

# Crossed Roller Bearings

## CRBC/CRBD

### 4.3 CRBC

Series with solid inner and outer ring.

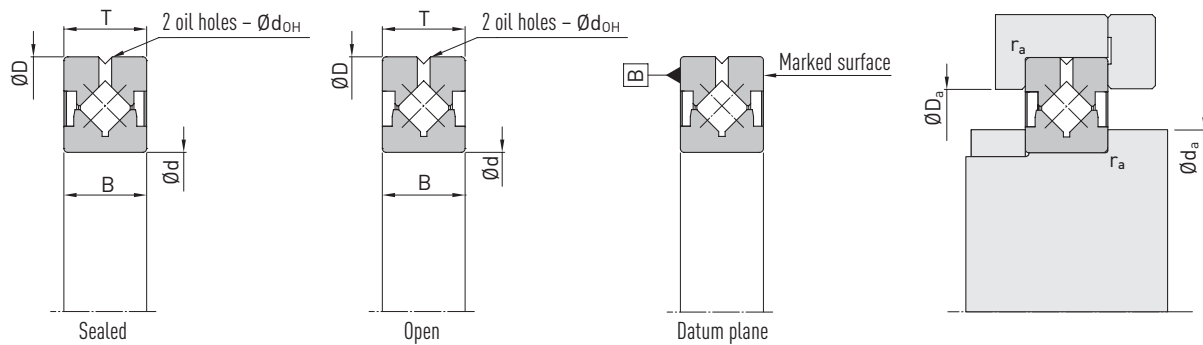


Table 4.3 CRBC specifications

Article number	Dimensions [mm]			Oil holes d <sub>OH</sub>	Installation dim. [mm]			Load ratings [kN]				Max. idle torque [Nm] <sup>2)</sup>	Max. speed [rpm]		Weight [kg]
	d <sup>1)</sup>	D <sup>1)</sup>	Width B, T		d <sub>a</sub>	D <sub>a</sub>	r <sub>a</sub> (max)	Dyn. load rating C <sub>dyn</sub>		Stat. load rating C <sub>0</sub>			Grease	Oil	
								radial	axial	radial	axial				
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 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
CRBC 14025	140	200	25	2.5	161.0	178.0	1.5	69.5	154.0	120.6	274.0	2.40	350	470	2.84
CRBC 15025	150	210	25	2.5	168.0	188.0	1.5	73.1	162.0	131.9	300.0	2.70	330	440	3.60
CRBC 16025	160	220	25	2.5	181.0	198.0	1.5	74.5	165.0	137.7	313.0	2.90	310	420	3.32
CRBC 17020	170	220	20	2.5	183.0	203.0	1.5	52.3	116.0	103.6	235.0	2.10	300	410	2.12
CRBC 18025	180	240	25	2.5	198.0	218.0	1.5	79.6	177.0	154.8	352.0	3.40	285	380	3.50
CRBC 19025	190	240	25	2.5	203.0	223.0	1.5	54.5	121.0	113.6	258.0	2.40	280	370	2.90
CRBC 20025	200	260	25	2.5	218.0	238.0	2.0	82.3	183.0	166.4	378.0	3.85	260	340	4.16
CRBC 40035	400	480	35	3.0	426.0	447.0	2.5	219.4	487.0	523.9	1,190.0	20.00	135	180	13.86

<sup>1)</sup> d = Inner diameter; D = Outer diameter

<sup>2)</sup> Measured at 30 rpm with grease filling (G05)

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