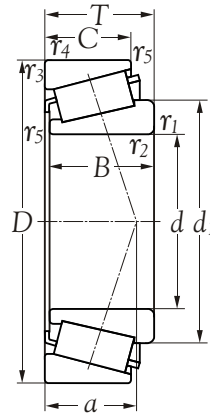


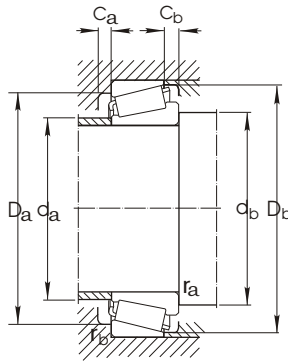


Technical Information



Inner bore <i>d</i> mm	Bearing number	Principal dimensions		Basic load ratings		Speed ratings lubrication		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		
50	33010	80	24	55400	81600	3100	4200	2 CE	0.45
55	33011	90	27	71700	109600	2800	3700	2 CE	0.67
60	33012	95	27	73000	114400	2600	3500	2 CE	0.71
65	33013	100	27	77400	124800	2300	3100	2 CE	0.78
70	33014	110	31	104000	156800	2200	3000	2 CE	1.10
75	33015	115	31	107200	182400	2100	2800	2 CE	1.15
80	33016	125	36	134400	228000	1800	2500	2 CE	1.65
85	33017	130	36	146400	248000	1800	2500	2 CE	1.75
90	33018	140	39	172800	284000	1500	2200	2 CE	2.20
95	33019	145	39	176000	300000	1500	2200	2 CE	2.30
100	33020	150	39	179200	312000	1400	2100	2 CE	2.40
105	33021	160	43	196800	344000	1300	1900	2 DE	3.05
110	33022	170	47	224800	400000	1200	1800	2 DE	3.85
120	33024	180	48	233600	432000	1200	1800	2 DE	4.20
150	33030	225	59	365600	692000	1000	1400	2 EE	8.15





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
50	33010	64.9	24	19.0	1.0	1.0	0.3	17	56	56	72	74	76	4	5.0	1.0	1.0	0.31	1.9	1.1
55	33011	72.9	27	21.0	1.5	1.5	0.6	19	63	62	83	83	86	5	6.0	1.0	1.0	0.31	1.9	1.1
60	33012	77.1	27	21.0	1.5	1.5	0.6	20	67	67	88	88	90	5	6.0	1.0	1.0	0.33	1.8	1.0
65	33013	82.5	27	21.0	1.5	1.5	0.6	21	72	72	89	93	96	5	6.0	1.0	1.0	0.46	1.3	0.7
70	33014	88.8	31	25.5	1.5	1.5	0.6	23	78	77	99	103	105	5	5.5	1.0	1.0	0.28	2.1	1.1
75	33015	95.0	31	25.5	1.5	1.5	0.6	23	84	82	104	108	110	6	5.5	1.0	1.0	0.30	2.0	1.1
80	33016	102.0	36	29.5	1.5	1.5	0.6	26	90	87	112	118	119	6	6.5	1.0	1.0	0.28	2.1	1.1
85	33017	107.0	36	29.5	1.5	1.5	0.6	26	94	92	118	123	125	6	6.5	1.0	1.0	0.30	2.0	1.1
90	33018	113.0	39	32.5	2.0	1.5	0.6	27	100	99	127	131	135	7	6.5	1.5	1.5	0.27	2.2	1.3
95	33019	118.0	39	32.5	2.0	1.5	0.6	28	104	104	131	136	139	7	6.5	1.5	1.5	0.28	2.1	1.1
100	33020	122.0	39	32.5	2.0	1.5	0.6	29	109	109	135	141	143	7	6.5	1.5	1.5	0.28	2.1	1.1
105	33021	131.0	43	34.0	2.5	2.0	0.6	31	117	115	145	150	153	7	9.0	2.0	2.0	0.28	2.1	1.1
110	33022	139.0	47	37.0	2.5	2.0	0.6	34	123	120	152	160	161	7	10.0	2.0	2.0	0.28	2.1	1.1
120	33024	149.0	48	38.0	2.5	2.0	0.6	36	132	130	160	170	171	6	10.0	2.0	2.0	0.30	2.0	1.1
150	33030	188.0	59	46.0	3.0	2.5	1.0	48	164	162	200	213	217	8	13.0	2.5	2.5	0.37	1.6	0.9

