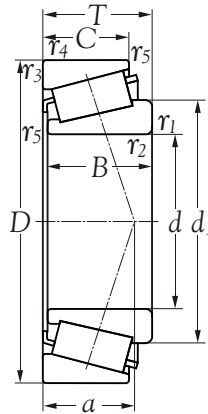


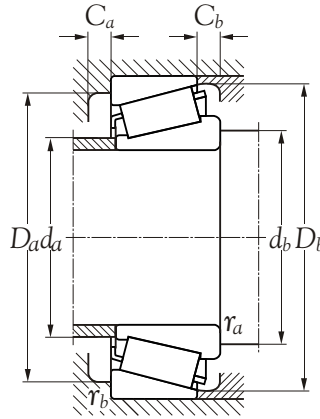


Technical Information



Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Speed ratings		Dimension series to iso 355	Mass kg
		<i>D</i> mm	<i>T</i> mm	dynamic <i>C</i> N	static <i>C₀</i> N	grease r/min	oil r/min		
25	31305	62	18.25	30400	32000	3900	5200	7 FB	0.26
30	31306	72	20.75	37800	40000	3500	4600	7 FB	0.39
35	31307	80	22.75	49200	53600	3100	4200	7 FB	0.52
40	31308	90	25.25	58900	65200	2800	3700	7 FB	0.72
45	31309	100	27.25	73000	81600	2300	3100	7 FB	0.95
50	31310	110	29.25	84800	96000	2200	3000	7 FB	1.20
55	31311	120	31.50	96800	109600	1900	2600	7 FB	1.55
60	31312	130	33.50	116000	132800	1800	2500	7 FB	1.90
65	31313	140	36.00	132000	154400	1500	2200	7 GB	2.35
70	31314	150	38.00	149600	176000	1400	2100	7 GB	2.95
75	31315	160	40.00	167200	196000	1300	1900	7 GB	3.50
80	31316	170	42.50	179200	212000	1300	1900	7 GB	4.05
85	31317	180	44.50	193600	228000	1200	1800	7 GB	4.60
90	31318	190	46.50	211200	252000	1100	1600	7 GB	5.90
95	31319	200	49.50	233600	284000	1100	1600	7 GB	6.95
100	31320 X	215	56.50	299200	372000	1100	1500	7 GB	8.60
105	31321 X	225	58.00	321600	400000	1000	1400	7 GB	9.65
110	31322 X	240	63.00	365600	468000	900	1300	7 GB	12.00
120	31324 X	260	68.00	431200	556000	800	1100	7 GB	15.50
130	31326 X	280	72.00	484000	624000	700	1100	7 GB	18.50
140	31328 X	300	77.00	554400	720000	700	1000	7 GB	24.50
150	31330 X	320	82.00	624800	816000	600	900	7 GB	29.50





Inner bore d mm	Bearing number	Dimensions(mm)							Abutment and fillet dimensions(mm)								Calculation factors			
		d_1 \approx	B	C	$r_{1,2}$ min	$r_{3,4}$ min	r_5 min	a	d_a max	d_b min	D_a min	D_a max	D_b min	C_a min	C_b min	r_a max	r_b max	e	Y	Y_0
25	31305	45.8	17	13	1.5	1.5	0.6	20	34	32	47	55	59	3	5.0	1.0	1.0	0.83	0.72	0.4
30	31306	52.7	19	14	1.5	1.5	0.6	22	40	37	55	65	68	3	6.5	1.0	1.0	0.83	0.72	0.4
35	31307	59.6	21	15	2.0	1.5	0.6	25	45	44	62	71	76	3	7.5	1.5	1.5	0.83	0.72	0.4
40	31308	62.5	23	20	2.0	1.5	0.6	19	53	49	77	81	82	3	5.0	1.5	1.5	0.35	1.70	0.9
45	31309	74.7	25	18	2.0	1.5	0.6	31	57	54	79	91	95	4	9.0	1.5	1.5	0.83	0.72	0.4
50	31310	81.5	27	19	2.5	2.0	0.6	34	62	60	87	100	104	4	10.0	2.0	2.0	0.83	0.72	0.4
55	31311	88.4	29	21	2.5	2.0	0.6	37	68	65	94	110	113	4	10.5	2.0	2.0	0.83	0.72	0.4
60	31312	95.9	31	22	3.0	2.5	1.0	39	74	72	103	118	123	5	11.5	2.0	2.0	0.83	0.72	0.4
65	31313	103	33	23	3.0	2.5	1.0	42	80	77	111	128	132	5	13.0	2.0	2.0	0.83	0.72	0.4
70	31314	110.0	35	25	3.0	2.5	1.0	45	85	82	118	138	141	5	13.0	2.0	2.0	0.83	0.72	0.4
75	31315	116.0	37	26	3.0	2.5	1.0	48	91	87	127	148	151	6	14.0	2.0	2.0	0.83	0.72	0.4
80	31316	124.0	39	27	3.0	2.5	1.0	52	97	92	134	158	159	6	15.5	2.0	2.0	0.83	0.72	0.4
85	31317	131.0	41	28	4.0	3.0	1.0	55	103	99	143	166	169	6	16.5	2.5	2.5	0.83	0.72	0.4
90	31318	138.0	43	30	4.0	3.0	1.0	57	109	104	151	176	179	5	16.5	2.5	2.5	0.83	0.72	0.4
95	31319	145.0	45	32	4.0	3.0	1.0	60	114	109	157	186	187	5	17.5	2.5	2.5	0.83	0.72	0.4
100	31320 X	158.0	51	35	4.0	3.0	1.0	65	121	114	168	201	202	7	21.5	2.5	2.5	0.83	0.72	0.4
105	31321 X	165.0	53	36	4.0	3.0	1.0	68	127	119	176	211	211	7	22.0	2.5	2.5	0.83	0.72	0.4
110	31322 X	176.0	57	38	4.0	3.0	1.0	72	135	124	188	226	224	7	25.0	2.5	2.5	0.83	0.72	0.4
120	31324 X	190.0	62	42	4.0	3.0	1.0	78	145	134	203	246	244	9	26.0	2.5	2.5	0.83	0.72	0.4
130	31326 X	204.0	66	44	5.0	4.0	1.5	84	157	148	218	262	261	8	28.0	3.0	3.0	0.83	0.72	0.4
140	31328 X	219.0	70	47	5.0	4.0	1.5	90	169	158	235	282	280	9	30.0	3.0	3.0	0.83	0.72	0.4
150	31330 X	234.0	75	50	5.0	4.0	1.5	96	181	168	251	302	300	9	32.0	3.0	3.0	0.83	0.72	0.4

