

JRZC®

Slewing Bearing

Wafangdian Jinrui Bearing Manufacturing Co., Ltd.



Application

Our slewing bearings are widely used in mining and metallurgical machinery, oil and chemical industry, construction machinery, wind power equipments, port machinery, high-precision radar and missile launchers, aerospace and some other fields.

JinRui Bearing

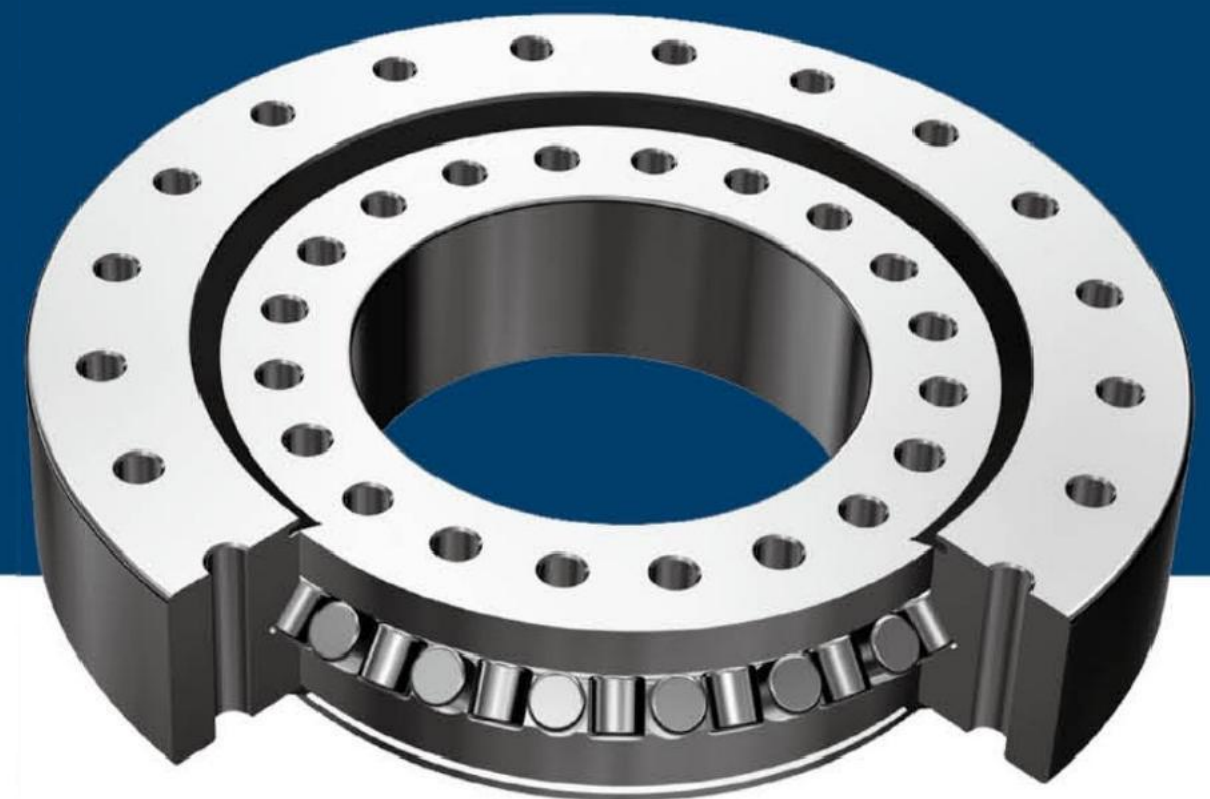
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DIAMETER FROM 100 TO 1000MM



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ENTERPRISE Introduction))

Wafangdian Jinrui Bearing Manufacturing Co., Ltd. is a professional manufacturer of slewing bearings, extra large bearings, non-standard bearings and wind power bearings which has the advanced ability of researching and developing slewing bearings and special bearings.

The featured products are slewing bearings for port machinery, hoisting machinery and stacker-reclaimers, wind power bearings, rolling mill bearings and etc. We can offer such series of bearings with diameters from 100 mm to 7800 mm and accuracy class of P0, P6 and P5. We have achieved ISO 9001:2008 Certification and began to export large turntable bearings in 2003, which are favoured by our customers.

The main instruments of our company are as follows: 6.3 meter, 5 meter, 4 meter, 2.5 meter and 1.6 meter huge CNC vertical lathes, 5 meter huge teeth-miller, 3.5 meter universal grinder, 5 meter CNC hardening machine, 3 meter plano drilling machine, testing bed with 6 meter length and 4 meter width, large bridge leveling ruler and etc. Our kinds of advanced test machines can match bearings test with different accuracy classes types and special requests. All products are inspected according to the current national standards strictly to make multiple technology indicators of bearings reach or exceed the national standards.

Our company supplies slewing ring with inner gear, external gear and non gear. Warmly welcome you to visit our new factory and hope to cooperate with you in near future.

JRZC®

Wafangdian Jinrui Bearing Manufacturing Co., Ltd.



Ptolrct TrtronrcTon

According to customer requirement and working condition,LYJW can design and produce various kinds of special bearing,which can meet customer requirement.



Double-Row Ball Slewing Bearing



This slewing bearing is comprised of double row steel balls in upper and lower layers,inner ring and outer ring, spacer,lubricating and seal fittings. The inner ring and outer ring are in two separate structures and two half rings need to be fixed by joint bolts. Due to the upper and lower rows of steel balls,the bearing can carry radial force,axial force and tilting moment simultaneously.Mostly,the bearing is working under axial force and tilting moment together. It is especially suitable for some Loading&Unloading Machines of over-medium diameter,such as Tower Crane,Truck crane and so on.

Four-Point Contact Ball Slewing Bearing



Four-Point Contact Ball Slewing Bearing is composed of 2 seat-rings.It is compact in design and light in weight. The balls contact with the circular race at four points, which carry the axial force, radial force and resultant moment simultaneously. It is mainly used for slewing conveyors,welding arm and positioner, medium duty cranes,excavators and other engineering machines.



Ball and Roller Combination Slewing Bearing



The ball and roller combination of rolling elements can handle small eccentricities at high axial loads and moderate radial loads.It is suited when the structural design requires a large bearing diameter and long working life.For this bearing type,the eccentricity should be small and not exceed 1.2 under operating loads.

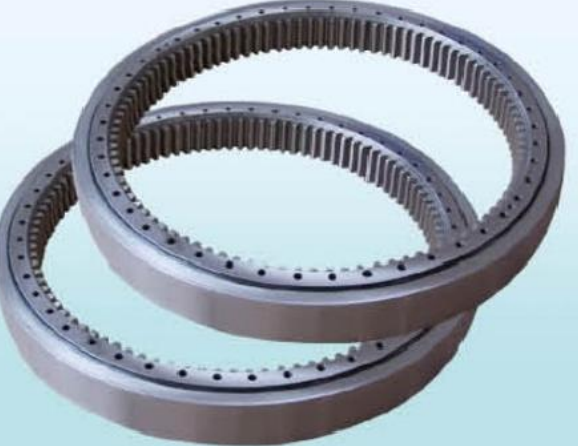




Cross Roller Slewing Bearing



The single-row crossed roller slewing bearing is composed of 2 seat-rings,characterized by its compact in design,light in weight,strict producing accuracy,small fabrication gap and high requirements for mounting accuracy.The rollers are arranged in cross 1:1. This kind of bearings is able to bear axial loads,overturning torque, and relatively high radial loads.



Double-Row Ball With Different Diameter Bearing



Double-row different diameter ball slewing bearing has three seats rings.The steel balls and the spacers may be directly arranged into the upper and lower raceways.Two rows of steel balls with different diameters are fitted according to the load.Such open mode fitting features are very convenient.The load angles of both upper and lower races are 90°,which enable the bearing to bear large axial force and the overturning moment.When the radial force is larger than 1/10 of the axial force,the raceways should be especially designed.The axial dimension and radial dimension of double-row ball slewing bearing are rather large,and the bearing construction is sturdy.

Three-Row Roller Slewing Bearing



Three-Row Roller Slewing Ring has 3 seat-rings,Upper Orbit, Nether Orbit and Radial Orbit are separated individually,it makes the load of each row of the rollers can be confirmed, so it can undertake all kinds of different load simultaneously and it's Carrying Capacity is the biggest among four models,one more thing,the axial &radial size are rather large to some extent and the structure is very firm,so it is especially suitable for many heavy-duty machines which require bigger diameter such as Bucket-Wheel Excavator,wheeled Crane, Shipyard Crane,heavy-duty Truck Crane and so on.



Product Introduction

According to customer requirement and working condition,JRZC can design and produce various kinds of special bearing,which can meet customer requirement.



Split Tapered Roller Bearing



Sealed Four-row Tapered Roller Bearing



Precision Turntable Bearing



Four-row Tapered Roller Bearing



Thrust Tapered Roller Bearing



Tapered roller bearing



Double-deck Spherical Roller Bearing



Angular Contact Ball Bearing



Crossed Roller Bearing for Robots

Basic Technology

One: Rough Detection

- 1.Test the material of rough and its state after forging,inspecting whether there are lamination,cracks and any other defect in rough.
- 2.Measure all the dimensions of rough,calculate manufacture allowance and estimate the number of turning exactly.

Two: Turning

- 1.Lathe Rough
Lathe rough according to the drawings.
- 2.Lathe Rough Aging
After lathing rough of the bearing parts,keep them on three-points,be flat(don't superposer)and then go on aging treatment (not less than 48 hours)in order to eliminate the internal stress caused in the process of rough turning and prevent serious deformations.
- 3.Molding And Turning
After bearing parts molding and turing,in order to prevent serious deformations,we must release parts fixed device to make bearing parts in stress-free state,looking for the correct position again and press on with it.
- 4.Special technology of inner ring with crossed,three-row roller slewing bearing
In order to prevent deformation of crossed,three-row roller slewing bearing after inner ring heat-treatment in the turning process,we must process them in pairs,cutting and shaping after heat-treatment.

Three: Heat-treatment

Surface of bearing raceway intermediate frequency quenching, hardness should not be less than 55HRC,depth of hardened layer should not not less than 4mm,soft zone width should not less than 50mm,then mark"S"at the corresponding position.

Four: Gear Processing

Slewing Bearing with internal and external teeth should be done gear milling before grinding process strictly according to the technological requirements and precision grade reached requirements.

Five: Drilling

Fixing the position according to the drawings and inspecting dimensions correctly and then drilling mounting holes in slewing bearing which the inner ring and outer ring separated must be combined together to process and the interval must be 180°from soft zone,distance tolerances between mounting holes should not be over than 0.5mm





Six:Grinding

1.Rough Grinding:We use adamantine spar,soft three particle 36°gross blow hole resin grinding wheel to grind and linear speed is controled in 1500 rev/min to prevent raceway from burning.The maximum depth will not be over than 1mm.

2.Final Grinding

Apply the particle 46°or 60°resin grinding wheel to grind,grinding allowance will be smaller than rough grinding process.Smooth and dimensions should meet all the requirements according to the drawings.

Seven:Assembling

1.Adjust clearance:We will take trial assembly after grinding so as to test initial clearance.Go on final grinding process according to calculation data and initial clearance and then obtain the final clearance should be matched with requirements of the drawings.

2.Parts Inspecting

After clearance finished,cleaning the bearing parts and then go on with final parts inspecting and record accordingly.

3.Package:

Pack products and offer relevant certificates.

Eight:File Verification

In order to help our customers understand slewing bearing internal quality and material source or some other technical data,we offer the technical data as following:

(1)Slewing Bearing Qualification

(2)Instruction For Installation And Usage Of Slewing Bearing

(3)Bearing Parts Material Qualification(Material Certification)

Code Method

JRZC Slewing Bearing has three methods to name their bearing code

1.Method I

The code use JB/T10471 <Rolling Bearing ---Slewing Bearing>Standard

1.1 Code Structure

Bearing Code consists of two parts--Basic Code and Suffix Code:

1.1.1 Basic Code

- The code is divided into three parts:Front,Middle and Back Parts
- Front Part:Structural type and transmission type,Table2.1~2.2;
 - Middle Part:Roller Diameter.If more than two rows of rolling element bearing,the roller diameter refers to the big one;
 - Back Part:Main force of raceway diameter of roller center.
 - When name the basic code,structure type and transmission typewrite Sequentially,use" ."to separate,Table 2.1.

(Table 2.1)

Type of Structure Code	Type of Structure
01	Four-Point Contact Ball Slewing Beaning
02	Four-Point Contact Ball Slewing Beaning
11	Crossed Cylindrical Roller Slewing Beaning
13	Three Row Cylindrical Roller Slewing Beaning

(Table 2.2)

Transmission Code	Transmission Type
0	non-gear type
1	Involute cylinder outer gear with small modulus
2	Involute cylinder outer gear with big modulus
3	Involute cylinder inner gear with small modulus
4	Involute cylinder inner gear with big modulus

1.1.2 Suffix Code

This code is added when the basic code changed,such as material and heat treatment methods,tolerance grade,size,packing,technical requirements,etc,Table 2.3

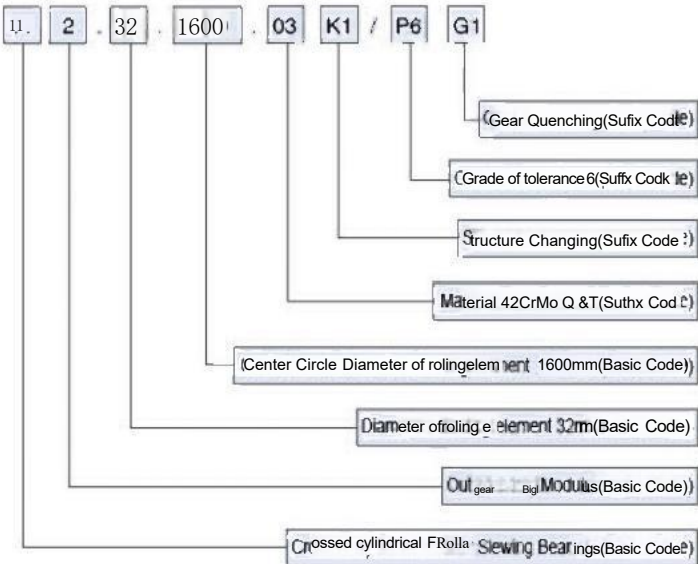
Material and heat treatment code according to Table 2.4,use" ."to separate,Picture 2.1.

When sealing,structure deformation technique requires change,use "K+the Arabic numeral",such as "K1","K2",its code and material code empty half Chinese characters kerning.

Tolerance grade has three levels:P0,P6,P5,from low precision to high precision,the code use "/"to the tolerance level 0 is not marked as usually.

When gear changed,if the parameters are changed or need gear surface quenching,etc,with a "G + the Arabic numeral",say the code and tolerance grade code empty half a word from Chinese characters,such as "G1".

Code Example



(Picture 2.1)

(Table 2.3)

Suffix Code arrangement(Later of Basic Code)			
	2	3	
Bearing Material	Sealed,Structure Modification,Technical requirement	Tolerance Classes	Gear Changing

(Table 2.4)

Code	03	04	11	12	13
Material	42CrMoQ&T	42CrMoN	50MnQ&T	50MnN	Other Material
T:Stand for material should be Q&T(Quenching and Tempering)Z:Stand for material should be N (Normal)					



2.Methodl

This code is according to national bearing standards code method,by the front-end code,the basic code and suffix code.Code structure.table 2.5.

(Table 2.5)

Bearing Code									
Prefix Code		Basic Code(Seven Arabic Numerals)							Suftx Code
Clearance Tranches	Accuracy Class	seven	Six	fve	four	three	two	one	
Arabic Numerals Stand for	Chinese Pinyin Stand for	Width Series	Structural Style		Type	Diameter Senies	ID Size		Chinese Pinyin and Numerals Stand for

Front-end Code

Tolerance grade are the three levels:P0,P6,P5,from low precision to high precision,the tolerance level 0 is not marked as usually.

Basic Code

Basic code consists of seven digits number,Table 2.6:

(Table 2.6)

Inner Diameter			
Inner Diameter d (mm)	Code Method	Example	
		Designations	inner Diameter(mm)
<500	1.quotient of inside diameter divided by 5 stand for 2.While inside diameter is decimal or be divided with remainder by five,use score,the denominator stand for the inner diameter size	79764	320
		797/496	496
		797/488.5	488.5
≥500	Use score,the denominator stand for the inner diameter size	787/800	800

Suffix Code

Slewing Bearing commonly used code,Table 2.7:

(Table 2.7)

Code	Definition
G2	42CrMo;••G2 stand for the material of Ring is 50Mn,If no code,the material of ring is 42CrMo
K1、K2••	The stucture is a lite different compared with the standard bearings.
M	Fnction moment requirement
Y、Y1、Y2••	Bearing techrical changing
	Special clearance

Method III

As to some nonstandard bearing symbols of LYJW,They are made from“JW”;“.”、“Diameter of rolling element +diameter of rotating center”

For Example:JWW-45.1400,show follows:

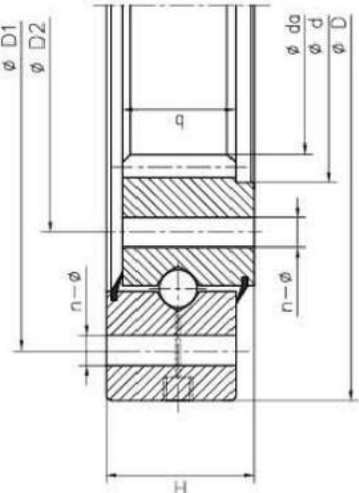
ompany of rotating cente

(Table 2.8)

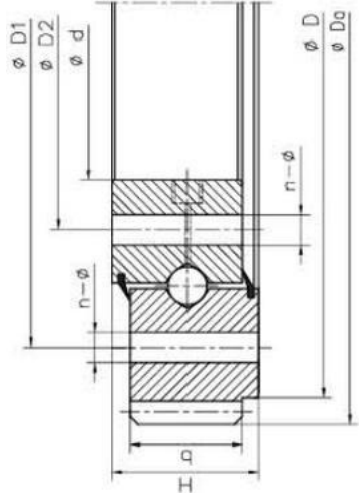
Transmission Type	non-gear type		external gear type		intenal gear type	
	Method 1	Method 2	Method 1	Method 2	Method 1	Method 2
Four-point contact Ball Slewing bearing	010	78000	011/012	178000	013/014	278000
Cross Roller Slewing beaning	110	79000	111/112	179000	113/114	279000
Double-Row Ball With Diferent Diameter Bearing	020	578000	021/022	678000	023/024	778000
Three-Row Roller Slewing Bearing	130	539000	131/132	639000	133/134	739000

Four-point contact Ball Slewing Bearing

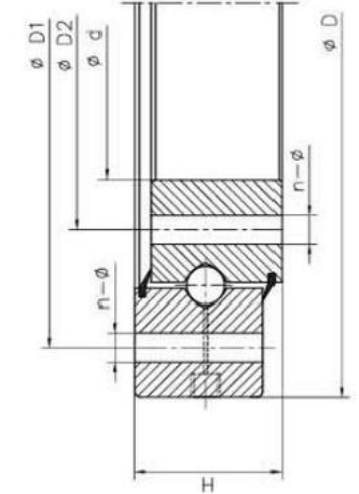
single Row four point Conact Bal slewing Bearing is made fom two rings, compact form, lieht in weieht, balls compact with the raceway by four points, single Row Four Point Contact Ball Slewing Bearing can bear axial force, radial force and overturning moment at the same time. Customers can select inner gear type or outer gear type single Row Four Point Contact Ball slewing Bearines according to the dinerent applications. It is easy to use and install. Single Row Four Point Contact Ball slewing bearings are widely used in Construction Machinerics, such as Rotary Transfer Machinics, Manipulators, Excavators and so



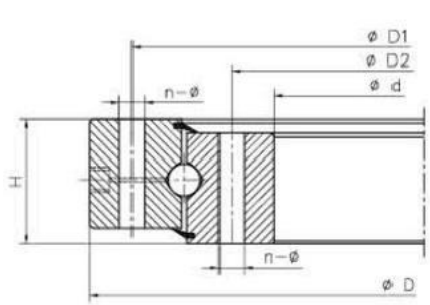
▲ Internal Gear



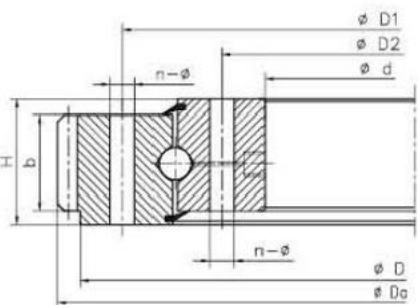
▲ External Gear



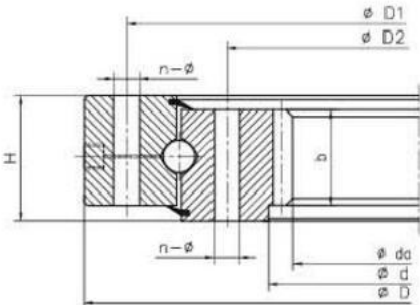
▲ No Gear



▲ No Gear



▲ External Gear



▲ Internal Gear

Technical Data:

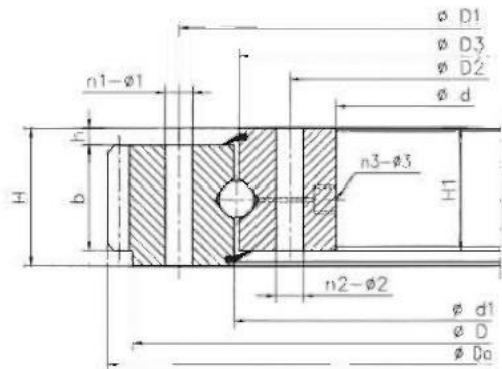
Designation			Dimensions			Mounting Hole Size				Gear Data							Basic oad ratings	Weight
No Gear	External Gear	Internal Gear	D	d	H	D1	D2	n	φ	m	Da	Z	da	Z	b	x	Coa 10kN	kg
010. 12. 120			170	70	40	148	90	6	10								13	4.8
010. 13. 178			240	90	36	214	116	8	10								20	9.24
010. 20. 200	011. 20. 200		280	120	60	248	152	12	16	3	300	98			40	0	33	20
010. 20. 224	011. 20. 224		304	144	60	272	176	12	16	3	321	105			40	0	38	22
010. 20. 250	011. 20. 250		330	170	60	298	202	18	16	4	352	86			40	0	42	25
010. 20. 280	011. 20. 280		360	200	60	328	232	18	16	4	384	94			40	0	49	28
010. 25. 315	011. 25. 315	013. 25. 315	408	222	70	372	258	20	18	5	435	85	190	40	50	0	76	43
010. 25. 355	011. 25. 355	013. 25. 355	448	262	70	412	298	20	18	5	475	93	235	49	50	0	81	49
010. 25. 400	011. 25. 400	013. 25. 400	493	307	70	457	343	20	18	6	528	86	276	48	50	0	96	55
010. 25. 450	011. 25. 450	013. 25. 450	543	357	70	507	393	20	18	6	576	94	324	56	50	0	112	64
010. 30. 500	011. 30. 500	013. 30. 500	602	398	80	566	434	20	18	5	630	123	365	74	60	0.5	129	75.8
	012. 30. 500	014. 30. 500	602	398	80	566	434	20	18	6	630	102	366	62	60	0.5	129	75.8
010. 30. 560	011. 30. 560	013. 30. 560	662	458	80	626	494	20	18	5	690	135	425	86	60	0.5	144	94
	012. 30. 560	014. 30. 560	662	458	80	626	494	20	18	6	690	112	427	72	60	0.5	144	94
010. 30. 630	011. 30. 630	013. 30. 630	732	528	80	696	564	24	18	6	774	126	492	83	60	0.5	187	110
	012. 30. 630	014. 30. 630	732	528	80	696	564	24	18	8	776	94	488	62	60	0.5	187	110
010. 30. 710	011. 30. 710	013. 30. 710	812	608	80	776	644	24	18	6	852	139	570	96	60	0.5	212	120
	012. 30. 710	014. 30. 710	812	608	80	776	644	24	18	8	856	104	568	72	60	0.5	212	120
010. 40. 800	011. 40. 800	013. 40. 800	922	678	100	878	722	30	22	8	968	118	632	80	80	0.5	313	256
	012. 40. 800	014. 40. 800	922	678	100	878	722	30	22	10	970	94	630	64	80	0.5	313	256

Technical Data:

Designation			Dimensions			Mounting Hole Size				Gear Data							Basic load ratings	Weight
No Gear	External Gear	Intemal Gea	D	d	H	DI	D2	n	φ	m	Da	Z	da	Z	b	x	Coa 10kN	kg
010. 40. 900	011. 40. 900	013. 40. 900	1022	778	100	978	822	30	22	8	1064	130	736	93	80	0.5	355	240
	012. 40. 900	014. 40. 900	1022	778	100	978	822	30	22	10	1070	104	730	74	80	0.5	355	240
010. 40. 1000	011. 40. 1000	013. 40. 1000	1122	878	100	1078	922	36	22	10	1190	116	820	83	80	0.5	39	305
	012. 40. 1000	014. 40. 1000	1122	878	100	1078	922	36	22	12	1188	96	816	69	80	0.5	394	305
010. 40. 1120	011. 40. 1120	013. 40. 1120	1242	998	100	1198	1042	36	22	10	1300	127	940	95	80	0.5	443	300
	012. 40. 1120	014. 40. 1120	1242	998	100	1198	1042	36	22	12	1308	106	936	79	80	0.5	443	300
010. 45. 1250	011. 45. 1250	013. 45. 1250	1390	1110	110	1337	1163	40	26	12	1452	118	1044	88	90	0.5	554	420
	012. 45. 1250	014. 45. 1250	1390	1110	110	337	1163	40	26	14	1456	101	1036	75	90	0.5	554	420
010. 45. 1400	011. 45. 1400	013. 45. 1400	1540	1260	110	1487	1313	40	26	12	1608	131	1188	100	90	0.5	617	480
	012. 45. 1400	014. 45. 1400	1540	1260	110	1487	1313	40	26	14	1610	112	1190	86	90	0.5	617	480
010. 45. 1600	011. 45. 1600	013. 45. 1600	1740	1460	110	1687	1513	45	26	14	1820	127	1386	100	90	0.5	702	550
	012. 45. 1600	014. 45. 1600	1740	1460	110	1687	1513	45	26	16	1824	111	1376	87	90	0.5	702	550
010. 45. 1800	011. 45. 1800	013. 45. 1800	1940	1660	110	1887	1713	45	26	14	2016	141	1568	113	90	0.5	793	610
	012. 45. 1800	014. 45. 1800	1940	1660	110	1887	1713	45	26	16	2016	123	1568	99	90	0.5	793	610
010. 60. 2000	011. 60. 2000	013. 60. 2000	2178	1825	144	2110	1891	48	33	16	2272	139	1728	109	120	0.5	1210	1100
	012. 60. 2000	014. 60. 2000	2178	1825	144	2110	1891	48	33	18	2268	123	1728	97	120	0.5	1210	1100
010. 60. 2240	011. 60. 2240	013. 60. 2240	2418	2065	144	2350	2131	48	33	16	2496	153	1984	125	120	0.5	1350	250
	012. 60. 2240	014. 60. 2240	2418	2065	144	2350	2131	48	33	18	2502	136	1980	111	120	0.5	1350	25
010. 60. 2500	011. 60. 2500	013. 60. 2500	2678	2325	144	2610	2391	56	33	18	2772	151	2232	125	120	0.5	1500	1400
	012. 60. 2500	014. 60. 2500	2678	2325	144	2610	2391	56	33	20	2780	136	2220	112	120	0.5	1500	140
010. 60. 2800	011. 60. 2800	013. 60. 2800	2978	2625	144	2910	2691	56	33	18	3078	168	2520	141	120	0.5	169	600
	012. 60. 2800	014. 60. 2800	2978	2625	144	2910	2691	56	33	20	3080	151	2520	127	120	0.5	1680	600
010. 75. 3150	011. 75. 3150	013. 75. 3150	3376	2922	174	3286	3014	56	45	20	3480	171	2820	142	150	0.5	2380	2800
	012. 75. 3150	014. 75. 3150	3376	2922	174	3286	3014	56	45	22	3476	155	2816	129	150	0.5	2380	2800
010. 75. 3550	011. 75. 3550	013. 75. 3550	3776	3322	174	3686	3414	56	45	20	3880	191	3220	162	150	0.5	2690	3200
	012. 75. 3550	014. 75. 3550	3776	3322	174	3686	3414	56	45	22	3894	174	3212	147	150	0.5	2690	3200
010. 75. 4000	011. 75. 4000	013. 75. 4000	4226	3772	174	4136	3864	60	45	22	4334	194	3652	167	150	0.5	3020	3600
	012. 75. 4000	014. 75. 4000	4226	3772	174	4136	3864	60	45	25	4350	171	3650	147	150	0.5	3020	3600
010. 75. 4500	011. 75. 4500	013. 75. 4500	4726	4272	174	4636	4364	60	45	22	4840	217	4158	190	150	0.5	3410	4000
	012. 75. 4500	014. 75. 4500	4726	4272	174	4636	4364	60	45	25	4850	191	4150	167	150	0.5	3410	4000

Four-point contact Ball Slewing Bearing

External Gear

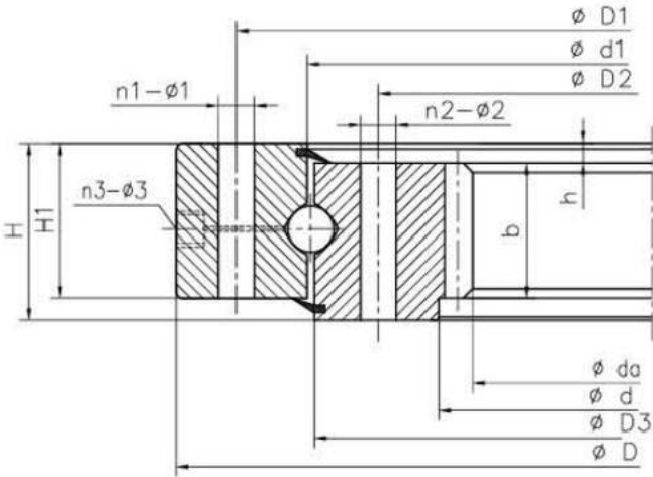


Technical Data:

Designation	Dimensions			Mounting Hole Size						Structure Dimensions						Gear Data					Basic Load Ratings	Weight
	D	d	H	DI	D2	n1	n2	φ 1	φ 2	D3	d1	Hi	h	n3	φ 3	m	Da	Z	b		Coa	kg
																					10KN	
D178794	604	470	77	630	500	18	18	M16	18	567.5	564.5	64	13	6	M10 x1	6	696	114	60	0	157	93.1
1787/600G	786	600	72	740	636	20	24	M18×2.5	19	689	691	60		4	TGIB	6	789	131	50	0	107	94.1
1787/674G2	853	674	70	825	709	34	23	20	M20	764	768	59	10	2	ZG1/Bin		889	25	50		183	89
11787/674G2K	853	674	70	R25	709	34	24	18	18	764	768	59	10		ZG1/8in		889	25	50		183	886
1787/710G2	804	710	67	845	744	8	8	M10	M10	798	806	58	9	3	M10x1	6	924	152	55	0	179	107
1787/710G2K	804	710	67	875	760	8	12	M10	M12	798	806	58	9	3	M10x1	6	924	152	55		179	107
1787/710G2K1	894	710	67	865	744	20	20	13	13	798	806	58	9	4	M10 x1		924	152	55		179	107
17878800G	1050	800	90	1012	838	30	30	20	20	923	927	76	16	3	M10x1		092	80	60	0	215	217
1787/800GK	1050	800	90	1012	838	30	30	20	20	923	927	76	16	3	M10x1	6	1092	180	60		215	217
1788/1040G2		040	80	1220	1080	30	30	M16	175	1153	1157	70	10			10	1314	25	70		297	251
1787/1060G	1335	1060	109	1295	1105	24	24	M20	22	198	1202	100		4	M8×1	10	1388	38	80	-0.6	501	407
1787/1075	1365	1075	120	1310	1130	36	36	26	26	1218	222	105	15	4	M8×1		424	76	90	0	463	463
787/1075K	365	1075	30	1310	1130	36	36	24	24	1218	1222	105	10			10	1420	40	20		463	550
1787/1075G2	1365	1075	20	1310	130	36	36	24	24	218	1222	105	15		M10 x1	10	425	38	90	1.4	463	463
1787/1075G2K	365	1075	120	1310	1130	36	36	M24	26	1218	1222	105	15	4	M8×1		424	76	90	0	463	463
1787/1330G2	1475	1330	82.4	1510	1362	24	24	18.5	185	1439	1445	70	12.4	6	M10x1	9	584	174	70	0	353	280
3—647G	1407	352	100	1370	404	18	13	M8	M10	390	1394	63		8	6	4.5	1449	320	60		216	143
1788/1410G2		1410	85	1590	454	36	36	M16	175	1524.6	1528.6	70	15			10	676	160	70		395	312
1787/1640G	205	1640	160	190	1710	30	30	28	28	1844	1856	140	20	2	M14×1.5	10	2108	210	105	-0.6	1118	1264
1787/1700	945	1700	120	1900	1750	24	24	M18	21	1825	1845	110	10	4	M10x1	5	1970	392	35	0	405	516
1789/1700GM	2052	1700	100	1980	1780	24	24	20	M18	1878	1882	90	10	4	M14×1.5		2080	414	50	0	551	678
1787/2650G2	2885	2650	100	2850	2700	48	48	M20	M20	2777	2781	80	10	6	ZG14/in	12	2950	244	80	0	913	751

Four-point contact Ball Slewing Bearing

Internal Gear

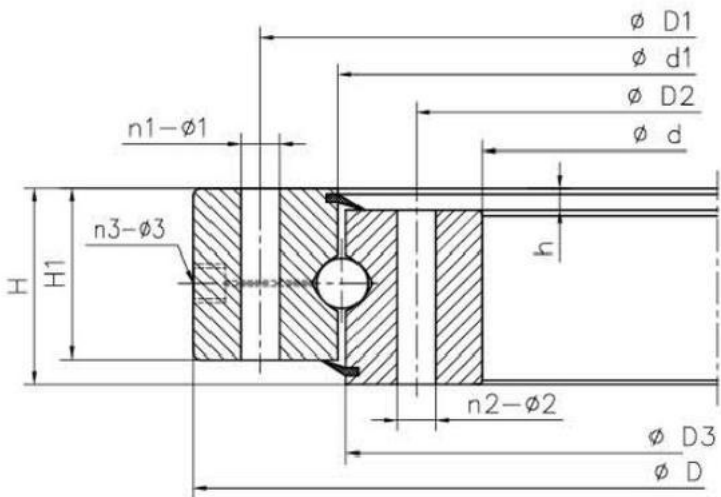


Technical Data:

Designation	Dimensions			Mounting Hole Size						Structure Dimensions						Gear Data					Basic Load Ratings	Weight	
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	D3	d1	H1	h	n3	φ 3	m	Da	Z	b	x	Coa		
																					10KN		
2788/850K	976	850	80					—		916	919	80					2	916	456	20	0	174	117
3-646G2	1200		56	1170	1044	16	24	17.5	10.5	1088	1092	46	12	4	M8 x1	6	985	166	44	0		210	84.1
2782/1000GK	1270	1000	100	1220	1050	24/2×2	24/2×2	17/M12	17/M12	1133	1137	85	15	2	M10×1	6	972.6	164	70	0		384	322
2787/1210G2	1530	1210	122	1480	260	40	40	26	26	1368	1372	108	12	4	M10x1	10	164	118	80	0		713	540
2787/1400GK	1715	1400	110	1660	1460	24	24	M20	M20	1558	562	95	15	2	M12×1.25	6	1365	230	77	-0.35		365	545
2787/1400GK1	1715	1400	110	1660	460	24	24	23	23	1558	1562	95	15		M10x1		365	230	77	-0.35		365	545
2787/1440	1780	1440	100	1730	1494	48	48	22	M20	1618	1622	85	10	4	M12×1.25	8	1400	177	50	0		503	554
2787/1440G	1780	1440	100	1730	1494	48	48	22	M20	1618	1622	85	10		M12×1.25	8	1400	177	50	0		578	554
2768/1440G	1780	1440	104	1730	1494	48	48	22	M20	613	162-	87	10		M12×1.25		400	77	52	0		578	555
2787/1525G2	1875	1525	140	1815	585	42	42	29	29	1698	1702	122	17	4	M12×1.25	16	1452	92	110	0.35		873	1019
2788/1712	2050	1790	112	2006	1847	36	72	22	22	1925	1926	92	12	18	M10x1	16	1712	108	100	-0.5		604	663
2789/2230	2488	2230	160	2445	2275	48	48	M20	M22	2337.5	2342.5	135	5	8	ZG1/4in	18	2144	21	45	0		1247	1114
2789/2240G2	2500	2240	140	2454	2280	56	56	M24	M24	2357.5	2362.5	115	5	8	M14x1.5	18	2146	121	125	0		856	1161
2789/2735	2990	2735	160	2954	2770	48	48	M20	M24	2835	2845	135	5	8	ZG1/4in	22	2625	121	144	0		1559	1457

Four-point contact Ball Slewing Bearing

No Gear

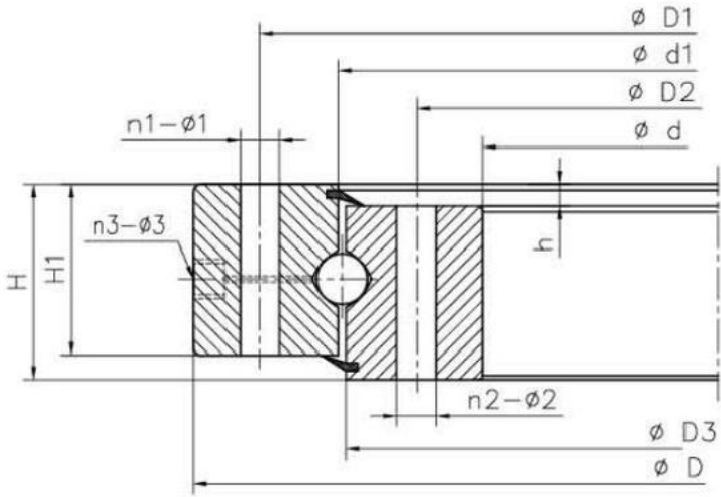


Technical Data:

Designations	Dimensions			Mounting Hole Size												Basic Load Ratings	Weight
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	D3	d1	H1	h	n3	φ 3	Coa	kg
116752			60	444	296	16	16	14	14	360	380	60	—	—	—	75.4	55
			60			—	—	—	—		60	—	—	—	—		
176792	590	460	45	570		8	12	M10	10		542	45	—	—	—		35.9
			45		488	12	12	10	10		542	45	—	—	—		36
			45	570	488	12	8	10	10			45	—	—	—		
1167/530	780	530	60	740	560	20	20	17	13		665	35	—	—	—		103
1167/560	720	560	36	690	590	12	12	14	12	638.5		33	3		—		
			36			12	32	M12	16			36	3		—		
1167/560M	720	560	36		590	12	12	14	12			36	3		—		
1168/560	780	560	60			—	—	—	—	645	668	60	3		—	224	103
			69			—	—				722	69	—	—	—	111	
	900	700	36	860	740	12	12	M16	17		804	36	3	—		179	60
E787/760G2		760	80	915	795	24	24	18	M16	853.5	856.5	71	9	4	M10×1	203	138
			64	948	802	24	12/12			878	882	49	15	2	M8×1		112
3-640K	1000	775	64	948	802	24	12/12	M12	13/M12	878	882	49	15	2	M8	196	112

Four-point contact Ball Slewing Bearing

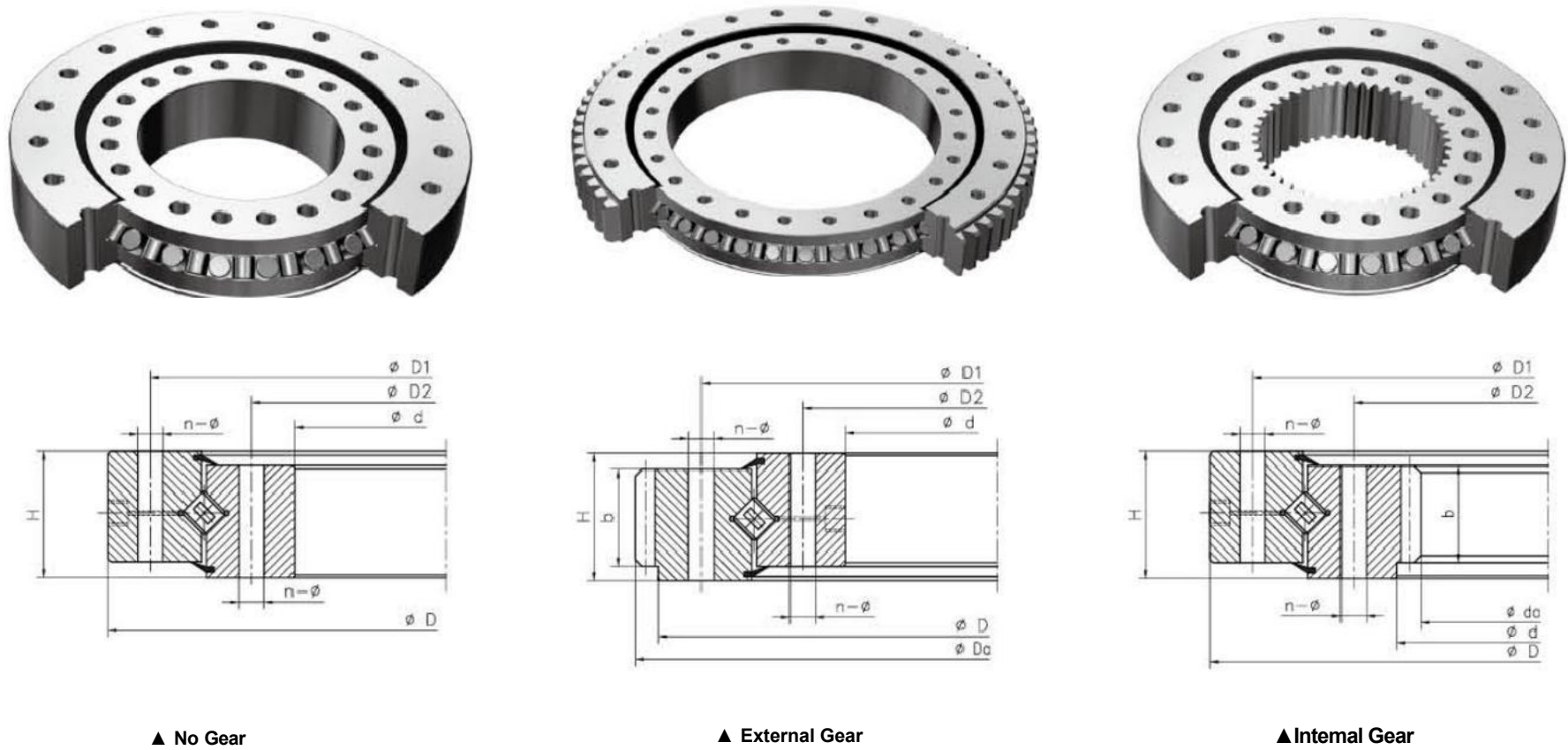
No Gear



																Basic Load Ratings	Weight
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	D3	d1	H1	h	n3	φ 3	Coa	kg
																10KN	
			90			30	30	20	20			76	16	3			192
	1120	850	85	1074	924	12	12	M20	22	995		85	—	—		151	248
1769/850G2K			85	074	924	12	12	17	22		003	85	—	—	—	210	257
			120		984	40	40	26		1064		100	20	4	G1/4in		328
787/960G2			90	135	1040	36	36	18	M16	1073		78	14	6	M10×1		202
			100	206	1044	12	12	18	M16			90	10	3		540	283
			90	465	315	36	36	22	M20	386		70	14	2	ZGL/8in	378	274
71169/1400Y			136			24	24	35	35			36	—	4		611	1114
				1750		24	24	35	35			136	—	4			
			100			48	48	22	M20	1618		85	15	4			533
			130			36	36	26				115	15	6			732
787/1700KM			150	950	750	24	24	21	21	842		130	20	4	M10×1	684	826
			56	020		12	12	18	18			45	—	4	M6		52.5
		275	55		307	16	16	18				50	5	4	M10×1	87.2	
LD—Q007K		275	55	453	307	16	16	18	18	381	386	50	5	4	M10×1		
			55		280	18	18		22			50	5	3		78.2	34.7

Cross Roller Slewing Bearing

Single Row Cross Roller Slewing bearing is made from two rings,compact form,light in weight,high manufacturing and mounting,precision,small Assembling clearance,rollers cross banding by 1:1.Cross Roller Slewing bearing can bear axial force,overturning moment and rather large radial force at the same time. Customers can select inner gear type or outer gear type Single Cross Roller Slewing Bearing according to the different applications.It is easy to use and install. Cross Roller Slewing bearing is widely used in transport cranes,construction machineries and Martial industrial Products,ect.

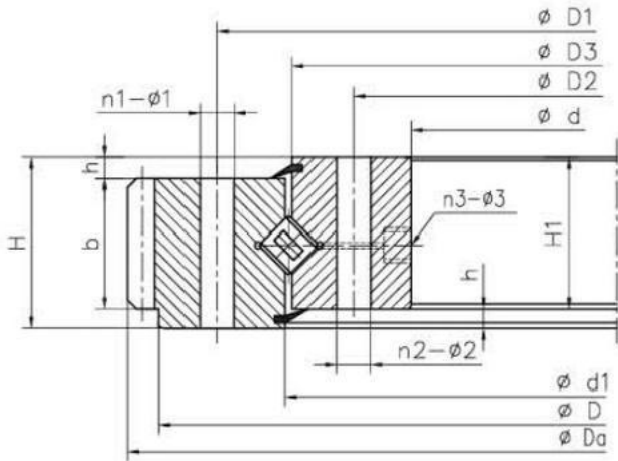


Technical Data:

Designation																			Weight
No Gear			D	d	H	D1	D2	n	Φ	m	Da	Z	da	Z	b	x	Coa	10KN	kg
11025.500				398	75		434	20	18	5	630	123	365	74	60	0.5	104		80
				398	75		434	20	18	6		120	360	62	60	0.5	104		80
				458	75		494	20	18	5			425	86	60		116		90
				662	458			20	18	6	690		426						90
				732	528		564	24	18	6	774	126	492	83	60				
				528	75		564	24	18	8	776	94		62	60		130		
110.25.710			812	608	75	776	644	24	18	6	852			96	60		149		110
					75		644	24	18	8	856	104	568	72	60		149		110
				678	82		722	30	22	8	968	118	632	80	65	0.5	185		
				922	678	82	722	30	22	10		94	630	64	65				
110.28.900				778	82		822	30	22	8		130	736	93	65	0.5			190
				778	82		822	30	22	10			730	74	65		209		190
				122	82		922	36	22	10				83	65				
					82		922	36	22	12		96		69	65	0.5			
					82			36	22	10			940	95	65	0.5	262		
					82			36	22	12				79	65		262		230
								40	26	12				88	75		321		
110.32.1400					91			40	26	14					75	0.5	321		
					91			40	26	12				100	75	0.5			
					91			40	26	14					75	0.5			
					91		513	45	26	14				100	75		412		
					91			45	26	16					75		412		
					91			45	33	14	2016				75		460		500
					91			45	33	16					75	0.5			
								33	16						90		686		
								48	33	18					90				900
					112			48	33	16	2496	153			90	0.5	764		
								48	33	18	2502						764		1000
								56	33	18					90		797		
								56	33	20		36							
					112			56	33	18		168		41	90	0.5			
								56	33	20		151		127	90	0.5	960		
110.50.3150					56			45	20							0.5			2150
					134			56	45	22		55							
		13.50.3550						56	45	20									
					134	6	3414	56	45	22		174		147	110	0.5			
					134			60	45	22				167	110	0.5			
					134			60	45	25									2800
			4726		134			60	45	22		217		190					
					134			60	45	25		191		167		0.5			

Cross Roller Slewing Bearing

External Gear



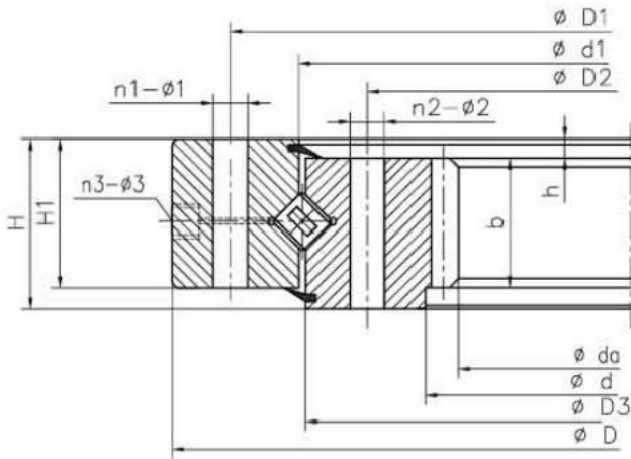
Designation	Dimensions			Mounting Hole Size						Gear Data					ratings	Weight
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	m	Da	Z	b	X	Coa 10kN	kg
1792/885	056	885	83	032	925	16	16	M16	17. 5	8	1096	135	62. 5	0	176	172
			83			16	16		17. 5	8				0		
E1792/885K	056		83	1032	925	16	16	M16	17. 5	8		135	62. 5	0	176	172
1797/885G						16	16	18	18	5		234	80	0	292	
1797/1100G			115	345	1160	24	18	21	21	6	452	240	84	0	270	497
						26	26	24	26	14		104	90			
					1160	26	26	24	26	14	1477	104	90	-0. 24		644
	548		148	512		16	16	25	25	12		132	100			
	595					36	36	26	26	12			90			
	705			644		24	24	32	32	14	784	126	85	-0. 3	578	1023
1792/1400G						42	42	26	26	12			78			
	715					42	42	26	26	12		147	78	-0. 3		
				660		42	42	26	26	12		147	78		597	597
	1800		125			32	36	26	26	14			95	-0. 3		
		460	125	1735	1525	32	36	26	26	10				0		845
1797/1916G2				2245		42	42	34	34	18		133	135	-0. 4		1597
1797/2100G2	2600	2100		2540		48	48	32	32	18	2700	148	130	0		2395
1797/2100G2K	2600	2100	180	2540	2200	48	48	32	32	18	2700	148	130	0	100	2392

Technical Data:

										Gear Data					Basic Load ratings	Weight
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	m	Da	Z	b	X	Coa 10kN	kg
1797/2460G2		2460	220	2930	2560	30	30	33	34	14	3108		200	0		
						30	30	33	34	14			200			
				2930		30	30	33	34	14	3108	220	200	0		4091
1797/2460G2K1	3108	2460	220	2930	2560	30	30	33	34	14		220	200	0	1386	
						36	36	37	37	25			200	0		
	2920					36	36	40	40	18			190	0		5407
1797/2500G2K1	2920	2500	260	3060	2622	36	36	40	40	18	3258		190	0		5407
1797/2600G	—	2600		3050	2700	60	60	35	35	20	233		180			3936
		2600				60	60	35	35	20		160	180			
	—	2600			2700	60	60	35	35	20			180			3936
1797/2600G2K1	—	2600	200	3050	2700	60	60	35	35	20	3233	160	180		2320	3558
1797/2635G						36	36	42	42	20		170	200	0		
1797/2635G2	3332	2635		3240		36	36	42	42	20	3440	170	200	0		5937
		3230				52	54	37	37	25		162	200	0	3520	7612
						52	36	37	37	25				0		7612
1797/3230G2	3970	3230		3820	3350	52	54	37	37	25		162	200	0	3520	7613
	3970					52	54	37	37	25				0		7613
	3970					52	54	37	37	22	1092			0		
1797/3230G2K3		3230	240			52	54	37	37	20		202	200	0		7302
						52	36	37	37	25	1100	162		0		7613
	3970	3230				52	36	37	37	25				0		7613
						52	36	37	37	25				0		
	3970	3230		3820	380	52	68	37	37	25	100	162	200	0	3520	7613
1797/3230GK5	3970	3230		3820	3350	52	54	37	37	25				0		7613
797/3230G2Y3K		3230		3820	3380	52	36	37	37	25	4100			0		
		3760		4160		48	48	32	32	14	326	307	135			4396
1797/4250G	4940	1250	250	1840	1350	72	72	48	48	30	5082	168	200	-0. 3	4520	8954

Cross Roller Slewing Bearing

Internal Gear

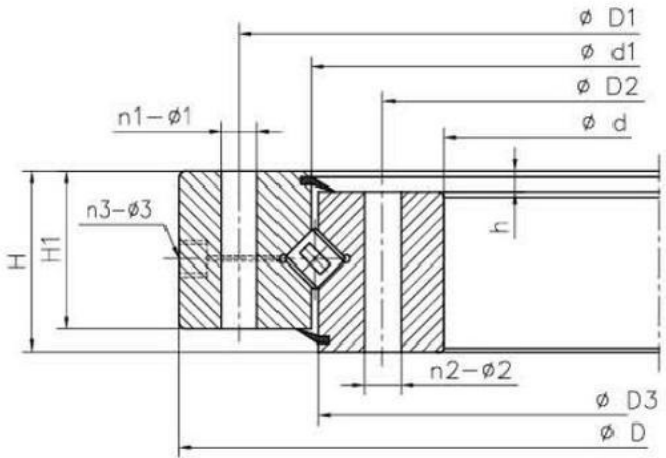


Technical Data:

Designation										Gear Data					Coa 10kN	Weight kg
	D	d	H	D1	D2	n1	n2	φ 1	φ 2	m	Da	Z	b	χ		
2797/695G2		695	90	870	735	30	30	18	18	7	658	96	65	0	161	175
2797/760G2	1000		95			24	24	20	20	8		91	70	0.35	237	
			115			18	18	26	26	8		105	90		292	374
2797/875G2	1170		95	120	930	24	24	22	22	8			70	0.35		297
2797/955G		95	90	160		36	18	18	18	8		115	72	0.3	254	245
2797/955G2	1200	95	90	160		36	18	18	18	8		115	72	0.3	254	245
2797/1010G2	1200		90			36	20	22		10		97	72	0.6		
	1200		90			36	20	22		10	962	97	72	0.6	254	199
	1595					36	36	26	26	12		103	90			585
2792/1400G2K	1715	1400				40	40	26	M24	10		135	90	0	597	587
2792/2000G2						48	48	33		14		138	120	0.3		
	2670				2320	54	54	35	M36	16		136	120	0.3		
2797/2680G	3325	2680	300	3242	2754	32	32	33	33	16	2592	164	180	0	3587	2320
	3325	2680	300	3242	2754	48	48	33	33	16	2592	164	180	0	3587	6320
2797/2680GK			300			32	32	33	33	16	2592	164	180	0		5641

Cross Roller Slewing Bearing

No Gear



Technical Data:

Designation										Basic Load ratings		Weight kg
	D	d	H	DI	D2	n1	n2	φ 1	φ 2	Coa 10kN		
			85			12	8	17	18			85.6
797/600G2		600	125	848	690	30	29	26	M24			246
797/670		670	85	870	730	12	8	M16	18	165		170
			140	940		24	24	M20	22	254		
797/845G2	150	845	130	1100	895	24	24	22	22	401		393
		870	115	1125	920	18	18	28	28	292		355
797/870K			115	125		18	18	28	28	232		355
797/870G2K1			115	1125	920	18	18	28	28	320		356
			90							254		
		1000			1050	36	36	19	19	333		303
792/1000G2K	1270		100	220	050	36	36	19	19	333		
	1270				1050	36	36	19	19	333		303
92/1000G2K2	1270	000	100	1220	050	36	36	19	19	333		303
797/1060G2						—	—					
797/1200G2			90									
792/1250G2	1700	250	155	650	330	24	24	26	26	602		103

Technical Data:

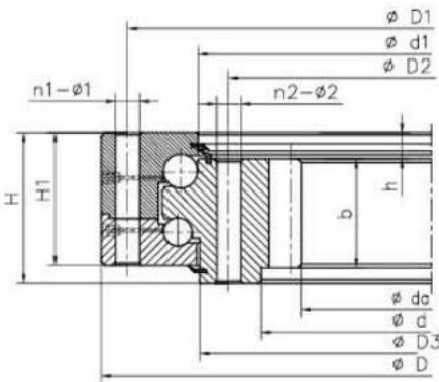
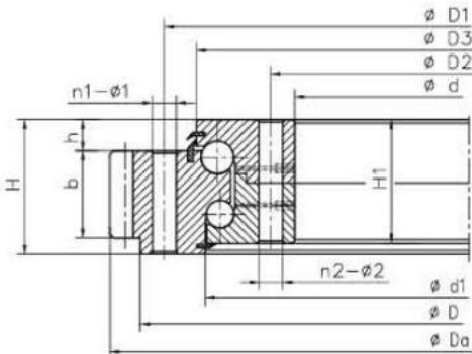
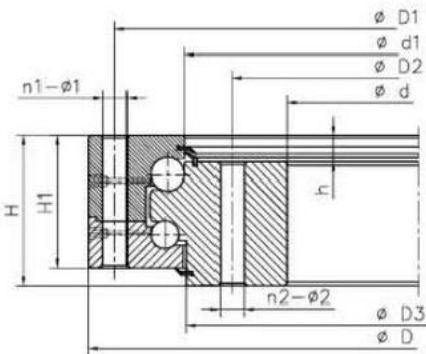
Designation										Gear Data							额定负 Basic Load ratings		Weight
No Gear	External Gear		D	d	H	D1	D2	n	φ	m	Da	Z	da	Z	b	x	Coa OkN	Cor	kg
30. 32. 00g			1064	736	182	020	780	36	22	8		135	688	87	120	0. 5			600
	132. 32. 900		064	736	182		780	36	22	10		108	690	70	120	0. 5		80. 8	600
					182		880	40	22	10			780	79	120	0. 5		90. 3	680
				836	182			40	22	12		99	780	66	120	0. 5			680
130. 32. 1120					182			40	22	10		131	900	91	120	0. 5	768		820
					182		000	40	22	12		109	900	76	120	0. 5	768	102	820
130. 40. 1250					220			45	26	12		23	984	83	150	0. 5		146	
					220		1107	45	26	14		105	980	71	150	0. 5	1110	146	
								45	26	12		136		96		0. 5		165	
								45	26	14		116		82	150	0. 5			
130. 40. 1600			1795		220		1457	48	26	14		131		96	150	0. 5		190	1520
								48	26	16				84		0. 5		190	
								48	26	14		145		110		0. 5			
							1657	48	26	16				96		0. 5		215	
								60	33	16				—					
					231			60	33	16		14]		107		0. 5			
					231			60	33	16				107	160				
					231	2155		60	33	18		125		95	160	0. 5	2050	239	
	3145. 2240				231			60	33	16		157				0. 5		268	
				2019	231			60	33	18		139		108		0. 5			
					231			72	33	18		154		122	160	0. 5		302	
					231			72	33	20						0. 5			
130. 45. 2800	31. 45. 2800	33. 45. 2800	3021	2579	231	2955	2645	72	33	18		170		139		0. 5			
	32452800	34. 452800			231			72	33	20		53		125				339	
								72	45	20		174		139		0. 5		381	
				2868	270		2958	72	45	22		158		126	180	0. 5	3590	381	000
								72	45	20		194		159	180	0. 5		431	
								72	45	22		176		144	180	0. 5		431	
								80	45	22				165		0. 5		487	6400
				718	270	1192	3808	80	45	25		173	600	145	180	0. 5	560	487	5400
130. 50. 4500				218	270			80	45	22				188		0. 5	5445	580	
					270			80	45	25					185		5445	580	6942

Double-Row Ball With Different Diameter Bearing

Double-Row Ball With Different Diameter Bearing is made from 3 rings,steel balls and separators can be arranged n the raceway directly,according to the different load-carrying capability status,disposed up and down two row balls with different diameter.This kind of open installation is very convenient,as per different loading,angles of the circular arc up and down can be changed accordingly.Double-Row Ball With Different Diameter Bearing can bear very large axial force and overturning moment.

The raceway should be special designing while the radial force is greater 0.1 time than the axial force.Double-Row Ball With Different Diameter Bearing of axial sizes and radial sizes are rather large,compact form.

Double-Row Ball With Different Diameter Slewing Bearing is especially used in loading and unloading machines above the average diameter,such as tower cranes,ship cranes,truck cranes and so on.



Technical Data:

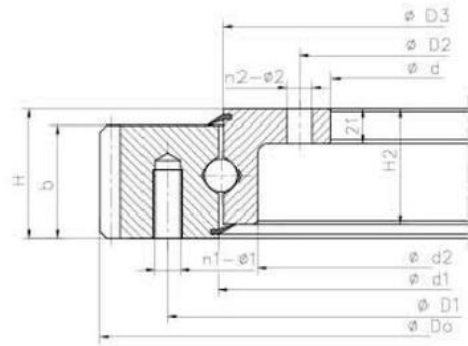
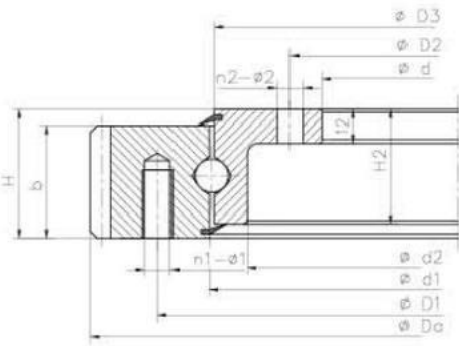
Designation			Dimensions			Mounting Hole Size				Gear Data							Basic load Ratings	Weight
No Gear			D	d	H	D1	D2	n	φ	m	Da	Z	da	Z	b	x	Coa 10kN)	kg
020. 25. 500			616	384	106	580	420	20	18	5	645	126	355	72	60	0. 5	121	100
	022. 25. 500		616	384	106	580	420	20	18	6	648	105	348	59	60	0. 5	121	100
						640	480	20	18	5	705	138		84	60	0. 5	134	
			676	444	106	640	480	20	18	6	708	115		69	60	0. 5	134	115
020. 25. 630		023. 25. 630		514	106	710	550	24	18	6		129		81	60	0. 5	153	
			746	514		710	550	24	18	8	792	96	472	60	60	0. 5	153	
020. 25. 710	021. 25. 710	023. 25. 710	826	594	106	790	630	24	18	6	864	141	558	94	60	0. 5	173	140
	022. 25. 710		826	594		790		24	18	8	864	105	552	70	60	0. 5	173	
020. 30. 800			942		124	898	702	30	22	8	984	120	616	78	80	0. 5	230	200
	022. 30. 800	024. 30. 800	942		124	898	702	30	22	10		96		62	80	0. 5		200

Technical Data:

Designation			Dimensions			Mounting Hole Size											Ratings	Weight
No Gear	External Gear	nternal Gear	D	d	H	D1	D2	n	Φ	m	Da	Z	da	Z	b	x	Coa OkN	kg
			042	758	124	998	802	30	22	8		133	712	90	80	0.5		250
			1042	758	124	998	802	30	22	10		106	710	72	80	0.5		250
					124	098		36	22	10		117		82	80	0.5		
				858	124	098	902	36	22	12	200	97	792	67	80	0.5		300
			262		124	218	022	36	22	10				93	80	0.5	321	340
					124			36	22	12		107		77	80	0.5		
020. 40. 1250					160	374		40	26	12			1008	85	90	0.5		580
								40	26	14		104		73	90	0.5		
					160	524		40	26	12		134		97	90	0.5		
							272	40	26	14				83	90	0.5		
					160	724		45	26	14		129		97	90	0.5		
			1776		160	724		45	26	16		113		85	90	0.5		750
			1976			1924	676	45	26	14		144	1540	111	90	0.5		
					160	924		45	26	16		26		97	90	0.5		
								48	33	16		141		107	120			1150
			2215		190	2149	1851	48	33	18		125		95	120	0.5		1150
					190			48	33	16		56		122	120	0.5		
					190			48	33	18				108	120	0.5		
020. 50. 2500	021. 50. 2500	023. 50. 2500	2715	2285	190	2649	2351	56	33	18		153	2196	123	120	0.5	110	500
			2715		190		2351	56	33	20				110	120	0.5	110	1500
			3015		190	2949		56	33	18		170		139	120	0.5		
							2651	56	33	20				125	120	0.5		
			3428		226	3338	2962	56	45	20	3540	174	2760	139	150	0.5	1870	300
					226	3338		56	45	22		58		126	150	0.5		
				3272	226	3738	3362	56	45	20		194		159	150	0.5	2110	3700
			3828		226			56	45	22		176		145	150	0.5		
					226			60	45	22		197		165	150	0.5		
			1278	3722	226	4188	3812	60	45	25	4400	173	3600	145	150	0.5	2370	200
020. 60. 4500			4778		226	4688		60	45	22		219	4114	188	150	0.5		4700
				4222	226	688	1312	60	45	25		193	100	165	150	0.5	2670	

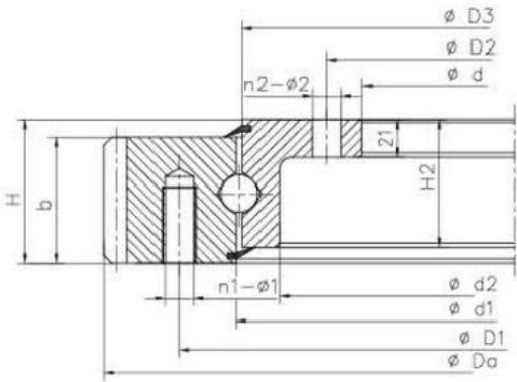
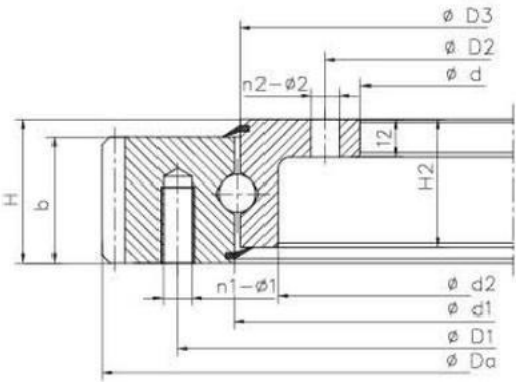
Light-Load Four-point contact Ball Slewing Bearing

External Gear



Technical Data:

Designation			Dimensions																	Gear Data			Coa KN	Weight kg	
INA	Rothe Erde	TG	Da	D	d	H	D1	D2	n1	n2	φ 1	φ 2	d2	b	h	bh	H2	d1	D3	m	Z	do			
				480		56			10	12			369.5	40	8.5	47.5					99	495		600	31.2
VLA200414N						56			10	12		18		40							99				29.5
			504			56			10	12		18									99	495			29.3
	231.20.0400.503		504		304	56	455	332	10	24		18		45.5	10.5		45.5			5	99	495		250	29
			504		304	56		332	10					46	10	46	46					495			
		E.505.20.C	504			56			10	12	A12		373	46	10	46	46				99	495			34
	231.21.0475.013		504		305	56			10	12		18					45.5	417			99	495		250	29.3
					434	56			14															670	41.5
VLA200544N ZT					434	56	585	462	14	14					8.5						105			790	41.6
VLA200544N			640.3			56			14			18												385	41.5
	231.20.0500.013					56		462	14	14		18						45.5			105	630		330	39.5
	231.20.0500.503				434	56		462	14	28		18									05			330	39.2
						56			14	14			505	46	10	46	46							670	
						56			14	28											105			660	40.6
	231.21.0575.013				435	56			14			18													
					534	56		562	16	16					8.5		44.5				122	732		900	50
VLA 200644N			742.3		534	56			16	16		18									122			455	48.5
	231.20.0600.013					56			16	16	M12	18									122				47.6
	231.20.0600.503					56		562	16	32		18					45.5			6	122	732		390	47.2
			742.8						16					46	10	46	46				122				55.1



Technical Data:

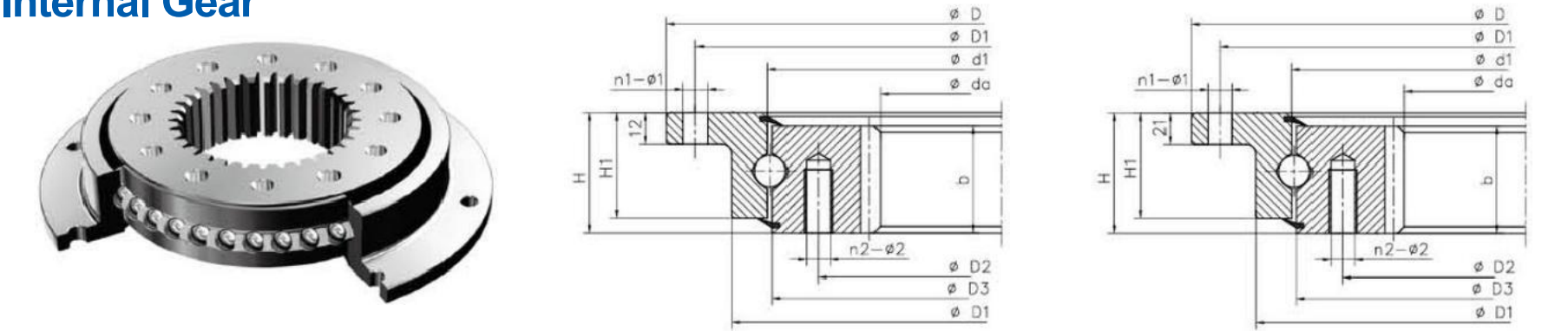
Designation			Dimension				Mounting Hole Size						Stucture dimension							Gear Data				Coa KN	Weight kg
INA	Rothe Erde	TG	Da	D	d	H	D1	D2	n1	n2	φ 1	φ 2	d2	b	h	bh	H2	d1	D3	m	z	do			
	231. 21. 0675. 013		742. 8		535	56	685	562	16	16	M12	18		45. 5	10. 5	45. 5	45. 5	647	642. 5	6	122	732		390	47. 6
VLA200744N ZT			838. 1		634	56	785	662	18	16	M12	φ 18	699. 5	44. 5	8. 5	47. 5	14. 5	745. 5	742. 5	6	138	828		1050	56
VLA 200744N			838. 1		634	56	785	662	18	16	M12	18		44. 5	1. 5	47. 5	44. 5	745. 5	742. 5		138	828		530	54. 5
	231. 20. 0700. 013		838. 8		634	56	785	662	18	16	M12	18		45. 5	10. 5	45. 5	45. 5	745. 5	742. 5	6	138	828		450	53. 5
	231. 20. 0700. 503		838. 8		634	56	785	662	18	32	M12	18		45. 5	10. 5	45. 5	45. 5	745. 5	742. 5	6	138	828		450	53. 1
		E. 850. 20. 00. C	838. 8		634		785	662	18	16	M12	φ 18	705	46	10	46	46	745. 5	742. 5		138	828		910	60
	231. 21. 0775. 013		838. 8		635	56	785	662	18	16	M12	18		45. 5	10. 5	45. 5	45. 5	747	742. 5	6	138	828		450	53. 5
VLA200844N ZT			950. 1		734	56	885	762	18	18	M12	φ 18	799. 5	44. 5	8. 5	47. 5	44. 5	845. 5	842. 5	8	117	936		1200	66. 4
VLA 200844N			950. 1		734	56	885	762	18	18	M12	18		44. 5	1. 5	47. 5	14. 5	845. 5	842. 5	8	117	936		600	65. 5
	231. 20. 0800. 013		950. 4		734	56	885	762	18	18	M12	18		45. 5	10. 5	45. 5	45. 5	845. 5	842. 5	8	117	936		510	65. 1
	231. 20. 0800. 503		950. 4		734	56	885	762	18	36	M12	18		45. 5	10. 5	45. 5	45. 5	845. 5	842. 5	8	117	936		510	64. 7
		E. 950. 20. 00. C	950. 4		734	56	885	762	18	18	M12	φ 18	805	46	10	46	46	845. 5	842. 5	8	117	936		1030	72. 3
	231. 21. 0875. 013		950. 4		735	56	885	762	18	18	M12	18		45. 5	05	45. 5	45. 5	847	842. 5		17	936		510	55. 1
VLA 300955N			109		805	90	1016	845	30	30	M20	22		71	19	71	71	953	957		120	1080		2550	170
	281. 30. 0900. 013		1096. 2		805	90	1016	845	30	30	M20	22		71	19	71	71	953. 5	956. 5	9	120	1080		1750	165
	281. 30. 0900. 013		1096. 2		805	90	1016	845	30	30	M20	φ 22	893	71	19	71	71	953. 5	956. 5	9	120	1080		2150	144
		E. 1100. 32. 00. C	1098		805	90	1016	845	30	30	M20	φ 22	893	71	19	71	71	955	955	9	120	1080		2230	165
	281. 30. 0975. 013		1096. 2		807	90	1016	845	30	30	M20	22		71	19	71	71	955	956. 5	9	120	1080		1750	165
VLA200944N ZT			1046. 1		834	56	985	862	20	20	M12	φ 18	899. 5	44. 5	8. 5	47. 5	44. 5	945. 5	942. 5	8	129	1032		1350	72. 4
VLA 200944N			1046. 1		834	56	985	862	20	20	M12	18		4. 5	11. 5	47. 5	44. 5	945. 5	942. 5	8	129	1032		670	71. 5

Technical Data:

Designation			Dimensions				Mounting Hole Size						Structure dimensions							Gear Data				• a r V	Weight kg
INA	Rothe Erde	TG	Da	D	d	H	D1	D2	n1	n2	φ 1	φ 2	d2	b	h	bh	H2	d1	D3	m	z	do	X		
	231. 20. 0900. 013		1046. 4		834	56	985	862	20	20	M12	18		45. 5	10. 5	45. 5	45. 5	845. 5	942. 5	8	129	1032		570	69. 6
	231. 20. 0900. 503		1046. 4		834	56	985	862	20	40	M12	18		45. 5	0. 5	45. 5	45. 5	845. 5	942. 5		29	032		570	69. 1
		E. 1050. 20. 00. C	1046. 4		834	56	985	862	20	20	M12	φ 18	905	46	10	46	46	945. 5	042.	8	29	1032		1440	32. 3
	231. 21. 0975. 013		1046. 4		835	56	985	862	20	20	M12	18		45. 5	10. 5	45. 5	45. 5	947	942. 5	8	129	1032		570	69. 6
	28130. 1000. 013		1198		905	90	1116	945	30	30	M20	22		71	19	71	71	1053. 5	1056. 5	10	118	1180		1840	183
VLA 301055N			1198		905	90	1116	945	30	30	M20	22		71	19	71	71	1053	1057	10	118	1180		2800	188
		E. 1200. 32. 00. C	1200		905	90	1116	945	30	30	M20	φ 22	993	71	19	71	71	1055	1055	10	118	1180		2500	183
	281. 30. 1075. 013		1198		907	90	1116	945	30	30	M20	22		71	19	71	71	1055	1056. 5	10	118	1180		1840	183
VLA201094N ZT			1198. 1		984		135	012	22	20	M12	φ 18	049. 5	4.	8. 5	47. 5	44. 5	095. 5	1092. 5		48	184		2000	86
VLA 201094N			1198. 1		984	56	1035	1012	22	20	M12	18		44. 5	11. 5	47. 5	14. 5	095. 5	1092. 5	8	148	1184		770	83. 5
	231. 20. 1000. 013		1198. 4		984	56	1135	1012	22	20	M12	18		45. 5	10. 5	45. 5	45. 5	095. 5	1092. 5	8	148	1184		665	83
	231. 20. 1000. 503		1198. 4		984	56	1135	1012	22	40	M12	18		15. 5	10. 5	45. 5	45. 5	095. 5	092. 5	8	48	1184		665	32. 5
		E. 1200. 20. 00. C	1198. 4		984	56	1135	1012	22	20	M12	φ 18	1055	46	10	46	46	1095. 5	1092. 5	8	148	1184		1700	99
	231. 21. 1075. 013		1198. 4		985	56	1135	1012	22	20	M12	18		45. 5	10. 5	45. 5	45. 5	1097	1092. 5	8	148	1184		665	83
	281. 30. 1100. 013		1298		1005	90	1216	1045	36	36	M20	22		71	19	71	71	1153. 5	1156. 5	10	28	1280		1900	200
VLA 301155N			1298		1005	90	216	1045	36	36	M20	22		71	19	71	71	1153	1157	10	28	1280		3100	206
		E. 1300. 32. 00. C	1300		1005	90	1216	1045	36	36	M20	φ 22	1093	71	19	71	71	1155	1155	10	128	1280		2700	200
	281. 30. 1175. 013		1298		1007	90	1216	1045	36	36	M20	22		71	19	71	71	1155	1156. 5	10	128	1280		1900	200
	281. 30. 1200. 013		1398		1105	90	316	145	42	42	M20	22		71	19	71	71	253. 5	256. 5	10	138	1380		1950	216
VLA 301255N			1398		1105	90	1316	1145	42	42	M20	22		71	19	71	71	1253	1257	10	138	1380		3350	223
		E. 1400. 32. 00. C	1400		1105	90	1316	1145	42	42	M20	φ 22	1193	71	19	71	71	255	1255	10	38	1380		3000	216
	281. 30. 1275. 013		1398		1107	90	1316	1145	42	42	M20	22		71	19	71	71	1255	1256. 5	10	138	1380		1950	216
	281. 30. 1300. 013		1498		205	90	410	245	42	42	M20	22		71	19	71	71	353. 5	356. 5	10	48	1480		2000	234
VLA 301355N			1498		1205	90	1416	1245	42	42	M20	22		71	19	71	71	1353	1357	10	148	1480		3600	241
		E. 1500. 32. 00. C	1500		1205	90	1416	1245	42	42	M20	φ 22	1293	71	19	71	71	1355	1355	10	148	1480		3220	234
	281. 30. 1375. 013		1498		120	90	1416	1245	42	42	M20	22		71	19	71	71	1355	356. 5	10	48	1480		2000	234
	28130. 1400. 013		1598		1305	90	516	1345	48	48	M20	22		71	19	71	71	1453. 5	1456. 5	10	158	1580		2050	250
	281. 30. 1400. 013		1598		1305	90	1516	345	48	48	M20	φ 22	1393	71	19	71	71	1453. 5	1456. 5	10	158	1580		3261	252
VLA 301455N			1598		1305	90	516	1345	48	48	M20	22		71	19	71	71	1453	1457	10	158	1580		4000	258
		E1600. 32. 00. C	1600		1305	90	1516	1345	48	48	M20	φ 22	1393	71	19	71	71	1455	1455	10	158	1580		3350	250
	281. 30. 1475. 013		1598		1307	90	1516	1345	48	48	M20	22		71	19	71	71	1455	1456. 5	10	158	1580		2050	250

Light-Load Four-point contact Ball Slewing Bearing

Internal Gear



Technical Data:

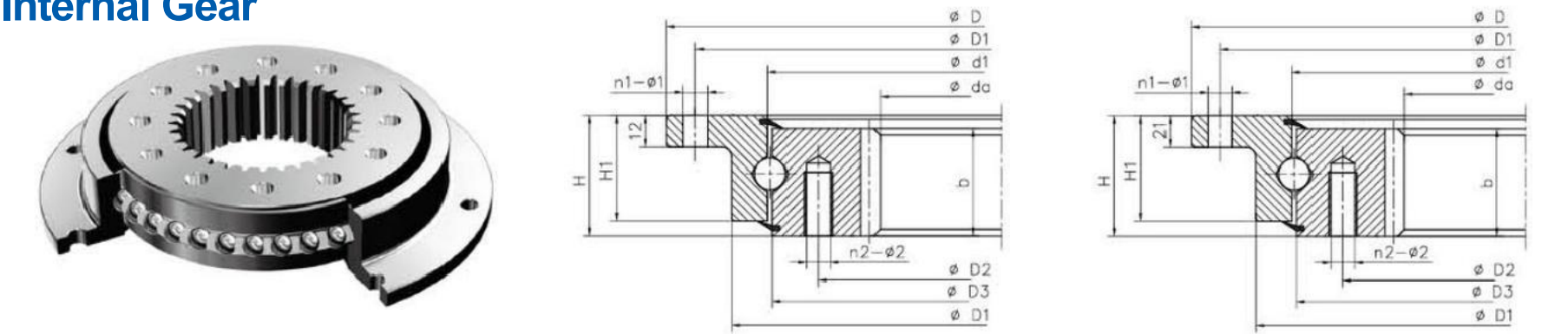
Designation			Dimensions				Mounting Hole Size						Structure dimensions							Gear Data					Coa KN	Weig kg
INA	Rothe Erde	TG	Da	D	d	H	DI	D2	n1	n2	φ1	φ2	d2	b	h	bh	H2	d1	D3	m	Z	do	x			
VL1200414N ZT			325	518	350	56	490	375	8	12	φ18	M12	458.5	40	11.5	44.5	47.5	415.5	412.5		67	335		600	28.5	
VL1200414N ZT RL2			325	516	350	56	490	375	8	12	φ18	M12	456	40	11.5	44.5	47.5	415.5	412.5	5	67	335		300	36.3	
VL1200414N			325	518	350	56	490	375		12	18	M12		40	8.5	44.5	47.5	415.5	412.5		67	335		295	27.5	
	232. 20. 0400. 013		326.5	518		56	490	375		2	18	M12		45.5	10.5	15.5	45.5	415.5	412.5		57	335		250	27.1	
	232. 20. 0400. 503		326.5	518		56	490	375	16	12	18	M12		45.5	10.5	45.5	45.5	415.5	412.5		67	335		250	26.9	
	232. 21. 0475. 013		326.5	517		56	490	375		2	18	M12		45.5	10.5	45.5	45.5	415.5	411	5	67	335		250	27.1	
		I. 505. 20. 00. C	326.5	518		56	490	375		2	φ18	M12	453	46	10	46	46	41sg	112.5		67	335		500	35.4	
VL1200544N ZT			444	648		56	620	505	10	16	φ18	M12	588.5	44.5	11.5	44.5	47.5	545.5	542.5		76	456		790	40.6	
VL1200544N			444	648		56	620	505	10	16	18	M12		44.5	11.5	44.5	47.5	545.5	542.5		76	456		385	38	
	232. 20. 0500. 013		445.2	648		56	620	505	10	16	18	M12		45.5	10.5	45.5	45.5	545.5	542.5		76	456		330	36.9	
	232. 20. 0500. 503		445.2	648		56	620	505	20	6	18	M12		45.5	10.5	45.5	45.5	545.5	542.5		76	456		330	36.7	
	232. 21. 0575. 013		445.2	647		56	620	505	10	16	18	M12		45.5	10.5	45.5	45.5	545.5	541		76	456		330	36.9	
		I. 650. 20. 00. C	445.2	648		56	620	505	0	16	φ18	M12	583	46	10	46	46	545.5	542.5		76	456		700	40.2	
VL1200644N ZT			546	748		56	720	505	2	18	φ18	M12	688.5	44.5	11.5	44.5	47.5	645.5	642.5		93	558		900	47.4	
VL1200644N			546	748		56	720	605	12	18	18	M12		44.5	8.5	44.5	47.5	645.5	642.5		93	558		455	45	
	232. 20. 0600. 013		547.2	748		56	720	605	12	18	18	M12		45.5	10.5	45.5	45.5	645.5	642.5		93	558		390	43.7	
	232. 20. 0600. 503		547.2	748		56	720	605	24	18	18	M12		45.5	10.5	45.5	45.5	645.5	642.5		93	558		390	43.4	
	232. 21. 0675. 013		547.2	747		56	720	605	2	18	18	M12		45.5	10.5	45.5	45.5	645.5	641		93	558		390	43.7	

Technical Data:

Designation			Dimensions				Mounting Hole Size						Structure dimensions								Gear Dats				Coa KN	Weight kg
INA	Rothe Erde	TG	Da	D	d	H	D1	D2	n1	n2	φ 1	φ 2	d2	b	h	bh	H2	d1	D3	m	z	do	X			
		I. 750. 20. 00. C	547.2	748		56	720	605	12	18	φ18	M12	683	46	10	46	46	645.5	642.5	6	93	558		780	53.3	
VLI200744N ZT			648	848		56	820	705	12	20	φ18	M12	788.5	44.5	11.5	44.5	47.5	745.5	742.5		110	660		530	54	
VLI200744N			648	848		56	820	705	2	20	18	M12		44.5	8.5	14.5	47.5	745.5	742.5			560		530	51.5	
	232. 20. 0700. 013		649.2	848		56	820	705	2	20	18	M12		45.5	10.5	45.5	45.5	745.5	742.5		10	660		450	51.1	
	232. 20. 0700. 503		649.2	848		56	820	705	24	20	18	M12		45.5	10.5	45.5	45.5	745.5	742.5		110	660		450	50.8	
	23221. 0775. 013		649.2	847		56	820	705	2	20	18	M12		45.5	10.5	15.5	45.5	745.5	741		10	660		450	51.1	
		I. 850. 20. 00. C	649.2	848		56	820	705	2	20	φ18	M12	783	46	10	46	46	745.5	742.5		110	660		910	63.1	
VLI200844N ZT			736	948		56	920	805	4	20	φ18	M12	888.5	44.5	11.5	44.5	47.5	845.5	842.5		94	752		1200	65.2	
VLI200844N			736	948		56	920	805	4	20	18	M12		44.5	8.5	44.5	47.5	845.5	842.5		94	752		600	61.5	
	232. 20. 0800. 013		737.6	948		56	920	305		20	18	M12		45.5	0.5	15.5	45.5	845.5	842.5		94	752		510	61.6	
	232. 20. 0800. 503		737.6	948		56	920	305	28	20	18	M12		45.5	10.5	45.5	45.5	B45.5	842.5		94	752		510	61.3	
	232. 21. 0875. 013		737.6	947		56	920	805	4	20	18	M12		45.5	10.5	45.5	45.5	845.5	841		94	752		510	61.6	
		I. 950. 20. 00. C	737.6	948		56	920	305	4	20	φ18	M12	883	46	10	46	46	845.5	842.5		94	752		1030	76.6	
VLI300955N			810	1100		90	1060	894	0	30	22	M20		71	19	71	71	953	957	10	83	830		2550	164	
	28230. 0900. 013		812	1100		90	1060	894	30	30	22	M20		71	19	71	71	953.5	956.5	0	33	830		1750	159	
	28230. 0975. 013		812	1098		90	1060	894	0	30	22	M20		71	19	71	71	053.5	955	0	33	830		1750	159	
		11100. 32. 00. C	812	110		90	1060	894	30	30	φ 12	M20	1017	71	19	71	71	955	955	0	83	830		2250	159	
VLI200944N ZI			840	1048		56	1020	905	6	22	φ18	M12	988.5	44.5	11.5	44.5	47.5	945.5	942.5		107	856		1350	71	
VLI200944N			840	1048		56	1020	905	6	22	18	M12		44.5	8.5	14.5	47.5	945.5	942.5		107	856		670	67.5	
	232. 20. 0900. 013		841.6	1048		56	02	905	6	22	18	M12		45.5	10.5	15.5	45.5	845.5	942.5		07	856		570	65.8	
	232. 20. 0900. 503		841.6	1048		56	1020	905	32	22	18	M12		45.5	10.5	15.5	45.5	845.5	942.5		107	856		570	65.4	
	232. 21. 0975. 013		841.6	1047		56	1020	905	16	22	18	M12		45.5	10.5	45.5	45.5	845.5	941		107	856		570	65.8	
		I. 1050. 20. 00. C	841.6	1048		56	1020	905	6	22	φ18	M12	983	46	10	46	46	945.5	942.5		07	856		1440	79.8	
VLI301055N			910	200		90	1166	994	30	30	22	M20		71	19	71	71	1053	1057	0	93	930		2800	181	
	282. 30. 1000. 013		912	1200		90	1160	994	30	30	22	M20		71	19	71	71	1053.5	1056.5	10	93	930		1840	176	
	28230. 1075. 013		912	1198		90	1160	994	30	30	22	M20		71	19	71	71	1053.5	1055	10	93	930		1840	176	
		I. 1200. 32. 00. C	912	120		90	1160	994		0	φ12	M20	1117	71	19	71	71	1055	1055	0	93	930		2500	176	
VLI201094N ZT			984	1198		56	1170	055	16	24	φ18	M12	1138.5	44.5	11.5	44.5	47.5	1095.5	1092.5		25	1000		2000	80	
VLI201094N			984	1198		56	1170	1055	16	24	18	M12		44.5	8.5	44.5	47.5	1095.5	1092.5	8	25	1000		770	81.5	
	232. 20. 1000. 013		085.6	1198		56	1170	1055	16	24	18	M12		45.5	10.5	45.5	45.5	1095.5	1092.5		25	1000		665	80.7	
	23220. 1000. 503		985.6	1198		56	1170	1055	32	24	18	M12		45.5	10.5	45.5	45.5	1095.5	1092.5	8	125	1000		665	80.3	
	232. 21. 1075. 013		985.6	1197		56	1170	1055	16	24	18	M12		45.5	10.5	45.5	45.5	1095.5	1091	8	125	1000		665	80.7	

Light-Load Four-point contact Ball Slewing Bearing

Internal Gear

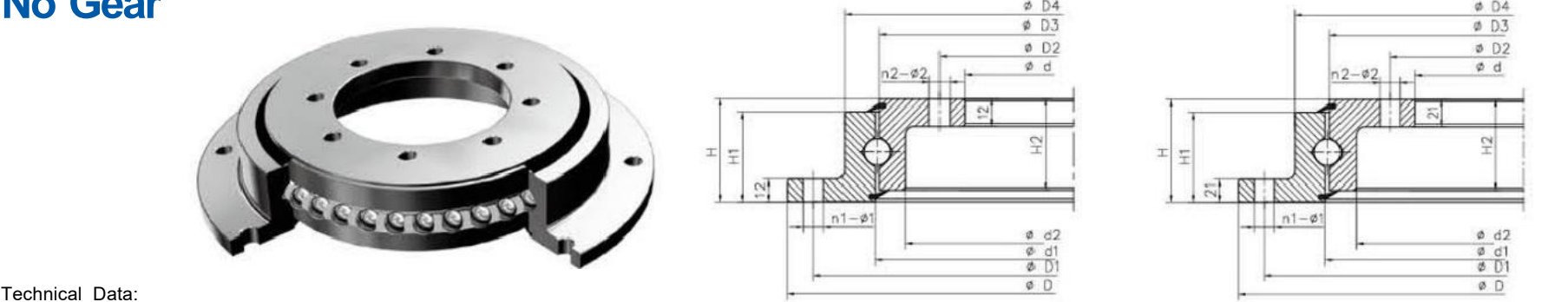


Technical Data:

Designation			Dimensigns			Mounting Hole Size						Structure dimensions								Gear Data				Coa KN	Weight kg
INA	Rothe Erde	TG	Da	D	d	H	DI	D2	n1	n2	$\phi 1$	$\phi 2$	d2	b	h	bh	H2	d1	D3	m	Z	do	X		
		I. 1200. 20. 00. C	985.6	1198		56	1170	055	6	24	$\phi 18$	M12	1133	46	10	46	46	1095.5	092.5		25	1000		1700	101
VLI301155N			1010	1300		90	1260	1094	36	36	22	M20*40		71	19	71	71	1153	1157	ϕ	103	1030		3100	198
	28230. 1100. 013		1012	1300		90	1260	1094	36	36	22	M20		71	19	71	71	1153.5	1156.5	10	03	1030		1900	192
	28230. 1175. 013		1012	1298		90	26	094	6	36	22	M20		71	19	71		1153.5	1155	ϕ	03	1030		1900	192
		I. 1300. 32. 00. C	1012	1300		90	1260	1094	36	36	$\phi 12$	M20	1217	71	19	71	71	1155	1155	10	103	1030		2700	192
VLI301255N			1110	1400		90	1360	1194	42	42	22	M20*40		71	19	71	71	1253	1257	ϕ	13	1130		3350	215
	282. 30. 1200. 013		1112	400		90	360	194	42	42	22	M20		71	19	71	71	12535	1256.5	ϕ	13	1130		1950	208
	28230. 1275. 013		112	398		90	1360	194	12	42	22	M20		71	19	71	71	253.5	255	ϕ	13	1130		1950	208
		I1400. 32. 00. C	1112	1400		90	360	194	42	42	$\phi 12$	M20	1317	71	19	71	71	1255	1255	ϕ	13	1130		3000	208
VLI301355N			1210	1500		90	1460	294	42	42	22	M20*40		71	19	71	71	1353	35	ϕ	23	1230		3600	233
	28230. 1300. 013		1212	150		90	1466	294	42	42	22	M20		71	19	71	71	1353.5	1356.5	ϕ	23	230		2000	226
	282. 30. 1375. 013		1212	1498		90	1460	1294	12	42	22	M20		71	19	71	71	1353.5	1355	ϕ	23	1230		2000	226
		I. 1500. 32. 00. C	1212	1500		90	1460	294	42	42	$\phi 12$	M20	1417	71	19	71	71	1355	1355	ϕ	23	1230		3200	226
	28230. 1400. 013		1310	1600		90	1560	1394	48	48	22	M20		71	19	71	71	1453.5	1456.5	ϕ	33	1330		2050	243
	28230. 1475. 013		1310	598		90	1560	394	18	48	22	M20		71	19	71	71	1453.5	1455	ϕ	33	1330		2050	243
		I. 1600. 32. 00. C	1310	1600		90	1560	1394	48	48	$\phi 12$	M20	1517	71	19	71	71	1455	1455	10	133	1330		3380	243
VLI301455N			1310	1600		90	1560	1394	48	48	22	M20*40		71	19	71	71	1453	1457	10	133	1330		4000	251

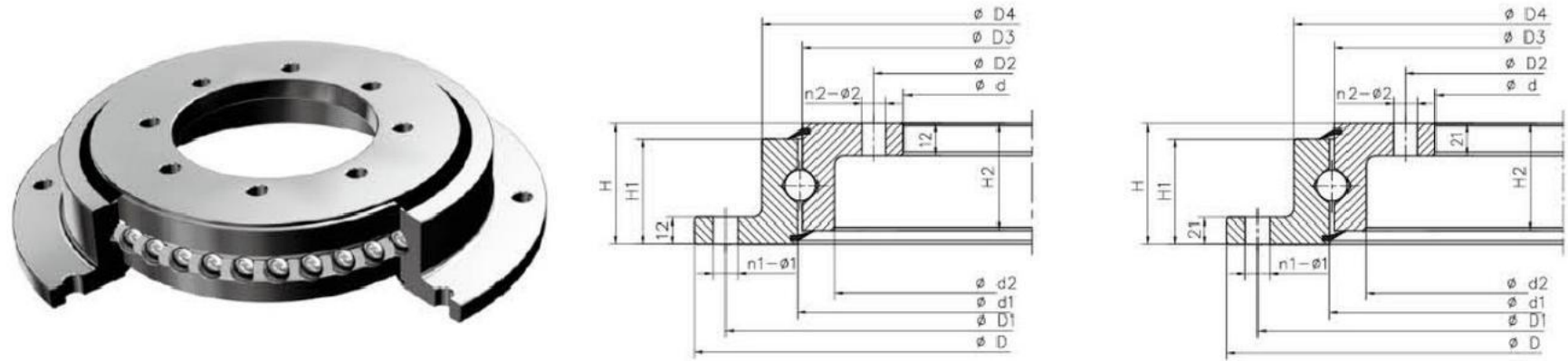
Light-Load Four-point contact Ball Slewing Bearing

No Gear



Technical Data:

Designation			Dimensions			Mounting Hole Size						Structure dimensions						Basic load Ratings		Weight
INA	Rothe Erde	TG	D	d	H	DI	D2	n1	n2	$\phi 1$	$\phi 2$	D4	d2	HI	H2	d1	D3	Coa kN		kg
	230. 20. 0400. 013		518	304	56	490	332	8	12	18	18			45.5	45.5	415.5	412.5	250		23.4
	230. 20. 0400. 503		518	304	56	490	332	16	24	18	18			45.5	45.5	415.5	412.5	250		23
		SD. 505. 20. 00. C	518	304	56	490	332	8	12	18	$\phi 18$	453	375	46	46	415.5	412.5	500		24.3
VLU200414ZT			518	304	56	490	332	8	12	$\phi 18$	$\phi 18$	458.5	369.5	47.5	47.5	4155	412.5	600		26.5
VLU200414			518	304	56	490	332	8	12	18	18			47.5	47.5	415.5	412.5	295		23.5
	230. 21. 0475. 013		517	305	56	490	332	8	12	18	18			15.5	45.5	415.5	412.5	250		23.4
	230. 20. 0500. 013		648	434	56	620	462	10	14	18	18			45.5	45.5	545.5	542.5	330		31
	230. 20. 0500. 503		648	434	56	620	462	20	28	18	18			45.5	45.5	645.5	542.5	330		30.4
		SD. 650. 20. 00. C	648	434	56	620	462	10	14	18	$\phi 18$	583	505	46	46	545.5	542.5	660		32
	230. 20. 0500. 013		648	434	56	620	462	20	28	$\phi 18$	$\phi 18$	583	505	45.5	45.5	545.5	542.5	660		30.4
VLU200544ZT			648	434	56	620	462	10	14	$\phi 18$	$\phi 18$	588.5	499.5	47.5	47.5	545.5	542.5	800		35.4
VLU200544			648	434	56	620	462	10	14	18	18			47.5	47.5	545.5	542.5	385		31
		SD. 650. 20. 00. C	648	434	56	620	462	10	14	$\phi 18$	$\phi 18$	583	505	46	46	545.5	542.5	400		31
	230. 21. 0575. 013		647	435	56	620	462	10	14	18	18			45.5	45.5	545.5	542.5	330		31
	230. 20. 0600. 013		748	534	56	720	562	12	16	18	18			45.5	45.5	645.5	642.5	390		36.4
	230. 20. 0600. 503		748	534	56	720	562	24	32	18	18			45.5	45.5	645.5	642.5	390		35.8
		SD. 750. 20. 00. C	48	534	56	720	562	12	16	18	$\phi 18$	683	605	46	46	645.5	642.5	780		38
VLU200644ZT			748	534	56	720	562	12	16	$\phi 18$	$\phi 18$	685	602	47.5	47.5	645.5	642.5	780		38
VLU200644ZT			748	534	56	720	562	12	16	$\phi 18$	$\phi 18$	688.5	599.5	47.5	47.5	645.5	642.5	900		42
VLU200644			748	534	56	720	562	12	16	18	18			47.5	47.5	645.5	642.5	455		36.5



Technical Data:

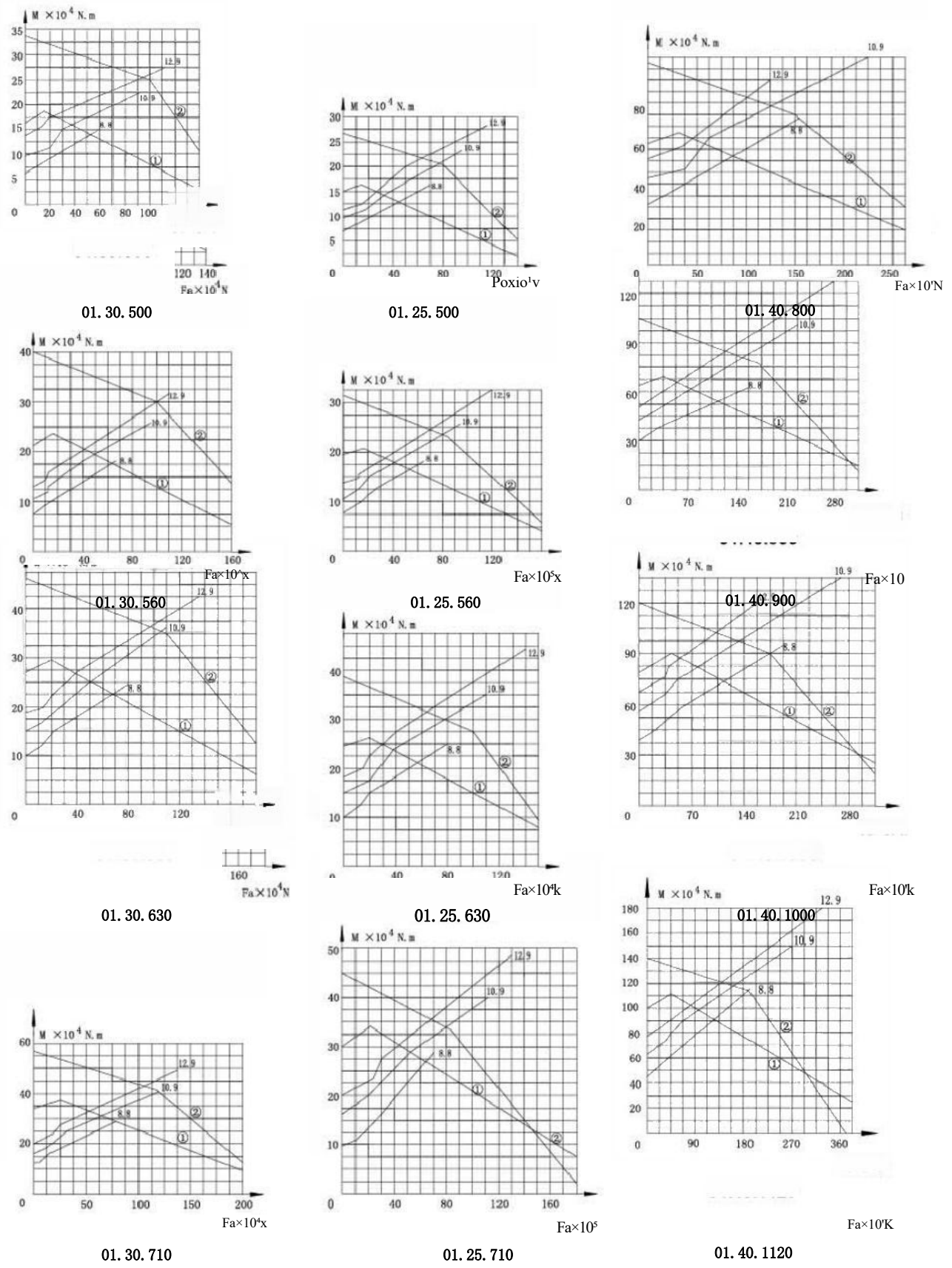
Designation			Dimensions			Mounting Hole Size						Structure dimensions						Basic load Ratings	Weight
INA	Rothe Erde	TG	D	d	H	D1	D2	n1	n2	φ 1	φ 2	D4	d2	H1	H2	d1	D3	Coa kN	kg
		SD. 750. 20. 00. C	748	534	56	720	562	12	16	φ 18	φ 18	683	605	46	46	645. 5	642. 5	460	36. 5
	230. 21. 0675. 013		747	535	56	720	562	12	16	18	18			45. 5	45. 5	645. 5	642. 5	390	36. 4
		SD. 750. 20. 00. C	746	536	56	720	562	12	16	φ 18	φ 18	683	605	46	46	645. 5	642. 5	780	38
	230. 20. 0700. 013		848	634	56	820	662	12	16	18	18			45. 5	45. 5	745. 5	742. 5	450	42. 8
	230. 20. 0700. 503		848	634	56	820	662	24	32	18	18			45. 5	45. 5	45. 5	742. 5	450	42. 2
VLU200744ZT			848	634	56	820	662	12	16	φ 18	办19	788. 5	699. 5	47. 5	47. 5	745. 5	742. 5	1050	45
VLU200744			848	634	56	820	662	12	16	18	18			47. 5	47. 5	745. 5	742. 5	530	42. 5
	230. 21. 0775. 013		847	635	56	820	662	12	16	18	18			45. 5	45. 5	745. 5	742. 5	450	42. 8
	230. 20. 0800. 013		948	734	56	920	762	14	18	18	18			45. 5	45. 5	845. 5	842. 5	510	47. 8
	230. 20. 0800. 503		948	734	56	920	762	28	36	18	18			45. 5	45. 5	845. 5	842. 5	510	47. 1
		SD. 950. 20. 00. C	948	734	56	920	762	14	18	18	φ 18	883	805	46	46	845. 5	842. 5	1030	50
VLU200844ZT			948	734	56	920	762	14	18	610	φ 18	888. 5	799. 5	17. 5	47. 5	845. 5	342. 5	1200	53. 8
VLU200844			948	734	56	920	762	14	18	18	18			47. 5	47. 5	845. 5	842. 5	600	48
	230. 21. 0875. 013		947	735	56	920	762	14	18	18	18			45. 5	45. 5	845. 5	842. 5	510	47. 8
		SD. 950. 20. 00. C	946	736	56	920	762	14	18	φ 18	φ 18	883	805	46	46	845. 5	842. 5	1030	50
	280. 30. 0900. 013		1100	805	90	1060	845	30	30	22	22			71	71	953. 5	956. 5	1750	131
	280. 30. 0900. 013		1100	805	90	1060	845	30	30	22	22			71	71	953. 5	956. 5	1750	131
VLU 300955			1100	805	90	1060	845	30	30	22	22			71	71	953	957	2550	135
		SD. 1100. 32. 00. C	1100	805	90	060	845	30	30	φ 22	φ 22	1017	893	71	71	955	955	2250	131
	280. 30. 0975. 013		1098	807	90	1060	845	30	30	22	22			71	71	953. 5	956. 5	1750	131

Technical Data:

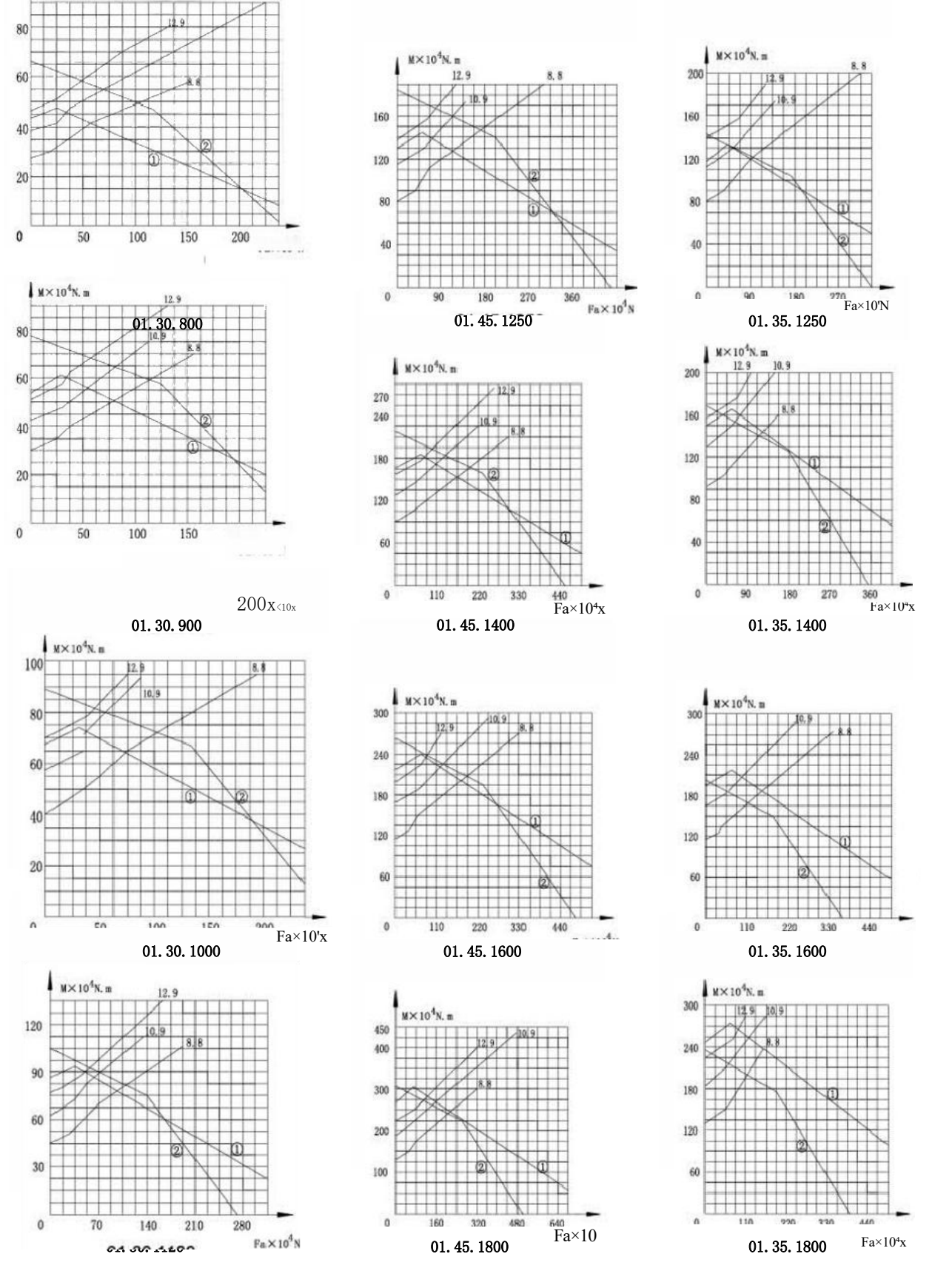
Designation			Dimensions			Mounting Hole Size						Structure dimensions						Basic load Ratings	Weight
INA	Rothe Erde	TG	D	d	H	D1	D2	n1	n2	φ 1	φ 2	D4	d2	H1	H2	di	D3	0 kN	kg
	230. 20. 0900. 013		1048	834	56	1020	862	16	20	18	18			45. 5	0	945. 5	942. 5	570	53. 1
	230. 20. 0900. 503		1048	834	56	1020	862	32	40	18	18			45. 5	45. 5	945. 5	942. 5	570	52. 3
		SD. 1050. 20. 00. C	1048	834	56	020	862	16	20	18	φ 18	983	905	46	46	945. 5	942. 5	1440	55. 6
VLU200944ZT			1048	834	56	1020	862	16	20	φ 18	φ 18	988. 5	899. 5	47. 5	47. 5	945	942. 5	1350	61
VLU200944			1048	834	56	020	862	16	20	18	18			47. 5	47. 5	045. 5	942. 5	670	54
	230. 21. 0975. 013		1047	835	56	020	862	16	20	18	18			45. 5	45. 5	945. 5	942. 5	570	53. 1
	280. 30. 1000. 013		1200	905	90	116	945	30	30	22	22			71	71	1053. 5	1056. 5	1840	145
VLU301055			1200	905	90	L160	945	30	30	22	22			71	71	1053	1057	2800	149
		SD. 1200. 32. 00. C	1200	905	90	1160	945	30	30	φ 22	φ 22	1117	993	71	71	1055	1055	2500	145
	280. 30. 1075. 013		1198	907	90	1160	945	30	30	22	22			71	71	1053. 5	1056. 5	1840	145
	230. 20. 1000. 013		1198	984	56	170	012	16	20	18	18			45. 5	45. 5	095. 5	092. 5	665	61. 9
	230. 20. 1000. 503		1198	984	56	1170	1012	32	40	18	18			45. 5	45. 5	1095. 5	1092. 5	665	61. 1
		SD. 1200. 20. 00. C	1198	984	56	1170	1012	16	20	18	φ 18	1133	1055	46	46	1095. 5	1092. 5	1700	62. 8
VLU 201094			1198	984	56	1170	1012	16	20	18	18			47. 5	47. 5	1095. 5	1092. 5	770	62. 5
		SD. 1200. 20. 00. C	1198	984	56	1170	1012	16	20	φ 18	φ 18	1133	1055	46	46	1095. 5	1092. 5	780	62
	230. 21. 1075. 013		1197	985	56	1170	1012	16	20	18	18			45. 5	45. 5	1095. 5	1092. 5	665	61. 9
	280. 30. 1100. 013		1300	1005	90	1260	1045	36	36	22	22			71	71	1153. 5	1156. 5	1900	159
VLU 301155			1300	1005	90	260	1045	36	36	22	22			71	71	1153	1157	3100	164
		SD. 1300. 32. 00. C	1300	1005	90	1260	1045	36	36	φ 22	φ 22	1217	1093	71	71	1155	1155	2700	159
	280. 30. 1175. 013		1298	1007	90	1260	1045	36	36	22	22			71	71	1153. 5	1156. 5	1900	159
	280. 30. 1200. 013		1400	1105	90	1360	1145	42	42	22	22			71	71	1253. 5	1256. 5	1950	172
VLU 301255			1400	1105	90	1360	1145	42	42	22	22			71	71	1253	1257	3350	177
		SD. 1400. 32. 00. C	1400	1105	90	1360	1145	42	42	φ 22	φ 22	1317	1193	71	71	1255	1255	3000	172
	280. 30. 1275. 013		1398	1107	90	1360	1145	42	42	22	22			71	71	1253. 5	1256. 5	1950	172
	280. 30. 1300. 013		1500	205	90	460	245	42	42	22	22			71	71	1353. 5	1356. 5	2000	186
VLU 301355			1500	1205	90	1460	1245	42	42	22	22			71	71	1353	1357	3600	191
		SD. 1500. 32. 00. C	1500	1205	90	1460	1245	42	42	φ 22	φ 22	1417	1293	71	71	1355	1355	3260	186
	280. 30. 1375. 013		1498	207	90	1460	245	42	42	22	22			71	71	1353. 5	1356. 5	2000	86
	280. 30. 1400. 013		1600	1305	90	1560	1345	48	48	22	22			71	71	1453. 5	1456. 5	2050	200
	280. 30. 1400. 013		1600	1305	90	1560	1345	48	48	φ 22	φ 22	1517	1393	71	71	1456. 5	1453. 5	4100	200
VLU 301455			1600	1305	90	1560	1345	48	48	22	22			71	71	1453	1457	4000	206
		SD. 1600. 32. 00. C	1600	1305	90	1560	1345	48	48	φ 22	φ 22	1517	1393	71	71	1455	1455	3440	200
	280. 30. 1475. 013		1598	1307	90	1560	1345	48	48	22	22			71	71	1453. 5	1456. 5	2050	200



FOUR POINT CONTACT BALL SLEWING BEARING LOAD CURVE



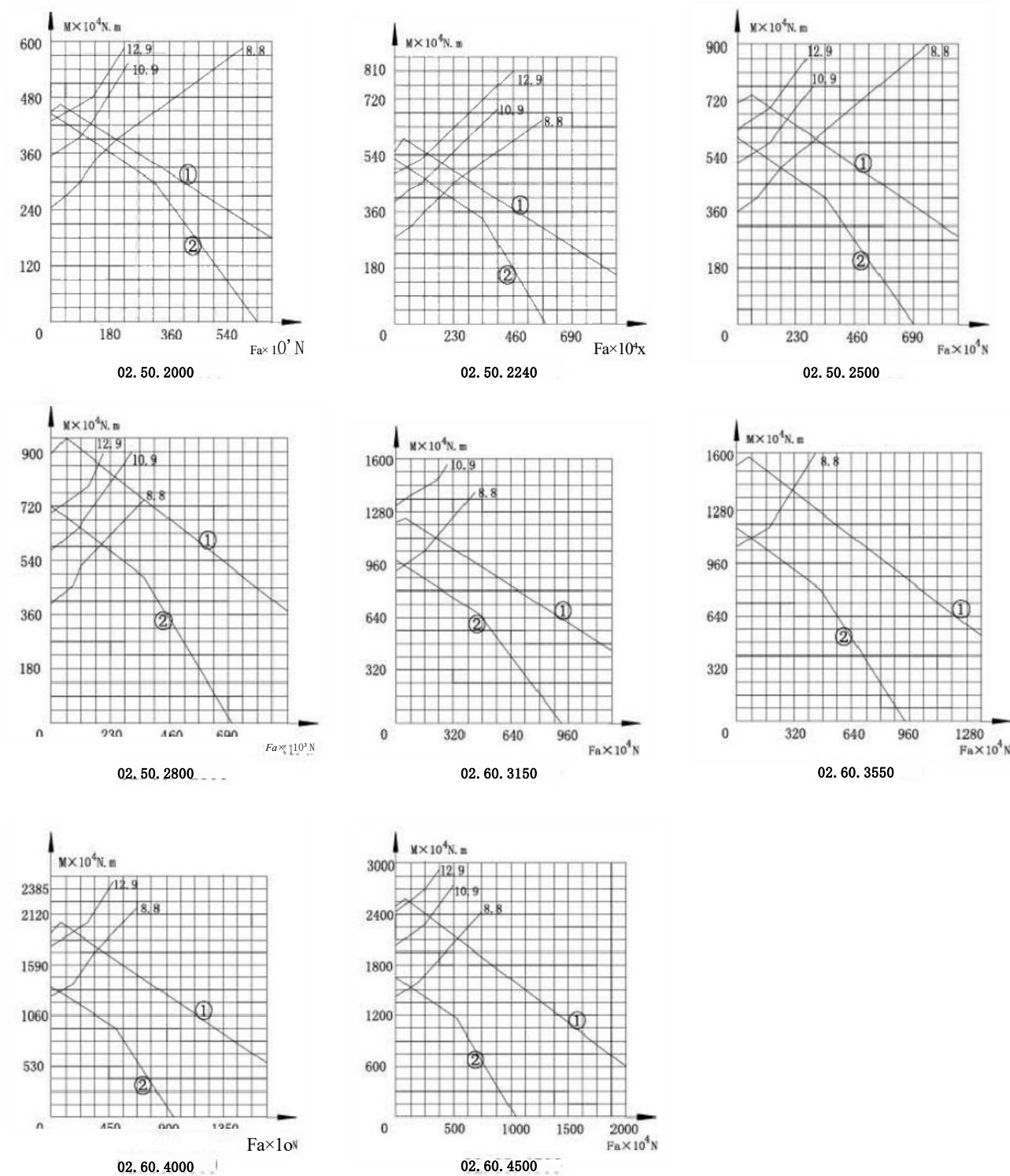
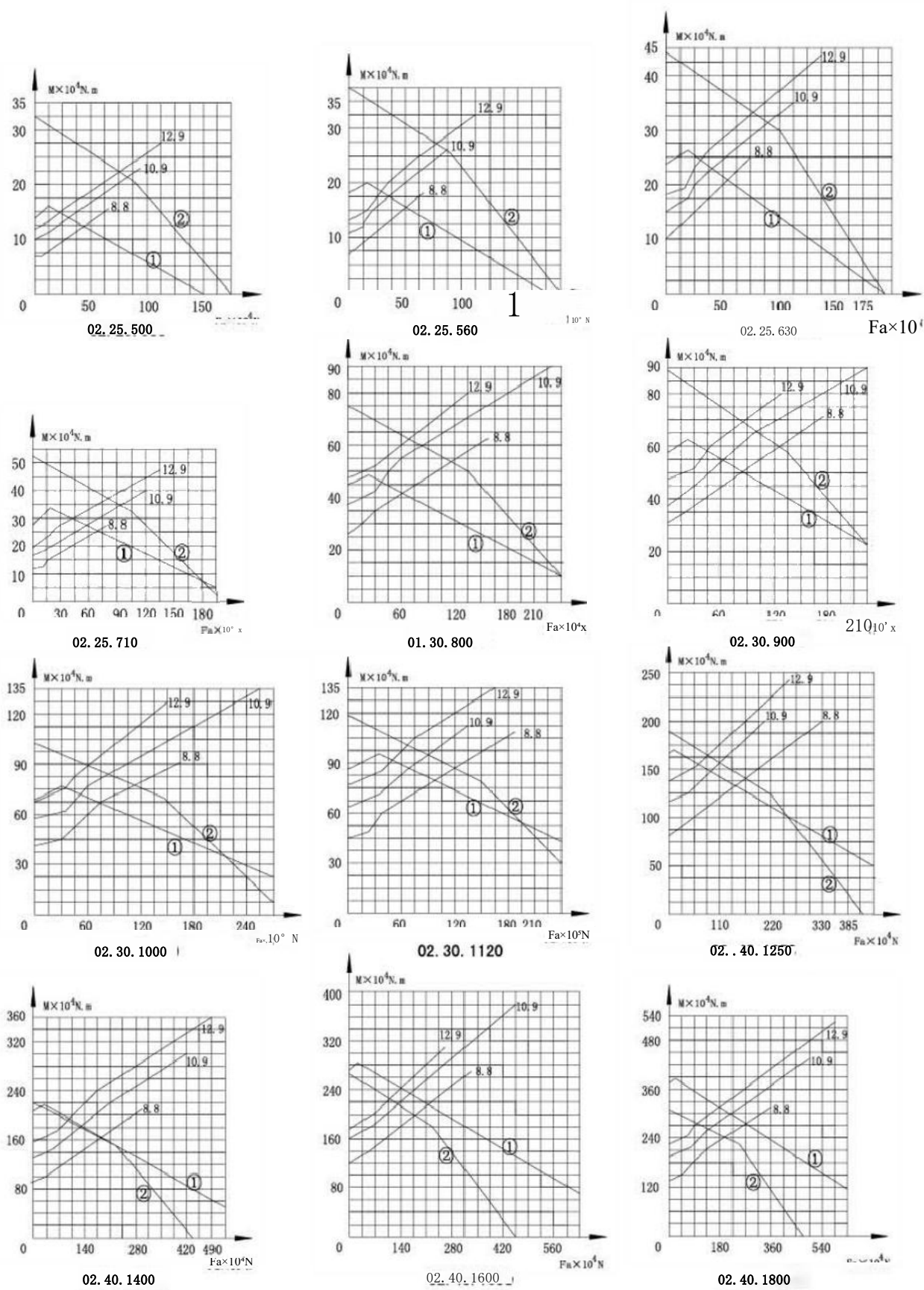
FOUR POINT CONTACT BALL SLEWING BEARING LOAD CURVE



JRZC®

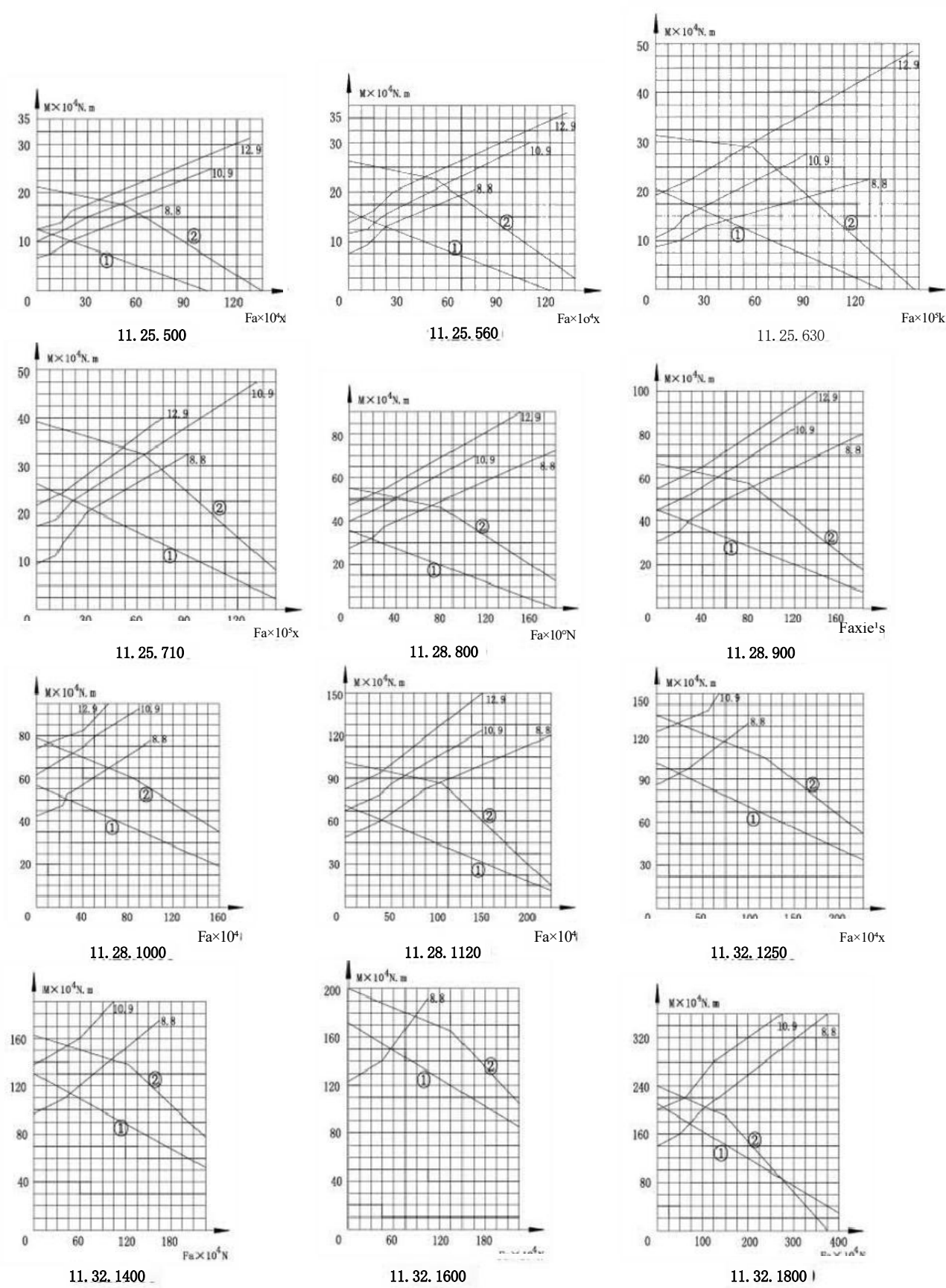
DOUBLE ROW BALL SLEWING BEARING LOAD CURVE

DOUBLE ROW BALL SLEWING BEARING LOAD CURVE

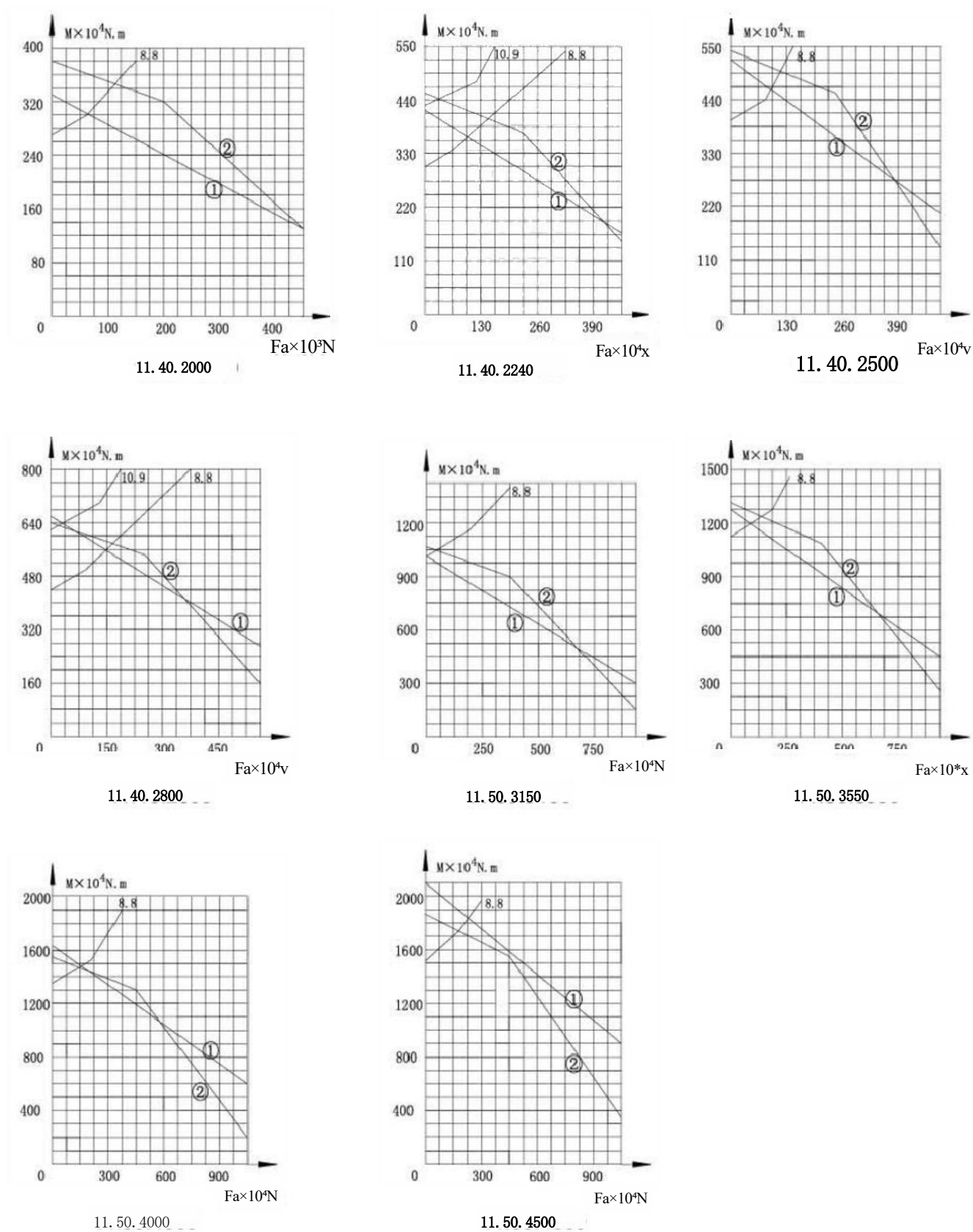


JRZC®

CROSSED ROLLER SLEWING BEARINGC LOAD CURVE

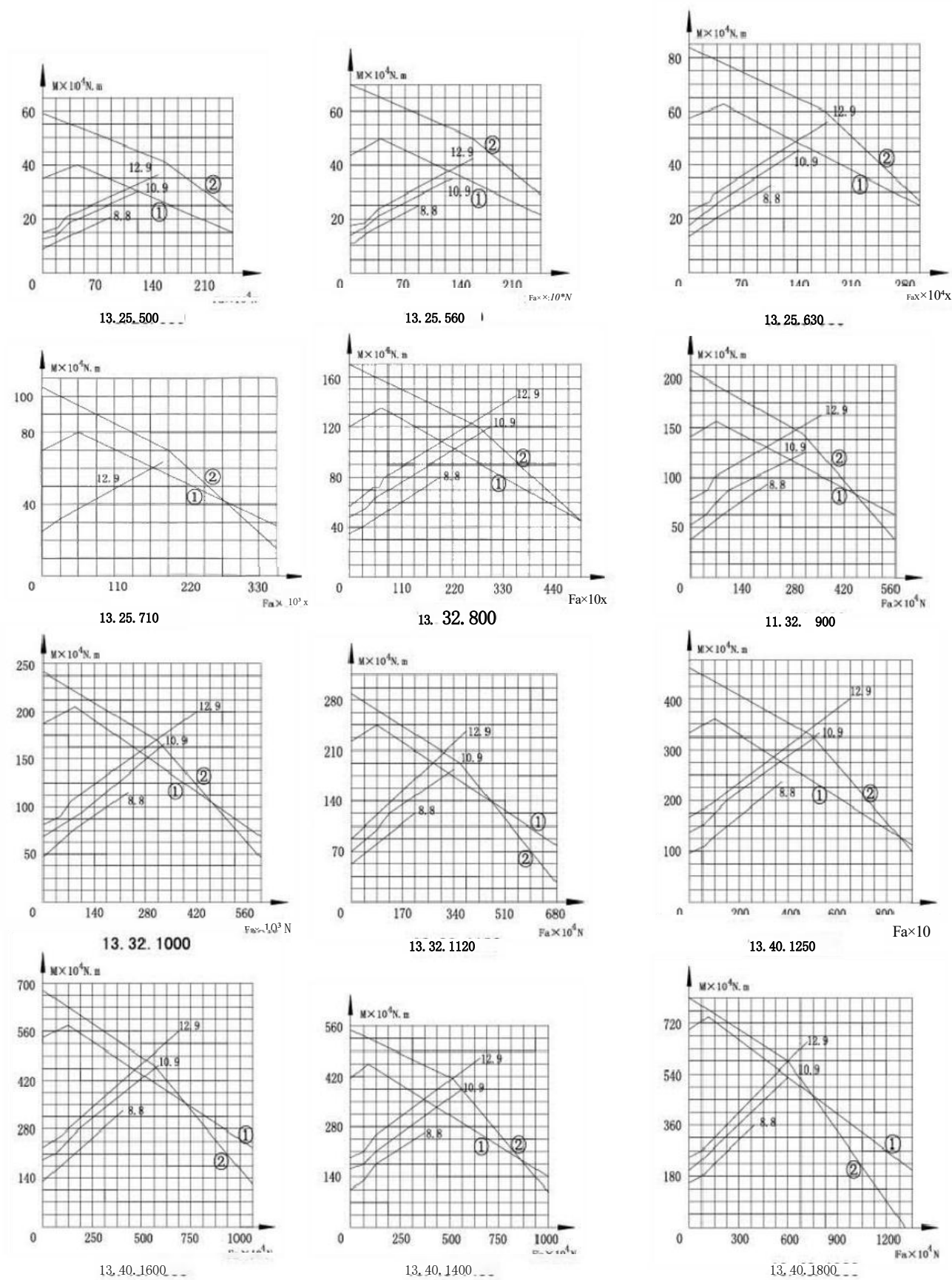


CROSSED ROLLER SLEWING BEARINGC LOAD CURVE

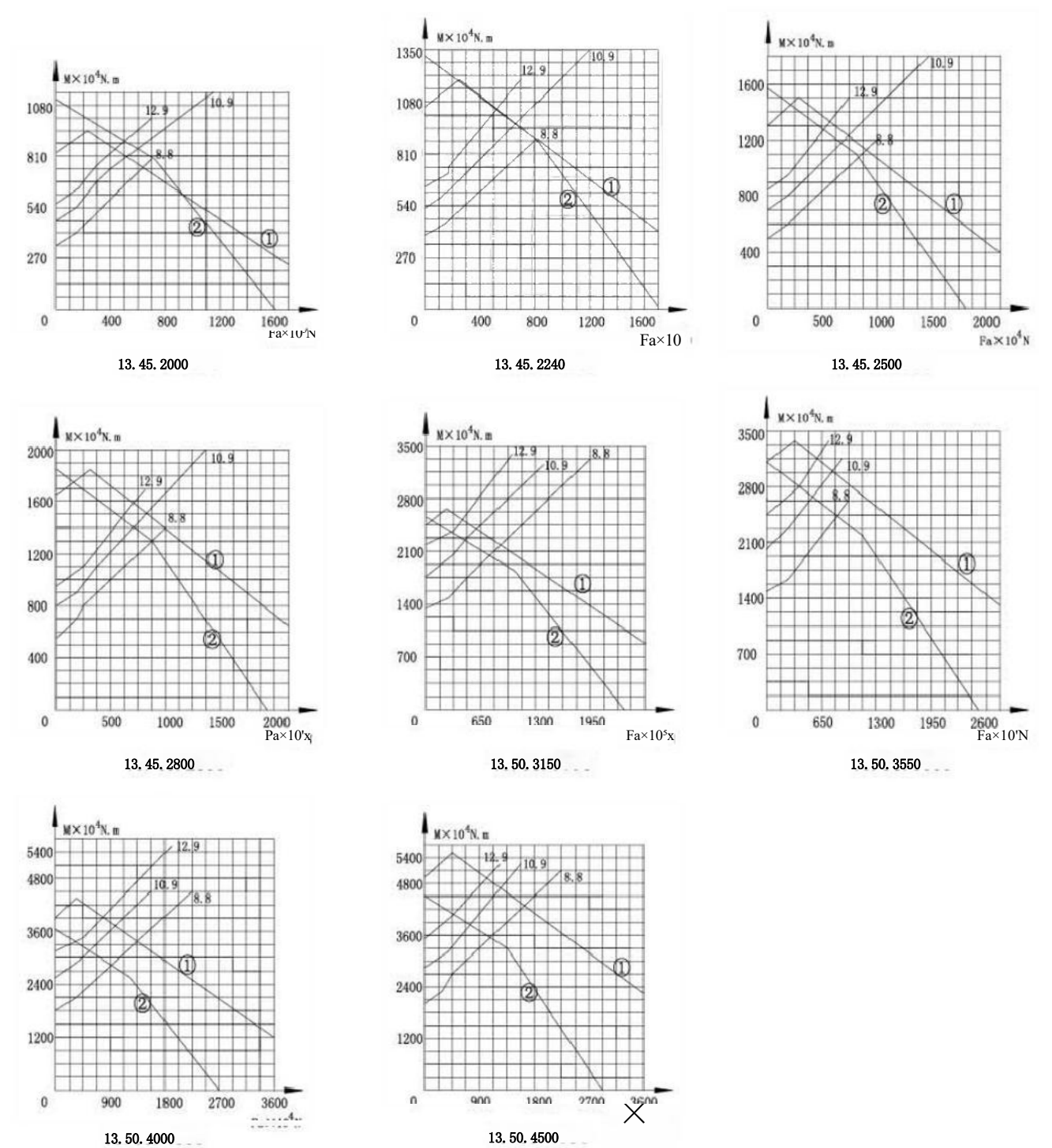


JRZC®

THREE ROW ROLLER SLEWING BEARING LOAD CURVE

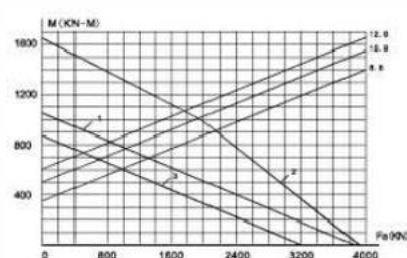


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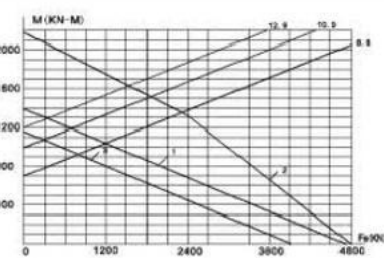




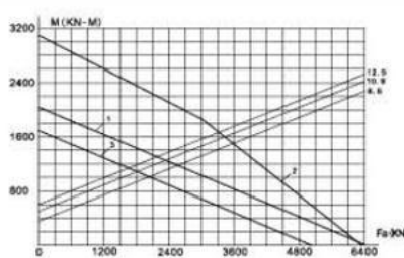
CROSSED ROLLER SLEWING BEARING LOAD CURVE



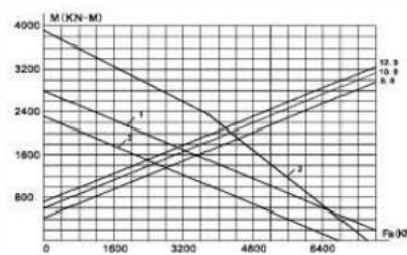
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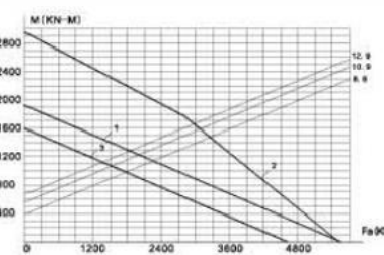
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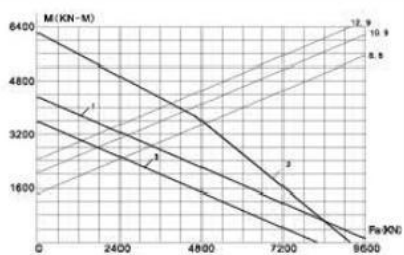
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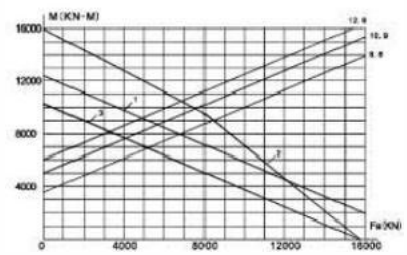
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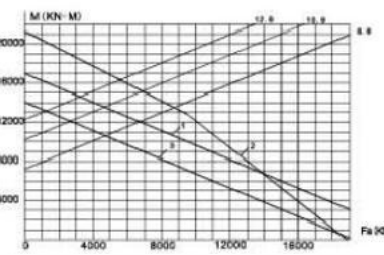
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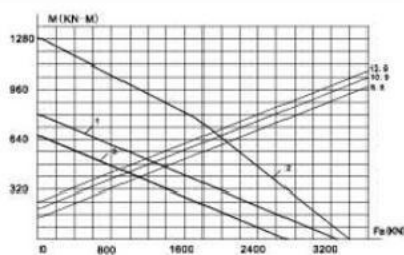
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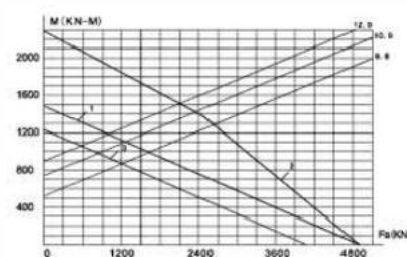
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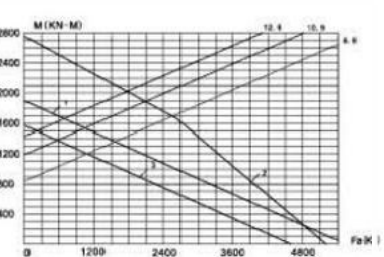
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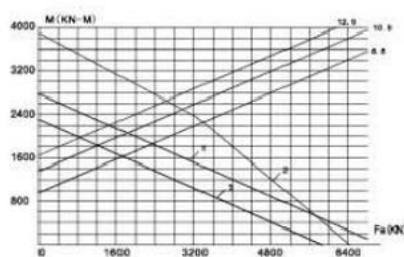
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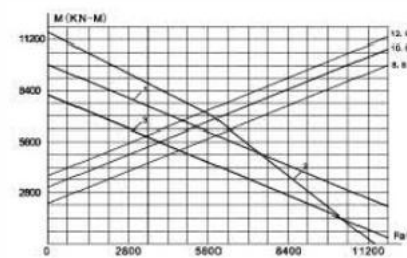
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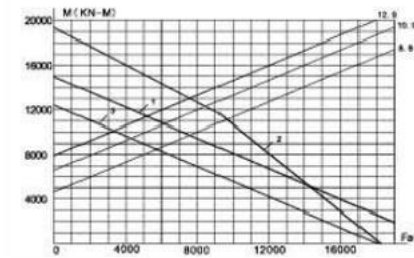
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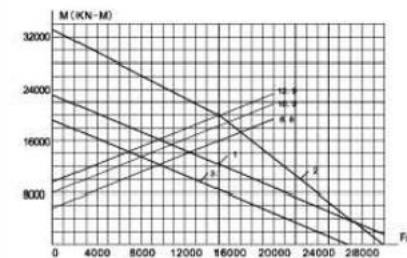
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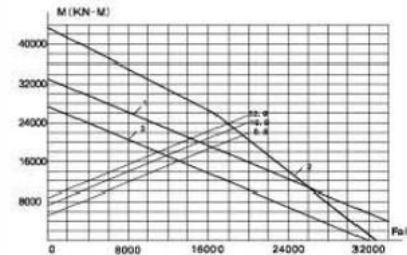
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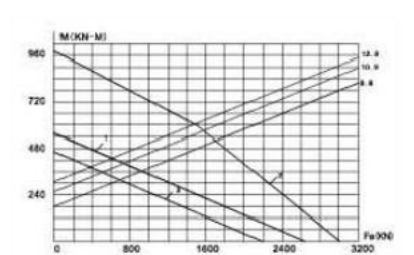
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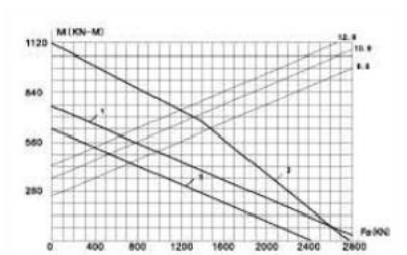
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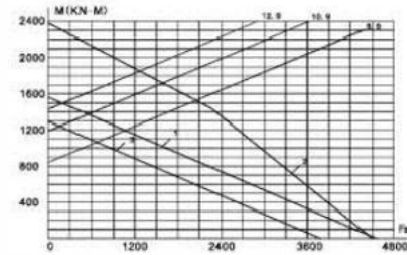
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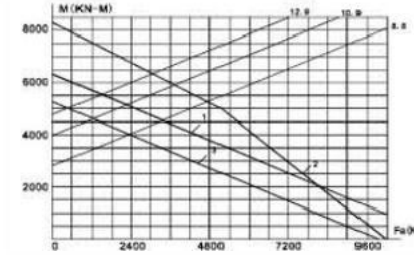
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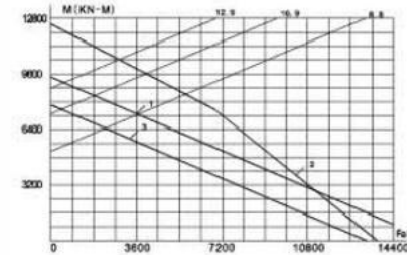
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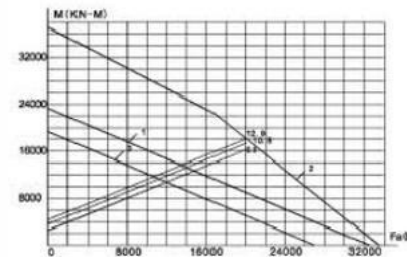
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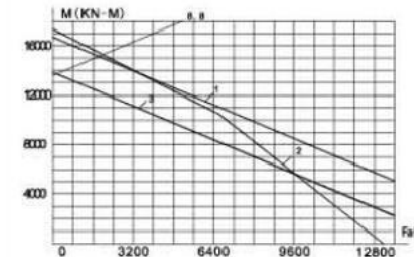
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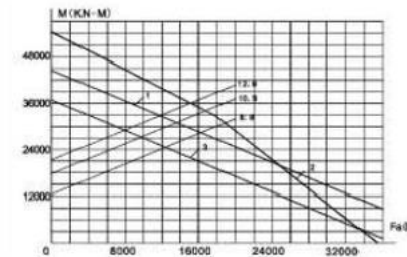
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3-943G2



2797/3780G2

CROSSED ROLLER SLEWING BEARING LOAD CURVE