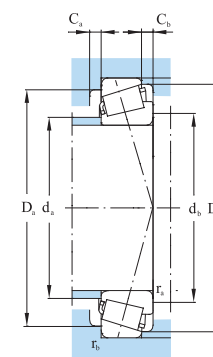
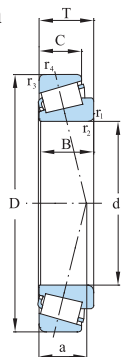


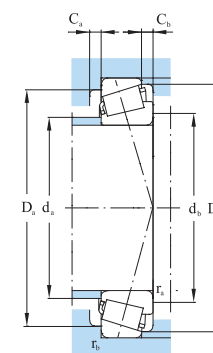
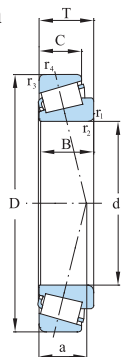
Single row tapered roller bearings inch



Designations	Boundary dimensions							Basic load rating		Limiting speeds	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
11590/11520	15.875	42.862	14.288	9.525	1.5	1.5		18.0	17.7	8500	12000
21063/21212		53.975	22.225	21.839	15.875	2.3	2.3	39.6	39.0	7500	10000
LM11749/LM11710	17.462	39.878	13.843	14.605	10.668	1.3	1.3	22.8	22.3	9000	13000
LM11949/LM11910	19.050	45.237	15.494	16.637	12.065	1.3	1.3	29.5	28.9	2900	8500
21075/21212		53.975	22.225	21.839	15.875	1.5	2.3	41.4	39.1	7500	10000
M12649/M12610	21.430	50.005	17.526	18.288	13.970	1.3	1.3	36.9	38.0	8000	11000
M12648/M12610	22.225	50.005	17.526	18.288	13.970	1.3	1.3	36.9	38.0	8000	11000
L44640/L44610		50.292	14.224	14.732	10.668	1.5	1.3	28.1	30.3	7400	9900
L44642/L44610	25.400	50.292	14.224	14.732	10.668	3.5	3.5	28.1	30.3	7500	10000
L44643/L44610		50.292	14.224	14.732	10.668	1.3	1.3	28.1	30.3	7500	10000
M84249/M84210		59.530	23.368	23.114	18.288	0.8	1.5	49.1	57.3	6300	9000
15101/15243		61.912	19.050	20.638	14.288	0.8	2.0	46.5	54.0	6000	8000
15100/15245		62.000	19.050	20.638	14.288	3.5	1.3	46.5	54.0	6000	8000
15101/15245		62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
15102/15245		62.000	19.050	20.638	14.288	1.5	1.3	46.5	54.0	6000	8000
15101/15244		62.000	20.638	20.638	15.875	0.8	1.3	46.5	54.0	6000	8000
15101/15250		63.500	20.638	20.638	15.875	0.8	1.3	46.5	54.0	6000	8000
15101/15250X		63.500	20.638	20.638	15.875	0.8	1.5	46.5	54.0	6000	8000
M86643/M86610		64.292	41.433	21.433	16.670	1.5	1.5	51.5	64.5	6000	8000
L44649/L44610	26.988	50.292	14.224	14.732	10.688	3.5	1.3	28.1	30.3	7000	10000
15106/15245		62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
F-0676/L45410	28.000	50.292	14.150	16.740	10.668	3.5	3.5	27.4	34.5	7000	9500
15112/15245		62.000	19.050	20.638	14.288	3.5	1.3	46.5	54.0	6000	8000
15113/15245	28.575	62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
M86647/M86610		64.292	21.433	21.433	16.670	1.5	1.5	51.5	64.5	6000	8000
2578/2523	29.000	69.850	23.812	25.357	19.050	2.3	1.3	69.0	81.5	5700	7600
L45449/L45410		50.292	14.224	14.732	10.688	3.5	1.3	27.4	34.5	7000	9500
15117/15245	29.987	62.000	19.050	20.638	14.288	1.3	1.3	46.5	54.0	6000	8000
14117A/14276	30.000	69.012	19.845	19.583	15.875	3.5	1.3	48.5	58.0	5600	7400
15116/15245		62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
M86649/M86610	30.162	64.292	21.433	21.433	16.670	1.5	1.5	51.9	52.3	6000	8000
2558/2523		69.850	23.812	25.357	19.050	2.3	1.3	69.0	81.5	5700	7600

Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
13	23.0	23.0	36.0	32.0	38.0	2.0	4.5	1.0	1.0	0.72	0.84	0.45	0.1000
16	23.0	28.0	45.0	40.0	50.0	3.0	6.0	1.0	2.0	0.60	1.00	0.60	0.3000
9	23.0	24.0	35.0	33.5	36.0	2.0	3.0	1.0	1.0	0.28	2.10	1.10	0.0830
10	25.0	25.5	38.5	38.0	41.0	3.0	3.0	1.0	1.0	0.30	2.00	1.10	0.1240
16	26.0	26.0	45.0	40.0	50.0	3.0	6.0	1.0	2.0	0.60	1.00	0.60	0.2460
11	28.0	28.0	43.5	43.0	46.0	3.0	3.5	1.0	1.0	0.28	2.10	1.10	0.1700
11	28.5	28.5	43.5	43.0	46.0	3.0	3.5	1.0	1.0	0.28	2.10	1.10	0.1650
11	28.5	30.5	44.5	44.0	47.0	2.0	2.0	1.0	1.0	0.37	1.60	0.88	0.1370
11	33.0	28.0	43.5	43.5	47.0	2.0	3.5	1.0	1.0	0.37	1.60	0.90	0.1250
11	33.0	32.0	43.5	43.5	47.0	2.0	3.5	1.0	1.0	0.37	1.60	0.90	0.1270
18	32.5	36.0	51.0	48.0	56.0	3.0	4.0	0.5	1.0	0.55	1.10	0.60	0.3300
13	31.5	32.5	55.0	54.0	58.0	4.0	4.5	0.5	1.5	0.35	1.71	0.94	0.3000
13	31.5	38.0	55.0	54.0	58.0	4.0	4.5	3.5	1.3	0.35	1.71	0.94	0.2990
14	38.0	31.5	55.0	54.0	58.0	4.0	4.5	0.6	1.0	0.35	1.71	0.94	0.3100
14	31.5	34.0	55.0	54.0	58.0	4.0	4.5	1.5	1.3	0.35	1.71	0.94	0.3010
14	31.5	32.5	55.0	54.0	58.0	4.0	4.5	0.8	1.3	0.35	1.71	0.94	0.3150
14	31.5	32.5	56.0	55.0	59.0	4.0	4.5	0.8	1.3	0.35	1.71	0.94	0.3330
14	38.0	31.5	56.0	54.0	58.0	3.0	4.5	0.6	1.0	0.35	1.71	0.94	0.3330
18	36.5	38.0	54.0	53.0	61.0	4.0	4.5	1.5	1.5	0.55	1.10	0.60	0.3710
11	33.0	38.0	43.5	43.5	47.0	2.0	3.5	3.0	1.0	0.37	1.60	0.90	0.1170
13	33.0	33.5	55.0	54.0	58.0	2.0	4.7	0.8	1.3	0.35	1.71	0.94	0.2110
11	33.0	39.5	44.5	44.0	48.0	3.0	3.5	3.0	3.0	0.37	1.60	0.90	0.1260
13	33.0	40.0	55.0	54.0	58.0	4.0	4.5	3.0	1.0	0.35	1.70	0.90	0.2770
14	34.0	34.5	55.0	54.0	58.0	4.0	4.5	0.8	1.3	0.35	1.71	0.94	0.2800
18	38.0	36.0	56.5	51.0	60.0	3.0	4.5	1.0	1.0	0.54	1.10	0.60	0.3480
13	35.0	39.0	61.5	61.0	64.0	4.0	4.5	2.0	1.0	0.27	2.19	1.21	0.4830
11	34.0	40.5	45.0	43.5	48.0	3.0	3.5	3.0	1.0	0.37	1.60	0.90	0.1140
13	35.0	36.5	55.0	54.0	58.0	4.5	5.0	1.3	1.3	0.35	1.71	0.94	0.2690
16	39.5	42.5	60.0	59.0	63.0	3.5	4.0	3.5	1.3	0.38	1.57	0.86	0.3690
13	35.5	36.0	55.0	54.0	58.0	4.5	5.0	0.8	1.3	0.35	1.71	0.94	0.2680
18	38.0	38.0	56.5	51.0	60.0	3.0	4.5	1.0	1.0	0.54	1.10	0.60	0.3410
14	36.5	40.0	61.0	60.0	64.0	4.0	5.0	2.3	1.3	0.27	2.19	1.21	0.4680

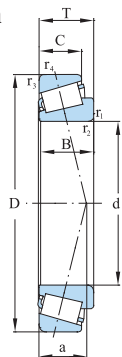
Single row tapered roller bearings inch



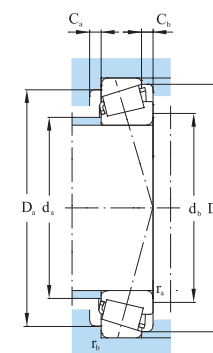
Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
15118/15245	30.213	62.000	19.050	20.638	14.288	3.5	1.3	46.5	54.0	6000	8000
15119/15245		62.000	19.050	20.638	14.288	1.5	1.3	46.5	54.0	6000	8000
15120/15245		62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
14116/14274		69.012	19.845	19.583	15.875	0.8	3.3	48.5	58.0	5600	7400
14116/14276	30.226	69.012	19.845	19.583	15.875	0.8	1.3	48.5	58.0	5600	7400
14116/14283		72.085	22.385	19.583	18.415	0.8	2.3	48.5	58.0	5600	7400
M86648/M86610	30.955	64.292	21.433	21.433	16.670	1.5	1.5	51.0	64.5	5600	8000
F-0687/F-0671		54.000	15.000	15.000	12.000	3.0	3.0	34.2	42.9	6100	8100
LM67048/LM67010		59.131	15.875	16.764	11.811	3.6	1.3	35.9	47.7	6300	8500
LM67049/LM67010		59.131	15.875	16.764	11.811	1.5	1.3	35.9	47.7	6300	8500
LM67049A/LM67010	31.750	59.131	15.875	16.764	11.811	0.8	1.3	35.9	47.7	6300	8500
15123/15245		62.000	18.161	19.050	14.288	4.0	1.3	46.5	54.0	6000	8000
15125/15245		62.000	19.050	20.638	14.288	3.5	1.3	46.5	54.0	6000	8000
15126/15245		62.000	19.050	20.638	14.288	0.8	1.3	46.5	54.0	6000	8000
15123/15250		63.500	19.749	19.050	15.875	3.5	1.3	44.6	49.0	5600	7500
2580/2520		66.421	25.400	25.357	20.638	0.8	3.3	69.3	81.5	5600	7500
14124/14276		69.012	19.845	19.583	15.875	0.8	1.3	48.3	56.2	5600	7400
14125A/14274		69.012	19.845	19.583	15.875	3.5	3.3	48.3	56.2	5600	7500
14125A/14276		69.012	19.845	19.583	15.875	3.5	1.3	48.3	56.2	5600	7400
2580/2523		69.850	23.812	25.357	19.050	0.8	1.3	69.3	81.5	5600	7500
2580/2523S		69.850	23.812	25.357	19.050	0.8	1.5	69.3	81.5	5600	7500
2582/2523		69.850	23.812	25.357	19.050	3.5	1.3	69.3	81.5	5600	7500
HM89440/HM89410		76.200	29.370	28.575	23.020	0.8	3.3	78.0	105.0	5100	6800
M88048/M88010		68.262	22.225	22.225	17.462	0.8	1.5	55.0	69.5	5600	7500
M88048/M88011		68.262	22.225	22.225	17.462	0.8	2.3	55.0	69.5	5600	7500
14130/14276	33.338	69.012	19.845	19.583	15.875	3.5	1.3	48.3	56.2	5600	7500
14131/14276		69.012	19.845	19.583	15.875	0.8	1.3	48.3	56.2	5600	7500
2581/2523		69.850	23.812	25.357	19.050	0.8	1.3	69.0	81.5	5600	7500
2585/2523		69.850	23.812	25.357	19.050	3.5	1.3	69.0	81.5	5600	7500
HM88547/HM88510		73.025	29.370	27.783	23.020	0.8	3.3	72.0	97.0	5400	7100
2785/2720		76.200	23.812	25.654	19.050	3.5	3.3	73.0	90.5	5100	6800
2790/2720		76.200	23.812	25.654	19.050	1.5	3.3	73.0	90.5	5100	6800

Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
13	38.0	40.0	55.0	54.0	58.0	4.0	4.5	3.0	1.0	0.35	1.71	0.94	0.2650
13	35.5	37.5	55.0	54.0	58.0	4.0	4.5	1.5	1.3	0.35	1.71	0.94	0.2670
13	35.5	36.0	55.0	54.0	58.0	4.0	4.5	0.8	1.3	0.35	1.71	0.94	0.2670
16	36.5	37.0	59.0	58.0	63.0	3.0	4.0	0.8	3.3	0.38	1.57	0.86	0.3660
16	36.5	37.0	60.0	59.0	63.0	3.0	4.0	0.8	1.3	0.38	1.57	0.86	0.3700
18	36.5	37.0	60.0	59.0	65.0	3.0	4.0	0.8	2.3	0.38	1.57	0.86	0.4470
18	38.0	42.0	54.0	53.0	61.0	4.5	5.0	1.5	1.5	0.55	1.10	0.60	0.3330
12	38.0	44.0	51.0	50.0	54.0	3.0	4.0	3.5	1.0	0.42	1.44	0.79	0.1330
13	38.0	44.5	52.0	51.0	55.0	3.0	4.0	3.5	1.0	0.40	1.50	0.80	0.1830
13	38.0	44.5	52.0	51.0	55.0	3.0	4.0	1.0	1.0	0.40	1.50	0.80	0.1800
13	38.0	44.5	52.0	51.0	55.0	3.0	4.0	0.5	1.0	0.40	1.50	0.80	0.1860
13	38.0	43.5	55.0	54.0	58.0	4.0	3.5	3.0	1.0	0.35	1.70	0.90	0.2440
15	36.5	42.5	55.0	54.0	58.0	4.5	5.0	3.5	1.3	0.35	1.70	0.90	0.2530
13	36.5	37.0	55.0	54.0	58.0	4.5	5.0	0.8	1.3	0.35	1.70	0.90	0.4090
14	38.0	43.5	56.0	53.0	58.0	3.0	3.5	3.0	1.0	0.35	1.70	0.90	0.2740
17	40.0	38.0	58.0	55.0	63.0	3.0	4.5	0.6	3.0	0.27	2.20	1.30	0.4000
16	37.5	38.5	60.0	59.0	63.0	3.0	4.0	0.8	1.3	0.38	1.57	0.86	0.3630
15	37.0	44.0	60.0	59.0	63.0	3.0	3.0	3.0	3.0	0.38	1.60	0.86	0.3540
16	37.5	44.0	60.0	59.0	63.0	3.0	4.0	3.5	1.3	0.38	1.57	0.86	0.3000
17	37.5	38.5	61.0	60.0	64.0	4.5	5.0	0.8	1.3	0.27	2.20	1.30	0.4540
17	37.5	38.5	61.0	60.0	63.0	4.5	5.0	0.8	1.5	0.27	2.20	1.30	0.4530
17	37.5	44.0	61.0	60.0	64.0	4.5	5.0	3.5	1.3	0.27	2.19	1.21	0.4510
23	44.5	45.5	62.0	61.0	73.0	5.5	6.5	0.8	3.3	0.55	1.10	0.60	0.6860
19	41.0	39.5	60.5	54.0	64.0	3.0	4.5	0.6	1.0	0.54	1.10	0.60	0.3800
19	41.0	39.5	59.0	54.0	64.0	3.0	4.5	0.6	2.0	0.54	1.10	0.60	0.3800
15	43.0	45.0	61.5	57.0	63.0	3.0	3.5	3.0	1.0	0.37	1.60	0.90	0.3440
15	38.5	39.5	60.0	59.0	63.0	3.0	4.0	0.8	1.3	0.38	1.60	0.86	0.3510
16	39.0	39.5	61.0	60.0	64.0	4.5	5.0	0.8	1.3	0.27	2.19	1.21	0.4400
16	39.0	45.0	61.0	60.0	64.0	4.5	5.0	3.5	1.3	0.27	2.19	1.21	0.4350
24	46.0	43.0	60.0	59.0	70.0	4.0	3.5	0.8	3.3	0.55	1.10	0.60	0.6040
17	40.0	46.0	66.0	64.0	70.0	4.5	5.0	3.5	3.3	0.30	1.98	1.09	0.5510
17	40.0	42.0	66.0	64.0	70.0	4.5	5.0	1.5	3.3	0.30	1.98	1.09	0.5530

Single row tapered roller bearings inch

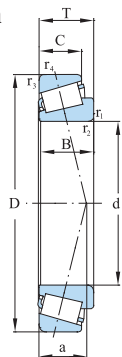


Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
HM89443/HM89410	33.338	76.200	29.370	28.574	23.020	0.8	3.3	78.0	105.0	4800	6300
HM89444/HM89410		76.200	29.370	28.574	23.020	3.8	3.3	78.0	105.0	4800	6300
LM48548/LM48510		65.088	18.034	18.288	13.970	3.6	1.3	46.2	58.7	5600	7500
LM48548A/LM48510		65.088	18.034	18.288	13.970	0.8	1.3	46.2	58.7	5600	7500
LM48548/LM48511A		65.088	21.082	18.288	17.018	3.5	1.5	46.2	58.7	5600	7500
14137A/14274		69.012	19.845	19.583	15.875	1.5	3.3	48.2	56.2	5600	7500
14137A/14276		69.012	19.845	19.583	15.875	1.5	1.3	48.2	56.2	5600	7500
14138A/14274		69.012	19.845	19.583	15.875	1.5	1.3	48.2	56.2	5600	7500
14138A/14276		69.012	19.845	19.583	15.875	1.3	1.3	48.2	56.2	5600	7500
25877/25820		73.025	23.812	24.608	19.050	1.5	2.3	71.7	84.5	5300	7000
25877/25821		73.025	23.812	24.608	19.050	1.5	0.8	71.7	84.5	5300	7000
25878/25820		73.025	23.812	24.608	19.050	1.5	2.3	71.7	84.5	5300	7000
25878/25821		73.025	23.812	24.608	19.050	3.5	0.8	71.7	84.5	5300	7000
2793/2735X		73.025	23.812	25.654	19.050	0.8	0.8	74.8	93.0	5300	7000
2786/2720		76.200	23.812	25.654	19.050	5.0	3.3	67.2	79.5	5000	6700
2793/2720		76.200	23.812	25.654	19.050	0.8	3.3	67.2	79.5	5000	6700
2793/2729		76.200	23.812	25.654	19.050	0.8	0.8	67.2	79.5	5000	6700
2796/2720		76.200	23.812	25.654	19.050	3.5	3.3	67.2	79.5	5000	6700
HM89446/HM89410		76.200	29.370	28.575	23.020	3.5	3.3	80.5	108.0	4800	6300
3379/3320		80.167	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
14139/14276	34.975	69.012	19.845	19.583	15.875	1.3	1.3	48.2	56.2	5600	7500
L68149/L68110		59.131	15.875	16.764	11.938	3.5	1.3	33.7	47.4	6000	8000
L68149/L68111		59.974	15.875	16.764	11.938	3.5	1.3	33.7	47.4	6000	8000
26883/26822	35.000	79.375	23.812	25.400	19.050	0.8	0.8	77.7	96.6	4800	6300
25880/25821		73.025	23.812	24.608	19.050	1.5	0.8	71.7	84.5	5300	7000
2780/2720		76.200	23.812	25.654	19.050	1.5	3.3	67.2	79.5	5000	6500
2794/2720		76.200	23.812	25.654	19.050	3.5	3.3	67.2	79.5	5000	6700
HM89448/HM89410		76.200	29.370	28.575	23.020	0.8	3.3	80.5	108.0	4800	6300
HM89449/HM89411		76.200	29.370	28.575	23.020	3.5	0.8	80.5	108.0	4800	6300
26877/26822		79.375	23.812	25.400	19.050	0.8	0.8	77.7	96.6	4800	6300
25570/25520		82.931	23.812	25.400	19.050	3.5	0.8	80.9	106.0	4500	6000
LM29748/LM29710	38.100	65.088	18.034	18.288	13.970		1.3	41.4	56.0	5600	7500

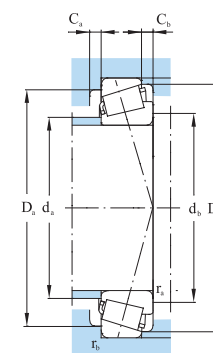


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
23	44.0	40.0	64.5	58.0	72.0	3.0	6.0	0.6	3.0	0.54	1.10	0.60	0.6680
23	44.0	40.0	64.5	58.0	73.0	3.0	6.0	3.8	3.3	0.54	1.10	0.60	0.6650
14	42.0	47.0	58.0	57.0	61.0	3.0	4.0	3.5	1.0	0.37	1.60	0.90	0.2640
14	42.0	47.0	58.0	57.0	61.0	3.0	4.0	0.8	1.0	0.37	1.60	0.90	0.2900
14	42.0	47.0	58.0	57.0	61.0	3.0	4.0	3.0	1.0	0.37	1.60	0.90	0.2800
15	43.0	42.5	58.0	57.0	63.0	3.0	3.5	1.0	3.0	0.37	1.60	0.90	0.3280
15	43.0	42.5	61.5	57.0	63.0	3.0	3.5	1.0	1.0	0.37	1.60	0.90	0.3400
15	43.0	42.5	58.0	57.0	63.0	3.0	3.5	1.0	1.0	0.37	1.60	0.90	0.3300
15	43.0	46.5	61.5	57.0	63.0	3.0	3.5	3.0	1.0	0.37	1.60	0.90	0.3300
15	44.0	42.5	63.5	62.0	67.0	5.0	4.5	1.0	2.0	0.30	2.00	1.10	0.4690
15	44.0	42.5	66.5	62.0	67.0	5.0	4.5	1.0	0.6	0.30	2.00	1.10	0.4710
15	44.0	42.5	66.5	62.0	67.0	5.0	4.5	1.0	2.0	0.30	2.00	1.10	0.4670
15	40.5	47.0	65.0	64.0	68.0	5.0	4.5	3.5	0.8	0.30	2.00	1.10	0.5060
16	45.0	59.0	66.5	64.0	69.0	5.0	4.5	0.6	0.6	0.30	2.00	1.10	0.5500
16	41.0	51.0	66.0	64.0	70.0	5.0	4.5	5.0	3.3	0.30	2.00	1.10	0.5200
16	41.0	42.0	66.0	64.0	70.0	5.0	4.5	0.8	3.3	0.30	2.00	1.10	0.5360
16	41.0	42.0	68.0	66.0	70.0	5.0	4.5	0.8	0.8	0.30	2.00	1.10	0.5330
16	41.0	47.0	66.0	64.0	70.0	5.0	4.5	3.5	3.3	0.30	2.00	1.10	0.5330
23	44.0	47.0	64.5	58.0	72.0	3.0	6.0	3.0	3.0	0.54	1.10	0.60	0.6350
18	41.5	48.0	70.0	69.0	75.0	4.5	5.5	3.5	3.3	0.27	2.20	1.21	0.7430
16	40.0	41.5	60.0	59.0	63.0	3.5	4.0	1.3	1.3	0.38	1.57	0.86	0.3330
13	41.0	47.5	53.0	52.0	56.0	3.0	3.5	3.5	1.0	0.43	1.40	0.80	0.1700
13	41.0	47.5	53.5	52.0	56.0	3.0	3.5	3.5	1.0	0.43	1.40	0.80	0.1780
17	42.0	42.5	71.0	70.0	74.0	4.0	5.0	0.8	0.8	0.32	1.90	1.00	0.6040
15	44.0	44.5	66.5	62.0	67.0	5.0	4.5	1.0	0.6	0.30	2.00	1.10	0.4570
17	42.5	44.5	66.0	65.0	70.0	4.5	5.0	1.5	3.3	0.30	1.98	1.09	0.5180
16	46.0	50.0	64.5	64.0	69.0	5.0	4.5	3.0	3.0	0.30	2.00	1.10	0.5160
23	44.0	43.0	64.5	58.0	72.0	3.0	6.0	0.6	3.0	0.54	1.10	0.60	0.6400
23	44.0	43.0	65.0	60.0	73.0	3.0	6.0	3.5	0.8	0.54	1.10	0.60	0.6000
17	43.0	44.0	71.0	70.0	74.0	4.0	5.0	0.8	0.8	0.32	1.90	1.00	0.5500
17	45.0	51.0	74.0	72.0	77.0	4.0	5.0	3.5	0.8	0.33	1.80	1.00	0.6500
13	42.5	49.0	59.0	58.0	62.0	3.0	4.0		1.0	0.33	1.80	1.00	0.2420

Single row tapered roller bearings inch

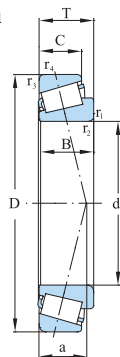


Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
LM29749/LM29710	38.100	65.088	18.034	18.288	13.970	2.3	1.3	41.4	56.0	5600	7500
F-57410S/LM29710		65.088	18.034	21.140	13.970	3.5	1.3	41.4	56.0	5600	7500
LM29749/LM29711		65.088	19.812	18.288	15.748	2.3	1.3	41.4	56.0	5600	7500
2776/2720		76.200	23.812	25.654	19.050	4.3	3.3	67.2	79.5	5000	6700
2777/2720		76.200	23.812	25.654	19.050	5.5	3.3	67.2	79.5	5000	6700
2788/2720		76.200	23.812	25.654	19.050	3.5	3.3	67.2	79.5	5000	6700
2788/2729		76.200	23.812	25.654	19.050	3.5	0.8	67.2	79.5	5000	6700
2788A/2720		76.200	23.812	25.654	19.050	1.5	3.3	67.2	79.5	5000	6700
26878/26822		79.375	23.812	25.400	19.050	0.8	0.8	76.5	97.5	4800	6400
3381/3320		80.167	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
25572/25520		82.931	23.812	25.400	19.050	0.8	0.8	80.9	106.0	4500	6000
418/414		88.500	26.988	29.083	22.225	3.5	1.5	99.6	111.0	4800	6300
M201047/M201011		73.025	25.654	22.098	21.336	0.8	2.3	60.0	80.6	5000	6700
2789/2720		76.200	23.812	26.654	19.050	3.5	3.3	67.2	79.5	5000	6700
26881/26823		76.200	25.400	25.400	20.638	3.5	1.5	77.7	96.6	4800	6400
3382/3321		77.534	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
26880/26822	39.688	79.375	23.812	25.400	19.050	1.5	0.8	77.7	96.6	4800	6300
26881/26822		79.375	23.812	25.400	19.050	3.5	0.8	77.7	96.6	4800	6400
3382/3320		80.167	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
3382/3331		80.167	29.370	30.391	23.812	3.5	0.8	94.3	118.0	4800	6400
3382/3339		80.167	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
3386/3320		80.167	29.370	30.391	23.812	0.8	3.3	94.3	118.0	4800	6400
3382/3328		84.138	29.370	30.391	23.812	3.5	3.3	94.3	118.0	4800	6400
350A/354A		85.000	20.638	21.692	17.462	0.8	1.3	69.5	79.5	4400	5800
420/414	40.000	88.500	26.988	29.083	22.225	3.5	1.5	99.6	111.0	4800	6300
LM300849/LM300811	40.988	67.975	17.500	18.000	13.500	3.6	1.5	44.0	58.5	5300	7000
LM501349/LM501310	41.275	73.431	19.558	19.812	14.732	3.5	0.8	53.3	70.3	4800	6300
LM501349/LM501314		73.431	21.430	19.812	16.604	3.5	0.8	53.3	70.3	4800	6300
LM501349/LM501311		73.431	23.012	19.812	18.186	3.5	2.3	53.3	70.3	4800	6300
11162/11300		76.200	18.009	17.384	14.288	1.5	1.5	44.6	52.4	5000	6700
24780/24720	41.275	76.200	22.225	23.020	17.462	3.5	0.8	65.9	80.8	5000	6700
24780/24721		76.200	25.400	23.020	20.638	3.5	2.3	65.9	80.8	4800	6700

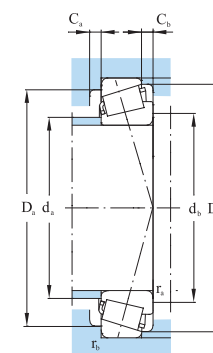


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
13	44.0	47.5	58.0	58.0	61.0	3.0	4.0	2.0	1.0	0.33	1.80	1.00	0.2400
13	44.0	47.5	59.0	57.0	61.0	3.0	4.0	3.0	1.0	0.33	1.80	1.00	0.2500
15	44.0	47.5	58.0	57.0	61.0	2.0	4.0	2.0	1.0	0.33	1.80	1.00	0.2570
13	43.5	52.0	66.0	65.0	70.0	4.0	5.0	4.3	3.3	0.30	1.98	1.09	0.4950
13	43.5	54.0	66.0	65.0	70.0	4.0	5.0	5.5	3.3	0.30	1.98	1.09	0.4970
13	46.0	50.0	65.0	64.0	69.0	5.0	5.0	3.0	3.0	0.30	1.98	1.09	0.4920
16	46.0	50.0	65.0	64.0	69.0	5.0	4.5	3.0	0.8	0.30	2.00	1.10	0.4940
13	43.5	46.0	66.0	64.0	70.0	5.0	5.0	1.5	3.3	0.30	1.98	1.09	0.4990
17	44.5	45.0	71.0	70.0	74.0	5.0	5.0	0.8	0.8	0.32	1.88	1.04	0.5740
18	44.5	51.0	70.0	69.0	75.0	5.0	6.0	3.5	3.3	0.27	2.20	1.21	0.6650
18	46.0	46.0	74.0	72.0	77.0	4.5	5.0	0.8	0.8	0.33	1.79	0.99	0.6450
17	49.0	50.0	80.5	73.0	78.0	5.0	4.5	3.0	1.0	0.26	2.30	1.30	0.8410
20	47.0	46.0	63.5	62.0	69.0	4.0	4.5	0.6	2.0	0.33	1.80	1.00	0.4390
16	46.0	51.5	64.5	64.0	69.0	5.0	4.5	3.0	3.0	0.30	2.00	1.10	0.4720
20	45.5	52.0	68.0	69.0	71.0	3.0	3.5	3.0	0.8	0.32	1.88	1.04	0.5060
19	45.5	52.0	68.0	66.0	75.0	5.0	6.0	3.5	3.3	0.27	2.20	1.21	0.6690
17	45.5	48.0	71.0	70.0	74.0	4.5	5.0	1.5	0.8	0.32	1.88	1.04	0.5540
14	45.5	52.0	71.0	70.0	74.0	4.5	5.0	3.5	0.8	0.32	1.88	1.04	0.5520
18	45.5	52.0	71.0	70.0	75.0	5.0	5.5	3.5	3.3	0.27	2.20	1.21	0.6650
18	45.5	52.0	71.0	70.0	75.0	5.0	5.5	3.5	0.8	0.27	2.20	1.21	0.6700
18	45.5	52.0	71.0	70.0	75.0	5.0	5.5	3.5	1.5	0.27	2.20	1.21	0.6660
18	45.5	46.5	71.0	70.0	75.0	5.0	5.5	0.8	3.3	0.27	2.20	1.21	0.6680
18	45.5	52.0	72.0	70.0	76.0	5.0	5.5	3.5	3.3	0.27	2.20	1.21	0.7800
16	46.5	47.5	77.0	75.0	80.0	3.0	3.5	0.8	1.3	0.31	1.96	1.08	0.5620
18	46.0	52.0	77.0	76.0	80.0	4.5	5.0	3.5	1.5	0.26	2.30	1.30	0.8130
14	48.0	53.0	60.0	61.0	64.0	3.0	4.0	3.5	1.0	0.35	1.70	0.90	0.2400
16	48.0	53.5	67.0	64.0	69.0	4.0	4.5	3.0	0.6	0.40	1.50	0.80	0.3420
18	48.0	53.5	67.0	63.0	69.0	3.0	4.5	3.0	0.6	0.40	1.50	0.80	0.3620
16	48.0	53.5	65.0	64.0	69.0	4.0	4.5	3.0	2.0	0.40	1.50	0.80	0.3760
17	50.0	49.0	68.0	65.0	71.0	3.0	3.5	1.0	1.0	0.48	1.25	0.70	0.3440
17	48.0	48.0	65.0	64.0	71.0	4.0	4.5	3.0	0.6	0.40	1.50	0.80	0.4360
20	47.0	54.0	66.0	65.0	72.0	4.0	4.0	3.0	2.0	0.39	1.50	0.84	0.1890

Single row tapered roller bearings inch

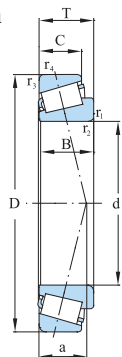


Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1.2} min	r _{3.4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
26882/26823	41.275	76.200	25.400	20.638	3.5	1.5		77.7	96.6	4800	6300
26882/26822		79.375	23.812	25.400	19.050	3.5	0.8	77.7	96.6	4800	6300
26882/26822A		79.375	23.812	25.400	19.050	3.5	2.3	77.7	96.6	4800	6300
26885/26822		79.375	23.812	25.400	19.050	0.8	0.8	77.7	96.6	4800	6300
11162/11315		80.000	18.009	17.384	14.288	1.5	1.5	44.6	52.4	4900	6500
26882/26824		80.000	23.812	25.400	19.050	3.5	1.3	77.7	96.6	4800	6300
26882/26820		80.167	25.400	25.400	20.638	3.5	3.3	77.7	96.6	4800	6300
419/414		88.500	26.988	29.083	22.225	3.5	1.5	99.6	111.0	4800	6300
25578/25520	42.862	82.931	23.812	25.400	19.050	2.3	0.8	76.8	97.2	4500	6000
26884/26823	42.875	76.200	25.400	25.400	20.638	3.5	1.5	77.7	96.6	4800	6400
26884/26822		79.375	23.812	25.400	19.050	3.5	0.8	77.7	96.6	4800	6300
26886/26822		79.375	23.812	25.400	19.050	1.5	0.8	77.7	96.6	4800	6300
26884/26824		80.000	25.400	23.812	19.050	3.5	1.5	77.7	96.6	4800	6400
26884/26820		80.167	25.400	25.400	20.638	3.5	3.3	77.7	96.6	4800	6400
25577/25520		82.931	23.812	25.400	19.050	3.5	0.8	76.8	97.2	4500	6000
25580/25520		82.931	23.812	25.400	19.050	3.5	0.8	76.8	97.2	4500	6000
25581/25520		82.931	23.812	25.400	19.050	0.5	0.8	76.8	97.2	4500	6000
25582/25520	44.450	82.931	23.812	25.400	19.050	5.0	0.8	76.8	97.2	4500	6000
355/354A		85.000	20.638	21.692	17.462	2.3	1.3	69.5	79.5	4400	5800
355A/354A		85.000	20.638	21.692	17.462	0.8	1.3	69.5	79.5	4400	5800
3782/3720		93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
460/453X	44.983	104.775	30.162	29.317	24.605	3.5	3.3	104.0	125.0	3500	4700
25584/25520		82.931	23.812	25.400	19.050	1.5	0.8	76.8	97.2	4500	6000
3776/3720		93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
358/354A		85.000	20.638	21.692	17.462	1.5	1.3	69.5	79.5	4000	5800
LM102949/LM102910	45.242	73.431	9.558	19.812	15.748	3.5	0.8	55.0	76.3	4800	6400
LM603049/LM603011		77.788	19.842	19.842	15.080	3.5	0.8	57.1	70.7	4800	6300
LM603049/LM603012		77.788	21.430	19.842	16.667	3.5	0.8	57.1	70.7	4800	6300
LM603049/LM603014		79.974	19.842	19.842	15.080	3.5	0.8	57.1	70.7	4800	6300
LM102949/LM102911	45.616	82.550	21.590	19.812	16.510	3.5	1.3	55.0	76.3	4800	6400
25590/25519		82.550	23.812	25.400	19.050	3.5	2.0	76.8	97.2	4500	6000
25590/25520		82.931	23.812	25.400	19.050	3.5	0.8	76.8	97.2	4500	6000

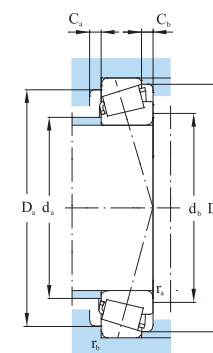


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
18	47.0	54.0	69.0	68.0	73.0	4.0	5.0	3.5	1.5	0.32	1.90	1.00	0.4880
16	47.0	54.0	71.0	70.0	74.0	4.0	5.0	3.5	0.8	0.32	1.90	1.00	0.5300
16	47.0	54.0	69.0	68.0	74.0	4.0	5.0	3.5	2.3	0.32	1.90	1.00	0.5280
16	47.0	48.0	71.0	70.0	74.0	4.0	5.0	0.8	0.8	0.32	1.90	1.00	0.5350
17	46.5	49.0	69.0	68.0	73.0	3.5	4.0	1.5	1.5	0.49	1.23	0.68	0.3890
18	47.0	54.0	70.0	69.0	74.0	4.0	5.0	3.5	1.3	0.32	1.90	1.00	0.5420
18	47.0	54.0	69.0	68.0	74.0	4.0	5.0	3.5	3.3	0.32	1.90	1.00	0.5590
17	49.0	53.0	80.5	73.0	78.0	5.0	4.5	3.0	1.0	0.26	2.30	1.30	0.8100
18	49.5	53.0	74.0	72.0	77.0	4.0	5.0	2.3	0.8	0.33	1.80	0.99	0.5860
17	48.5	55.0	70.0	71.0	76.0	4.0	4.0	3.0	1.0	0.32	1.88	1.04	0.4650
17	48.5	55.0	71.0	70.0	74.0	4.0	5.0	3.5	0.8	0.32	1.88	1.04	0.5100
17	48.5	51.0	71.0	70.0	74.0	4.0	5.0	1.5	0.8	0.32	1.88	1.04	0.5130
17	48.5	55.0	70.0	71.0	76.0	4.0	4.0	3.0	1.0	0.32	1.88	1.04	0.5210
17	48.5	55.0	70.0	71.0	76.0	4.0	4.0	3.0	3.0	0.32	1.88	1.04	0.5380
17	53.0	56.5	76.0	71.0	76.0	5.0	4.5	3.0	0.6	0.33	1.80	1.00	0.5840
17	53.0	56.5	76.0	71.0	76.0	5.0	4.5	3.0	0.6	0.33	1.80	1.00	0.5610
17	50.0	51.0	74.0	72.0	77.0	4.5	5.0	0.5	0.8	0.33	1.80	1.00	0.6100
17	50.0	60.0	74.0	72.0	77.0	4.5	5.0	5.0	0.8	0.33	1.80	1.00	0.5560
16	50.0	54.0	77.0	75.0	80.0	3.5	4.0	2.3	1.3	0.31	1.96	1.08	0.5110
16	50.0	51.0	77.0	75.0	80.0	3.5	4.0	0.8	1.3	0.31	1.96	1.08	0.5120
22	60.0	57.0	81.5	80.0	87.0	4.0	6.0	3.0	3.0	0.33	1.80	1.00	0.9810
20	54.0	60.0	92.0	91.0	98.0	4.0	4.5	3.0	3.0	0.34	1.79	0.98	1.2900
18	51.0	53.0	74.0	73.0	77.0	4.5	5.0	1.5	0.8	0.33	1.79	0.99	0.5550
22	60.0	57.0	81.5	80.0	88.0	4.0	6.0	3.0	3.0	0.33	1.80	1.00	0.9520
15	50.0	53.0	77.0	76.0	80.0	3.0	3.0	1.5	1.3	0.31	1.96	1.08	0.5230
15	50.0	56.0	68.0	67.0	70.0	3.0	4.0	3.5	0.8	0.31	1.97	1.08	0.3210
17	52.0	57.5	71.0	68.0	74.0	4.0	4.5	3.0	0.6	0.43	1.40	0.80	0.3690
19	50.0	57.0	70.0	68.0	74.0	4.0	5.0	3.5	0.8	0.43	1.40	0.80	0.3910
17	50.0	57.0	71.0	68.0	75.0	4.0	5.0	3.5	0.8	0.43	1.40	0.80	0.4050
15	50.0	56.0	68.0	67.0	70.0	4.0	4.0	3.0	1.0	0.31	1.97	1.08	0.3500
18	51.0	58.0	73.0	72.0	77.0	4.0	4.8	3.5	2.0	0.33	1.80	1.00	0.5340
17	53.0	57.5	76.0	71.0	76.0	5.0	4.5	3.0	0.6	0.33	1.80	1.00	0.5430

Single row tapered roller bearings inch

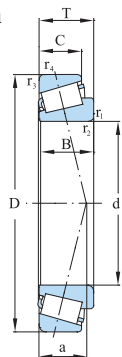


Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
25590/25523	45.618	82.931	26.988	25.400	22.225	3.5	2.3	76.8	97.2	4500	6000
25590/25521		83.058	23.812	25.400	19.050	3.5	3.3	76.8	97.2	4500	6000
25590/25522		83.058	23.876	25.400	19.114	3.5	2.0	76.8	97.2	4500	6000
25590/25526		85.000	23.812	25.400	19.050	3.5	2.3	76.8	97.2	4500	6000
25592/25520	46.038	82.931	23.812	25.400	19.050	3.5	0.8	76.8	97.2	4500	6000
359A/354A		85.000	20.638	21.692	17.462	3.5	1.3	69.5	79.5	4500	6000
359S/354A		85.000	20.638	21.692	17.462	2.3	1.3	69.5	79.5	4500	6000
359S/352		90.119	23.000	21.692	21.808	2.3	2.3	69.5	79.5	4500	6000
3777/3720	47.625	93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
3778/3720		93.264	30.162	30.302	23.812	6.4	3.3	104.0	136.0	4000	5300
3779/3720		93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
386A/382A		96.838	21.000	21.946	15.875	0.8	0.8	78.7	94.6	3800	5500
463/453X	49.212	104.775	30.162	29.317	24.605	4.8	3.3	104.0	125.0	3500	4700
467/453X		104.775	30.162	29.317	24.605	0.8	3.3	104.0	125.0	3500	4700
3781/3720	49.212	93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
LM104947/LM104911	49.987	82.550	21.590	22.225	16.510	0.5	1.3	67.0	95.0	4300	5700
JLM104948/JLM104910	50.000	82.000	21.500	21.000	17.000	3.0	0.5	67.0	95.0	4300	5700
LM104947/JLM104910		82.000	21.590	22.225	17.000	0.5	0.5	67.0	95.0	4300	5700
LM104949/LM104911		82.550	21.590	22.225	16.510	3.5	1.3	67.0	95.0	4300	5700
LM104949/LM104912		82.931	21.590	22.225	16.510	3.5	1.3	67.0	95.0	4300	5700
3775/3720	50.800	93.264	30.162	30.302	23.812	0.8	3.3	104.0	136.0	4000	5300
3780/3720		93.264	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
3780/3730		93.264	30.162	30.302	23.812	3.5	0.8	104.0	136.0	4000	5300
3784/3720		93.264	30.162	30.302	23.812	6.4	3.3	104.0	136.0	4000	5300
3780/3726	52.388	95.250	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
3780/3732		98.425	30.162	30.302	23.812	3.5	3.3	104.0	136.0	4000	5300
455/453X		104.775	30.162	29.317	24.605	0.8	3.3	104.0	125.0	3500	4700
455S/453X		104.775	30.162	29.317	24.605	3.5	3.3	104.0	125.0	3500	4700
3975/3920	53.975	112.712	30.162	30.048	23.812	3.5	3.3	104.0	136.0	4000	5300
3767/3720		93.264	30.162	30.302	23.812	2.3	3.3	104.0	136.0	4000	5300
468/453X		104.775	30.162	29.317	24.605	1.5	3.3	104.0	125.0	3500	4700
389A/382A		96.838	21.000	21.946	15.875	0.8	0.8	78.7	94.6	3700	5000

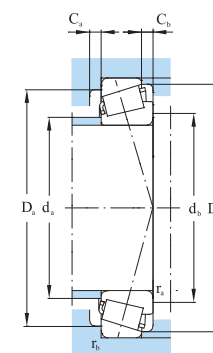


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
20	53.0	57.5	73.0	70.0	76.0	3.0	4.5	3.0	2.0	0.33	1.80	1.00	0.5880
17	51.0	58.0	72.0	70.0	77.0	5.0	4.5	3.5	3.3	0.33	1.80	1.00	0.5410
17	53.0	57.5	74.0	71.0	76.0	5.0	4.5	3.0	1.5	0.33	1.80	1.00	0.5450
17	51.0	58.0	74.0	71.0	78.0	4.0	4.0	3.5	2.3	0.33	1.80	1.00	0.5810
18	52.0	58.0	73.0	72.0	77.0	4.0	4.8	3.0	0.6	0.33	1.80	1.00	0.5380
16	51.0	57.0	77.0	76.0	80.0	3.0	3.0	3.5	1.3	0.31	1.96	1.08	0.5100
16	51.0	55.0	77.0	76.0	80.0	3.0	3.0	2.3	1.3	0.31	1.96	1.08	0.5090
16	51.0	55.0	78.0	76.0	82.0	3.0	3.0	2.3	2.3	0.31	1.96	1.08	0.6510
22	53.0	60.0	82.0	80.0	88.0	5.0	6.0	3.5	3.3	0.34	1.77	0.97	0.9340
22	55.0	67.0	82.0	80.0	88.0	5.0	6.0	6.4	3.3	0.34	1.77	0.97	0.8980
22	55.0	61.0	82.0	80.0	88.0	5.0	6.0	3.5	3.3	0.34	1.77	0.97	0.9060
18	65.0	54.5	89.5	87.0	91.0	5.0	5.0	0.6	0.6	0.35	1.70	0.90	0.7200
23	56.0	65.0	92.0	90.0	98.0	5.0	5.5	4.8	3.3	0.34	1.79	0.98	1.2400
23	56.0	57.0	92.0	90.0	98.0	5.0	5.5	0.8	3.3	0.34	1.79	0.98	1.2400
22	56.0	62.0	82.0	80.0	88.0	6.0	6.5	3.5	3.3	0.34	1.77	0.97	0.8770
16	55.0	55.0	75.0	74.0	78.0	4.0	5.0	0.5	1.3	0.31	1.97	1.08	0.4340
16	55.0	60.0	76.0	75.0	78.0	4.0	4.5	3.0	0.5	0.31	1.97	1.08	0.4340
16	55.0	60.0	76.0	75.0	78.0	4.0	4.5	0.5	0.5	0.31	1.97	1.08	0.4340
16	55.0	62.0	75.0	74.0	78.0	4.5	5.0	3.5	1.3	0.31	1.97	1.08	0.4290
16	55.0	62.0	75.0	74.0	78.0	4.5	5.0	3.5	1.3	0.31	1.97	1.08	0.4250
22	58.0	58.0	82.0	80.0	88.0	4.0	6.0	0.8	3.3	0.33	1.80	1.00	0.8520
22	60.0	63.0	81.5	80.0	87.0	4.0	6.0	3.0	3.0	0.33	1.80	1.00	0.8680
22	58.0	64.0	84.0	82.0	88.0	4.0	6.0	3.5	0.8	0.33	1.80	1.00	0.8760
22	58.0	70.0	82.0	80.0	88.0	5.0	6.5	6.4	3.3	0.34	1.77	0.97	0.8390
22	58.0	64.0	83.0	82.0	89.0	5.0	6.5	3.5	3.3	0.34	1.77	0.97	0.9030
22	58.0	64.0	84.0	82.0	90.0	5.0	6.5	3.5	3.3	0.34	1.77	0.97	0.9930
23	59.0	60.0	92.0	90.0	98.0	5.0	5.5	0.8	3.3	0.34	1.79	0.98	1.1900
23	59.0	65.0	92.0	90.0	98.0	5.0	5.5	3.5	3.3	0.34	1.79	0.98	1.1800
22	61.0	68.0	99.0	97.0	106.0	5.0	6.0	3.5	3.3	0.34	1.77	0.97	0.8300
22	59.0	63.0	82.0	80.0	88.0	5.0	6.0	2.3	3.3	0.34	1.77	0.97	0.8190
20	60.0	62.0	92.0	90.0	98.0	5.0	5.5	1.5	3.3	0.34	1.79	0.98	1.1500
13	60.0	61.0	89.0	88.0	92.0	5.0	5.5	0.8	0.8	0.33	1.80	0.99	1.1700

Single row tapered roller bearings inch

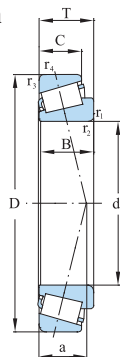


Designations	Boundary dimensions							Basic load rating		Limiting speed		
cone assembly/cup	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil	
	mm							kN		r/min		
456/453X	53.975	104.775	30.162	29.317	24.605	3.5	3.3	104.0	125.0	3500	4700	
456/453X	53.976	104.775	30.162	29.317	24.605	3.5	3.3	104.0	125.0	3500	4700	
466/453X	54.988	104.775	30.162	29.317	24.605	2.3	3.3	104.0	125.0	3500	4700	
385/382A	55.000	96.838	21.000	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	
385X/382A		96.838	21.000	21.946	15.875	3.5	0.8	78.7	94.6	3800	5000	
389/382A	55.575	96.838	21.000	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	
387/382A		96.838	21.000	21.946	15.875	2.3	0.8	78.7	94.6	3800	5000	
387A/382A		96.838	21.000	21.946	15.875	3.5	0.8	78.7	94.6	3800	5000	
387AS/382A		96.838	21.000	21.946	15.875	5.0	0.8	78.7	94.6	3800	5000	
387S/382A		96.838	21.000	21.946	15.875	0.8	0.8	78.7	94.6	3800	5000	
387A/382S		96.838	25.400	21.946	20.274	3.5	2.3	78.7	94.6	3800	5000	
387/382		98.425	21.000	21.946	17.826	2.3	0.8	78.7	94.6	3800	5000	
387A/382		98.425	21.000	21.946	17.826	3.5	0.8	78.7	94.6	3800	5000	
387A/383A		100.000	21.000	21.946	17.826	3.5	2.0	78.7	94.6	3800	5000	
462/453X		104.775	30.162	29.317	24.605	2.3	3.3	104.0	125.0	3500	4700	
469/453X	60.000	104.775	30.162	29.317	24.605	2.3	3.3	104.0	125.0	3500	4700	
469/453A		107.950	27.783	29.317	22.225	3.5	0.8	104.0	125.0	3500	4700	
469/454		110.000	27.795	29.317	27.000	3.5	2.0	104.0	125.0	3500	4700	
3979/3920		112.712	30.162	30.048	23.812	3.5	3.3	118.0	150.0	3200	4300	
388A/382A		57.531	96.838	21.000	21.946	15.875	3.5	0.8	78.7	94.6	3800	5000
3977/3920		60.000	112.712	30.162	30.048	23.812	3.5	3.3	118.0	150.0	3200	4300
3980/3920		60.325	112.712	30.162	30.048	23.812	3.5	3.3	118.0	150.0	3200	4300
HM212044/HM212011			122.238	38.100	38.354	29.718	8.0	1.5	180.0	246.0	3100	4100
3982/3920		63.500	112.712	30.162	30.048	23.812	3.5	3.3	118.0	150.0	3200	4300
HM212046/HM212011			122.238	38.100	38.354	29.718	3.5	3.3	180.0	246.0	3000	4000
HM212047/HM212010			122.238	38.100	38.354	29.718	7.0	1.5	180.0	246.0	3000	4000
HM212047/HM212011			122.238	38.100	38.354	29.718	7.0	3.3	180.0	246.0	3000	4000
3984/3921XA		66.675	109.985	29.750	30.048	23.812	3.5	0.5	118.0	150.0	3200	4300
3984/3920			112.712	30.162	30.048	23.812	3.5	3.3	118.0	150.0	3200	4300
3984/3925			112.712	30.162	30.048	23.812	3.5	0.8	118.0	150.0	3200	4300
3994/3920			112.712	30.162	30.048	23.812	5.5	3.3	118.0	150.0	3200	4300
3984/3926			112.712	33.338	30.048	26.988	3.5	3.3	118.0	150.0	3200	4300

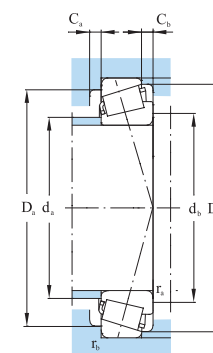


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
20	61.0	68.0	92.0	90.0	98.0	5.0	5.5	3.5	3.3	0.34	1.77	0.97	1.1000
20	61.0	68.0	92.0	90.0	98.0	5.0	5.5	3.5	3.3	0.34	1.77	0.97	1.1000
20	62.0	66.0	92.0	90.0	98.0	5.0	5.5	2.3	3.3	0.34	1.79	0.98	1.0500
17	61.0	65.0	89.0	88.0	92.0	5.0	5.0	2.3	0.8	0.35	1.70	0.90	0.7500
17	61.0	67.0	89.0	88.0	92.0	5.0	5.0	3.5	0.8	0.35	1.70	0.90	0.7000
17	61.0	65.0	89.0	88.0	92.0	5.0	5.0	2.3	0.8	0.35	1.70	0.90	0.7100
17	65.0	67.5	89.5	87.0	91.0	5.0	5.0	2.0	0.6	0.35	1.70	0.90	0.5900
17	65.0	69.5	89.5	87.0	91.0	5.0	5.0	3.0	0.6	0.35	1.70	0.90	0.6050
17	65.0	72.5	89.5	87.0	91.0	5.0	5.0	4.0	0.6	0.35	1.70	0.90	0.5800
17	62.0	63.0	89.0	88.0	92.0	5.0	5.0	0.8	0.8	0.35	1.70	0.90	0.6000
21	65.0	69.5	89.5	87.0	91.0	5.0	5.0	3.0	2.0	0.35	1.70	0.90	0.5900
17	65.0	67.5	91.5	87.0	92.0	5.0	3.0	2.0	0.6	0.35	1.70	0.90	0.6550
17	65.0	69.5	91.5	87.0	92.0	5.0	3.0	3.0	0.6	0.35	1.70	0.90	0.6400
17	65.0	69.5	91.5	87.0	92.0	5.0	3.0	3.0	1.5	0.35	1.70	0.90	0.6400
24	68.0	67.5	92.5	91.0	98.0	4.0	5.5	2.0	3.0	0.33	1.80	1.00	1.0400
24	63.0	67.0	92.0	91.0	98.0	4.0	5.5	2.3	3.3	0.33	1.80	1.00	1.0600
24	63.0	70.0	97.0	96.0	100.0	4.0	5.5	3.5	0.8	0.33	1.80	1.00	1.1100
24	63.0	70.0	96.0	95.0	100.0	4.0	5.5	3.5	2.0	0.33	1.80	1.00	1.2400
25	66.0	72.0	99.0	97.0	106.0	5.0	6.5	3.5	3.3	0.40	1.50	0.80	1.4100
18	63.0	69.0	89.5	87.0	91.0	5.0	5.0	3.5	0.8	0.35	1.70	0.90	0.5750
25	68.0	74.0	99.0	97.0	106.0	5.0	6.5	3.5	3.3	0.40	1.50	0.80	1.3000
25	68.0	75.0	99.0	97.0	106.0	5.0	6.5	3.5	3.3	0.40	1.50	0.80	1.3300
27	70.0	85.0	108.0	106.0	116.0	8.0	8.5	8.0	3.3	0.40	1.50	0.80	2.0200
25	75.0	76.5	100.0	96.0	105.0	4.0	6.0	3.0	3.0	0.40	1.50	0.80	1.1700
27	73.0	80.0	108.0	105.0	116.0	6.0	8.0	3.5	3.3	0.34	1.80	0.98	1.9500
27	73.0	87.0	110.0	98.0	116.0	5.0	5.5	7.0	1.0	0.34	1.80	0.98	2.0200
27	73.0	87.0	108.0	105.0	116.0	6.0	8.0	7.0	3.3	0.34	1.80	0.98	2.0100
25	74.0	80.0	100.0	99.0	105.0	5.5	5.0	3.0	0.5	0.40	1.49	0.82	1.0800
25	75.0	79.5	100.0	96.0	105.0	6.0	4.0	3.0	3.0	0.40	1.50	0.80	1.1000
25	75.0	79.5	100.0	96.0	105.0	6.0	4.0	3.0	0.6	0.40	1.50	0.80	1.1900
25	74.0	84.0	99.0	96.0	106.0	6.0	4.0	5.5	3.3	0.40	1.50	0.80	1.1800
25	74.0	80.0	98.0	97.0	106.0	5.5	5.0	3.0	3.0	0.40	1.49	0.82	1.2500

Single row tapered roller bearings inch

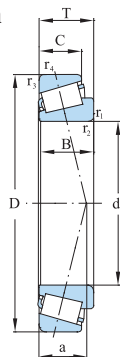


Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
cone assembly/cup	mm							kN		r/min	
F-786510	66.675	122.238	38.100	38.354	29.718	3.5	3.3	180.0	246.0	3000	4000
HM212049/HM212011		122.238	38.100	38.354	29.718	3.5	3.3	180.0	246.0	3000	4000
HM212049X/HM212011		122.238	38.100	38.354	29.718	7.0	3.3	180.0	246.0	3000	4000
655/653	69.850	146.050	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
576/572	73.025	139.992	36.512	36.098	28.575	3.5	3.3	210.0	297.0	2200	3200
657/653		146.050	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
577/572	74.612	139.992	36.512	36.098	28.575	3.5	3.3	182.0	268.0	2400	3400
575/572	76.200	139.992	36.512	36.098	28.575	3.5	3.3	182.0	268.0	2400	3400
575S/572		139.992	36.512	36.098	28.575	6.8	3.3	182.0	268.0	2400	3400
659/653		146.050	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
590A/592A	76.200	152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2200	3200
661/653	79.375	146.050	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
HM218238/HM218210	79.974	146.975	40.000	40.000	32.500	7.0	3.5	227.0	340.0	2400	3200
581/572	80.962	139.992	36.512	36.098	28.575	3.5	3.3	182.0	268.0	2400	3400
580/572	82.550	139.992	36.512	36.098	28.575	3.5	3.3	182.0	268.0	2400	3400
582/572		139.992	36.512	36.098	28.575	6.8	3.3	182.0	268.0	2400	3400
663/653		146.050	41.275	46.672	36.512	3.5	3.3	210.0	297.0	2200	3200
595/592A		152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2000	3000
663/652		152.400	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
663/652		152.400	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
599X/593X	85.000	150.000	35.992	36.322	27.000	3.0	3.0	189.0	294.0	2000	3000
665/653	85.725	146.050	41.275	41.275	31.750	3.5	3.3	210.0	297.0	2200	3200
665A/653		146.050	41.275	41.275	31.750	6.4	3.3	210.0	297.0	2200	3200
596/592A		152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2000	3000
593/592A	88.900	152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2000	3000
593A/592A		152.400	39.688	36.322	30.162	6.4	3.3	189.0	294.0	2000	3000
HM518445/HM518410		152.400	39.688	39.688	30.162	6.4	3.3	240.0	340.0	2000	3000
F-786117	89.974	146.975	40.000	40.000	32.500	7.0	3.5	219.0	345.0	2200	3200
HM218248/HM218210		146.975	40.000	40.000	32.500	7.0	3.5	219.0	345.0	2200	3200
598/592A	92.075	152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2000	3000
598A/592A		152.400	39.688	36.322	30.162	6.4	3.3	189.0	294.0	2000	3000
778/772		180.975	47.625	48.006	38.100	3.5	3.3	259.0	368.0	1800	2600

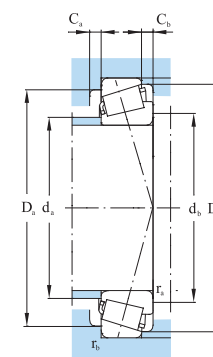


Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
27	74.0	81.0	108.0	106.0	116.0	6.0	5.0	3.0	3.0	0.34	1.80	0.98	1.9300
27	75.0	82.0	108.0	106.0	116.0	8.0	6.0	3.5	3.3	0.34	1.80	0.98	1.9300
27	75.0	89.0	108.0	106.0	116.0	8.0	6.0	7.0	3.3	0.34	1.80	0.98	1.9000
32	82.0	88.0	131.0	129.0	139.0	9.5	8.0	3.5	3.3	0.33	1.80	1.00	3.2800
31	83.0	81.5	127.0	120.0	131.0	7.5	5.0	3.5	3.3	0.40	1.50	0.80	2.5300
32	85.0	91.0	131.0	129.0	139.0	9.5	8.0	3.5	3.3	0.33	1.80	1.00	3.1300
31	85.0	91.0	125.0	124.0	133.0	8.0	7.0	3.5	3.3	0.40	1.50	0.80	2.4800
31	94.0	89.5	127.0	120.0	131.0	7.5	5.0	3.0	3.0	0.40	1.50	0.80	2.4300
31	86.0	99.0	125.0	123.0	133.0	8.0	6.5	6.8	3.3	0.40	1.50	0.80	2.4100
33	90.0	89.5	129.0	118.0	131.0	11.0	5.0	3.0	3.0	0.40	1.50	0.80	3.0400
37	89.0	95.0	135.0	132.0	144.0	9.5	8.0	3.5	3.3	0.40	1.50	0.80	3.2600
33	90.0	96.0	131.0	129.0	139.0	9.5	8.0	3.5	3.3	0.41	1.47	0.81	2.9100
32	91.0	104.0	133.0	130.0	141.0	7.5	6.0	7.0	3.5	0.33	1.80	0.99	3.1000
31	90.0	96.0	125.0	124.0	133.0	7.5	5.0	3.3	3.3	0.40	1.50	0.80	2.2700
31	94.0	96.0	127.0	120.0	131.0	7.5	5.0	3.0	3.0	0.40	1.50	0.80	2.2200
31	94.0	102.0	127.0	120.0	131.0	7.5	5.0	6.0	3.0	0.40	1.50	0.80	2.1900
32	95.0	96.0	137.0	130.0	142.0	7.5	8.0	3.0	3.0	0.33	1.80	1.00	2.7900
37	93.0	100.0	135.0	130.0	144.0	8.0	10.0	3.5	3.3	0.44	1.36	0.75	3.0200
32	96.0	96.0	139.5	125.0	138.0	6.0	9.5	3.0	3.0	0.40	1.50	0.80	3.1100
32	96.0	96.0	139.5	125.0	138.0	6.0	9.5	3.0	3.0	0.40	1.50	0.80	2.1100
32	97.0	101.0	130.0	128.0	134.0	4.0	9.5	3.0	3.0	0.44	1.35	0.80	2.7000
33	96.0	99.0	133.0	125.0	138.0	6.0	9.0	3.0	3.0	0.40	1.50	0.80	2.6500
33	95.0	107.0	131.0	123.0	139.0	6.0	9.0	6.0	3.0	0.40	1.50	0.80	2.6300
37	96.0	102.0	135.0	130.0	144.0	6.0	9.0	3.5	3.3	0.44	1.35	0.80	2.9000
37	104.0	102.5	139.0	128.0	141.0	4.0	9.5	3.0	3.0	0.44	1.35	0.80	2.7800
37	98.0	110.0	135.0	124.0	144.0	4.0	9.5	6.0	3.0	0.44	1.35	0.80	2.7600
33	102.0	108.5	139.0	135.0	146.0	7.0	9.5	6.0	3.0	0.40	1.50	0.80	2.9000
31	101.0	110.5	133.5	130.0	140.0	7.0	7.5	6.0	3.0	0.33	1.80	1.00	2.6200
31	101.0	110.5	133.5	130.0	140.0	7.0	7.5	6.0	3.0	0.33	1.80	1.00	2.6200
37	104.0	106.0	139.0	128.0	141.0	4.0	9.5	3.0	3.0	0.44	1.35	0.80	2.7000
37	104.0	111.5	139.0	128.0	141.0	4.0	9.5	6.0	3.0	0.44	1.35	0.80	2.6800
39	105.0	111.0	161.0	150.0	168.0	8.0	9.5	3.5	3.3	0.39	1.56	0.86	5.2000

Single row tapered roller bearings inch



Designations	Boundary dimensions							Basic load rating		Limiting speed	
	d	D	T	B	C	r _{1,2} min	r _{3,4} min	Cr	Cor	grease	oil
	mm							kN		r/min	
597/593X	93.662	150.000	35.992	36.322	27.000	3.5	3.0	189.0	294.0	2000	3000
594A/592XS	95.250	147.638	35.717	36.322	26.192	5.0	3.3	189.0	294.0	2000	3000
594/592A		152.400	39.688	36.322	30.162	3.5	3.3	189.0	294.0	2000	3000
F-502285	99.975	156.975	42.000	42.000	34.000	8.0	3.5	250.0	379.0	2000	3000
HM220149/HM220110		156.975	42.000	42.000	34.000	8.0	3.5	250.0	379.0	2000	3000
780/772	101.600	180.975	47.625	48.006	38.100	3.5	3.3	259.0	368.0	2000	2700
786/772	104.775	180.975	47.625	48.006	38.100	6.4	3.3	259.0	368.0	1800	2600
787/772		180.975	47.625	48.006	38.100	7.0	3.3	259.0	368.0	1800	2600
782/772		180.975	47.625	48.006	38.100	3.5	3.3	259.0	368.0	1800	2600
56418/56650	106.362	165.100	36.512	36.512	26.988	3.5	3.3	191.0	315.0	1900	2800
56425/56650	107.950	165.100	36.512	36.512	26.988	3.5	3.3	191.0	315.0	1900	2800
56425/56662		168.275	36.512	36.512	26.988	3.5	3.3	191.0	315.0	1900	2800
48286/48220	123.825	182.562	39.688	38.100	33.338	3.5	3.3	224.0	435.0	1700	2400
48290/48220	127.000	182.562	39.688	38.100	33.338	3.5	3.3	224.0	435.0	1700	2400
544090/544118	228.600	300.038	33.338	31.750	23.812	3.5	3.3	220.0	432.0	900	1300
544091/544018	231.775	300.038	33.338	31.750	23.812	3.5	3.3	220.0	432.0	900	1300



Acting range a	Abutment and fillet dimensions									Calculation factors			Mass
	d _a max	d _b max	D _a max	D _a min	D _b min	C _a min	C _a min	r _a max	r _b max	e	Y	Y ₀	
mm	mm												kg
37	105.0	107.0	136.5	128.0	141.0	4.0	9.0	3.0	3.0	0.44	1.35	0.80	2.3500
33	104.0	113.0	133.0	124.0	142.0	8.0	9.5	5.0	3.3	0.40	1.50	0.80	2.0900
37	104.0	109.0	139.0	128.0	141.0	4.0	9.5	3.0	3.0	0.44	1.35	0.80	2.5700
32	111.0	122.5	143.5	140.0	151.0	7.0	8.0	7.0	3.0	0.33	1.80	1.00	2.7900
32	111.0	122.5	143.5	140.0	151.0	7.0	8.0	7.0	3.0	0.33	1.80	1.00	2.7900
39	113.0	119.0	161.0	155.0	168.0	7.0	9.5	3.5	3.0	0.40	1.50	0.80	5.1100
39	116.0	128.0	161.0	160.0	168.0	7.0	9.5	6.4	3.3	0.40	1.50	0.80	4.7500
39	116.0	129.0	161.0	160.0	168.0	7.0	9.5	7.0	3.3	0.40	1.50	0.80	4.6400
39	118.0	117.5	167.5	152.0	166.0	7.0	9.5	3.0	3.0	0.40	1.50	0.80	4.6700
38	119.0	120.5	151.5	145.0	158.0	6.0	9.5	3.0	3.0	0.50	1.20	0.70	2.5400
38	119.0	122.0	151.5	145.0	158.0	6.0	9.5	3.0	3.0	0.50	1.20	0.70	2.6900
38	117.0	123.0	151.0	145.0	161.0	6.0	9.5	3.5	3.3	0.50	1.20	0.70	2.8700
34	133.0	139.0	168.0	157.0	176.0	6.0	6.5	3.5	3.3	0.30	2.00	1.10	3.5200
34	140.0	141.5	168.5	165.0	174.0	6.0	6.5	3.0	3.0	0.30	2.00	1.10	3.3000
35	240.0	244.0	282.0	275.0	287.0	7.0	9.5	3.5	3.3	0.31	1.90	1.10	5.6500
35	243.0	247.0	282.0	280.0	287.0	8.0	10.0	3.5	3.3	0.31	1.90	1.10	5.3900