131	48	33	M30	60	8	2237	2243	100	12	90	0.5	16	2492.8	153	18.1	25	1000
	112.40.2240																	18	2498.4	136	20.3	28.1	
15	111.40.2500	2678	2325	112	2610	2391	56	33	M30	60	8	2497	2503	100	12	90	0.5	18	2768.4	151	20.3	28.1	1100
	112.40.2500																	20	2776	136	22.6	31.3	
16	111.40.2800	2978	2625	112	2910	2691	56	33	M30	60	8	2797	2803	100	12	90	0.5	18	3074.4	168	20.3	28.1	1250
	112.40.2800																	20	3076	151	22.6	31.3	
17	111.50.3150	3376	2922	134	3286	3014	56	45	M42	84	8	3147	3153	122	12	110	0.5	20	3476	171	27.6	38.3	2150
	112.50.3150																	22	3471.6	155	30.4	42.1	
18	111.50.3550	3776	3322	134	3686	3414	56	45	M42	84	8	3547	3553	122	12	110	0.5	20	3876	191	30.4	38.3	2470
	112.50.3550																	22	3889.6	174	30.4	42.1	
19	111.50.4000	4226	3772	134	4136	3864	60	45	M42	84	10	3997	4003	122	12	110	0.5	22	4329.6	194	30.4	42.1	2800
	112.50.4000																	25	4345	171	34.5	47.8	
20	111.50.4500	4726	4272	134	4636	4364	60	45	M42	84	10	4497	4503	122	12	110	0.5	22	4835.6	217	30.4	42.1	3100
	112.50.4500																	25	4845	191	34.5	47.8	

113/114 series, with an internal gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φcan change to tapped hole,tooth wide can change to H-h
- 3.The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.2



NO.	Inner Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Norma lizing Z 10°N	Quenc hing T 10°N			
	113.25.500	602	398	75	566	434	20	18	M16	32	4	498	502	65	10	60	0.5	5	367	74	3.7	5.2	80		
	114.25.500																	6	368.4	62	4.5	6.2			
2	113.25.560	662	458	75	626	494	20	18	M16	32	4	558	562	65	10	60	0.5	5	427	86	3.7	5.2	90		
	114.25.560																	6	428.4	72	4.5	6.2			
3	113.25.630	732	528	75	696	564	24	18	M16	32	4	628	632	65	10	60	0.5	6	494.4	83	4.5	6.2	100		
	114.25.630																	8	491.2	62	6	8.3			
4	113.25.710	812	608	75	776	644	24	18	M16	32	4	708	712	65	10	60	0.5	6	572.4	96	4.5	6.2	110		
	114.25.710																	8	571.2	72	6	8.3			
5	113.28.800	922	678	82	878	722	30	22	M20	40	6	798	802	72	10	65	0.5	8	635.2	80	6.5	9.1	170		
	114.28.800																	10	634	64	8.1	11.4			
6	113.28.900	1022	778	82	978	822	30	22	M20	40	6	898	902	72	10	65	0.5	8	739.2	93	6.5	9.1	190		
	114.28.900																	10	734	74	8.1	11.4			
7	113.28.1000	1122	878	82	1078	922	36	22	M20	40	6	998	1002	72	10	65	0.5	10	824	83	8.1	11.4	210		
	114.28.1000																	12	820.8	69	9.7	13.6			
8	113.28.1120	1242	998	82	1198	1042	36	22	M20	40	6	1118	1122	72	10	65	0.5	10	944	95	8.1	11.4	230		
	114.28.1120																	12	940.8	79	9.7	13.6			
9	113.32.1250	1390	1110	91	1337	1163	40	26	M24	48	5	1248	1252	81	10	75	0.5	12	1048.8	88	11.3	15.7	350		
	114.32.1250																	14	1041.6	75	13.2	18.2			
10	113.32.1400	1540	1260	91	1487	1313	40	26	M24	48	5	1398	1402	81	10	75	0.5	12	1192.8	100	11.3	15.7	400		
	114.32.1400																	14	1195.6	86	13.2	18.2			
11	113.32.1600	1740	1460	91	1687	1513	45	26	M24	48	5	1598	1602	81	10	75	0.5	14	1391.6	100	13.2	18.2	440		
	114.32.1600																	16	1382.4	87	15.1	22.4			
12	113.32.1800	1940	1660	91	1887	1713	45	26	M24	48	5	1798	1802	81	10	75	0.5	14	1573.6	113	13.2	18.2	500		
	114.32.1800																	16	1574.4	99	15.1	22.4			

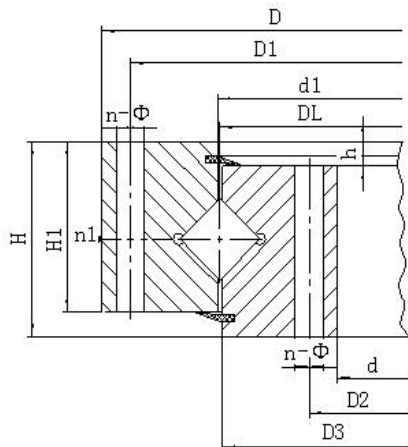
113/114 series, with an internal gear

NO.	Inner Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Norma lizing Z 10 ⁴ N	Quenc hing T 10 ⁴ N			
13	113.40.2000	2178	1825	112	2110	1891	48	33	M30	60	8	1997	2003	100	12	90	0.5	16	1734.4	109	18.1	25	900		
	114.40.2000																	18	1735.2	97	20.3	28.1			
14	113.40.2240	2418	2065	112	2350	2131	48	33	M30	60	8	2237	2243	100	12	90	0.5	16	1990.4	125	18.1	25	1000		
	114.40.2240																	18	1987.2	111	20.3	28.1			
15	113.40.2500	2678	2325	112	2610	2391	56	33	M30	60	8	2497	2503	100	12	90	0.5	18	2239.2	125	20.3	28.1	1100		
	114.40.2500																	20	2228	112	22.6	31.3			
16	113.40.2800	2978	2625	112	2910	2691	56	33	M30	60	8	2797	2803	100	12	90	0.5	18	2527.2	141	20.3	28.1	1250		
	114.40.2800																	20	2528	127	22.6	31.3			
17	113.50.3150	3376	2922	134	3286	3014	56	45	M42	84	8	3147	3153	122	12	110	0.5	20	2828	142	27.6	38.3	2150		
	114.50.3150																	22	2824.8	129	30.4	42.1			
18	113.50.3550	3776	3322	134	3686	3414	56	45	M42	84	8	3547	3553	122	12	110	0.5	20	3228	162	30.4	38.3	2470		
	114.50.3550																	22	3220.8	147	30.4	42.1			
19	113.50.4000	4226	3772	134	4136	3864	60	45	M42	84	10	3997	4003	122	12	110	0.5	22	3660.8	167	30.4	42.1	2800		
	114.50.4000																	25	3660	147	34.5	47.8			
20	113.50.4500	4726	4272	134	4636	4364	60	45	M42	84	10	4497	4503	122	12	110	0.5	22	4166.8	190	30.4	42.1	3100		
	114.50.4500																	25	4160	167	34.5	47.8			

110 series, without a gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n- ϕ can change to tapped hole



NO.	Non Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions					weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	
1	110.25.500	602	398	75	566	434	20	18	M16	32	4	498	502	65	10	80
2	110.25.560	662	458	75	626	494	20	18	M16	32	4	558	562	65	10	90
3	110.25.630	732	528	75	696	564	24	18	M16	32	4	628	632	65	10	100
4	110.25.710	812	608	75	776	644	24	18	M16	32	4	708	712	65	10	110
5	110.28.800	922	678	82	878	722	30	22	M20	40	6	798	802	72	10	170
6	110.28.900	1022	778	82	978	822	30	22	M20	40	6	898	902	72	10	190
7	110.28.1000	1122	878	82	1078	922	36	22	M20	40	6	998	1002	72	10	210
8	110.28.1120	1242	998	82	1198	1042	36	22	M20	40	6	1118	1122	72	10	230
9	110.32.1250	1390	1110	91	1337	1163	40	26	M24	48	5	1248	1252	81	10	350
10	110.32.1400	1540	1260	91	1487	1313	40	26	M24	48	5	1398	1402	81	10	400
11	110.32.1600	1740	1460	91	1687	1513	45	26	M24	48	5	1598	1602	81	10	440
12	110.32.1800	1940	1660	91	1887	1713	45	26	M24	48	5	1798	1802	81	10	500
13	110.40.2000	2178	1825	112	2110	1891	48	33	M30	60	8	1997	2003	100	12	900
14	110.40.2240	2418	2065	112	2350	2131	48	33	M30	60	8	2237	2243	100	12	1000
15	110.40.2500	2678	2325	112	2610	2391	56	33	M30	60	8	2497	2503	100	12	1100
16	110.40.2800	2978	2625	112	2910	2691	56	33	M30	60	8	2797	2803	100	12	1250
17	110.50.3150	3376	2922	134	3286	3014	56	45	M42	84	8	3147	3153	122	12	2150
18	110.50.3550	3776	3322	134	3686	3414	56	45	M42	84	8	3547	3553	122	12	2470
19	110.50.4000	4226	3772	134	4136	3864	60	45	M42	84	10	3997	4003	122	12	2800
20	110.50.4500	4726	4272	134	4636	4364	60	45	M42	84	10	4497	4503	122	12	3100

Three row roller slewing bearings

Material

The three row roller slewing bearings are made of 50Mn or 42CrMo tempered steel, in accordance with EN 10083-2:2006.

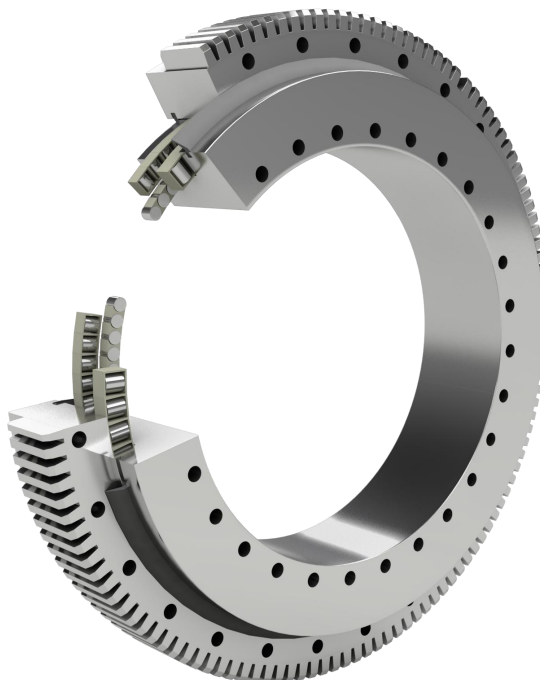
The inner and outer ring raceways are induction hardened, leaving the remainder of the rings, including the gears, unaffected by the hardening process.

The rollers are made of bearing steel for through-hardening, in accordance with EN ISO 683-17:2000.

Gears

Gear teeth are manufactured to MERYDOM specifications strictly following ISO 1328-2:1997, accuracy class 12, and can be hardened upon request.

The gear of a new bearing is coated with a preservative. After mounting has been completed, lubricant needs to be applied to the gear. This lubricant should have good adhesive properties and a high resistance to water washout. Additionally, the lubricant must be able to withstand temperatures of +100 °C and has to have a base oil viscosity of at least 500 mm²/s at +40 °C.



Seals

The integral seals are made of profiled strips of non-reinforced acrylonitrile-butadiene rubber (NBR). They seal axially against the side face of the inner or outer ring.

This material has very good engineering properties and shows good resistance to most mineral oils and greases. The permissible operating temperatures of the seal material range from -40 to +110 °C.

Lubrication

Three row roller slewing bearings are filled with a mineral oil based grease with a consistency of 2 on the NLGI scale using a lithium soap thickener and containing extreme pressure additives. The base oil viscosity is 200 mm²/s at 40 °C and 16 mm²/s at 100 °C. This grease has good rust inhibiting properties and a temperature range of -20 up to +110 °C. Reliable lubrication according when operating temperatures range from +30 to +110°C.

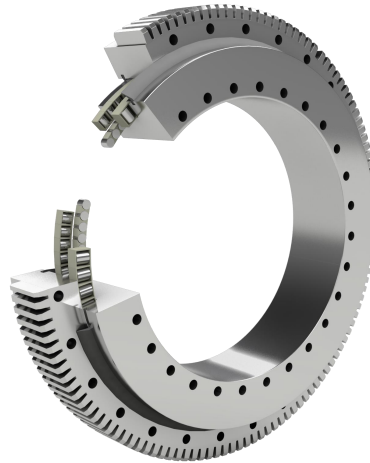
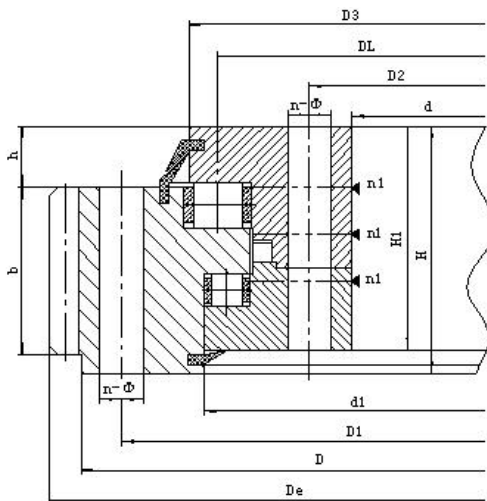
- in the inner ring of bearings with an external gear
- in the outer ring of bearings with an internal gear
- in the outer ring of bearings without a gear

Relubrication features of customized slewing bearings depend on the needs of the application. For additional information, contact our application engineering service.

131/132 series, with an external gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φcan change to tapped hole,tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.1



NO.	Outer Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	正火 Normalizi ng Z 10 ⁴ N	调质 Quenchin g T 10 ⁴ N		
1	131.25.500	634	366	148	598	402	24	18	M16	32	4	537	526	138	32	80	0.5	5	664	130	5	6.7	224	
	132.25.500																	6	664.8	108	6	8		
2	131.25.560	694	426	148	658	462	24	18	M16	32	4	597	586	138	32	80	0.5	5	724	142	5	6.7	240	
	132.25.560																	6	724.8	118	6	8		
3	131.25.630	764	496	148	728	532	28	18	M16	32	4	667	656	138	32	80	0.5	6	808.8	132	6	8	270	
	132.25.630																	8	806.4	98	8	11		
4	131.25.710	844	576	148	808	612	28	18	M16	32	4	747	736	138	32	80	0.5	6	886.8	145	6	8	300	
	132.25.710																	8	886.4	108	8	11		
5	131.32.800	964	636	182	920	680	36	22	M20	40	4	841	830	172	40	120	0.5	8	1006.4	123	12.1	16.7	500	
	132.32.800																	10	1008	98	15.1	20.9		
6	131.32.900	1064	736	182	1020	780	36	22	M20	40	4	941	930	172	40	120	0.5	8	1102.4	135	12.1	16.7	600	
	132.32.900																	10	1108	108	15.1	20.9		
7	131.32.1000	1164	836	182	1120	880	40	22	M20	40	5	1041	1030	172	40	120	0.5	10	1218	119	15.1	20.9	680	
	132.32.1000																	12	1221.6	99	18.1	25.1		
8	131.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	1161	1150	172	40	120	0.5	10	1338	131	15.1	20.9	820	
	132.32.1120																	12	1341.6	109	18.1	25.1		
9	131.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	1300	1287	210	50	150	0.5	12	1509.6	123	22.9	31.4	1200	
	132.40.1250																	14	1509.2	105	26.3	36.6		
10	131.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	1450	1437	210	50	150	0.5	12	1665.6	136	22.9	31.4	1300	
	132.40.1400																	14	1663.2	116	26.3	36.6		

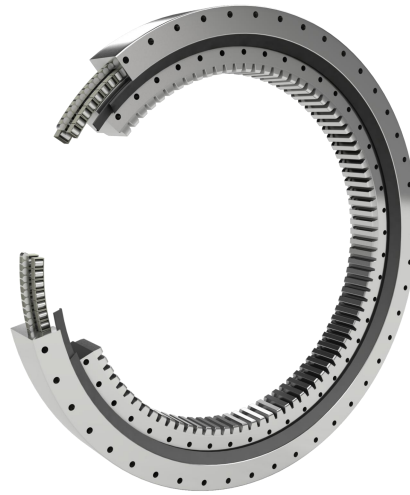
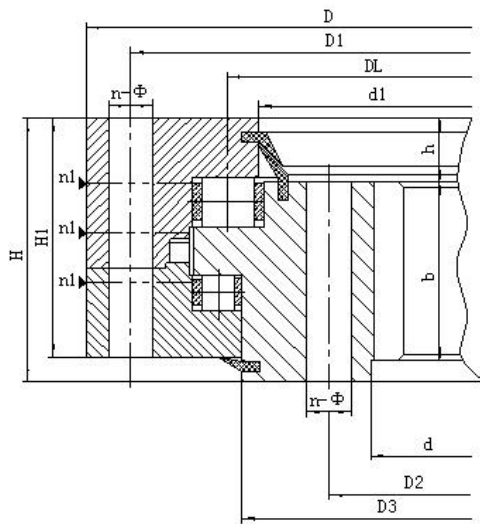
131/132 series, with an external gear

NO.	Outer Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data					Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	正火 Normalizi ng Z 10 ⁴ N	调质 Quenchin g T 10 ⁴ N		
11	131.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	1650	1637	210	50	150	0.5	14	1873.2	131	26.3	36.6	1520	
	132.40.1600																	16	1868.8	114	30.2	41.7		
12	131.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	1850	1837	210	50	150	0.5	14	2069.2	145	26.3	36.6	1750	
	132.40.1800																	16	2076.8	127	30.2	41.7		
13	131.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	2055	2033	219	54	160	0.5	16	2300.8	141	32.2	44.5	2400	
	132.45.2000																	18	2300.4	125	36.2	50.1		
14	131.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	2295	2273	219	54	160	0.5	16	2556.8	157	32.2	44.5	2700	
	132.45.2240																	18	2552.4	139	36.2	50.1		
15	131.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	2555	2533	219	54	160	0.5	18	2822.4	154	36.2	50.1	3000	
	132.45.2500																	20	2816	138	40.2	55.6		
16	131.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	2855	2833	219	54	160	0.5	18	3110.4	170	36.2	50.1	3400	
	132.45.2800																	20	3116	153	40.2	55.6		
17	131.50.3150	3432	2868	270	3342	2958	72	45	M42	84	8	3213	3196	258	65	180	0.5	20	3536	174	45.2	62.6	5000	
	132.50.3150																	22	3537.6	158	49.8	68.9		
18	131.50.3550	3832	3268	270	3742	3358	72	45	M42	84	8	3613	3596	258	65	180	0.5	20	3936	194	45.2	62.6	5680	
	132.50.3550																	22	3933.6	176	49.8	68.9		
19	131.50.4000	4282	3718	270	4192	3808	80	45	M42	84	8	4063	4046	258	65	180	0.5	20	4395.6	197	56.5	68.9	6470	
	132.50.4000																	25	4395	173	56.5	78.3		
20	131.50.4500	4782	4218	270	4692	4308	80	45	M42	84	8	4563	4546	258	65	180	0.5	20	4901.6	220	49.8	68.9	7320	
	131.50.4500																	25	4895	193	56.5	78.3		

133/134 series, with an internal gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φ can change to tapped hole,tooth wide can change to H-h
3. The tangential tooth force in the form is the max tooth force,the nominal tangential tooth force is 1/2 of the max one.
4. Addendum reduction coefficient is 0.2



NO.	Inner Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Normalizi ng Z 10 ⁴ N	Quenchin g T 10 ⁴ N			
1	133.25.500	634	366	148	598	402	24	18	M16	32	4	474	463	10	32	80	0.5	5	337	68	5	6.7	224		
	134.25.500																	6	338.4	57	6	8			
2	133.25.560	694	426	148	658	462	24	18	M16	32	4	534	523	10	32	80	0.5	5	397	80	5	6.7	240		
	134.25.560																	6	398.4	67	6	8			
3	133.25.630	764	496	148	728	532	28	18	M16	32	4	604	593	10	32	80	0.5	6	458.4	77	6	8	270		
	134.25.630																	8	459.2	58	8	11			
4	133.25.710	844	576	148	808	612	28	18	M16	32	4	684	673	10	32	80	0.5	6	536.4	90	6	8	300		
	134.25.710																	8	539.2	68	8	11			
5	133.32.800	964	636	182	920	680	36	22	M20	40	4	770	759	10	40	120	0.5	8	595.2	75	12.1	16.7	500		
	134.32.800																	10	594	60	15.1	20.9			
6	133.32.900	1064	736	182	1020	780	36	22	M20	40	4	870	859	10	40	120	0.5	8	691.2	87	12.1	16.7	600		
	134.32.900																	10	694	70	15.1	20.9			
7	133.32.1000	1164	836	182	1120	880	40	22	M20	40	5	970	959	10	40	120	0.5	10	784	79	15.1	20.9	680		
	134.32.1000																	12	784.8	66	18.1	25.1			
8	133.32.1120	1284	956	182	1240	1000	40	22	M20	40	5	1090	1079	10	40	120	0.5	10	904	91	15.1	20.9	820		
	134.32.1120																	12	904.8	76	18.1	25.1			
9	133.40.1250	1445	1055	220	1393	1107	45	26	M24	48	5	1213	1200	10	50	150	0.5	12	988.8	83	22.9	31.4	1200		
	134.40.1250																	14	985.6	71	26.3	36.6			
10	133.40.1400	1595	1205	220	1543	1257	45	26	M24	48	5	1363	1350	10	50	150	0.5	12	1144.8	96	22.9	31.4	1300		
	134.40.1400																	14	1139.6	82	26.3	36.6			

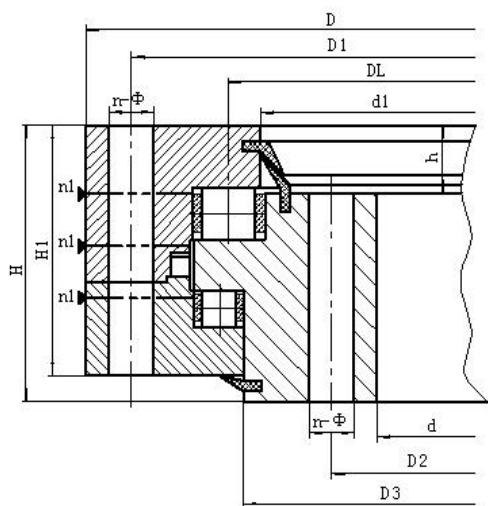
133/134 series, with an internal gear

NO.	Inner Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions						Gear data						Gear circumferential force		weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	Φ mm	dm mm	L mm	n1	D3 mm	d1 mm	H1 mm	h mm	b mm	x	m mm	De mm	z	Normalizi ng Z 10°N	Quenchin g T 10°N			
11	133.40.1600	1795	1405	220	1743	1457	48	26	M24	48	6	1563	1550	10	50	150	0.5	14	1335.6	96	26.3	36.6	1520		
	134.40.1600																	16	1334.4	84	30.2	41.7			
12	133.40.1800	1995	1605	220	1943	1657	48	26	M24	48	6	1763	1750	10	50	150	0.5	14	1531.6	110	26.3	36.6	1750		
	134.40.1800																	16	1526.4	96	30.2	41.7			
13	133.45.2000	2221	1779	231	2155	1845	60	33	M30	60	6	1967	1945	12	54	160	0.5	16	1702.4	107	32.2	44.5	2400		
	134.45.2000																	18	1699.2	95	36.2	50.1			
14	133.45.2240	2461	2019	231	2395	2085	60	33	M30	60	6	2207	2185	12	54	160	0.5	16	1926.4	121	32.2	44.5	2700		
	134.45.2240																	18	1933.2	108	36.2	50.1			
15	133.45.2500	2721	2279	231	2655	2345	72	33	M30	60	8	2467	2445	12	54	160	0.5	18	2185.2	122	36.2	50.1	3000		
	134.45.2500																	20	2188	110	40.2	55.6			
16	133.45.2800	3021	2579	231	2955	2645	72	33	M30	60	8	2767	2745	12	54	160	0.5	18	2491.2	139	36.2	50.1	3400		
	134.45.2800																	20	2488	125	40.2	55.6			
17	133.50.3150	3432	2868	270	3342	2958	72	45	M42	84	8	3104	3090	12	65	180	0.5	20	2768	139	45.2	62.6	5000		
	134.50.3150																	22	2758.8	126	49.8	68.9			
18	131.50.3550	3832	3268	270	3742	3358	72	45	M42	84	8	3504	3490	258	65	180	0.5	20	3168	159	45.2	62.6	5680		
	132.50.3550																	22	3154.8	144	49.8	68.9			
19	131.50.4000	4282	3718	270	4192	3808	80	45	M42	84	8	3954	3940	258	65	180	0.5	22	3616.8	165	56.5	68.9	6470		
	132.50.4000																	25	3610	145	56.5	78.3			
20	131.50.4500	4782	4218	270	4692	4308	80	45	M42	84	8	4454	4440	258	65	180	0.5	22	4122.8	188	49.8	68.9	7320		
	132.50.4500																	25	4110	165	56.5	78.3			

130 series, without a gear

NOTE:

1. n1 is the nos of lubricating holes.Oil cup M10×1JB/T7940.1 ~ JB/T7940.2.
2. Mounting hole n-φ can change to tapped hole



NO.	Non Gear DL mm	Dimensions			Mounting dimensions						Structural dimensions					weight kg
		D mm	d mm	H mm	D1 mm	D2 mm	n	φ mm	dm mm	L mm	D3 mm	d1 mm	n1	H1 mm	h mm	
1	130.25.500	634	366	148	598	402	24	18	M16	32	474	463	4	10	32	224
2	130.25.560	694	426	148	658	462	24	18	M16	32	534	523	4	10	32	240
3	130.25.630	764	496	148	728	532	28	18	M16	32	604	593	4	10	32	270
4	130.25.710	844	576	148	808	612	28	18	M16	32	684	673	4	10	32	300
5	130.32.800	964	636	182	920	680	36	22	M20	40	770	759	4	10	40	500
6	130.32.900	1064	736	182	1020	780	36	22	M20	40	870	859	4	10	40	600
7	130.32.1000	1164	836	182	1120	880	40	22	M20	40	970	959	5	10	40	680
8	130.32.1120	1284	956	182	1240	1000	40	22	M20	40	1090	1079	5	10	40	820
9	130.40.1250	1445	1055	220	1393	1107	45	26	M24	48	1213	1200	5	10	50	1200
10	130.40.1400	1595	1205	220	1543	1257	45	26	M24	48	1363	1350	5	10	50	1300
11	130.40.1600	1795	1405	220	1743	1457	48	26	M24	48	1563	1550	6	10	50	1520
12	130.40.1800	1995	1605	220	1943	1657	48	26	M24	48	1763	1750	6	10	50	1750
13	130.45.2000	2221	1779	231	2155	1845	60	33	M30	60	1967	1945	6	12	54	2400
14	130.45.2240	2461	2019	231	2395	2085	60	33	M30	60	2207	2185	6	12	54	2700
15	130.45.2500	2721	2279	231	2655	2345	72	33	M30	60	2467	2445	8	12	54	3000
16	130.45.2800	3021	2579	231	2955	2645	72	33	M30	60	2767	2745	8	12	54	3400
17	130.50.3150	3432	2868	270	3342	2958	72	45	M42	84	3104	3090	8	12	65	5000
18	130.50.3550	3268	3268	270	3742	3358	72	45	M42	84	3504	3490	8	258	65	5680
19	130.50.4000	4282	3718	270	4192	3808	80	45	M42	84	3954	3940	8	258	65	6470
20	130.50.4500	4782	4218	270	4692	4308	80	45	M42	84	4454	4440	8	258	65	7320



MERYDOM SLEWING BEARING

cnslewingring.com

Manufacturing Factory

No. 1, Kunlun Road, Tongshan New District, Xuzhou City, Jiangsu Province

Trading Company

Room 915, Building 1, Galaxy Bay Computer City, Tianning District, Changzhou City, Jiangsu Province

Mail

jovi@cnslewingring.com andi.cao@cnslewingring.com

Mobile Phone & WhatsApp

+86 177 0520 1170 +86 159 6118 1186