# SOME IMPORTANT SLEWING RING MANUFACTURES IN CHINA

China now become one of the largest markets for various kinds of construction machineries, such as tower cranes, excavators, mobile cranes, other types of cranes, piling machines, and truck-mounted concrete pumps because of fast development of Chinese economy. The production capability of construction machineries in China has been rapidly increased in recent years.

There are a lot of Slewing Ring manufactures all around China, but most important and biggest ones are situated in Xuzhou, Jiangsu Province (Xuzhou is the largest construction machineries production base, in which most famous construction machineries manufactures are situated ), others are in Luoyang, Henan Province (Luoyang is the largest extra big size bearing production base, in which most famous extra big bearing manufactures are situated) , Changzhou, Jiangsu Province and Qingdao, Shandong Province.

Some manufactures are joint venture companies (like Xuzhou Rothe Erde Slewing Bearing Co., Ltd which is Joint Venture Company established between Rothe Erde GmbH of German ThyssenKrupp Technologies Group and Xuzhou Construction Machinery Group). These joint venture companies provide their standard and brand products with high quality, but with high price too. Some joint ventures companies are the manufacturing bases in China for their parent companies and only supply the slewing rings to the customers of their parent companies.

There are a lot of local Slewing Ring manufactures which can provide good quality products with their advanced machining centers and equipment needed to machine and treatment slewing rings. They supply their standard slewing rings, but also like to produce special slewing rings according to customer's drawing and requirements. But their production capability is limited, some can just provide small and medium size slewing rings, some can supply large size slewing rings with annual quantity less than one thousand pieces.

The Slewing Ring manufactures described in following are some very important Slewing rings suppliers both to international and domestic market.

# 1. Xuzhou Rothe Erde Slewing Bearing Co., Ltd

## **Brief Introduction:**

Xuzhou Rothe Erde Slewing Bearing Co., Ltd. (XREB) is the biggest manufacturer specialized in large diameter slewing bearings in China, whose products are widely used in engineering, manufacture, service and support, its steel ball plant also ranks among the top-ten biggest steel ball plants in China. XREB is a joint venture company established between Rothe Erde GmbH of German ThyssenKrupp

Technologies Group and Xuzhou Construction Machinery Group. The German Party holds 60% and the Chinese Party 40% of the shares.

★ On May 1st, 2002, the joint-venture company Xuzhou Rothe Erde Slewing Bearing Co., Ltd. was established. Rothe Erde GmbH of Germany holds 60% and Xuzhou Slewing Ring Bearing Co. of Xuzhou Construction Machinery Group (XCMG) holds 40% of the shares. All the operational assets related to slewing rings and steel balls products of Xuzhou Slewing Ring Bearing Co. were transferred to the joint-venture company.

 $\star$  In October 2004, a new advanced production line for high-end slewing bearings was commissioned in Wanzhai Plant of XREB.

★ In December 2004, the technical upgrading project on the existing Wanzhai slewing bearing plant of XREB was completed, which had lasted for two years. The equipment technology on the production lines was thus greatly improved, raising the product quality significantly.

★ In January 2006, the 1st phase of Jin Shanqiao Slewing Bearing Plant located in Xuzhou Economic Development Zone was completed, and the total investment will be fully realized in October 2007. The Jin Shanqiao Plant is an independent legal entity, i.e. "REX (Xuzhou) Slewing Bearing Co., Ltd.", but both the shareholders and the share ratio, production technology, the product quality and brand remain the same as Xuzhou Rothe Erde Slewing Bearing Co., Ltd.

#### **Contact:**

Xuzhou Rothe Erde Slewing Bearing Co., Ltd. Wanzhai, Northern Suburb, Xuzhou 221007, Jiangsu, China Tel: +86 516 87767170~87767174 Fax: +86 516 87768946 Sales e-mail: sales@xreb.com Web: http://www.xreb.com

## **Product:**

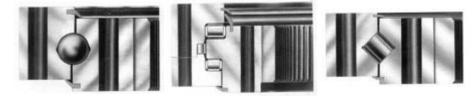
#### Large-Diameter Antifriction Bearing

We can produce six series of bearings with diameters ranging from 400mm to 5050mm.

Single-row four point contact ball series

Three-row roller series

Single-row crossed roller series



Double-row ball series

Roller & ball combination series Light type profile bearings



# 2. Socare Bearing Co., Ltd. Company

#### **Brief Introduction:**

Socare Bearing Co., Ltd. Company is the professional manufacturer of Slewing Bearings and the Big size Ball & Roller bearings.

Socare Bearing Co., Ltd. Company could manufacture and process various types Slewing Bearings with the dimensions from 100mm to 6000mm, including Thrust Ball bearings, Thrust Roller Bearings, Four Contact Ball Bearings, Double-row Ball Bearings, Crossed Roller Bearings, as well as the Ball & Roller combination bearings...Our products have been applied in various equipments such as Wind Power Generating Apparatus, Bucket Wheel Machine, Portal Crane and other Port Tower Cranes and Mine Heavy Machines, Metallurgy, National Defense Industry and other highly sophisticated equipments.

Socare Bearing Co., Ltd. Company adhere to 4Q business principles in our trades with customers all over the world: Quality products, Quality service, Quality people, Quality price. And "Customer First, Service Foremost" is our objective!

#### **Contact:**

Company Name: Company Address: City/Province: Country/Region: Zip/Postal Code:	Socare Bearing Co., Ltd. Room202-2-35, Meian New Community, Shimeian Industrial Zone, Qingdao, China Qingdao/Shandong China 266043
Telephone Number: Fax Number:	86-532-89885128 86-532-84832132
Fax Number:	80-332-84832132
Contact Person:	Mr. BingTin
Position:	Sales Director
Department:	Manage Depart.
Mobile:	86-15966845117
<b>Product:</b> (1. )Ring Bearing	

**Ring Bearing** 

Trademark:	socare								
Model:	100-6500mm								
Standard:	iso								
Productivity:	150sets/year								
Unit Price/Payment:FOB TSING TAO									

## (2.) Three-Row Roller Slewing Bearing



**Three-Row Roller Slewing Bearing** 

## **Product Description**

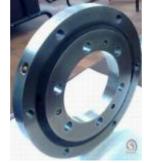
As SOCARE BEARING one main series, this kind of Slewing bearings are skilfully just as clay in the hand of potter.

This kind of Slewing bearing is one common type too, it is made up by three Rings (two separative outer ring and one inner ring), three-row rollers & Supports, with compact conformation, it can bear both Axdial & Radial load and the moment at the same time. It is the one kind of Slewing Bearing which can bear the most loads. It often be used on heavy duty machines which require large working diameter, the Bucket wheel excavators, wheeled cranes, deck cranes, steel transporters, heavy duty mobile cranes etc.

The dimension scope for SOCARE BEARING is from 500mm to 6500mm. The forgings are from the professional forging plants with power facility and timely delivery time, and we will supply you the Material Test Certificate and the finished products Test Report.

Trademark:SOCAREModel:1000-6500MMStandard:ISOProductivity:100SETS/YEARUnit Price/Payment:FOB TSING TAO/T/T

## (3.) Four-Point Contact Ball Slewing Ring Bearing



## Four-Point Contact Ball Slewing Ring Bearing

#### **Product Description**

As SOCARE BEARING one main series, this kind of Slewing bearings are skillfully just as clay in the hand of potter.

This kind of Slewing bearing is the most common type, it is made up by two Rings, Balls & Supports, with compact conformation, light weight, the Steel Balls are Four Point Contacting with the arc Raceway, it can bear both Axial & Radial load and the moment at the same time.

It often be used on Rotary Reclaimers, Welding Manipulator, Small and middle

Cranes and excavators. And some Tower Cranes of ship use it too. The dimension scope of SOCARE BEARING is from 100mm to 4000mm, in large amounts, the kind of Slewing bearing dimension always be less than 4000mm. The forgings are from the professional forging plants with power facility and timely delivery time, and we will supply you the Material Test Certificate and the finished products Test Report.

Trademark:	SOCARE										
Model:	6500MM										
Standard:	ISO										
<b>Productivity:</b>	1000SET/YEAR										
Unit Price/Payment:FOB TSING TAO/T/T											

## (4.) Slewing Bearing with Special Craft



**Slewing Bearing with Special Craft** 

O spray grease on the bearing for lubricate and do anti-corrosion by this way (Metal Hot Spray) are completely diiferent, to spray grease on the bearing for lubricate is one basic procedure to avoid the bearing rusted, and all bearings will be done after finished. But our anti-corrosion is with first-rate technology and can stop the ocean water corrode, also can defeat the ocean wet wind.

In fact, if the bearing used on port equipments or equipments near ocean, as well as the ship crane, they all need special anti-corrosion to resist the corrosive material (water, wet wind, corrosive gas...), and the anti-corossion can be effective for as long as about 20 years.

In fact, the anti-corrosion technology is for our military project, and be put in bearing industry use only 2-3 year, and the achievements is wonderful.

So, if your bearings will be installed onto the Port Equipments or Ships, or somewhere with corrosive material, this anti-corrosion process will be helpful for you.

Trademark:	SCOARE
Model:	100-6500MM
Standard:	ISO
Productivity:	100SETS/YEAR
Unit Price/Payment:	FOB TSING TAO

# (5.) Cross Roller Slewing Bearings



# **Cross Roller Slewing Bearings**

As SOCARE BEARING another one main series, this kind of Slewing bearings are skilfully for us too.

This kind of Slewing bearing is also the most common type, it is made up by two Rings, Rollers & Support blocks, with compact conformation, light weight, high precision, it can bear both Axial& Bigger Radial load and the moment at the same time.

It often be used on hoisting and transporting equipments, and the military projects.

The dimension scope for SOCARE BEARING is from 100mm to 4000mm, in large amounts, the kind of Slewing bearing dimension always be less than 4000mm.

The forgings are from the professional forging plants with power facility and timely delivery time, and we will supply you the Material Test Certificate and the finished products Test Report.

Trademark:SOCAREModel:100-6500MMStandard:ISOUnit Price/Payment:T/T

# 3. JiangSu Ruite Slewing Ring Co., Ltd

#### **Brief Introduction:**

JiangSu Ruite slewing Ring Co., Ltd. is located in the Changzhou Hi-tech Industry Development Zone of Jiangsu Province in China. It is a manufacturer specializing in design and production of rotary support widely applied in the fields of engineering crane, metallurgical, mine mechanical, wind power, light industry and petrochemical industry. The products include four series – single-row global structure, two-row global structure, three-row column structure and crossed roller structure. The series products are provided in accordance with the national construction industry standard including JG/T66-1999, JG/T67-1999, JG/T68-1999 and the national machine building industry standards JB/T2300-1999. All kinds of non-standard rotary support products can be also designed and produced in accordance with the customers' drawing requirements.

#### **Aim of Ruite Enterprise**

**Technology:** To continue to innovate in order to make the design performance of Ruite rotary support conforming to the international level;

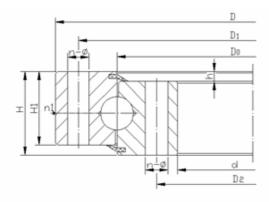
**Manufacture:** To apply the CNC equipment and advanced process for each procedure and inspect quality of product in 100% before delivery in order to make Ruite rotary support have excellent quality;

**Management:** To carry out the modern and scientific management for the whole process of manufacture in order to make each step of production be traceable;

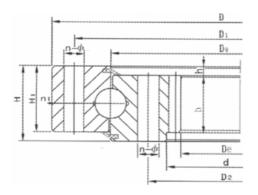
**Service:** To satisfy the customer's requirement with an electorate design and an exquisite workmanship in order to provide high quality rotary support products with wholehearted service;

#### **Contact:**

Add:No.16 Mid. Huashan Road New North District Changzhou City Tel: Technical: 0519-85162078 Sale: 0519-85162978 (Tel) 0519-85157286 (Fax) After-Service: 0519-85162978 E-mail: rt@js-rt.com

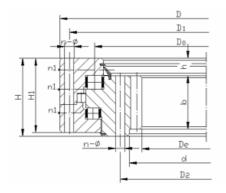


Single-Row Ball Slewing Ring bearing(Standard SeriesQ)

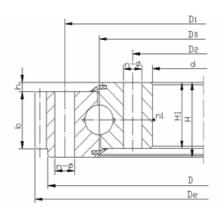


Single-Row Ball Slewing Ring

bearing(Standard Series01)

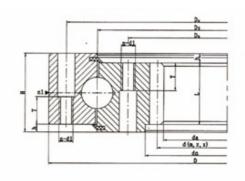


Thre-row rollers Slewing Bearing Standard Series (Standard SeriesS)



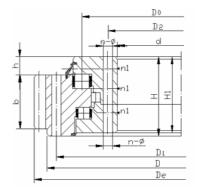
Single-Row Ball Slewing Ring bearing(Standard

SeriesHS)



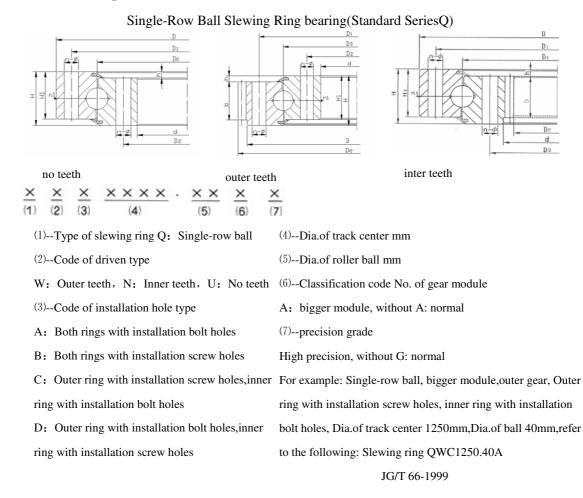
Single-Row Ball Slewing Ring

bearing(Standard SeriesHS)



Thre-row rollers Slewing Bearing Standard Series (Standard Series13)

#### **Product Example and Technical Data:**



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		C	onfigu	e	Mounting Size							Structure size			Gear Data		outer teeth		inner teeth		ght		
																		Parameter		Demonstern			
																		Paran	heter	Parameter			
											Thread												
Num. Basic Size	Basic Size									bore													
		teeth			inner teeth		D1				bore B.C.D		<b>n</b> <sub>1</sub>	$H_1$	h			X=-0.5		X=+0.5		outer	inner
				tee				D2	n	А						b	m					teeth	teeth
										tune	typ	<u> </u>										kg	kg
										type	type											кg	кg
No.	QU.QW.QNSeries	D	d	D	d					φ	φ	Т						De	Ζ	De	Z		
	315.20																3	423	140	207	70	35	34
1	515.20	406	222	408	224	60	370	260	10	17	M16	24	2	50	10	40	5	723	140	207	10	35	54
	315.20A																4	428	106	200	51	36	35
	355.20						410						2		10	40	3	462	153	246	84	40	39
2	555.20	446	262	448	264	60		300	10	17	M16	24		50			5	+02	155	240	04	40	59
	355.20A																4	468	116	240	61	41	40
	400.20																4	512	127	288	73	45	44
3	400.20	490	307	493	310	60	455	345	12	17	M16	24	2	50	10	40	4	512	127	200	15	45	-++
	400.20A								12								5	520	103	280	57	47	46
	450.20																4	564	140	336	85	51	50
4	430.20	540	357	543	360	60	505	395	12	17	M16	24	2	50	10	40	4	504	140	550	0.0	51	50

JG/T66-1999(JJ36.1-91) Basic data

	150.001	]															_						
	450.20A																5	570	113	330	67	43	52
5	500.20	590	407	593	410	60	555	445	14	17	M16	24	2	50	10	40	5	615	122	385	78	56	55
	500.20A																6	624	103	378	64	58	57
6	560.20	654	464	656	468	70	618	502	14	17	M16	30	2	60	10	50	4	680	169	440	111	78	76
	560.20A																5	685	136	435	88	79	77
7	630.20	724	534	726	538	70	688	572	16	17	M16	30	2	60	10	50	4	748	186	512	129	86	84
	630.20A																5	755	150	505	102	88	86
8	710.20	804	614	806	618	70	768	652	18	17	M16	30	2	60	10	50	5	835	166	585	118	99	97
	710.20A																6	840	139	582	98	101	97
9	800.20	894	704	896	708	70	858	742	20	17	M16	30	2	60	10	50	6	930	154	672	113	114	110
	800.20A	0,7 .	/ .	070				,	20				_		10	50	8	936	116	664	84	114	111
10	800.25	904	692	908	694	78	864	736	118	22	M20	36	2	68	10	58	6	942	156	654	110	143	142
10	800.25A	201	072	200	0,1	10	001	/30	10		11120	50	2	00	10	50	8	952	118	648	82	147	142
11	900.25	1004	792	1008	704	78	064	836		22	M20	36	2	68	10	58	8	1048	130	744	94	162	163
	900.25A	1004	192	1008	794	70	904	850	20	22	10120	50	2	00	10	50	10	1060	105	740	75	168	162
10	1000.25	1104	802	1100	20.4	70	1064	0.26		22	MOO	26		60	10	50	8	1152	143	848	107	182	178
12	1000.25A	1104	892	1108	894	/8	1064	930	24	22	M20	36	2	68	10	58	10	1160	115	840	85	185	179
12	1000.32	1100	076	1104	000		1074	0.00		24	MOO	40		00	10	70	8	1160	144	832	105	227	230
13	1000.32A	1120	876	1124	880	90	1074	926	24	24	M22	40	2	80	10	70	10	1170	116	830	84	232	227
	1120.32	1.0.40	0.00	1.0.1.1	1000		1104	1046		~ (	1 (22)	10			10	-	10	1300	129	940	95	272	263
14	1120.32A	1240	996	1244	1000	90	1194	1046	28	24	M22	40	4	80	10	70	12	1308	108	936	79	275	262
	1250.32																10	1430	142	1070	108	302	294
15	1250.32A	1370	1126	1374	1130	90	1324	1176	32	24	M22	40	4	80	10	70	12	1440	119	1068	90	309	290
	1400.32																12	1584	131	1212	102	337	333
16	1400.32A	1520	1276	1524	1280	90	1474	1326	36	24	M22	40	4	80	10	70	14	1596	113	1204	87	347	336
	1250.40																10	1450	144	1050	106	396	388
17	1250.40A	1390	1108	1394	1110	102	1336	1164	32	26	M24	45	4	90	12	80	12	1452	120	1044	88	392	388
	1400.40																12	1608	133	1188	100	448	444
18	1400.40A	1540	1258	1544	1260	102	1486	1314	36	26	M24	45	4	90	12	80	14	1610	114	1190	86	443	434
	1600.40																12	1812	150	1392	117	528	509
19	1600.40A	1740	1458	1744	1460	102	1686	1514	40	26	M24	45	4	90	12	80	14	1820	129	1386		534	511
	1800.40																14	2016		1582	114	583	576
20	1800.40A	1940	1658	1944	1660	102	1886	1714	44	26	M24	45	4	90	12	80	16	2010	126	1568	99	607	591
	1600.50																10	1824		1368	115	714	714
21	1600.50A	1762	1434	1766	1438	124	1704	1496	40	30	M27	50	4	112	12	100	12	1834	131	1358	98	727	723
	1800.50																14	2044	145		113	845	794
22		1964	1634	1966	1638	124	1904	1696	44	30	M27	50	4	112	12	100				1568			
	1800.50A																16	2048	127	1552	98	843	818

	2000.50																16	2240	139	1760	111	912	891
23	2000.50A	2162	1834	2166	1842	124	2104	1896	648	30	M27	50	6	112	12	100	18	2250	124	1746	98	927	913
	2240.50																16	2480	154	1984	125	1020	1044
24	2240.50A	2402	2074	2406	2078	124	2344	2136	54	30	M27	50	6	112	12	100	18	2502	138	1980	111	1078	1041
	2500.50		2334														18	2754	152	2250	126	1171	1132
25	2500.50A	2662		2666	2342	124	2604	2396	60	30	M27	50	6	112	12	100	18	2760	137	2240	113	1175	1148
26	2500.60																18	2790	154	2214	124	1677	1621
2500.60A	20	2696	2304	2696	2308	150	2626	2374	60	33	M30	56	6	136	14	122	20	2800	139	2200	111	1701	1654

# 4. Xuzhou Aosen Slewing Bearing Co.,Ltd

## **Brief Introduction:**

Xuzhou Aosen Slewing Bearing Co., Ltd is located in Yunlong District, Xuzhou. It is the specialize company which design, develop and manufacture slewing ring bearings.

Main products are five series of slewing ring bearings: single-row spherical type, double-row spherical type, three-row spherical type, three-row rolling type and crossover rolling type. They are applied for all standards or non-standards specification ranged 195-3550mm. Aosen brand slewing ring bearings are used allover the country in excavators, truck cranes, tower cranes, environment protection machines and light industrial machines, but also exported to USA, Germany, India, Australia, Singapore, Spain etc.

Xuzhou Aosen Slewing Bearing Co., Ltd have the most advanced machine tools: NC lathe, NC sharpener, NC polar coordinate drill and NC slewing polar coordinate drill., and have the good machines and technicians which make our company grow up faster.

## **Contact:**

Add: YUNLONG Section Luotuoshan, Xuzhou. Jiangsu Province Tel: +86-516-83668799 83667318 Fax: +86-516-83667328 Zip code: 221004 E-mail :xabc.china@163.com; sales@xabc.cn

# 5. Luoyang Zhuanpan Slewing Ring Co,Ltd.(LYZP)

## **Brief Introduction:**

Luoyang Zhuanpan Slewing Ring Co,Ltd.(LYZP) is a manufacturer specialized in producing extra large bearings(diameter between400mm-5000mm), slewing bearings as well as non-standard special bearings.

The products are widely used in wind-power equipment, metallurgical and mining equipments, offshore equipments, construction machinery engineering machinery, etc..

#### **Products:**

#### ·slewing ring

single-row ball slewing ring
two-row ball slewing ring
cross-rolling pole slewing ring
three-row pole slewing ring



# Name: single-row ball slewing ring



## Name: two-row ball slewing ring



# Name: three-row pole slewing ring



Name: cross-rolling pole slewing ring



# **Contact:**

Address: Zhongzhou West Road No.111,Luoyang,Henan Province Telephone: 86-379-64912018 Fax: 86-379-64812665 Email: lyzpzc@gmail.com