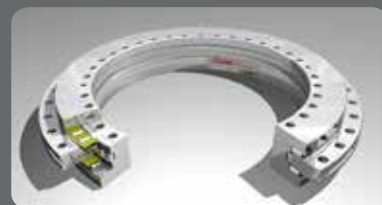




RLX - RT

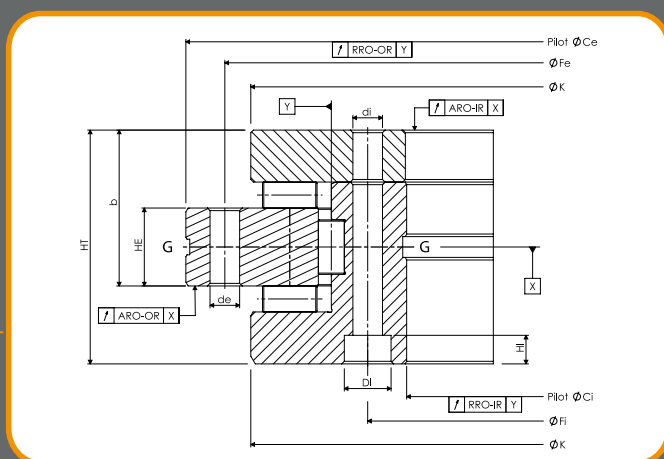
From 200 to 1030 mm
for Rotary Tables



THE FEATURES

- Very high stiffness
- High rotation accuracy
- High geometric quality
- **Interchangeability with market established standard**
- Similar range of rotation speed
- Same accuracy
- Short lead time
- High service
- **Perfect for applications requiring a high positioning accuracy:**
 - Rotary and Indexing Tables
 - Machining Centers
 - Milling Machines
 - Drilling Machines
 - Etc...

Drawing



For RT range:

Material of the rings : I00C6.

The slewing rings are delivered without lubrication (oiled for transport).

They have to be installed according to ROLLIX catalogue and ROLLIX installation and maintenance recommendations IT-ETR 238.

Use temperature : -25C to +70°C.

The temperature of the three rings must be homogeneous.

Lower or higher temperatures can be reached. In those particular cases, please contact us.

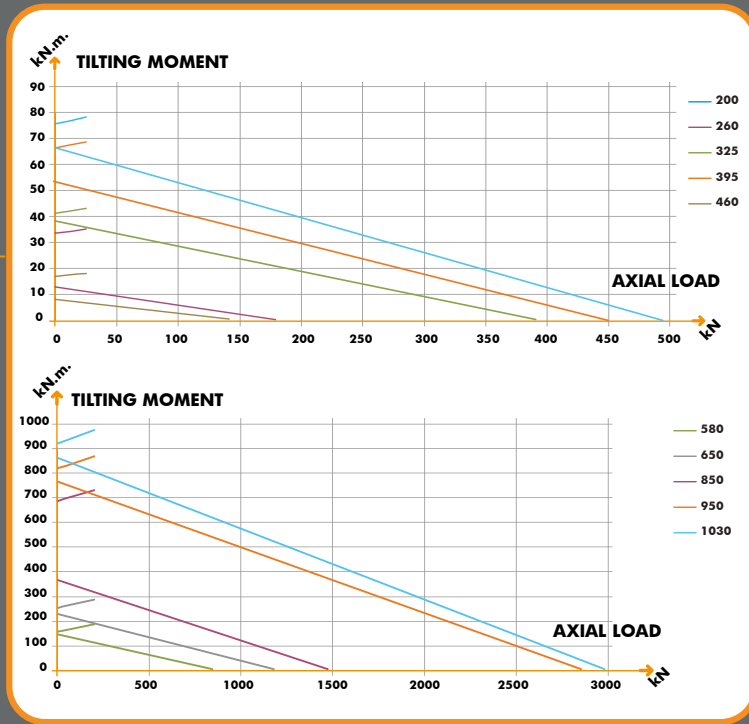
The values on capacity curves can be read directly without any additional factor.

All the dimensions are in mm.

REFERENCES	ARTICLE NUMBER	WEIGHT		DIMENSIONS										FASTENING						grease holes		AXIAL RUN-OUT		RADIAL RUN-OUT		STARTING TORQUE UNLOADED In Nm	ALLOWABLE MAX ROTATION SPEED in rpm
		Kg	Dm	Ce	Ci	K	HT	HE	b	Fe	de	Ne*	Fi	Di	Hi	di	Ni*	dimensions	NG by ring	CR µ	IR µ	CR µ	IR µ				
RT 200	88-0255-60	9,7	255	300	200	274	45	15	30	285	7	45	215	11	6,2	7	46	Ø3	1	4	4	4	4	15	170		
RT 260	88-0317-60	19	317	385	260	345	55	18	36,5	365	9,3	33	280	15	8,4	9,3	34	Ø4	1	6	6	6	6	25	130		
RT 325	88-0391-60	25	391	450	325	415	60	20	40	430	9,3	33	342	15	8,2	9,3	34	Ø4	1	6	6	6	6	35	110		
RT 395	88-0464-60	33	464	525	395	486	65	20	42,5	505	9,3	45	415	15	8,4	9,3	46	Ø4	1	6	6	6	6	50	90		
RT 460	88-0535-60	45	535	600	460	560	70	22	46	580	9,3	45	482	15	8,4	9,3	46	Ø4	3	6	6	6	6	70	80		
RT 580	88-0670-60	90	670	750	580	700	90	30	60	720	11,4	42	610	18	11	11,4	46	Ø4	3	10	10	10	10	140	60		
RT 650	88-0758-60	170	758	870	650	800	122	34	78	830	14	42	680	20	13	14	46	Ø4	3	10	10	10	10	200	55		
RT 850	88-0981-60	255	981	1095	850	1018	124	37	80,5	1055	18	54	890	26	17	18	58	Ø4	3	12	12	12	12	300	40		
RT 950	88-1085-60	312	1085	1200	950	1130	132	40	86	1160	18	54	990	26	17	18	58	Ø4	3	12	12	12	12	600	40		
RT 1030	88-1170-60	375	1170	1300	1030	1215	145	40	92,5	1255	18	66	1075	26	17	18	60	Ø6	3	12	12	12	12	800	35		

*Ni: Number of holes on Inner ring
*Ne: Number of holes on Outer ring

Static capacity curves



Mechanical Characteristics*

REFERENCES	ARTICLE NUMBER	STATIC CAPACITIES			MAXIMUM LOADS RECOMMENDED BY ROLLIX			DYNAMICS CAPACITIES* 1 800 000 rev		
		From ISO 76			Max Loads recommended			Max Dynamics Loads recommended		
		Axial	Radial	Angular	Axial	Radial	Angular	Axial	Radial	Angular
		KN	KN	KN m	KN	KN	KN m	KN	KN	KN m
RT 200	88-0255-60	599	289	36	141	66	9	112	79	9
RT 260	88-0317-60	761	379	59	179	87	14	125	89	13
RT 325	88-0391-60	1635	619	154	384	141	38	258	147	33
RT 395	88-0464-60	1922	743	216	451	170	53	280	160	43
RT 460	88-0535-60	2099	867	273	492	198	66	289	173	51
RT 580	88-0670-60	3571	1368	581	839	313	142	503	262	110
RT 650	88-0758-60	4982	1543	919	1171	353	225	625	277	155
RT 850	88-0981-60	6226	2028	1493	1463	463	364	694	316	222
RT 950	88-1085-60	12051	3379	3160	2833	770	761	1408	582	498
RT 1030	88-1170-60	12589	3650	3565	2960	832	858	1429	604	546

*Dynamic Capacities must be considered as a maximum for dynamic loads to warranty a good reliability for life calculations.

Contact Stiffnesses**

REFERENCES	ARTICLE NUMBER	TANGENTIAL RIGIDITY FOR LOW LOADS (UNDER PRELOAD)			TANGENTIAL RIGIDITY FOR HIGH LOADS (MAX DYNAMIC LOAD)			SECANT RIGIDITY FOR HIGH LOADS (MAX DYNAMIC LOAD)		
		Axial	Radial	Angular	Axial	Radial	Angular	Axial	Radial	Angular
		KN / μm	KN / μm	KN m / μrad	KN / μm	KN / μm	KN m / μrad	KN / μm	KN / μm	KN m / μrad
RT 200	88-0255-60	14.0	4.5	0.11	9.6	4.4	0.078	9.8	3.8	0.080
RT 260	88-0317-60	17.7	5.7	0.24	11.5	5.6	0.159	12.5	4.8	0.166
RT 325	88-0391-60	28.9	7.4	0.55	17.7	6.8	0.357	22.1	5.9	0.418
RT 395	88-0464-60	34.2	8.3	0.92	20.6	8.0	0.582	26.3	6.9	0.704
RT 460	88-0535-60	37.2	9.4	1.34	22.4	9.2	0.837	29.2	7.9	1.032
RT 580	88-0670-60	44.5	12.4	2.56	27.0	11.4	1.58	35.7	10.1	1.98
RT 650	88-0758-60	62.3	14.5	4.45	37.2	12.6	2.80	52.0	11.3	3.65
RT 850	88-0981-60	77.4	17.6	9.22	46.0	16.2	5.91	68.2	14.3	7.96
RT 950	88-1085-60	96.2	18.3	14.1	59.6	18.3	8.9	70.2	15.8	10.3
RT 1030	88-1170-60	100.4	19.9	17.2	62.2	19.7	11.0	74.1	17.0	12.6

**These stiffnesses do not take into account the flexion of the rings and of the supports