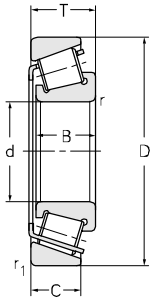
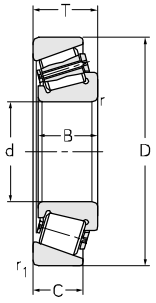
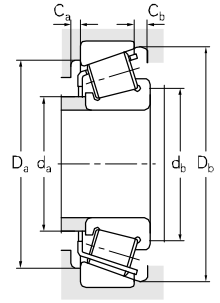
Single-row Tapered Roller Bearing(Metric)

ZWZ

d 90~100 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	
90	190	46.5	43	36	4	4	3	3	335	410	1800	2600
	190	46.5	43	30	4	4	3	3	283	340	2000	3000
	190	67.5	64	53	4	4	3	3	485	650	1700	2400
90.5	160	42.5	40	34	2.5	2.5	2	2	274	380	2000	3000
95	130	23	22	18	1.5	1.5	1.5	1.5	79.5	135	2300	3300
	145	32	32	24	2	2	1.5	1.5	182	292	2200	3200
	145	32.4	30	26	2	2	1.5	1.5	161	248	2200	3200
	145	39	39	32.5	2	2	1.5	1.5	220	368	2200	3200
	145	39	39	32.5	2	2	1.5	1.5	220	368	2200	3200
	145	39	40	32.5	2	2	1.5	1.5	220	368	2200	3200
	160	47	47	38	3	3	3	3	286	460	2200	3200
	170	45.5	43	37	3	3	2.5	2.5	298	415	1900	2800
	170	45.5	43	37	3	3	2.5	2.5	300	415	1900	2800
	170	34.5	32	27	3	3	2.5	2.5	233	300	1900	2800
	170	47	47	37	3	3	3	3	300	460	1900	2800
	170	58	58	44	3	3	2.5	2.5	405	560	1900	2800
	200	49.5	45	38	4	4	3	3	365	445	1800	2600
	200	49.5	45	32	4	4	3	3	305	370	1900	2800
	200	71.5	67	55	4	4	3	3	520	705	1700	2400
	200	71.5	67	55	12	12	3	3	555	765	1700	2400
100	140	25	25	20	1.5	1.5	1.5	1.5	116	204	2400	3100
	150	32	32	24	2	2	1.5	1.5	190	281	1600	2200
	165	52	52	40	2.5	2.5	2	2	301	510	2200	2800
	180	63	63	48	3	3	2.5	2.5	430	655	1700	2400
	180	63	63	48	3	3	2.5	2.5	450	690	1700	2400
	180	37	34	29	3	3	2.5	2.5	262	340	1900	2800
	180	49	46	39	3	3	2.5	2.5	345	490	1800	2600
	215	77.5	73	60	4	4	3	3	570	780	1600	2200
	215	51.5	47	39	4	4	3	3	405	495	1700	2400
	215	56.5	51	35	4	4	3	3	430	465	1600	2200

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
30318	113	104	165	176	178	6	11	0.35	1.7	0.96	37	5.76
31318	102	104	151	176	181	6	17	0.83	0.7	0.4	59	5.53
32318	107	104	157	176	178	8	15	0.35	1.7	0.96	45	8.97
32218/YB2	101	97	136	153	155	3	8.5	0.42	1.43	0.79	37	3.48
32919X2A	102	103	117	124	126	5	7	0.38	1.59	0.87	25	0.786
32019	105	104	130	138	139	6	8	0.44	1.35	0.8	31	1.87
32019X2A	105	104	130	136	140	6	8	0.36	1.7	0.93	33	1.80
33019	105	104	128	138	140	4.5	6.5	0.28	2.2	1.19	29	2.32
33019-HD	105	104	128	138	140	4.5	6.5	0.28	2.2	1.19	29	2.32
33019X2/YB2	105	104	128	138	140	4.5	6.5	0.28	2.2	1.19	29	2.25
30619	108	107	137	149	153	4.5	9	0.34	1.8	0.97	35	3.79
32219	106	107	145	158	163	5	8.5	0.42	1.4	0.79	40	4.34
32219N1-WTL	106	107	145	158	163	5	8.5	0.42	1.4	0.79	40	4.18
30219	108	107	149	158	160	5	7.5	0.42	1.4	0.79	35	3.27
33020X3A/HA	116	107	146	159	160	7	10	0.29	2.1	1.15	33	4.26
33219	109	107	141	161	164	7	14	0.41	1.5	0.81	43	5.54
30319	118	109	172	186	185	6	12	0.35	1.7	0.96	39	6.91
31319	107	109	157	186	189	6	18	0.83	0.7	0.4	62	6.84
32319	114	109	166	186	187	8	17	0.35	1.7	0.96	47	10.0
32319/YA6	114	109	166	186	187	8	17	0.35	1.7	0.96	47	10
32920	108	105	127	134	137	3	5	0.33	1.82	1	25	1.13
32020	110	109	131	143	145	4.5	8	0.46	1.3	0.72	33	1.87
33120	111	107	140	158	160	10	12	0.41	1.48	0.81	40	4.33
33220	112	112	151	168	172	10	15	0.4	1.5	0.8	43	6.58
33220/P6XYA8	112	112	151	168	172	10	15	0.4	1.5	0.8	43	6.73
30220	114	112	157	168	169	5	8	0.42	1.4	0.79	37	3.56
32220	113	112	154	168	172	5	10	0.42	1.4	0.79	42	5.31
32320	123	115	177	201	200	8	17.5	0.35	1.7	0.9	51	13.1
30320	127	114	184	201	199	6	13	0.35	1.7	0.96	41	8.09
31320	121	115	168	201	202	7	21.5	0.83	0.72	0.4	65	8.78