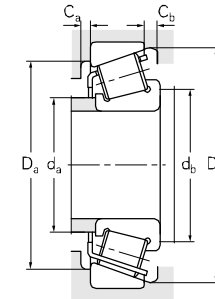
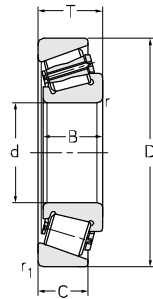
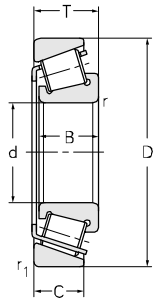


Single-row Tapered Roller Bearing(Metric)

d 50-55 mm



Principal dimensions					Basic load ratings				Limit speed ratings			
d	D	T	B	C	r _{radial}	r _{axial}	r _{1radial}	r _{1axial}	C _R	C _{OR}	Grease	Oil
											r/min	
50	82	21.5	21.5	17	3	3	0.5	0.5	81.6	100	3200	4300
	83	20.5	20.5	15.5	4	4	1	1	66	91	4500	6000
	83	20.5	20.5	15.5	4	4	1	1	66	91	4500	6000
	85	26	26	20	1.5	1.5	1.5	1.5	98.7	122	4400	5500
	90	32	32	24.5	1.5	1.5	1.5	1.5	119	160	3800	5000
	90	21.75	20	17	1.5	1.5	1.5	1.5	84.9	91.5	4300	5600
	90	23.75	20	19	1.5	1.5	1.5	1.5	79.5	96.5	4200	5500
	90	24.75	23	19	1.5	1.5	1.5	1.5	94	100	4300	5600
	90	25	23	19	1.3	1.3	1.3	1.3	62	77	4300	5600
	110	29.25	27	23	2.5	2.5	2	2	141	140	3600	4800
	110	29.25	27	23	2.5	2.5	2.5	2.5	141	140	3600	4800
	110	29.25	27	19	2.5	2.5	2	2	110	124	3200	4300
	110	42.25	40	33	2.5	2.5	2	2	173	214	3600	4800
	110	42.25	40	33	2.3	2.3	2.3	2.3	173	214	3600	4800
50.8	100	35	35	29	2	2	2	2	119	171	3900	4900
55	90	27	27	21	1.5	1.5	1.5	1.5	108	147	4000	5300
	90	23	23	17.5	1.5	1.5	1.5	1.5	92.4	116	4000	5300
	95	30	30	23	2	2.5	2	2.5	110	163	4000	5300
	95	30	30	23	1.5	1.5	1.5	1.5	100	163	3800	5000
	100	26.75	25	21	2	2	1.5	1.5	108	133	3800	5000
	100	26.75	25	21	2	2	1.5	1.5	98	133	3800	5000
	100	35	35	27	2	2	1.5	1.5	136	190	3400	4500
	100	35	35	27	2	2	1.5	1.5	136	190	3400	4500
	100	32	31	24.5	2	2	2	2	142	174	3400	4500
	100	22.75	21	18	2	2	1.5	1.5	102.8	106	3800	5000
	100	22.75	21	18	2	2	1.5	1.5	102.8	106	4000	5300
	100	26.75	25	21	6	6	1.5	1.5	108	133	3800	5000
	120	31.5	29	25	2.5	2.5	2	2	165	163	3200	4300
	120	31.5	29	25	2.5	2.5	2	2	165	163	3200	4300

Designations	Abutment and fillet dimensions						Calculation coefficient				Weight		
	da _{max}	db _{min}	Da _{min}	Da _{max}	Db _{min}	Ca _{min}	Cb _{min}	e	Y	Y0		a	
mm													kg
30610	57	62	72	82	79	3	4.5	0.31	2	1.08	16	0.331	
32010X3A/HAP5	57	64	73	79	80	4	5	0.36	1.7	0.92	17	0.430	
32010X3A-SG	57	64	73	79	80	4	5	0.36	1.7	0.92	17	0.43	
33110	56	55	72	80	82	4	6	0.41	1.46	0.8	20	0.581	
33210	57	58	75	83	88	3	7.5	0.41	1.5	0.8	23	1.17	
30210	58	57	79	83	86	3	5	0.42	1.4	0.79	20	0.55	
30210X2-HQ	57	57	78	83	86	3	5.8	0.42	1.4	0.79	21	0.576	
32210	58	57	78	83	85	3	5.5	0.43	1.4	0.8	21	0.640	
32210A	60	59	76	90	86	3	6	0.42	1.4	0.78	21	0.612	
30310-1	65	60	95	100	103	4	6	0.35	1.74	0.96	23	1.26	
30310	65	60	95	100	103	4	6	0.35	1.7	0.96	23	1.26	
31310	63	10	86	102	104	3	10	0.83	0.7	0.4	35	1.25	
32310	61	60	90	100	102	5	9.5	0.35	1.7	0.96	27	1.26	
32310/YA6	64	51	89	110	103	4	9.3	0.35	1.7	0.96	27	1.97	
306/50.8	61	57	84	94	95	4	6	0.3	2	1.1	23	1.27	
33011	62	65	78	83	87	4.5	5.5	0.31	1.92	1.06	19	0.839	
32011	64	63	79	83	88	4.5	5.5	0.41	1.5	0.81	20	0.564	
33111	64	63	81	88	92	3	7	0.37	1.6	0.88	22	0.881	
33111/HA	64	63	81	88	92	3	7	0.37	1.6	0.88	22	0.881	
32211	62	64	87	91	95	4	5.7	0.4	1.5	0.81	22	0.878	
32211/HAP6X	62	64	87	91	95	4	5.7	0.4	1.5	0.81	22	0.878	
33211	63	64	85	93	96	6	8	0.4	1.5	0.8	25	1.17	
33211/HAP6X	63	64	85	93	96	6	8	0.4	1.5	0.8	25	1.17	
33211X2A	64	64	85	92	97	4.5	7.5	0.4	1.5	0.81	24	1.01	
30211	64	64	88	91	95	4	5	0.4	1.5	0.81	21	0.713	
30211/YA	65	64	87	93	95	3	4.8	0.4	1.5	0.81	21	0.689	
32211/YA6	65	74	85	93	95	3	5.8	0.4	1.5	0.81	22	0.875	
30311	70	65	104	110	112	4	6.5	0.35	1.7	0.96	25	1.65	
30311R	70	65	104	110	112	4	6.5	0.35	1.7	0.96	25	1.71	