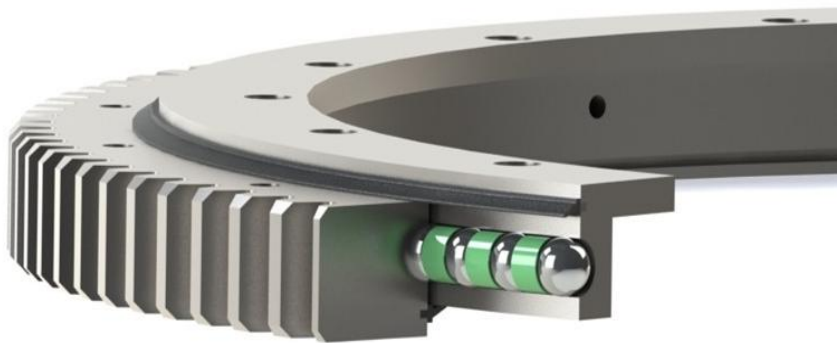
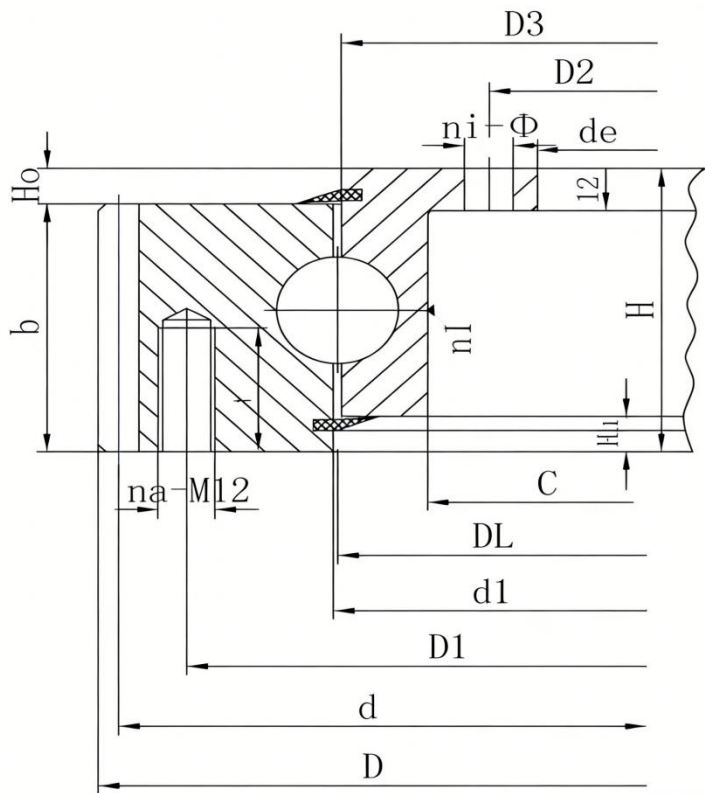


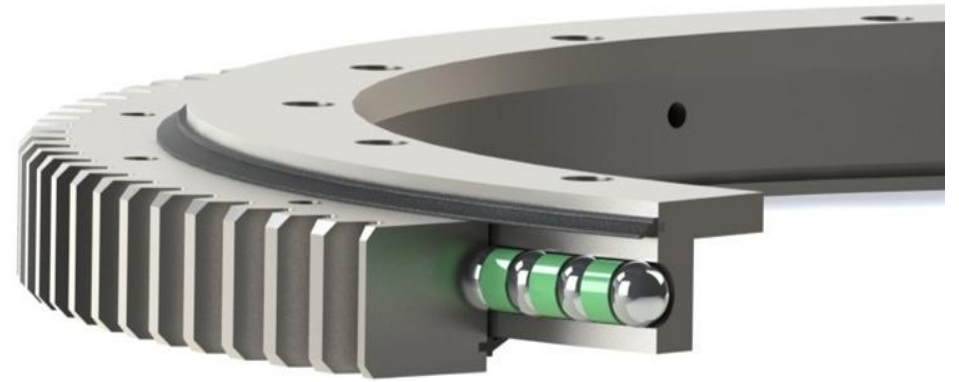
Thin Section Flange Slewing Bearing

(External Gear 231)



Model	Wei ght kg	Dimensions			Mounting Dimensions							Structural Dimension						Gear data				
		D mm	de mm	H mm	D1 mm	D2 mm	na	Ø/M mm	ni mm	Ø/M mm	t	n1 mm	D3 mm	d1 mm	C mm	Hu mm	Ho mm	d mm	m	z	b	K.m
231.20.0414	29.0	504	304	56	455	332	10	M12	24	18	20	4	412.5	415.5	375	10.5	10.5	495	5	99	45.5	-0.5
231.20.0544	39.2	640.8	434	56	585	462	14	M12	28	18	20	4	542.5	545.5	505	10.5	10.5	630	6	105	45.5	-0.5
231.20.0644	47.2	742.8	534	56	685	562	16	M12	32	18	20	4	642.5	645.5	605	10.5	10.5	732	6	122	45.5	-0.6
231.20.0744	53.1	838.8	634	56	785	662	18	M12	32	18	20	4	742.5	745.5	705	10.5	10.5	828	6	138	45.5	-0.6
231.20.0844	64.7	950.4	734	56	885	762	18	M12	36	18	20	4	842.5	845.5	805	10.5	10.5	936	8	117	45.5	-0.8
231.20.0944	69.1	1046.4	834	56	985	862	20	M12	40	18	20	4	942.5	945.5	905	10.5	10.5	1032	8	129	45.5	-0.8
231.20.1094	82.4	1198.4	984	56	1135	1012	22	M12	40	18	20	4	1092.5	1095.5	1055	10.5	10.5	1184	8	148	45.5	-0.8

Model	Corresponding type					
	INA	SKF	KAYDON	IMO	Torriani	Rollix
231.20.0414	VLA200414	RKS.21 0411	RK6-16E1Z	91-20 0411	E.505.20.00.C	21-0411-01
231.20.0544	VLA200544	RKS.21 0541	RK6-22E1Z	91-20 0541	E.650.20.00.C	21-0541-01
231.20.0644	VLA200644	RKS.21 0641	RK6-25E1Z	91-20 0641	E.750.20.00.C	21-0641-01
231.20.0744	VLA200744	RKS.21 0741	RK6-29E1Z	91-20 0741	E.850.20.00.C	21-0741-01
231.20.0844	VLA200844	RKS.21 0841	RK6-33E1Z	91-20 0841	E.950.20.00.C	21-0841-01
231.20.0944	VLA200944	RKS.21 0941	RK6-37E1Z	91-20 0941	E.1050.20.00.C	21-0941-01
231.20.1094	VLA201094	RKS.21 1091	RK6-43E1Z	91-20 1091	E.1200.20.00.C	21-1091-01



Model	Weight kg	Mounting Dimensions						Gear data			Corresponding type	
		Da mm	di mm	La mm	Na mm	Li mm	ni mm	Do mm	m	z	IMO	Torriani
281.30.0900	165	1098	805	1016	30	845	30	1080	9	120	91-32 0955	E.1100.32.00.C
281.30.1000	183	1200	905	1160	30	945	30	1180	10	118	91-32 1055	E.1200.32.00.C
281.30.1100	200	1300	1005	1260	36	1045	36	1280	10	128	91-32 1155	E.1300.32.00.C
281.30.1200	216	1400	1105	1360	42	1145	42	1380	10	138	91-32 1255	E.1400.32.00.C
281.30.1300	234	1500	1205	1460	42	1245	42	1480	10	148	91-32 1355	E.1500.32.00.C
281.30.1400	250	1600	1305	1560	48	1345	48	1580	10	158	91-32 1455	E.1600.32.00.C

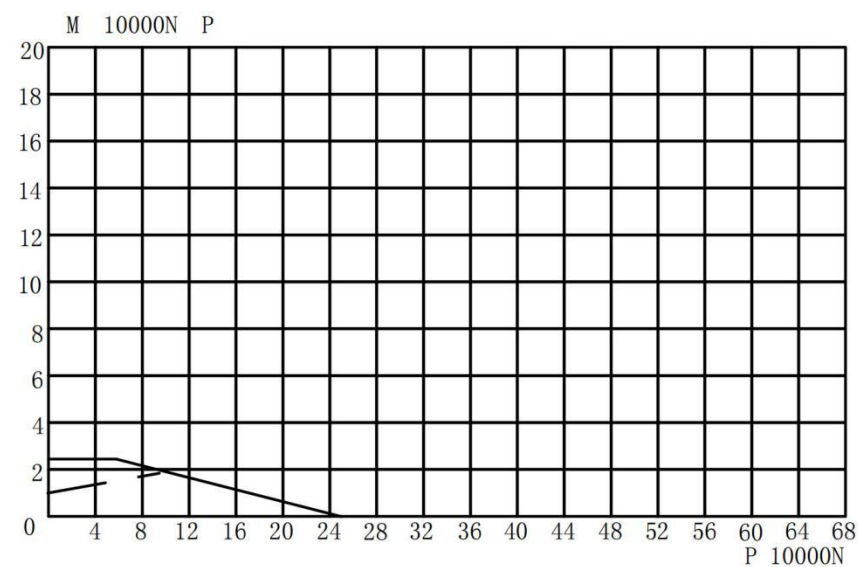


Fig. 1 23. 20. 0414

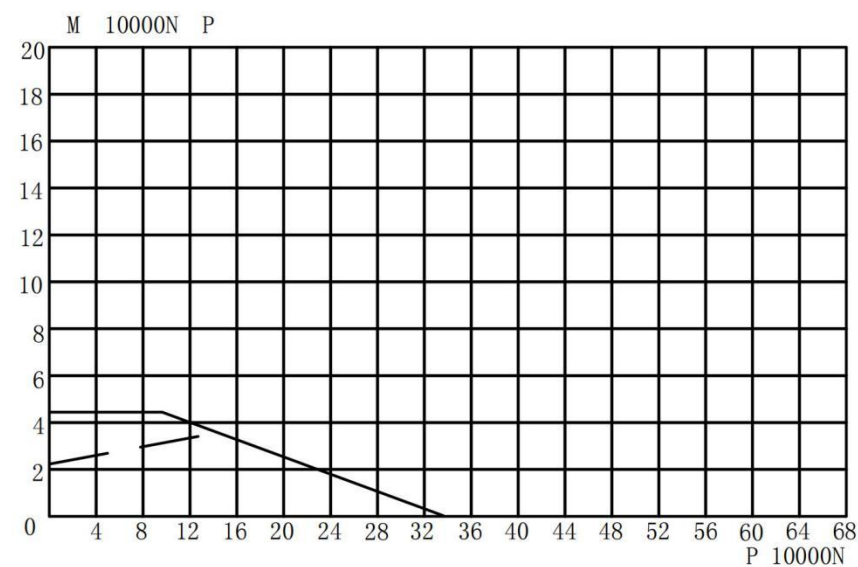


Fig. 2 23. 20. 0544

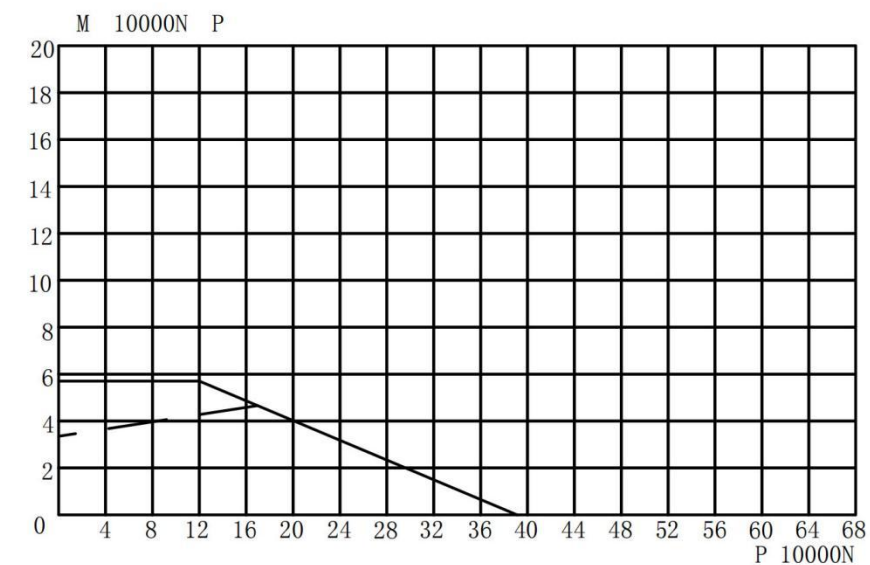


Fig. 3 23. 20. 0644

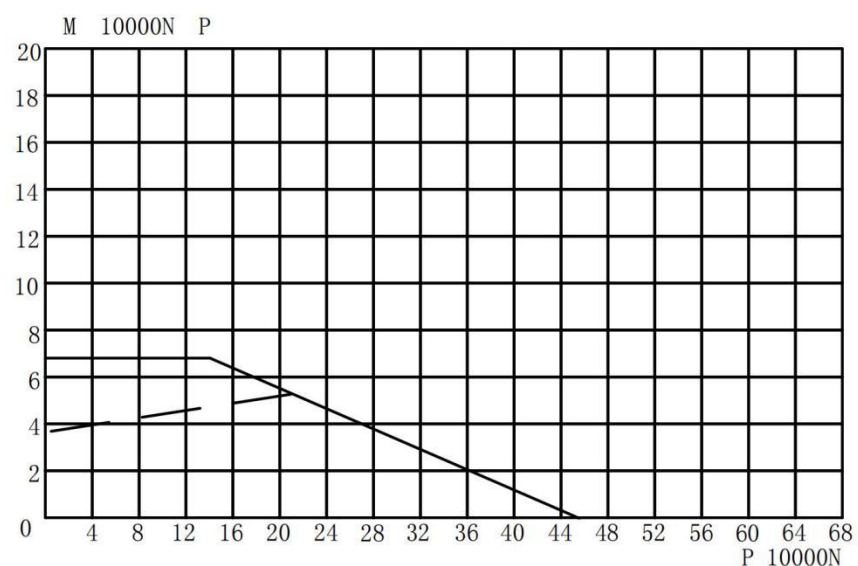


Fig. 4 23. 20. 0744

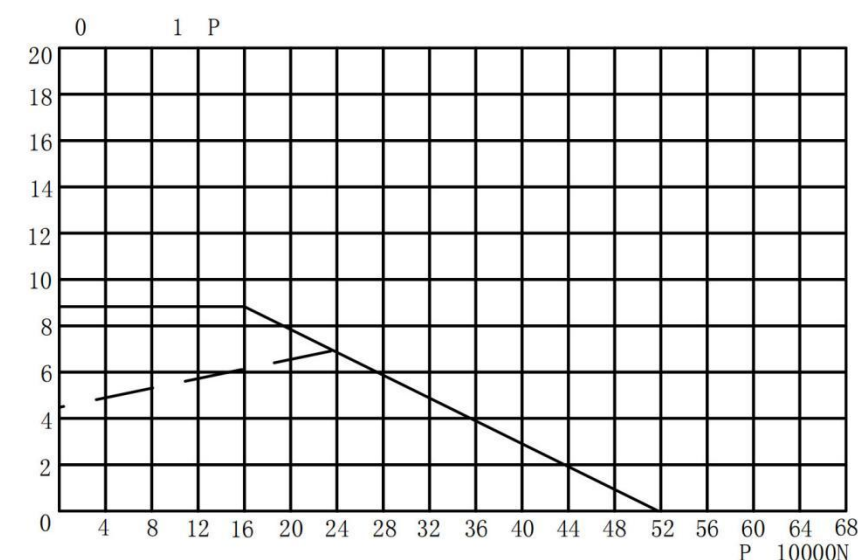


Fig. 5 23. 20. 0844

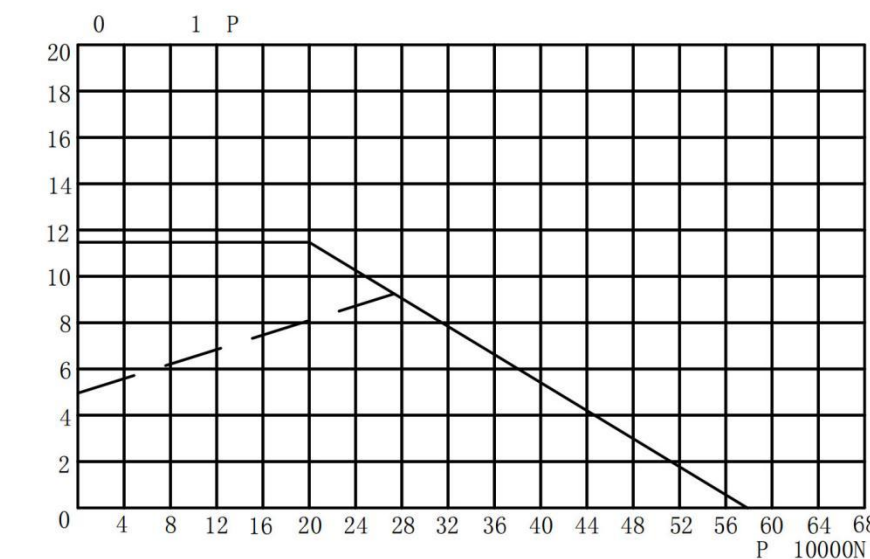


Fig. 6 23. 20. 0944

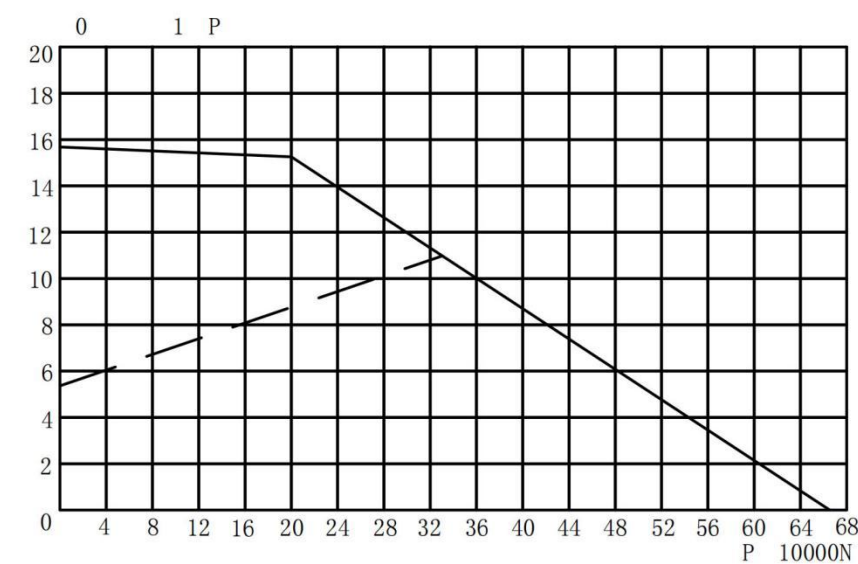
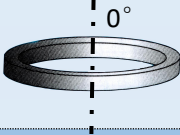
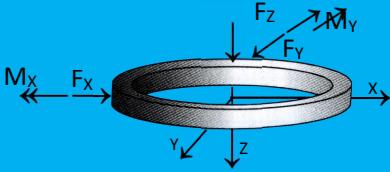


Fig. 7 23. 20. 1094

Application Questionnaire

Application			
Axis of rotation (Unit: Degree)	 		
Mounting position	Horizontal ☐	Suspend ☐	Vertical ☐
Number of motors			
Position of motor on lever (Unit:Degree)			

Load

	1	2	3	4
	Operating load	Max.working load	Testing load	Extreme load (out of operation)
Axial force Fz KN				
Radial force Fx KN				
Radial force Fy KN				
Moment Mx KNm				
Moment My KNm				
Load percentage				
Ratio Percentage				

Operating Condition

Environment(dust,water,seaeater,chemical substance,and etc)	
Operating temperature	℃
Working time	hour/day
Rotation time	%
Oscillating frequency	1/hour
Mean rotating degree each oscillating moment	°