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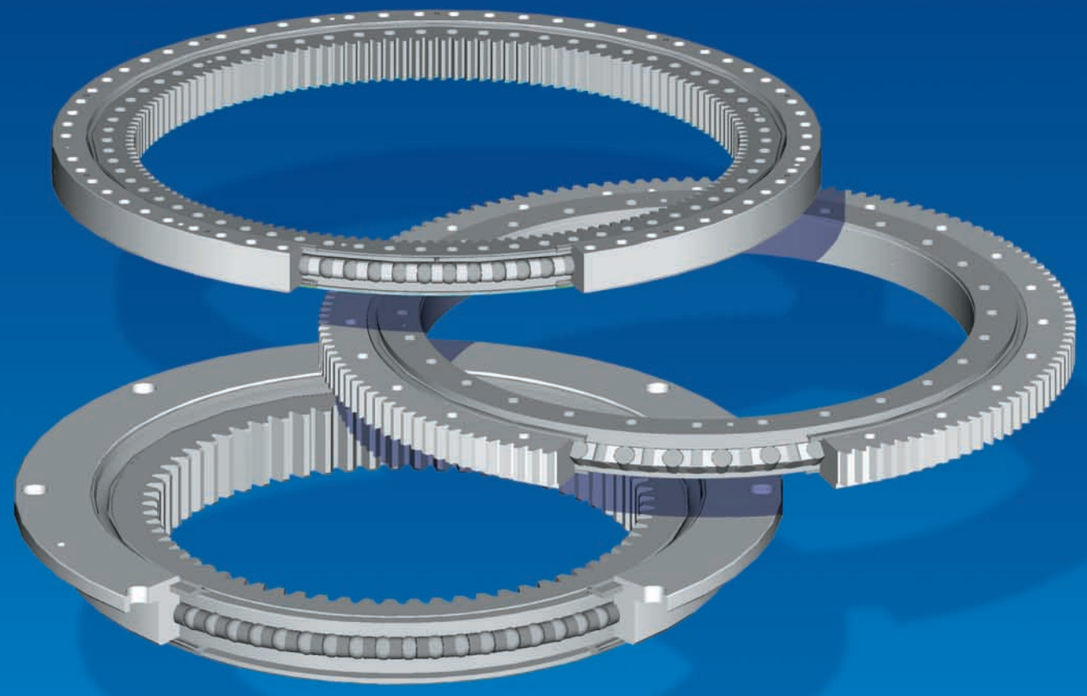
Reg. 471 8 - 2003/09/1000

Produced in France by SynergenceMajeure.

SKF

SKF slewing bearings stock range



SKF

SKF slewing bearings stock range

Recommended range

- ball design
- roller design

1

L-shape range

- ball design

2

Other standard items

- ball design
- roller design

3

Please note that stock items included in this leaflet do not represent
our complete range and that new items may be added in the future.

In addition we manufacture a full range of slewing
bearings up to 7 meters and more with the following designs :
Three row rollers, Double row, Cross rollers, Roller ball bearing, Wire race, Ball bearing.

Recommended range

We offer a recommended range of 42 items balls and crossed rollers designs in size range from 400 mm to 1900 mm

- Easy to select
- From stock
- Interchangeable
- Cost effective solution
- Compete with market leaders
- Reference range for new products

Ball design is a simple design for low demanding applications and allows

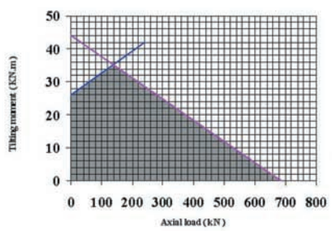
- A better static capacity for oscillating movements
- A better resistance to structure deformations (clearance)
- A lower friction rate

Crossed roller design is intended for the most demanding applications and allows

- A better dynamic capacity and a long service life
- A better stiffness due to the preload
- A better resistance to false brinelling and vibrations

How to use the static limit curve

- Select for one bearing the associated load curve
- The solid line shows the utilization limit curve for the raceways
- The dotted line shows the utilization limit curve for the bolting



The slewing bearing is suitable for the application only when the functional point is located in the grey area.

Tolerances for diameters

external gear				
series	**inner diameter**	**tolerances**	**external diameter**	**tolerances**
0414	342	+/- 1	503,3	+/- 0.25
0544	472	+/- 1	640,3	+/- 0.30
0644	572	+/- 1	742,3	+/- 0.30
0744	672	+/- 1	838,1	+/- 0.30
0844	772	+/- 1	950,1	+/- 0.40
0944	872	+/- 1	1046,1	+/- 0.40
1094	1022	+/- 1	1198,1	+/- 0.40
1204	1119	+/- 1	1338	+/- 0.50
1314	1229	+/- 1	1448	+/- 0.50
1424	1339	+/- 1	1558	+/- 0.50
1534	1449	+/- 1	1668	+/- 0.50
1644	1536	+/- 1	1791	+/- 0.50
1754	1646	+/- 1	1901	+/- 0.50
1904	1796	+/- 1	2073	+/- 0.70

internal gear				
series	**inner diameter**	**tolerances**	**external diameter**	**tolerances**
0414	325	+/- 0.25	486	+/- 1
0544	444	+/- 0.30	616	+/- 1
0644	546	+/- 0.30	716	+/- 1
0744	648	+/- 0.30	816	+/- 1
0844	736	+/- 0.40	916	+/- 1
0944	840	+/- 0.40	1016	+/- 1
1094	984	+/- 0.40	1166	+/- 1
1204	1072	+/- 0.50	1289	+/- 1
1314	1182	+/- 0.50	1399	+/- 1
1424	1292	+/- 0.50	1509	+/- 1
1534	1402	+/- 0.50	1619	+/- 1
1644	1495	+/- 0.50	1752	+/- 1
1754	1605	+/- 0.50	1862	+/- 1
1904	1729	+/- 0.70	2012	+/- 1

without gear				
series	**inner diameter**	**tolerances**	**external diameter**	**tolerances**
0414	342	+/- 1	486	+/- 1
0544	472	+/- 1	616	+/- 1
0644	572	+/- 1	716	+/- 1
0744	672	+/- 1	816	+/- 1
0844	772	+/- 1	916	+/- 1
0944	872	+/- 1	1016	+/- 1
1094	1022	+/- 1	1166	+/- 1
1204	1119	+/- 1	1289	+/- 1
1314	1229	+/- 1	1399	+/- 1
1424	1339	+/- 1	1509	+/- 1
1534	1449	+/- 1	1619	+/- 1
1644	1536	+/- 1	1752	+/- 1
1754	1646	+/- 1	1862	+/- 1
1904	1796	+/- 1	2012	+/- 1

Gear quality : ISO 12
Bolting class : 10,9

Four point contact slewing bearings with external gear teeth

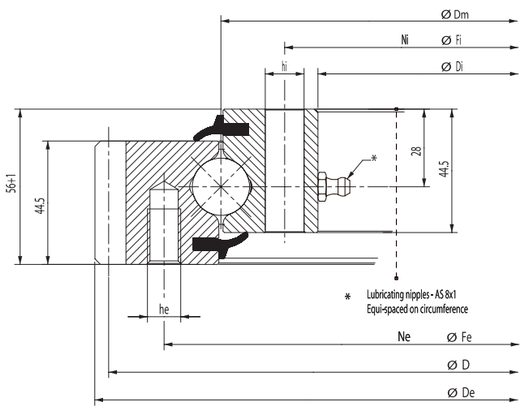


Figure A

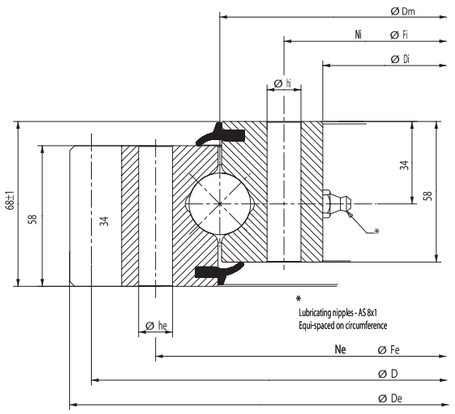
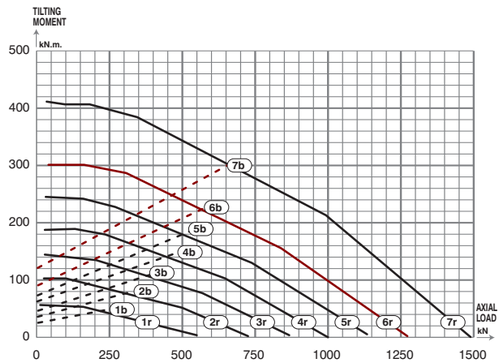


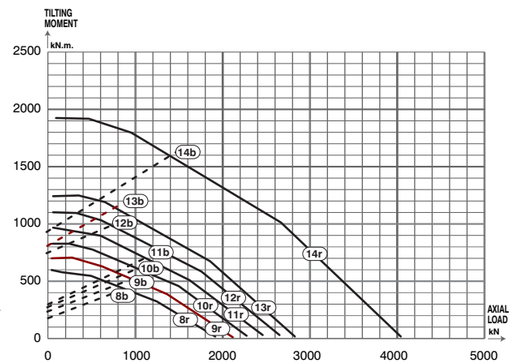
Figure B

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

1

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

Main dimensions				Fixing holes					Gear teeth			Tooth force		Mass		Basic load rating		curves*		
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni	D	m	Z	Norm. Tooth	Max. Tooth force		Fig N°	axial dyn. C	axial stat. Co	raceways (r)	bolt (b)	Designation
mm	mm	mm	mm	mm		mm	mm		mm			kN	kN	Kg		kN	kN			
503,3	414	342	455	M12	20	368	14	24	495	5	99	17	31	31	A	169	560	1r	1b	**RKS.061.20.0414**
640,3	544	472	585	M12	28	498	14	32	630	6	105	23	42	43	A	188	740	2r	2b	**RKS.061.20.0544**
742,3	644	572	685	M12	32	598	14	36	732	6	122	23	42	52	A	200	880	3r	3b	**RKS.061.20.0644**
838,1	744	672	785	M12	36	698	14	40	828	6	138	23	42	59	A	211	1010	4r	4b	**RKS.061.20.0744**
950,1	844	772	885	M12	36	798	14	40	936	8	117	32	57	71	A	222	1150	5r	5b	**RKS.061.20.0844**
1046,1	944	872	985	M12	40	898	14	44	1032	8	129	32	57	77	A	231	1280	6r	6b	**RKS.061.20.0944**
1198,1	1094	1022	1135	M12	44	1048	14	48	1184	8	148	32	57	91	A	244	1490	7r	7b	**RKS.061.20.1094**
1338	1204	1119	1257	16	45	1151	16	45	1310	10	131	49	88	135	B	371	1943	8r	8b	**RKS.061.25.1204**
1448	1314	1229	1367	16	50	1261	16	50	1420	10	142	49	88	147	B	383	2124	9r	9b	**RKS.061.25.1314**
1558	1424	1339	1477	16	54	1371	16	54	1530	10	153	49	88	159	B	395	2304	10r	10b	**RKS.061.25.1424**
1668	1534	1449	1587	16	60	1481	16	60	1640	10	164	49	88	171	B	406	2485	11r	11b	**RKS.061.25.1534**
1791	1644	1536	1708	22	54	1580	22	54	1760	10	176	49	88	211	B	416	2666	12r	12b	**RKS.061.25.1644**
1901	1754	1646	1818	22	60	1690	22	60	1870	10	187	49	88	225	B	424	2847	13r	13b	**RKS.061.25.1754**
2073,4	1904	1796	1968	22	64	1840	22	64	2030	14	145	69	124	270	B	571	4048	14r	14b	**RKS.061.30.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

Four point contact slewing bearings with internal gear

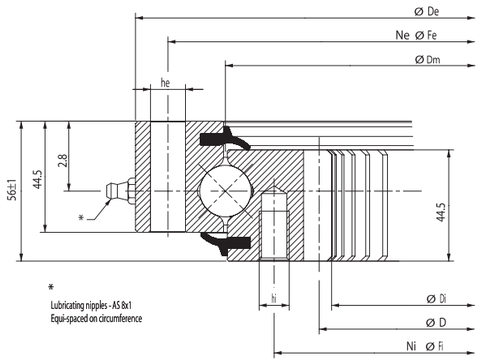


Figure C

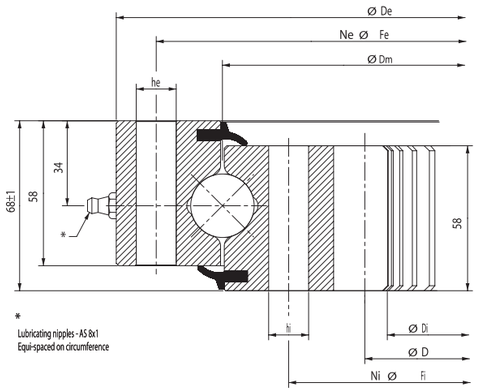
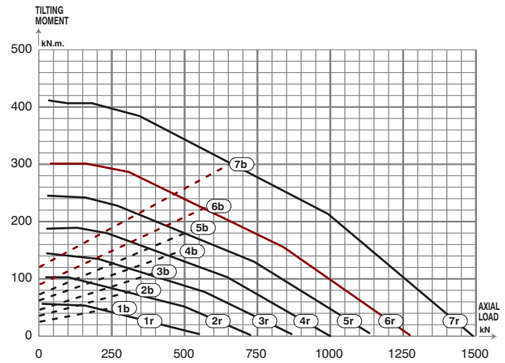


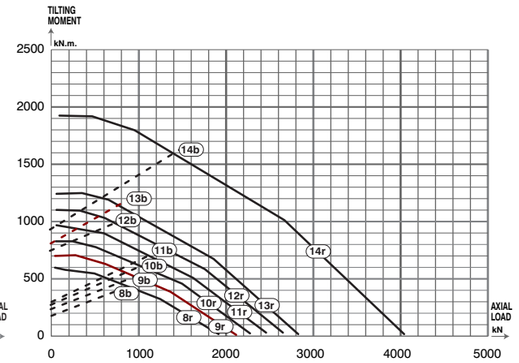
Figure D

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

1

Main dimensions					Fixing holes				Gear teeth			Tooth force		Mass		Basic load rating		curves*		
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni	D	m	Z	Norm. Tooth	Max. Tooth force		Fig N°	axial dyn. C	axial stat. Co	raceways (r)	bolt (b)	Designation
mm	mm	mm	mm	mm		mm	mm		mm			kN	kN	Kg		kN	kN			
486	414	325	460	14	24	375	M12	24	335	5	67	18	34	31	C	169	560	1r	1b	**RKS.062.20.0414**
616	544	444	590	14	32	505	M12	32	456	6	76	25	45	42	C	188	740	2r	2b	**RKS.062.20.0544**
716	644	546	690	14	36	605	M12	36	558	6	93	25	45	50	C	200	880	3r	3b	**RKS.062.20.0644**
816	744	648	790	14	40	705	M12	40	660	6	110	25	45	58	C	211	1010	4r	4b	**RKS.062.20.0744**
916	844	736	890	14	40	805	M12	40	752	8	94	33	60	69	C	222	1150	5r	5b	**RKS.062.20.0844**
1016	944	840	990	14	44	905	M12	44	856	8	107	33	60	76	C	231	1280	6r	6b	**RKS.062.20.0944**
1166	1094	984	1140	14	48	1055	M12	48	1000	8	125	33	60	91	C	244	1490	7r	7b	**RKS.062.20.1094**
1289	1204	1072	1257	16	45	1151	16	45	1080	10	108	59	106	145	D	371	1943	8r	8b	**RKS.062.25.1204**
1399	1314	1182	1367	16	50	1261	16	50	1190	10	119	59	106	159	D	383	2124	9r	9b	**RKS.062.25.1314**
1509	1424	1292	1477	16	54	1371	16	54	1300	10	130	59	106	172	D	395	2304	10r	10b	**RKS.062.25.1424**
1619	1534	1402	1587	16	60	1481	16	60	1410	10	141	59	106	186	D	406	2485	11r	11b	**RKS.062.25.1534**
1752	1644	1495	1708	22	54	1580	22	54	1500	10	150	59	106	236	D	416	2666	12r	12b	**RKS.062.25.1644**
1862	1754	1605	1818	22	60	1690	22	60	1610	10	161	59	106	252	D	424	2847	13r	13b	**RKS.062.25.1754**
2012	1904	1729	1968	22	64	1840	22	64	1736	14	124	82	147	299	D	571	4048	14r	14b	**RKS.062.30.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

Four point contact slewing bearings without gear

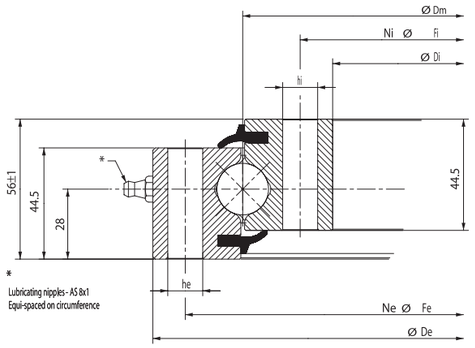


Figure E

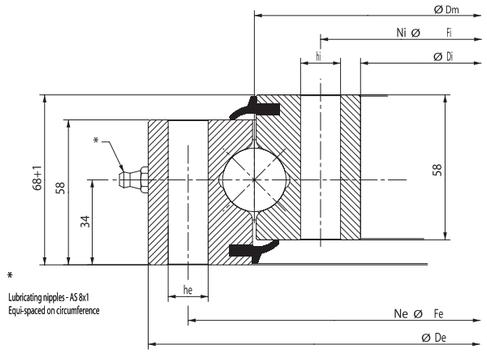
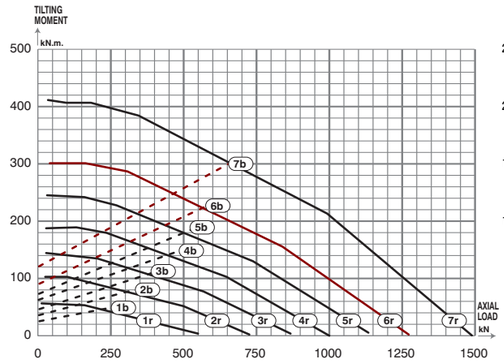


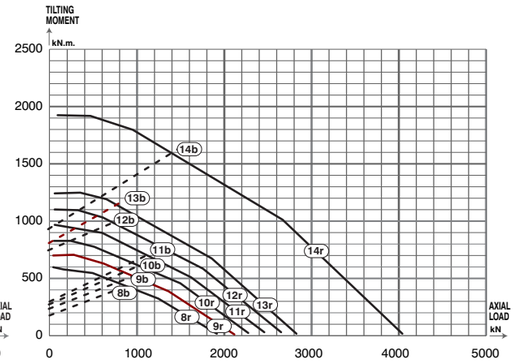
Figure F

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

Main dimensions						Fixing holes			Mass	Basic load ratin		curves*			
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni		axial dyn. C	axial stat. Co	Fig N°	raceways (r)	bolt (b)	Designation
mm	mm	mm	mm	mm		mm	mm		kg	kN	kN				
486	414	342	460	14	24	368	14	24	29	169	560	E	1r	1b	**RKS.060.20.0414**
616	544	472	590	14	32	498	14	32	37	188	740	E	2r	2b	**RKS.060.20.0544**
716	644	572	690	14	36	598	14	36	44	200	880	E	3r	3b	**RKS.060.20.0644**
816	744	672	790	14	40	698	14	40	52	211	1010	E	4r	4b	**RKS.060.20.0744**
916	844	772	890	14	40	798	14	40	60	222	1150	E	5r	5b	**RKS.060.20.0844**
1016	944	872	990	14	44	898	14	44	67	231	1280	E	6r	6b	**RKS.060.20.0944**
1166	1094	1022	1140	14	48	1048	14	48	77	244	1490	E	7r	7b	**RKS.060.20.1094**
1289	1204	1119	1257	16	45	1151	16	45	121	371	1943	F	8r	8b	**RKS.060.25.1204**
1399	1314	1229	1367	16	50	1261	16	50	132	383	2124	F	9r	9b	**RKS.060.25.1314**
1509	1424	1339	1477	16	54	1371	16	54	143	395	2304	F	10r	10b	**RKS.060.25.1424**
1619	1534	1449	1587	16	60	1481	16	60	154	406	2485	F	11r	11b	**RKS.060.25.1534**
1752	1644	1536	1708	22	54	1580	22	54	209	416	2666	F	12r	12b	**RKS.060.25.1644**
1862	1754	1646	1818	22	60	1690	22	60	222	424	2847	F	13r	13b	**RKS.060.25.1754**
2012	1904	1796	1968	22	64	1840	22	64	241	571	4048	F	14r	14b	**RKS.060.30.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

Crossed roller slewing bearings with external gear

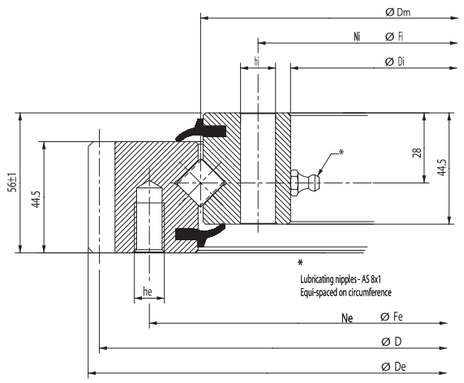


Figure G

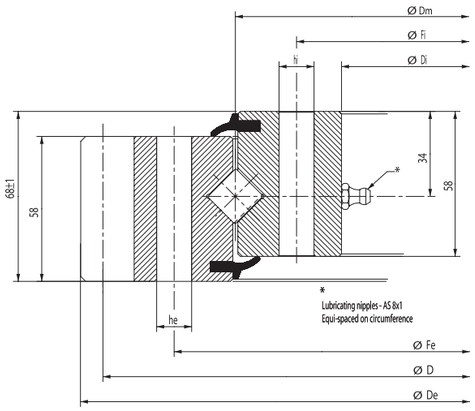
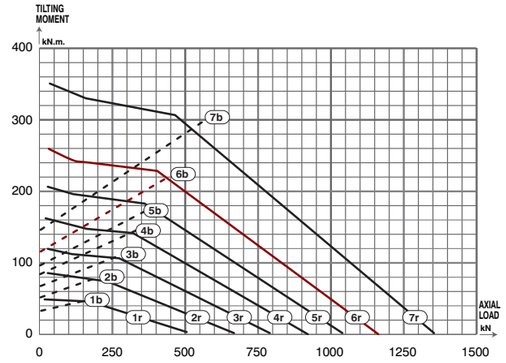


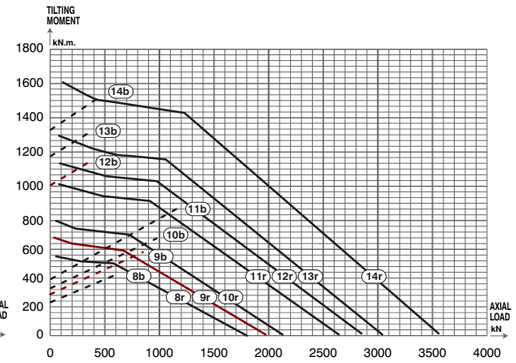
Figure H

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

1

Main dimensions					Fixing holes				Gear teeth			Tooth force		Mass		Basic load rating		curves*		
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni	D	m	Z	Norm. Tooth	Max. Tooth force		Fig N°	axial dyn. C	axial stat. Co	raceways (r)	bolt (b)	Designation
mm	mm	mm	mm	mm		mm	mm		mm			kN	kN	Kg		kN	kN			
503,3	414	344	455	M12	20	368	14	24	495	5	99	17	31	32	G	229	520	1r	1b	**RKS.161.14.0414**
640,3	544	474	585	M12	28	498	14	32	630	6	105	23	42	44	G	270	680	2r	2b	**RKS.161.14.0544**
742,3	644	574	685	M12	32	598	14	36	732	6	122	23	42	52	G	290	800	3r	3b	**RKS.161.14.0644**
838,1	744	674	785	M12	36	698	14	40	828	6	138	23	42	59	G	315	930	4r	4b	**RKS.161.14.0744**
950,1	844	774	885	M12	36	798	14	40	936	8	117	32	57	71	G	340	1050	5r	5b	**RKS.161.14.0844**
1046,1	944	874	985	M12	40	898	14	44	1032	8	129	32	57	77	G	360	1170	6r	6b	**RKS.161.14.0944**
1198,1	1094	1024	1135	M12	44	1048	14	48	1184	8	148	32	57	91	G	390	1360	7r	7b	**RKS.161.14.1094**
1338	1204	1119	1257	16	45	1151	16	45	1310	10	131	49	88	154	H	386	1836	8r	8b	**RKS.161.16.1204**
1448	1314	1229	1367	16	50	1261	16	50	1420	10	142	49	88	168	H	419	1995	9r	9b	**RKS.161.16.1314**
1558	1424	1339	1477	16	54	1371	16	54	1530	10	153	49	88	182	H	494	2352	10r	10b	**RKS.161.16.1424**
1668	1534	1449	1587	16	60	1481	16	60	1640	10	164	49	88	195	H	611	2912	11r	11b	**RKS.161.16.1534**
1791	1644	1536	1708	22	54	1580	22	54	1760	10	176	49	88	242	H	658	3133	12r	12b	**RKS.161.16.1644**
1901	1754	1646	1818	22	60	1690	22	60	1870	10	187	49	88	258	H	1049	3354	13r	13b	**RKS.161.16.1754**
2073,4	1904	1796	1968	22	64	1840	22	64	2030	14	145	69	124	306	H	854	4066	14r	14b	**RKS.161.20.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

Crossed roller slewing bearings with internal gear

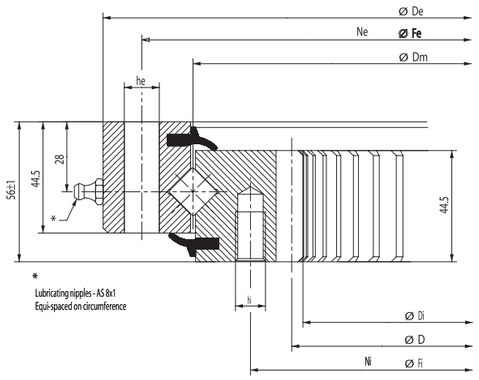


Figure I

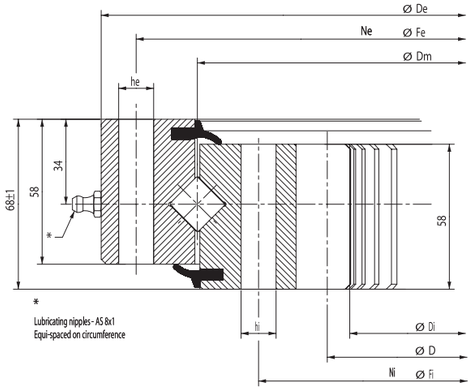
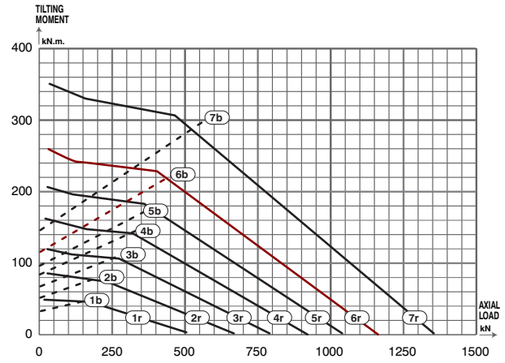


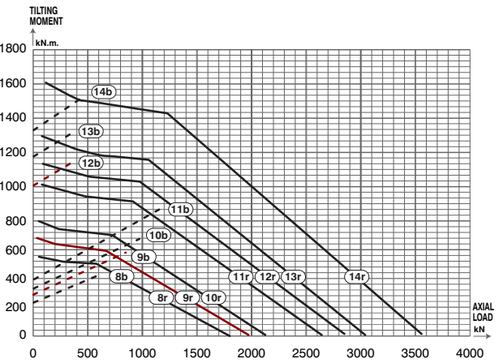
Figure J

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

1

Main dimensions					Fixing holes				Gear teeth			Tooth force		Mass		Basic load rating		curves*		
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni	D	m	Z	Norm. Tooth force	Max. Tooth		Fig N°	axial dyn. C	axial stat. Co	raceways (r)	bolt (b)	Designation
mm	mm	mm	mm	mm		mm	mm		mm			kN	kN	Kg		kN	kN			
484	414	325	460	14	24	375	M12	24	335	5	67	18	34	31	I	229	520	1r	1b	**RKS.162.14.0414**
614	544	444	590	14	32	505	M12	32	456	6	76	25	45	43	I	270	680	2r	2b	**RKS.162.14.0544**
714	644	546	690	14	36	605	M12	36	558	6	93	25	45	50	I	290	800	3r	3b	**RKS.162.14.0644**
814	744	648	790	14	40	705	M12	40	660	6	110	25	45	58	I	315	930	4r	4b	**RKS.162.14.0744**
914	844	736	890	14	40	805	M12	40	752	8	94	33	60	69	I	340	1050	5r	5b	**RKS.162.14.0844**
1014	944	840	990	14	44	905	M12	44	856	8	107	33	60	76	I	360	1170	6r	6b	**RKS.162.14.0944**
1164	1094	984	1140	14	48	1055	M12	48	1000	8	125	33	60	91	I	390	1360	7r	7b	**RKS.162.14.1094**
1289	1204	1072	1257	16	45	1151	16	45	1080	10	108	59	106	148	J	386	1836	8r	8b	**RKS.162.16.1204**
1399	1314	1182	1367	16	50	1261	16	50	1190	10	119	59	106	161	J	419	1995	9r	9b	**RKS.162.16.1314**
1509	1424	1292	1477	16	54	1371	16	54	1300	10	130	59	106	175	J	494	2352	10r	10b	**RKS.162.16.1424**
1619	1534	1402	1587	16	60	1481	16	60	1410	10	141	59	106	189	J	611	2912	11r	11b	**RKS.162.16.1534**
1752	1644	1495	1708	22	54	1580	22	54	1500	10	150	59	106	239	J	658	3133	12r	12b	**RKS.162.16.1644**
1862	1754	1605	1818	22	60	1690	22	60	1610	10	161	59	106	256	J	1049	3354	13r	13b	**RKS.162.16.1754**
2012	1904	1729	1968	22	64	1840	22	64	1736	14	124	82	147	304	J	854	4066	14r	14b	**RKS.162.20.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

Crossed roller slewing bearings without gear

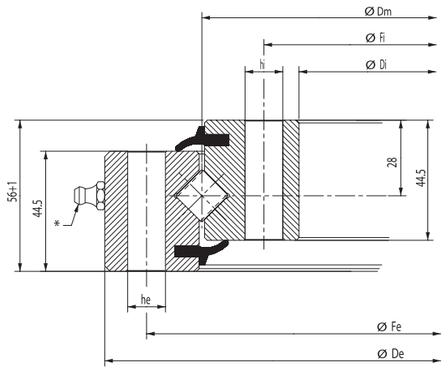


Figure K

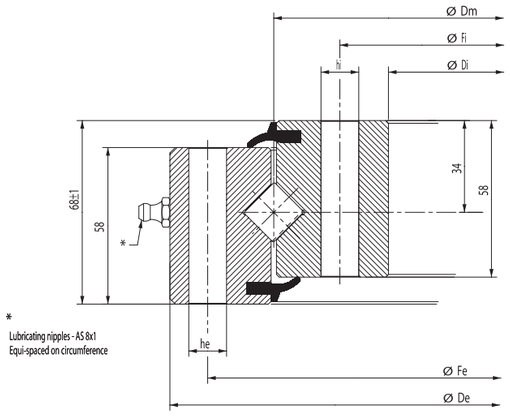
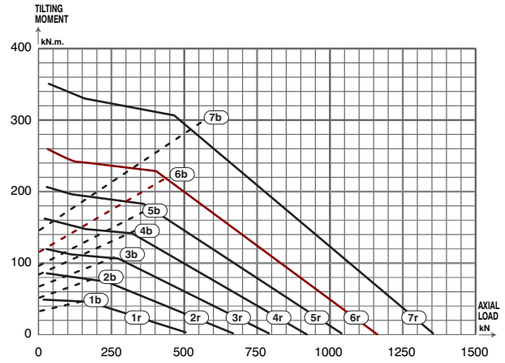


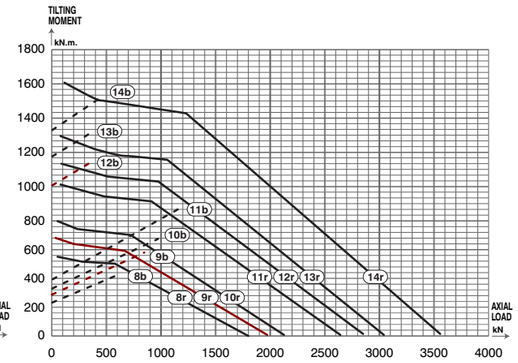
Figure L

Static limiting load curves for raceway ———— 1r to 14r

Static limiting load curves for bolting ---------- 1b to 14b



Dm 414 to 1094 mm



Dm 1204 to 1904 mm

** Item number of the relevant curve in the static limiting load graph for raceway and bolting*

1

Main dimensions			Fixing holes						Mass	Basic load rating		curves*			Designation
De	Dm	Di	Fe	he	Ne	Fi	hi	Ni		axial dyn. C	axial stat. Co	Fig N°	raceways (r)	bolt (b)	
mm	mm	mm	mm	mm		mm	mm		kg	kN	kN				
484	414	344	460	14	24	368	14	24	28	K	229	520	1r	1b	**RKS.160.14.0414**
614	544	474	590	14	32	498	14	32	38	K	270	680	2r	2b	**RKS.160.14.0544**
714	644	574	690	14	36	598	14	36	44	K	290	800	3r	3b	**RKS.160.14.0644**
814	744	674	790	14	40	698	14	40	52	K	315	930	4r	4b	**RKS.160.14.0744**
914	844	774	890	14	40	798	14	40	60	K	340	1050	5r	5b	**RKS.160.14.0844**
1014	944	874	990	14	44	898	14	44	67	K	360	1170	6r	6b	**RKS.160.14.0944**
1164	1094	1024	1140	14	48	1048	14	48	77	K	390	1360	7r	7b	**RKS.160.14.1094**
1289	1204	1119	1257	16	45	1151	16	45	124	L	386	1836	8r	8b	**RKS.160.16.1204**
1399	1314	1229	1367	16	50	1261	16	50	135	L	419	1995	9r	9b	**RKS.160.16.1314**
1509	1424	1339	1477	16	54	1371	16	54	146	L	494	2352	10r	10b	**RKS.160.16.1424**
1619	1534	1449	1587	16	60	1481	16	60	158	L	611	2912	11r	11b	**RKS.160.16.1534**
1752	1644	1536	1708	22	54	1580	22	54	214	L	658	3133	12r	12b	**RKS.160.16.1644**
1862	1754	1646	1818	22	60	1690	22	60	228	L	1049	3354	13r	13b	**RKS.160.16.1754**
2012	1904	1796	1968	22	64	1840	22	64	248	L	854	4066	14r	14b	**RKS.160.20.1904**

Gear not hardened
Bearings delivered without centering
Bearings are not delivered full of grease and consequently must be fully relubricated with SKF LGEP2 or equivalent before the machine is running.
Material : C 45E => curves N° 1 to 7 – 42 Cr Mo4 => curves N° 8 to 14

L-shape range

- L-shape bearings only to be used in compression. For hanging conditions please contact SKF.
- **Steel** : high quality steel, XC 45 improved
- **Lubrication** : L'Shape slewing bearings are pre-lubricated with a lithium soap, EP additives and a consistency of 2
- **Bolting class** : 10.9 recommended
- **Grease nipples** : four equally grease nipples (M8X1.00) (G)
- **High quality raceways hardening**

L'Shape slewing bearings with special holes or without holes for attachment bolts : please contact your SKF representative

- **Mounting and Maintenance** : see SKF Technical Information 202

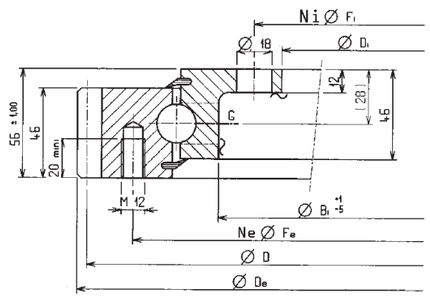
AXIAL CLEARANCE UNDER LOAD

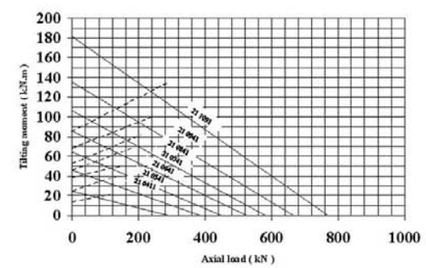
average diameter	reference load	maximum deflection (average measurement on 3 points)	maximum measurement on 1 point
mm	N	mm	mm
411	200	0,30	0,40
541	200	0,30	0,40
641	250	0,35	0,45
741	300	0,35	0,45
841	300	0,40	0,50
941	400	0,45	0,55
1091	400	0,50	0,60

Tolerances for the outside and inside diameter

Series	Di	Tolerance	De	Tolerance
0411	304	+/- 0.20	518	+0 ; -0.40
0541	434	+/- 0.20	648	+0 ; -0.40
0641	534	+/- 0.25	748	+0 ; -0.50
0741	634	+/- 0.25	848	+0 ; -0.50
0841	734	+/- 0.25	948	+0 ; -0.80
0941	834	+/- 0.30	1048	+0 ; -0.80
1091	934	+/- 0.30	1198	+0 ; -0.80

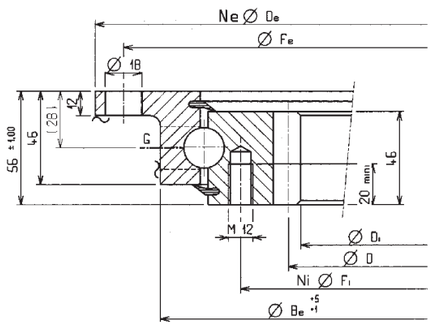
L'shape range
External gear

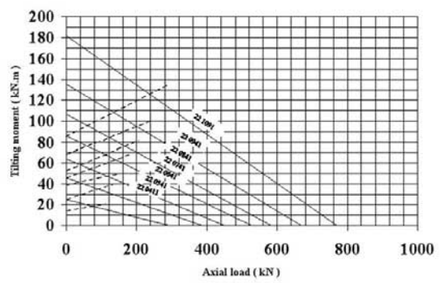




Main dimensions			Fixing holes				Gear teeth			Permissible tangential load maxi	Mass	Designation
De	Di	Bi	Fe	Ne	Fi	Ni	m	z	D			
mm	mm	mm	mm		mm				mm	Kn	kg	
505	304	368	455	10	332	12	5	99	495	33,8	32	**RKS.21 0411**
640	434	498	585	14	462	14	6	105	630	41	44	**RKS.21 0541**
742	534	598	685	15	562	16	6	122	732	41	52	**RKS.21 0641**
840	634	698	785	18	662	16	6	138	828	41	60	**RKS.21 0741**
950	734	798	885	18	762	18	8	117	936	55	68	**RKS.21 0841**
1046	834	898	985	20	862	20	8	129	1032	55	76	**RKS.21 0941**
1198	984	1048	1135	22	1012	20	8	148	1184	55	86	**RKS.21 1091**

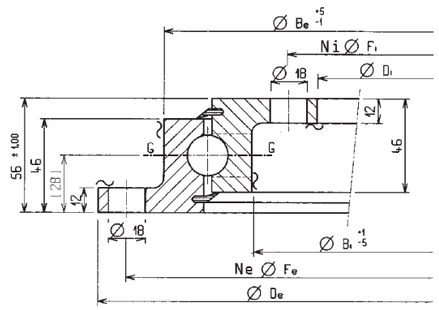
L'shape range
Internal gear

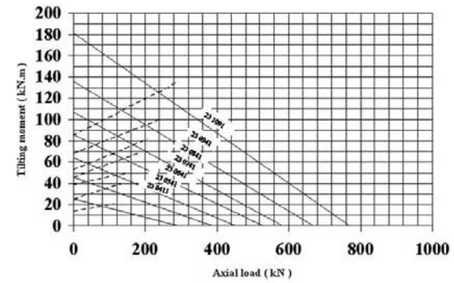




Main dimensions			Fixing holes				Gear teeth			Permissible tangential load maxi	Mass	Designation
De	Di	Bi	Fe	Ne	Fi	Ni	m	z	D			
mm	mm	mm	mm		mm				mm	Kn	kg	
518	325	454	490	8	375	12	5	67	335	32,4	31	**RKS.22 0411**
648	445	584	620	10	505	16	6	76	456	40,3	41	**RKS.22 0541**
748	546	684	720	12	605	18	6	93	558	40,3	48	**RKS.22 0641**
848	649	784	820	12	705	20	6	110	660	40,3	55	**RKS.22 0741**
948	736	884	920	14	805	20	8	94	752	54,3	63	**RKS.22 0841**
1048	840	984	1020	16	905	22	8	107	856	54,3	71	**RKS.22 0941**
1198	986	134	1170	16	1055	24	8	125	1000	54,3	80	**RKS.22 1091**

L'shape range
Without gear



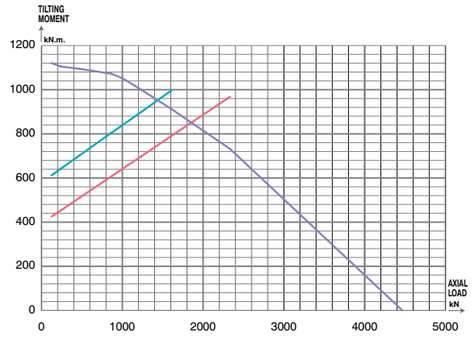


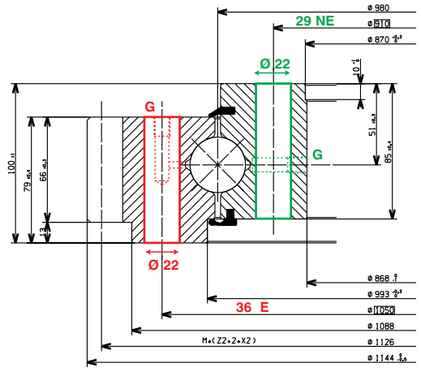
Main dimensions			Fixing holes					Mass	designation
De	Di	Be	Bi	Fe	Ne	Fi	Ni		
mm	mm	mm	mm	mm		mm		kg	
518	304	454	368	490	8	332	12	23	**RKS.23 0411**
648	434	84	498	620	10	462	14	34	**RKS.23 0541**
748	534	684	598	720	12	562	16	40	**RKS.23 0641**
848	634	784	698	820	12	662	16	46	**RKS.23 0741**
948	734	884	798	920	14	762	18	52	**RKS.23 0841**
1048	834	984	898	1020	16	8625	20	58	**RKS.23 0941**
1198	984	1134	1048	1170	16	1012	20	67	**RKS.23 1091**

Other standard items

Main dimensions			Gear teeth						
De Outer diameter	Dm Raceway diameter	De inner diameter	De Gear PCD	m	Z	Mass kg	Steel code	Designation	Page
Four point contact slewing bearings with external gear teeth									
1144	980	868	1110	10,0	111	219	X/X	**RKS.204040101001**	P. 21
1398	1258	1155	1380	10,0	138	203	X/X	**RKS.302070202001**	P. 21
Four point contact slewing bearings without gear teeth									
234	179	125	0	0,0	0	6	X/X	**RKS.900155101001**	P. 22
332	257	189	0	0,0	0	17	X/X	**RKS.951145101001**	P. 22
475	402	335	0	0,0	0	27	X/X	**RKS.901175101001**	P. 22
Crossed roller slewing bearings with external gear teeth									
403	310	233	396	4,5	88	24	X/X	**RKS.921150303001**	P. 23
589,9	479	378	580,5	4,5	129	62	X/X	**RKS.121400101002**	P. 23
695	574	477	685	5,0	137	79	X/X	**RKS.121390101002**	P. 23
816	675	571	792	6,0	132	117	X/X	**RKS.122290101002**	P. 24
864	760	668	852	6,0	142	97	X/X	**RKS.221310101001**	P. 24
979	853	715	940	10,0	94	178	XD/X	**RKS.222500101001**	P. 24
1080	980	886	1064	8,0	133	119	XB/X	**RKS.221300101001**	P. 25
1144	1010	868	1122	11,0	102	230	XD/X	**RKS.222600101001**	P. 25
1289,5	1117	980	1250	11,0	102	230	XD/X	**RKS.324012324001**	P. 25
1296	1117	985	1260	12,0	105	340	XD/X	**RKS.322300101001**	P. 26
1475,5	1250	1080	1440	10,0	144	490	XD/X	**RKS.425060101001**	P. 26
1475,5	1250	1080	1428	14,0	102	480	XD/X	**RKS.425060201001**	P. 26
1475,5	1250	1080	1428	14,0	102	481	XD/X	**RKS.425062621001**	P. 27
1604	1390	1205	1570	10,0	157	620	XD/X	**RKS.427020101001**	P. 27
1804,8	1690	1430	1744	16,0	109	710	TDX	**RKS.427050403001**	P. 27
Crossed roller slewing bearings with internal gear teeth									
562	489	385	396	6,0	66	42	X/X	**RKS.111280101002**	P. 28
825	713	567,5	396	7,0	82	133	X/X	**RKS.212140106001**	P. 28
972	885	785,6	800	8,0	100	109	X/X	**RKS.211430101001**	P. 28
1172	1077	961	980	10,0	98	155	XB/X	**RKS.211440101001**	P. 29
1040	1177	965,1	958,8	10,2	94	182	XD/X	**RKS.212600101001**	P. 29
1316	1202	1082	1100	10,0	110	260	XD/X	**RKS.312410101001**	P. 29
1316	1202	1082	1100	10,0	110	260	XD/X	**RKS.312410102001**	P. 30
1316	1202	1082	1100	10,0	110	260	X/X	**RKS.312290202001**	P. 30
1365	1231	1038,8	1050	14,0	75	370	TD/X	**RKS.313500404001**	P. 30
1477,8	1240	1038,3	1060,8	10,2	104	425	XD/X	**RKS.314310101001**	P. 31
1495	1350	1164,8	1190	14,0	85	440	XMD/XM	**RKS.413290203001**	P. 31
2290	2202	2091	2100	5,0	420	291	X/X	**RKS.512080101001**	P. 31
Crossed roller slewing bearings without gear teeth									
403,5	310	233		0,0	0	25	X/X	**RKS.921155203001**	P. 32
589,5	474	378		0,0	0	64	X/X	**RKS.121405101002**	P. 32
695	574	477		0,0	0	84	X/X	**RKS.121395101002**	P. 32
816	675	571		0,0	0	125	X/X	**RKS.122295101002**	P. 33
979	823	715		0,0	0	193	X/X	**RKS.223475101001**	P. 33
1144	980	868		0,0	0	230	XD/X	**RKS.222605101001**	P. 33

RKS.204040101001





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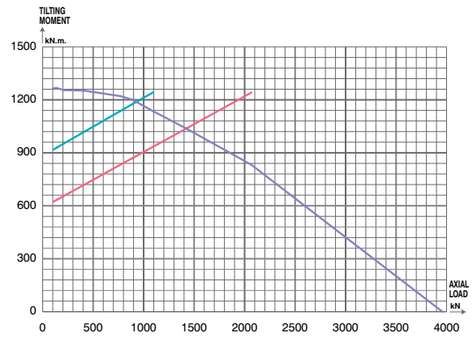
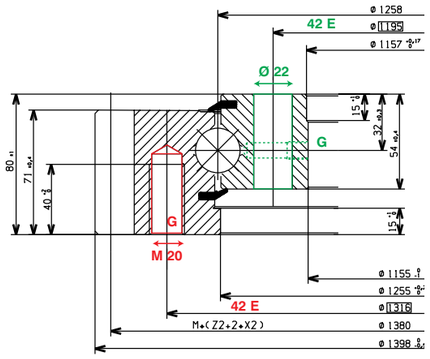




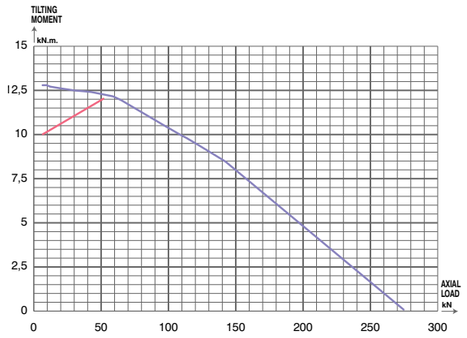
Material

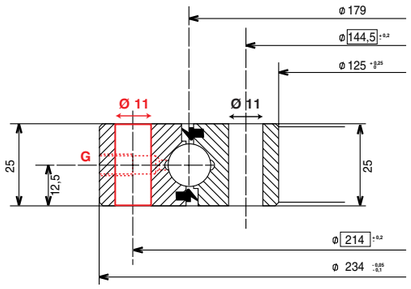
Steel codes				
SKF Code	X	XM	T	TM
en 10083-1	C45N modified	C45QT modified	42CrMo4QT modified	42CrMo4QT modified
SAE	1045		41 429 840	41 429 840

Gear quality : 12
Bolting class : mini 10,9
maxi 12,9
Lubrication : see Technical Information TI 202
Mounting & Maintenance instructions : see Technical Information TI 202

3

RKS.900155101001





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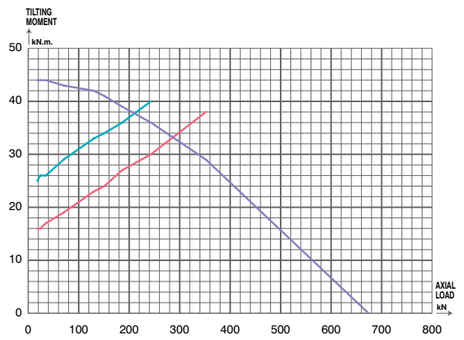

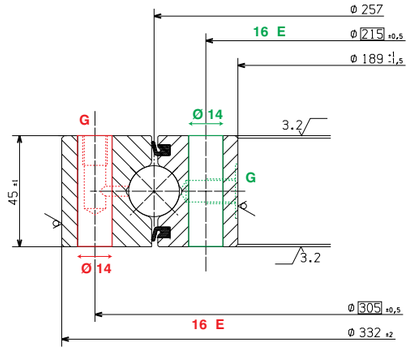

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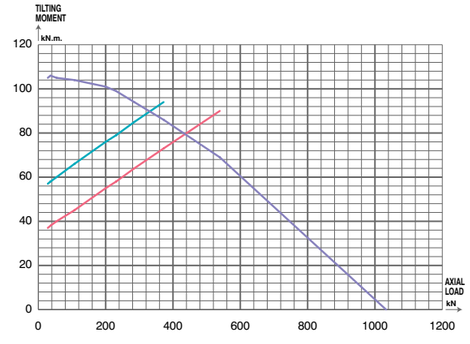

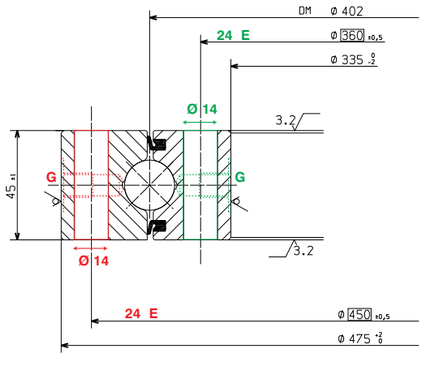

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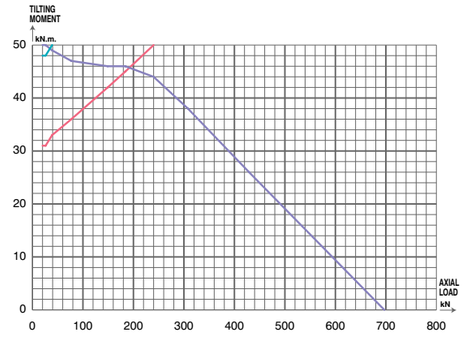

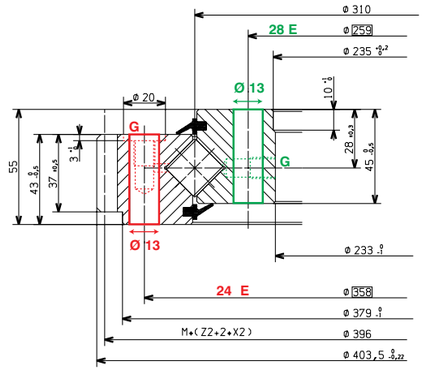

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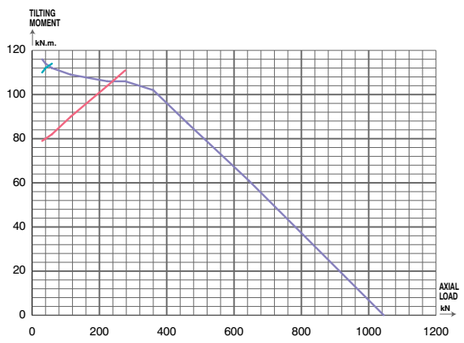

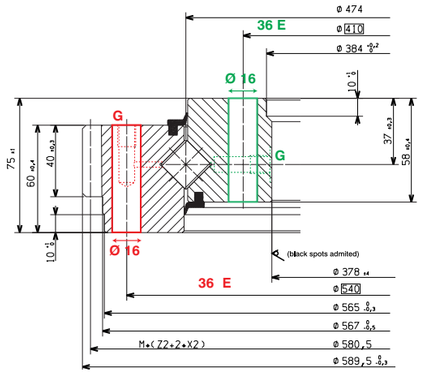

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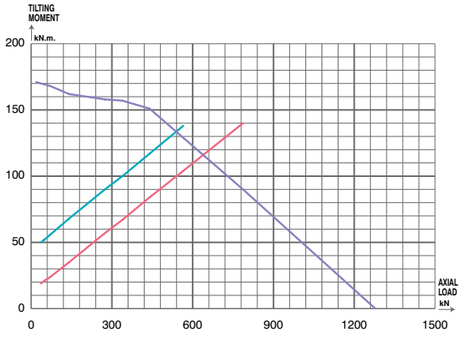

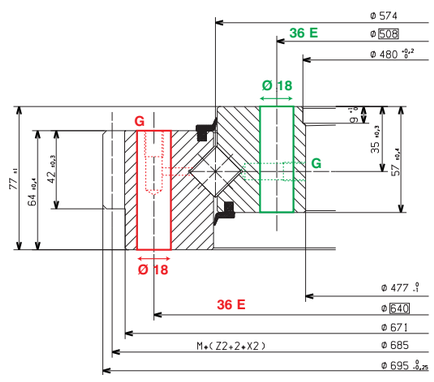

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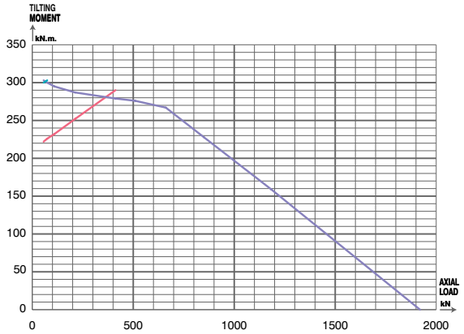

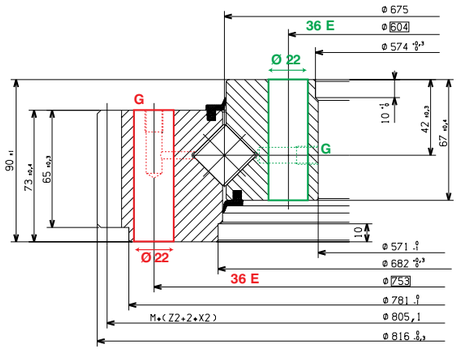

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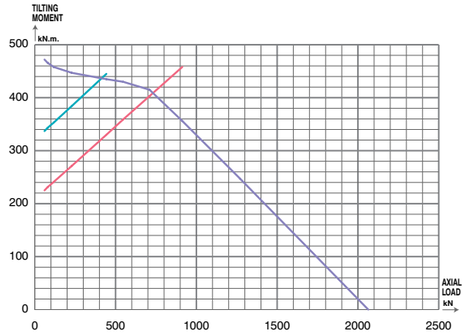

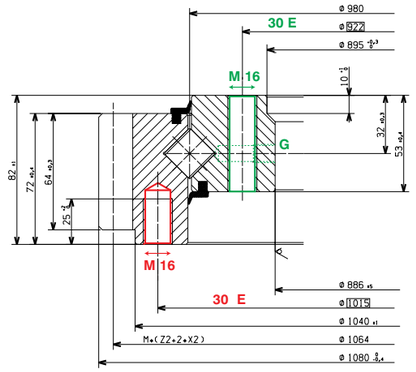

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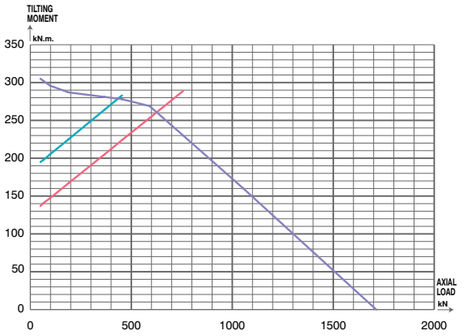

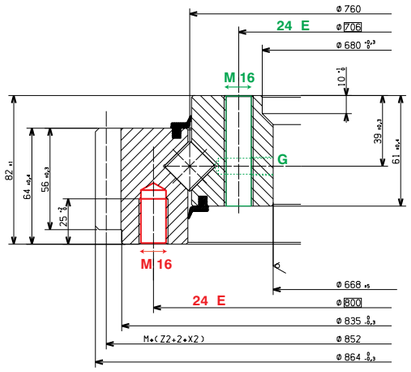

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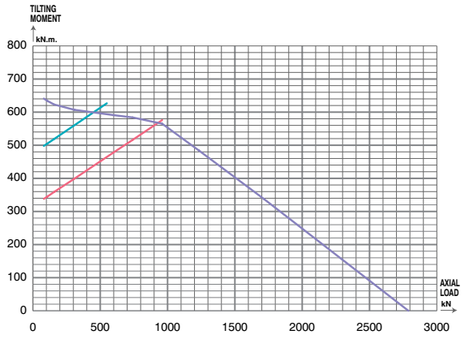

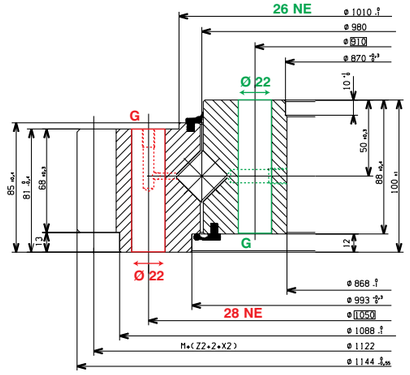

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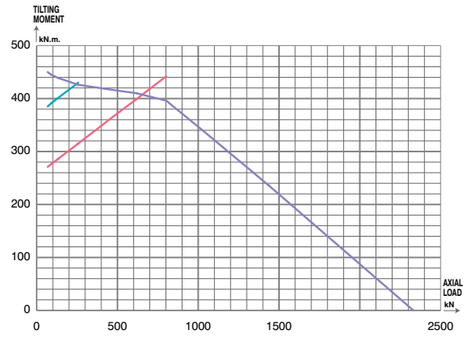

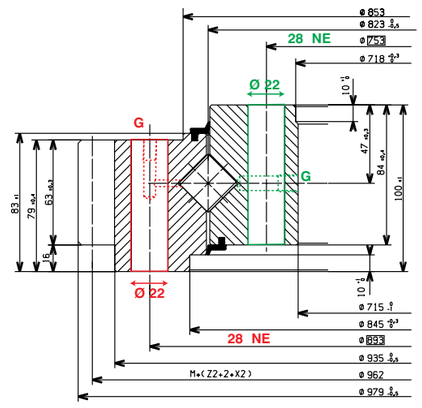

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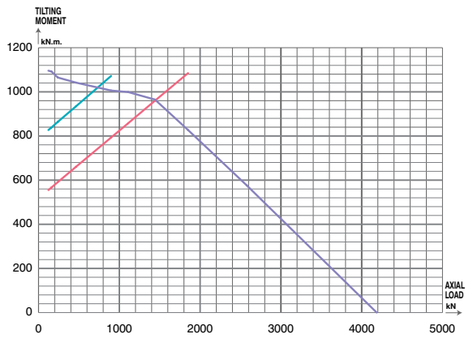

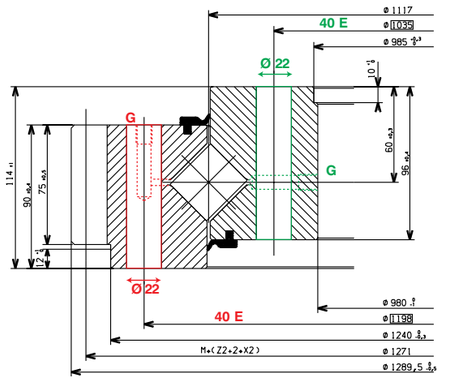

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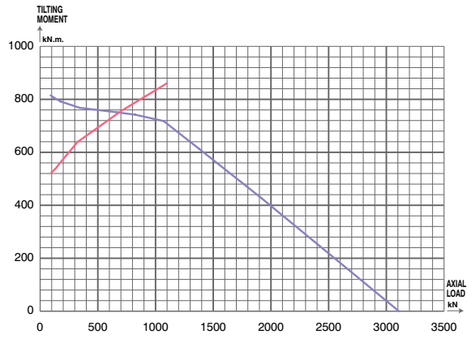

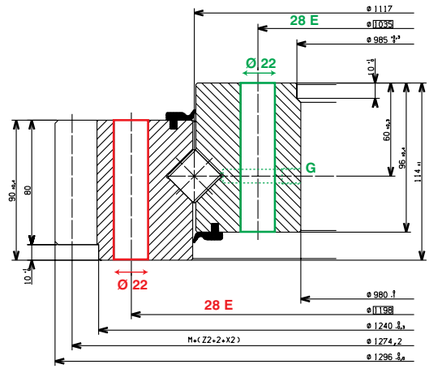

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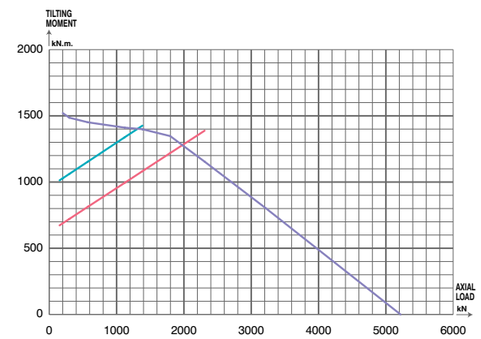

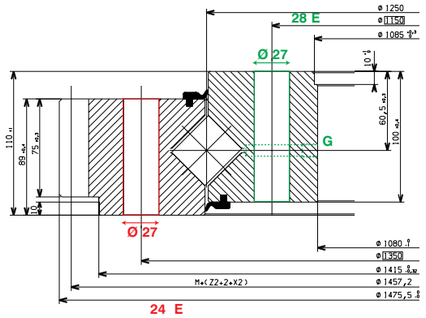

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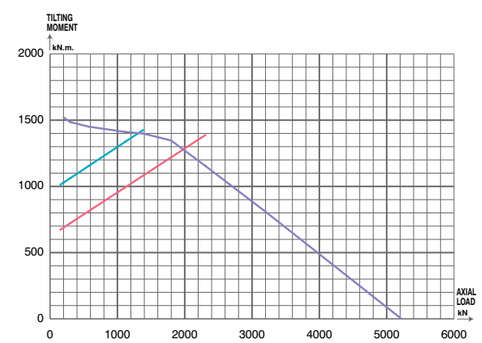

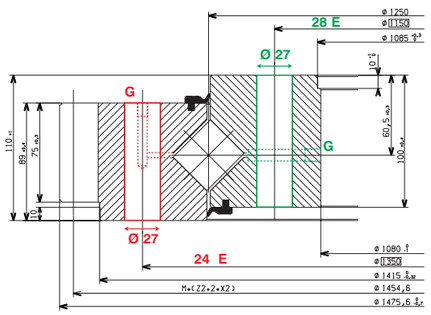

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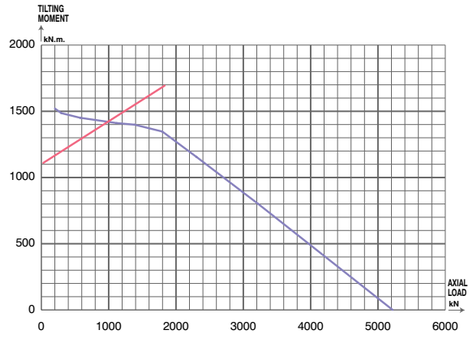

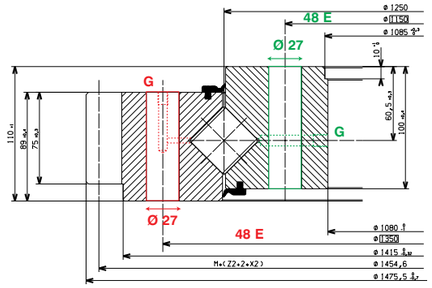

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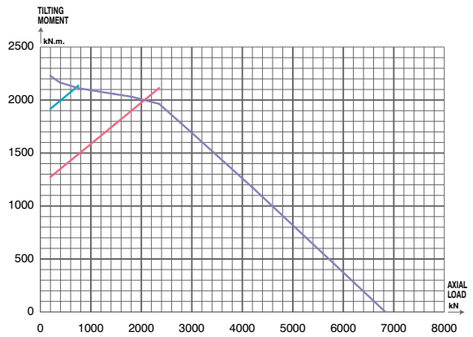

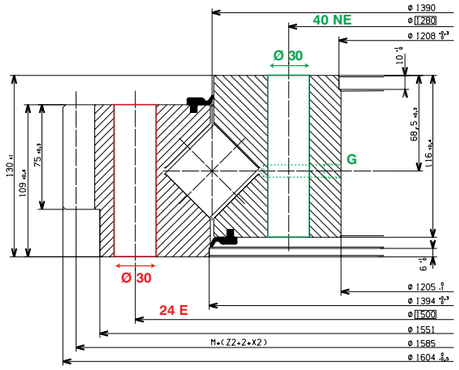

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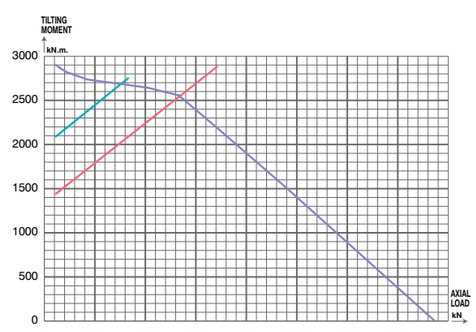

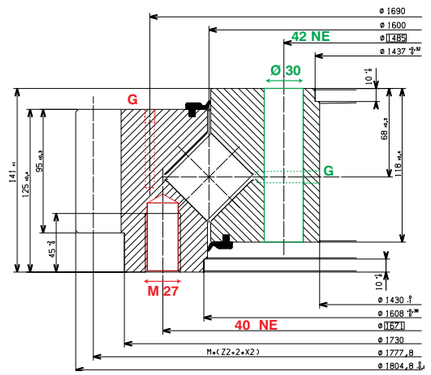

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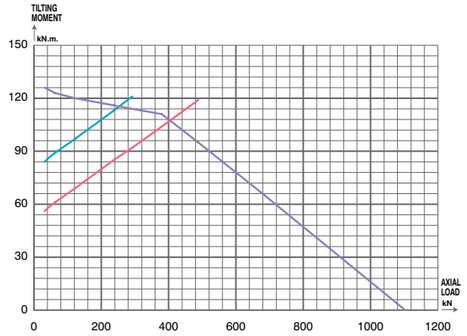

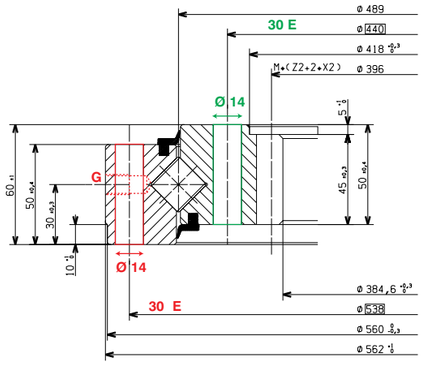

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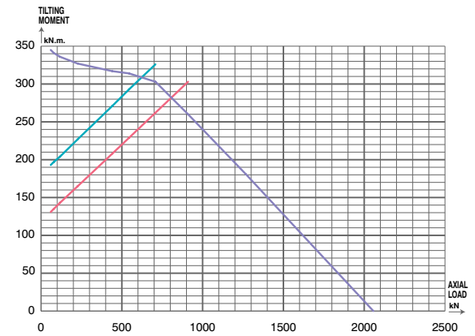

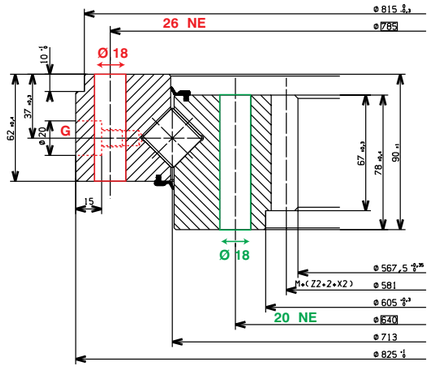

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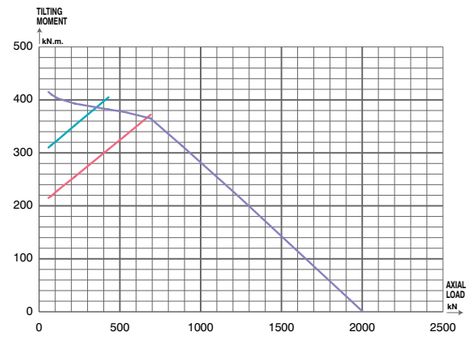

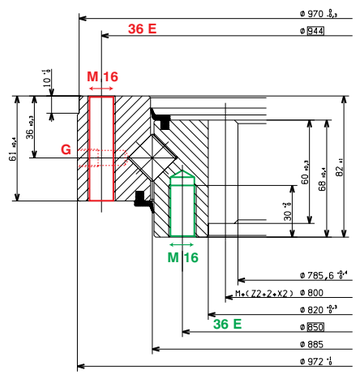

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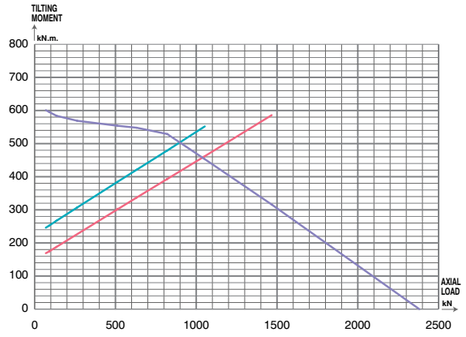

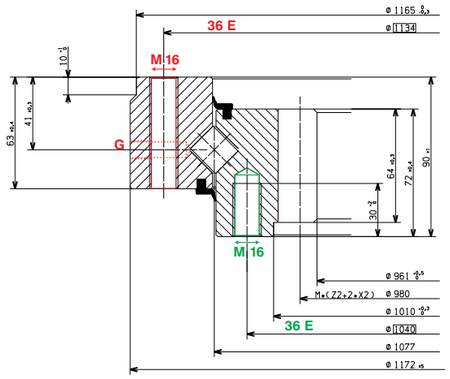

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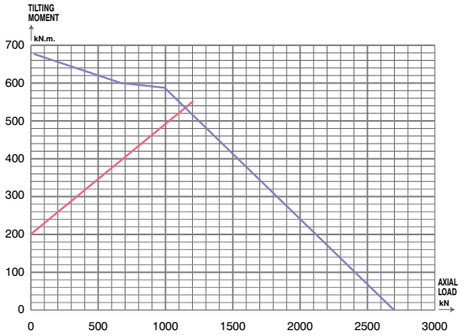

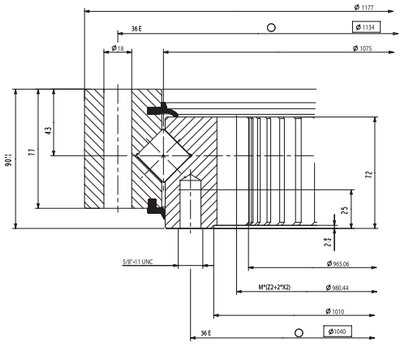

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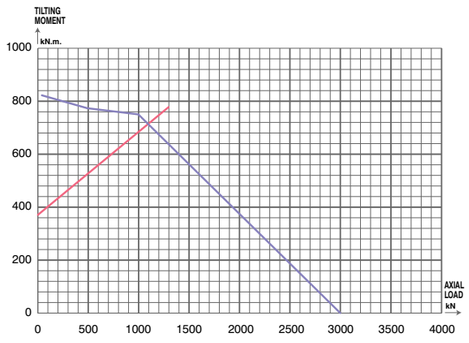

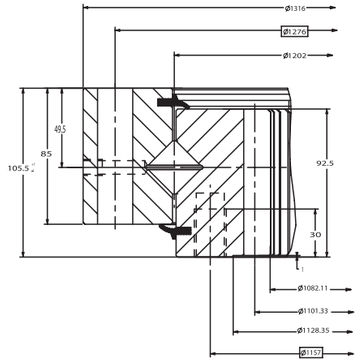

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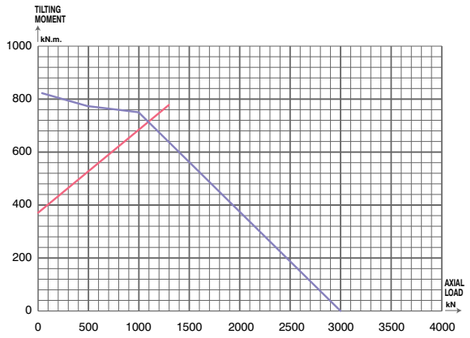

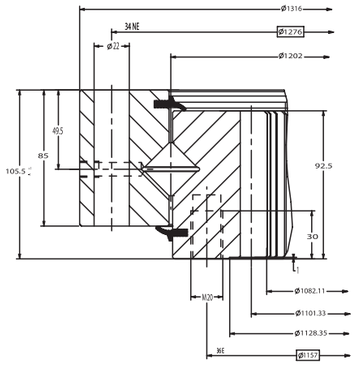

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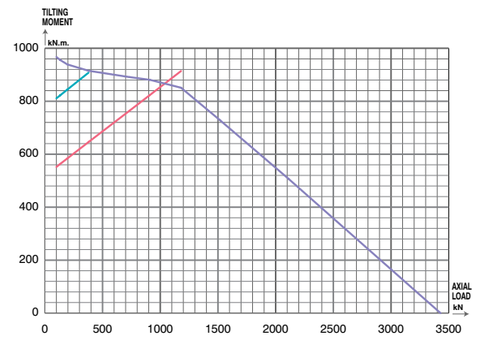

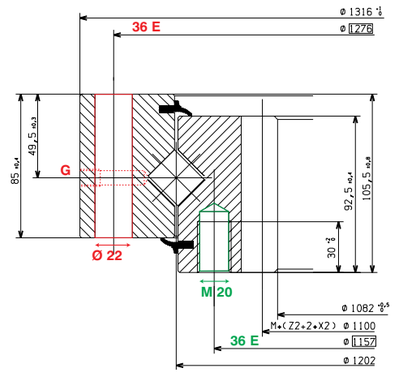

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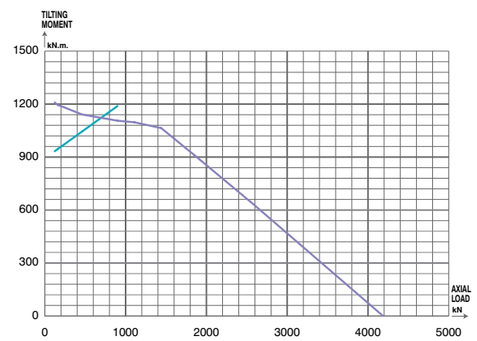

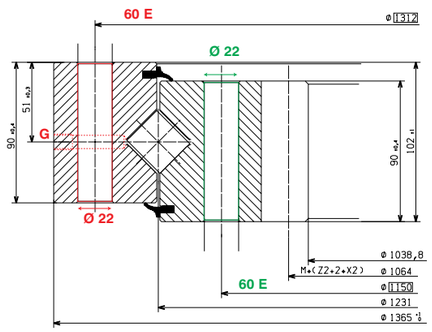

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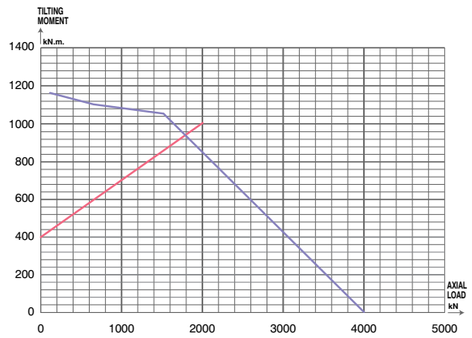

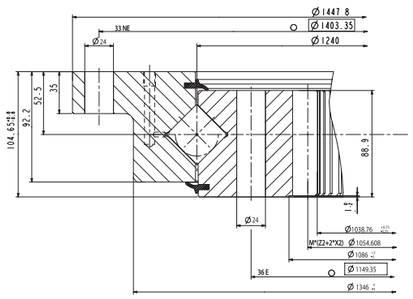

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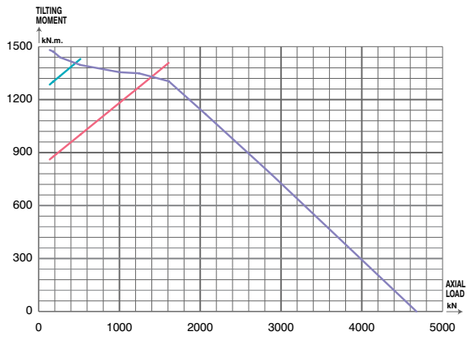

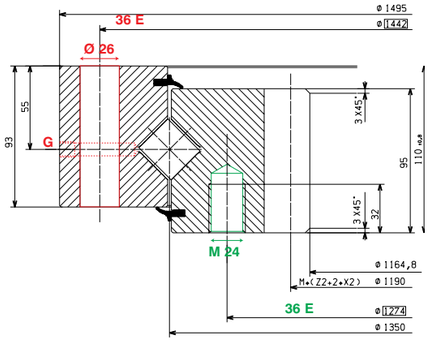

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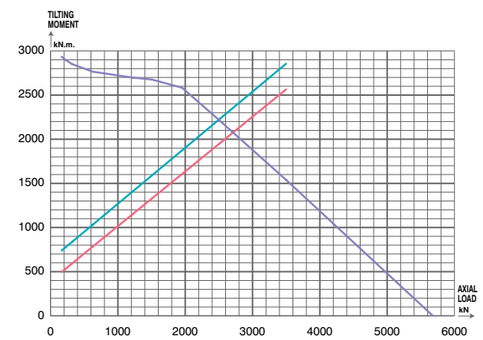

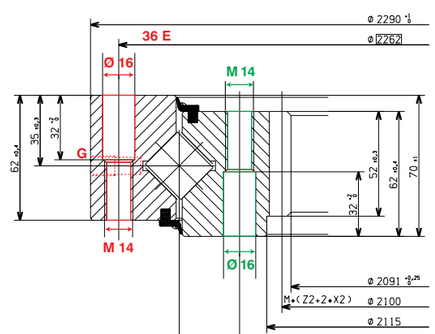

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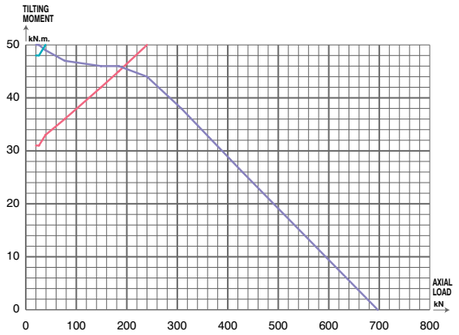

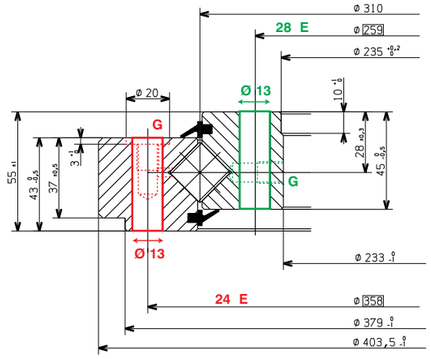

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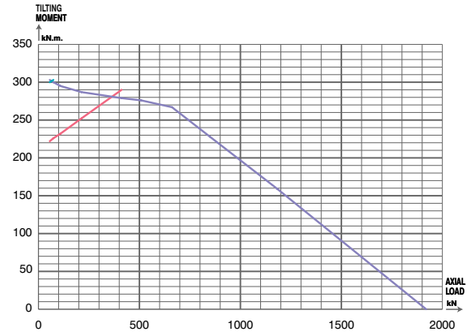

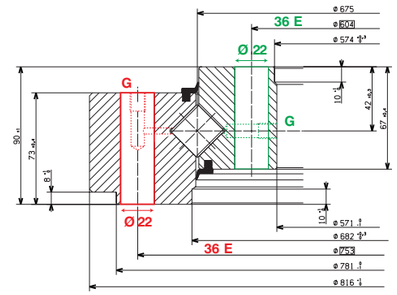

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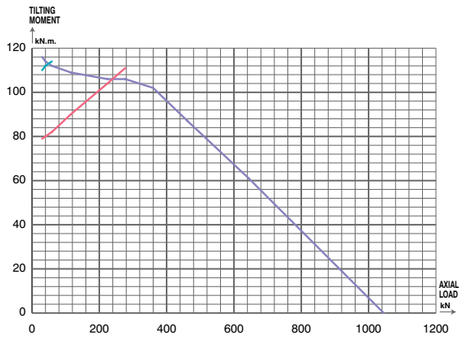

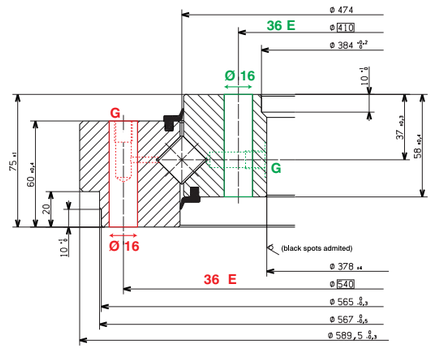

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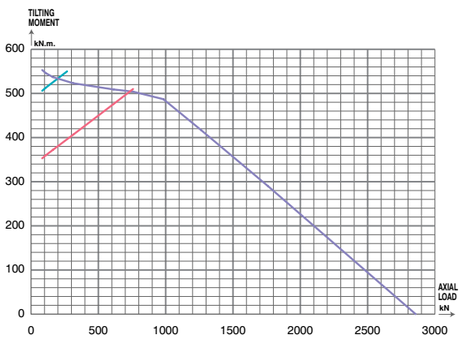

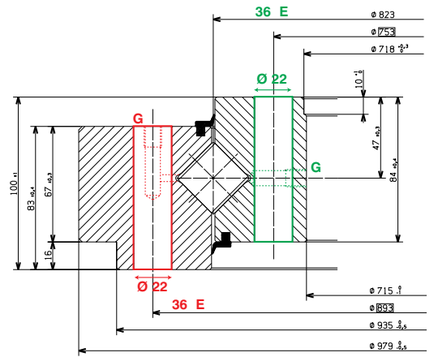

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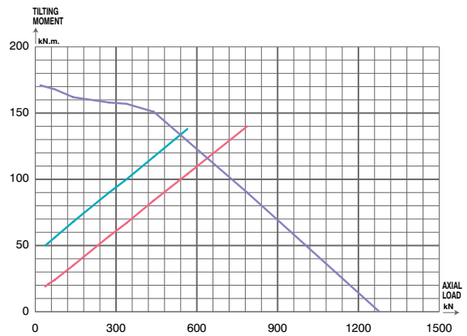

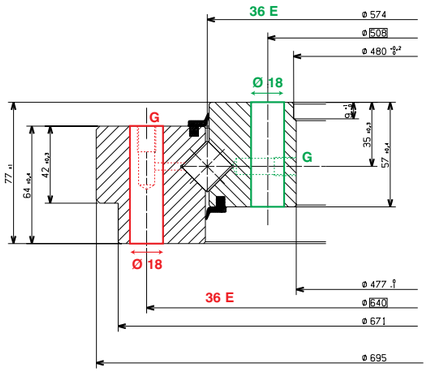

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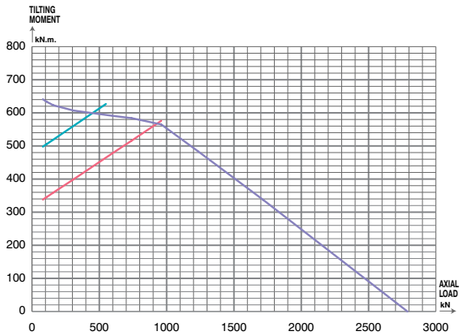

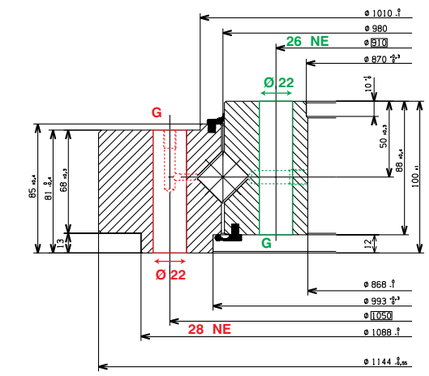

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