

Crossed Roller Bearings

CRBA

4. Crossed roller bearings

4.1 CRBA

Series with split outer ring

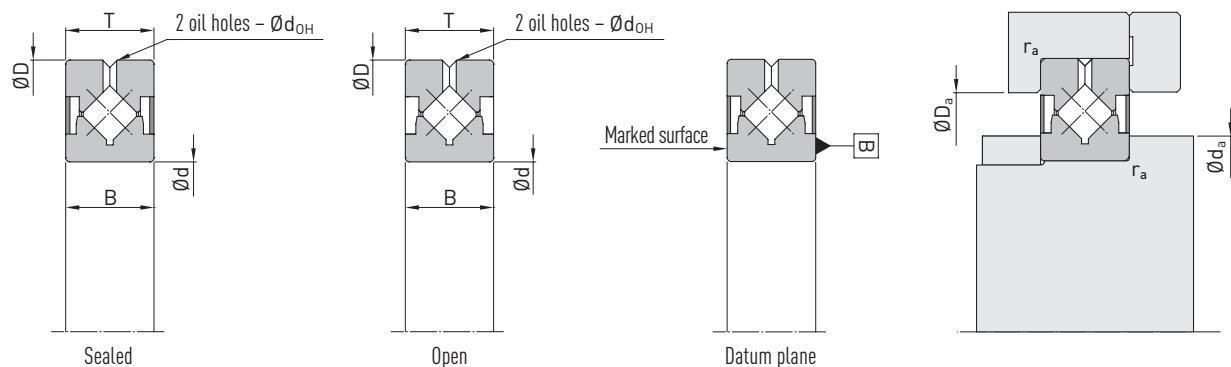


Table 4.1 CRBA specifications

Article number	Dimensions [mm]			Oil holes d _{OH}	Installation dim. [mm]			Load ratings [kN]				Max. idle torque [Nm] ²⁾	Max. speed [rpm]		Weight [kg]
	d ¹⁾	D ¹⁾	Width B, T		d _a	D _a	r _a (max)	Dyn. load rating C _{dyn}		Stat. load rating C ₀			Grease	Oil	
								radial	axial	radial	axial				
CRBA 08016	80	120	16	2.5	92.0	109.0	0.6	30.2	67.0	44.8	102.0	0.63	600	800	0.70
CRBA 09016	90	130	16	2.5	104.0	120.0	1.0	30.8	68.0	47.4	108.0	0.70	540	720	0.80
CRBA 09020	90	140	20	2.5	104.0	120.0	1.0	39.7	88.0	60.2	136.0	0.95	520	700	1.20
CRBA 10016	100	140	16	2.5	112.0	129.0	1.0	32.5	72.0	52.3	118.0	0.80	500	660	0.84
CRBA 10020	100	150	20	2.5	117.0	132.0	1.0	40.4	90.0	63.6	144.0	1.05	480	640	1.38
CRBA 11020	110	160	20	2.5	126.0	143.0	1.0	42.7	95.0	70.2	159.0	1.20	440	590	1.50
CRBA 12016	120	150	16	2.5	126.0	143.0	1.0	28.1	62.0	50.3	114.0	0.75	440	590	0.74
CRBA 12020	120	170	20	2.5	136.0	153.0	1.5	44.9	100.0	76.9	175.0	1.30	410	550	2.10
CRBA 12025	120	180	25	2.5	138.0	158.0	1.5	66.3	147.0	109.0	246.0	2.02	400	530	2.60
CRBA 13025	130	190	25	2.5	148.0	168.0	1.5	67.8	150.0	114.8	261.0	2.20	375	500	2.70
CRBA 14025	140	200	25	2.5	161	178	1.5	69.5	154	120.6	274	2.40	350	470	2.84
CRBA 15025	150	210	25	2.5	168	188	1.5	73.1	162	131.9	300	2.70	330	440	3.60
CRBA 15030	150	230	30	3.0	181	198	1.5	114.3	254	187.3	425	4.40	310	420	5.26
CRBA 16025	160	220	25	2.5	181	198	1.5	74.5	165	137.7	313	2.90	310	420	3.32
CRBA 17020	170	220	20	2.5	183	203	1.5	52.3	116	103.6	235	2.10	300	410	2.12
CRBA 18025	180	240	25	2.5	198	218	1.5	79.6	177	154.8	352	3.40	285	380	3.54
CRBA 19025	190	240	25	2.5	203	223	1.0	54.5	121	113.6	258	2.40	280	370	2.90
CRBA 20025	200	260	25	2.5	218	238	2.0	82.3	183	166.4	378	3.85	260	340	4.16
CRBA 20030	200	280	30	3.0	231	248	2.0	122.9	273	242.0	550	6.40	250	330	4.12
CRBA 20035	200	295	35	3.0	238	258	2.0	155.9	346	277.4	630	7.40	240	320	9.58
CRBA 22025	220	280	25	2.5	237	259	2.0	86.3	192	183.5	417	4.40	240	320	4.14
CRBA 24025	240	300	25	2.5	257	279	2.0	90.5	201	200.6	456	5.00	220	290	4.50
CRBA 25025	250	310	25	2.5	267	289	2.0	91.6	203	206.4	469	5.20	210	285	4.64
CRBA 25030	250	330	30	3.0	280	299	2.0	142.0	315	286.2	650	8.40	200	275	8.20
CRBA 25040	250	355	40	4.0	289	311	2.0	207.0	460	391.8	890	12.80	200	260	14.40
CRBA 30025	300	360	25	2.5	317	339	2.5	100.6	223	246.5	560	7.00	180	240	5.46
CRBA 30035	300	395	35	3.0	337	359	2.5	191.6	426	407.8	927	13.50	170	230	5.80
CRBA 30040	300	405	40	4.0	339	361	2.5	227.0	504	465.8	1,058	16.50	170	220	17.00
CRBA 40035	400	480	35	3.0	426	447	2.5	219.4	487	523.9	1,190	20.00	135	180	13.86

¹⁾ d = Inner diameter; D = Outer diameter

²⁾ Measured at 30 rpm with grease filling (G05)

Note: The load ratings correspond to the standard ISO76/ISO281.