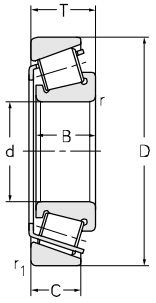
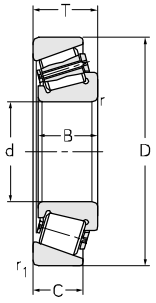
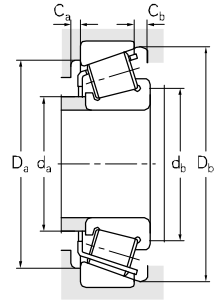
Single-row Tapered Roller Bearing(Metric)

ZWZ

d 40~50 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
mm									kN		r/min	
40	80	30	29	23	2	2	2	2	103	120	4300	5600
	80	19.75	18	16	1.5	1.5	1.5	1.5	70	73	4800	6300
	90	25.25	23	17	2	2	1.5	1.5	71.5	77	4000	5300
	80	24.75	23	19	1.5	1.5	1.5	1.5	83.5	93	4800	6300
	80	24.75	23	19	3	3	1.5	1.5	83.5	94	4800	6300
	90	35.25	33	27	2	2	1.5	1.5	117	140	4000	5300
	90	35.25	33	27	2	2	1.5	1.5	114	148	4000	5300
	90	35.25	33	27	1.8	1.8	1.8	1.8	102	119	4000	5300
42	76	24	27.5	19.8	2	2	0.6	0.6	77.5	104	5000	6300
	76	23.8	27.5	19.8	0.7	0.7	0.1	0.1	77.5	104	5000	6300
45	75	20	20	15.5	1	1	1	1	66.4	80	4800	6300
	75	20	20	15.5	1	1	1	1	66.4	80	4800	6300
	75	20	20	15.5	1	1	1	1	66.4	80	4800	6300
	75	24	24	19	1	1	1	1	75.4	104	4800	6300
	80	26	26	20.5	1.5	1.5	1.5	1.5	95.3	118	4500	6000
	85	20.75	19	16	1.5	1.5	1.5	1.5	80.3	83	4500	6000
	85	24.75	23	19	1.5	1.5	1.5	1.5	90.3	105	4500	6000
	85	24.75	23.5	20	1.5	1.5	1.5	1.5	90.3	105	4500	6000
	100	27.25	25	22	2	2	1.5	1.5	123	120	4000	5300
	100	32	29	20.5	2	2	1.5	1.5	99	107	4000	5300
	100	27.25	25	18	2	2	1.5	1.5	105	102	3600	4800
	100	32	29	20.5	2	2	1.5	1.5	148	163	3400	4500
	100	38.25	36	30	2	2	1.5	1.5	153	174	3600	4800
	100	31.8	29	20.5	2	2	1.5	1.5	98	108	3600	4800
47	100	42.5	43	37	1.8	1.8	1.8	1.8	137	190	4000	5100
50	80	20	20	15.5	1	1	1	1	67.8	88	4500	6000
	80	20	20	15.5	1	1	1	1	67.8	88	4500	6000
	80	22	20	17.5	4	4	1.5	1.5	60	86	4500	6000
	80	24	24	19	1	1	1	1	77	111	4500	6000

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
33208X2A	49	49	65	72	77	3	7	0.43	1.4	0.77	21	0.669
30208	49	47	69	73	75	3	3.8	0.37	1.6	0.88	17	0.43
31308	48	49	71	81	87	4	9.5	0.83	0.7	0.4	29	0.731
32208	48	47	68	73	76	3	5.8	0.37	1.6	0.88	18	0.561
32208/YA6	48	47	68	73	76	3	5.8					0.561
32308	49	49	73	81	83	4	8.5	0.35	1.7	0.96	22	1.080
32308B	50	49	67	83	85	3	8.3	0.55	1.1	0.6	27	1.06
32308/YA8	49	49	73	81	83	4	8.5	0.35	1.7	0.96	22	1.020
306/42	48	48	65	73	73	2	4	0.28	2.16	1.19	16	0.479
306/42/P6XYB2	48	48	65	73	73	2	4	0.28	2.16	1.19	16	0.479
32009	52	49	65	71	73	3	6	0.39	1.5	0.84	17	0.343
32009/HA	52	49	65	71	73	3	6	0.39	1.5	0.84	17	0.343
32009/P6X	52	49	65	71	73	3	6	0.39	1.5	0.84	17	0.343
33009	50	48	66	72	72	3	5	0.29	2.04	1.12	16	0.414
33109R	52	52	69	73	77	4	5.5	0.37	1.6	0.9	19	0.538
30209	53	52	74	78	80	3	5	0.4	1.5	0.81	18	0.464
32209	53	52	73	78	81	3	5.8	0.4	1.5	0.81	20	0.576
32209X2A	53	53	69	78	78	3	4.8	0.4	1.5	0.83	19	0.621
30309	59	54	86	91	94	4	8.5	0.35	1.7	0.96	21	0.987
30309X2B	56	54	77	93	95	4	12	0.72	0.8	0.46	30	1.08
31309	54	54	79	91	96	4	9.5	0.83	0.7	0.4	32	0.977
31309X2	55	54	75	93	95	3	12	0.81	0.7	0.41	33	1.16
32309	56	54	82	91	93	4	8.5	0.35	1.7	0.96	25	1.44
32309X2A	56	54	77	93	95	4	11	0.72	0.8	0.46	30	1.14
306/47	55	54	80	93	94	3	5.5	0.31	1.94	1.07	27	1.66
32010	57	54	70	76	78	4	4.5	0.42	1.4	0.78	18	0.381
32010-AAM/P6	57	54	70	76	78	4	4.5	0.42	1.4	0.78	18	0.386
32010X2A/HAP5-1	57	64	70	73	78	4	4.5	0.42	1.4	0.78	19	0.388
33010	55	58	70	77	76	4	4.5	0.32	1.9	1.04	17	0.442