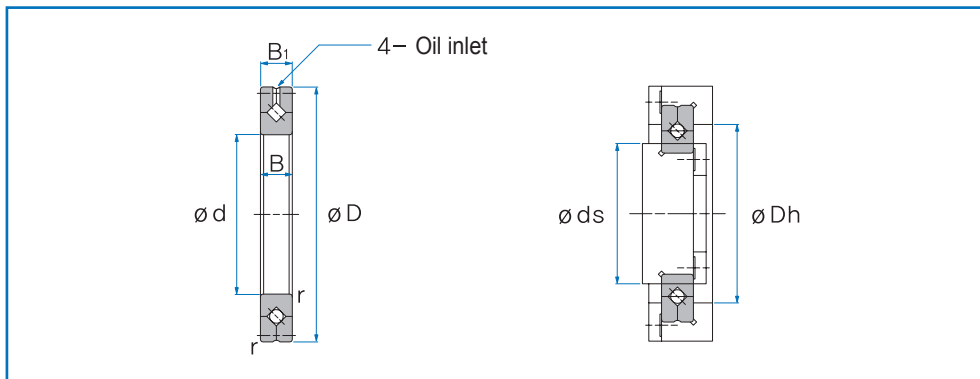


14 Dimension of Crossed Roller Bearing

1. CB series

- Standard type, inner ring rotating outer ring separable structure



Unit : mm

Axia diameter	Part No.	Major dimension							Assembly size		Basic rated load (radial)		Mass kg
		I/D d	O/D D	Pitch dia dp	W B B ₁	Oil inlet		r ^{min}	ds	Dh	C kN	C ₀ kN	
						a	b						
20	CB 2008	20	36	27	8	2	0.8	0.5	23.5	30.5	3.23	3.1	0.04
25	CB 2508	25	41	32	8	2	0.8	0.5	28.5	35.5	3.63	3.83	0.05
30	CB 3010	30	55	41.5	10	2.5	1	0.6	37	47	7.35	8.36	0.12
35	CB 3510	35	60	46.5	10	2.5	1	0.6	41	51.5	7.64	9.12	0.13
40	CB 4010	40	65	51.5	10	2.5	1	0.6	47.5	57.5	8.33	10.6	0.16
45	CB 4510	45	70	56.5	10	2.5	1	0.6	51	61.5	8.62	11.3	0.17
50	CB 5013	50	80	64	13	2.5	1.6	0.6	57.4	72	16.7	20.9	0.27
60	CB 6013	60	90	74	13	2.5	1.6	0.6	68	82	18	24.3	0.3
70	CB 7013	70	100	84	13	2.5	1.6	0.6	78	92	19.4	27.7	0.35
80	CB 8016	80	120	98	16	3	1.6	0.6	91	111	30.1	42.1	0.7
90	CB 9016	90	130	108	16	3	1.6	1	98	118	31.4	45.3	0.75
100	CB 10016	100	140	119.3	16	3.5	1.6	1	109	129	31.7	48.6	0.83
	CB 10020		150	123	20	3.5	1.6	1	113	133	33.1	50.9	1.45
110	CB 11012	110	135	121.8	12	2.5	1	0.6	117	127	12.5	24.1	0.4
	CB 11015		145	126.5	15	3.5	1.6	0.6	122	136	23.7	41.5	0.75
	CB 11020		160	133	20	3.5	1.6	1	120	143	34	54	1.56
120	CB 12016	120	150	134.2	16	3.5	1.6	0.6	127	141	24.2	43.2	0.72
	CB 12025		180	148.7	25	3.5	2	1.5	133	164	66.9	100	2.62

1N ≅ 0.102kgf

Unit : mm

Axia diameter	Part No.	Major dimension							Assembly size		Basic rated load (radial)		Mass kg
		ID d	OD D	Pitch dia dp	W BB ₁	Oil inlet		r min	ds	Dh	C kN	C ₀ kN	
						a	b						
130	CB 13015	130	160	144.5	15	3.5	1.6	0.6	137	152	25	46.7	0.72
	CB 13025		190	158	25	3.5	2	1.5	143	174	69.5	107	2.82
140	CB 14016	140	175	154.8	16	2.5	1.6	1	147	162	25.9	50.1	1
	CB 14025		200	168	25	3.5	2	1.5	154	185	74.8	121	2.96
150	CB 15013	150	180	164	13	2.5	1.6	0.6	157	172	27	53.5	0.68
	CB 15025		210	178	25	3.5	2	1.5	164	194	76.8	128	3.16
	CB 15030		230	188	30	4.5	3	1.5	173	211	100	156	5.3
160	CB 16025	160	220	188.6	25	3.5	2	1.5	173	204	81.7	135	3.14
170	CB 17020	170	220	191	20	3.5	1.6	1.5	184	198	29	62.1	2.21
180	CB 18025	180	240	210	25	3.5	2	1.5	195	225	84	143	3.44
190	CB 19025	190	240	211.9	25	3.5	1.6	1	202	222	41.7	82.9	2.99
200	CB 20025	200	260	230	25	3.5	2	2	215	245	84.2	157	4
	CB 20030		280	240	30	4.5	3	2	221	258	114	200	6.7
	CB 20035		295	247.7	35	5	3	2	225	270	151	252	9.6
220	CB 22025	220	280	250.1	25	3.5	2	2	235	265	92.3	171	4.1
240	CB 24025	240	300	269	25	3.5	2	2.5	256	281	68.3	145	4.5
250	CB 25025	250	310	277.5	25	3.5	2	2.5	265	290	69.3	150	5
	CB 25030		330	287.5	30	4.5	3	2.5	269	306	126	244	8.1
	CB 25040		355	300.7	40	6	3.5	2.5	275	326	195	348	14.8
300	CB 30025	300	360	328	25	3.5	2	2.5	315	340	76.3	178	5.9
	CB 30035		395	345	35	5	3	2.5	322	368	183	367	13.4
	CB 30040		405	351.6	40	6	3.5	2.5	326	377	212	409	17.2
350	CB 35020	350	400	373.4	20	3.5	1.6	2.5	363	383	54.1	143	3.9
400	CB 40035	400	480	440.3	35	5	3	2.5	422	459	156	370	14.5
	CB 40040		510	453.4	40	6	3.5	2.5	428	479	241	531	23.5
450	CB 45025	450	500	474	25	3.5	1.6	1	464	484	61.7	182	6.6
500	CB 50025	500	550	524.2	25	3.5	1.6	1	514	534	65.5	201	7.3
	CB 50040		600	548.8	40	6	3	2.5	526	572	239	607	26
	CB 50050		625	561.6	50	6	3.5	2.5	536	587	267	653	41.7
600	CB 60040	600	700	650	40	6	3	3	627	673	264	721	29
700	CB 70045	700	815	753.5	45	6	3	3	731	777	281	836	46
800	CB 80070	800	950	868.1	70	6	4	4	836	900	468	1330	105
900	CB 90070	900	1050	969	70	6	4	4	937	1001	494	1490	120

1N ≙ 0.102kgf