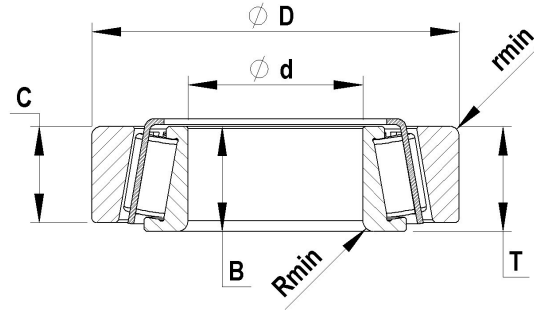


Taper Roller Bearings

TS Series



d 17.462 to 28 mm
(d 0.6875 to 1.1024 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r	C _{or}	Grease	Oil	e	Y	Y ₀	a	Kg	lb		
mm	in	mm	in	mm	in	mm	in	mm	in	KN	Klbf												KN	Klbf
17.462	0.6875	39.878	1.57	13.843	0.545	14.605	0.575	10.668	0.42	1.3	1.3	LM11749/LM11710	25.6	5.8	28	6.3	9000	13000	0.29	2.1	1.15	9	0.08	0.17
19.05	0.75	45.237	1.781	15.494	0.61	16.637	0.655	12.065	0.475	1.2	1.2	LM11949/LM11910	31.5	7.1	28.9	6.5	8500	12000	0.3	2	1.1	10	0.12	0.27
		49.225	1.938	18.034	0.71	19.05	0.75	14.288	0.5625	1.3	1.3	09067/09195	37.5	8.4	37	8.3	8500	12000	0.27	2.26	1.24	11	0.18	0.39
		49.225	1.938	21.209	0.835	19.05	0.75	17.462	0.6875	1.5	1.3	09067/09196	37.5	8.4	37	8.3	8500	12000	0.27	2.26	1.24	15	0.20	0.43
		49.225	1.938	23.02	0.9063	21.539	0.848	17.462	0.6875	3.5	1.5	09074/09194	37.5	8.4	37	8.3	8500	12000	0.27	2.26	1.24	16	0.20	0.44
20.625	0.812	49.225	1.938	23.02	0.9063	21.539	0.848	17.462	0.6875	1.5	1.5	09081/09196	37.5	8.4	37	8.3	8000	11000	0.27	2.26	1.24	12	0.20	0.43
21.43	0.8437	50.005	1.9687	17.526	0.69	18.288	0.72	13.97	0.55	1.3	1.3	M12649/M12610	45	10.1	43.5	9.8	8000	11000	0.28	2.16	1.19	11	0.17	0.37
		50.005	1.9687	17.526	0.69	18.288	0.72	13.97	0.55	1.3	1.3	2M12649/2M12610	45	10.1	43.5	9.8	8000	11000	0.28	2.16	1.19	11	0.17	0.37
21.979	0.8653	45.237	1.781	15.494	0.61	16.637	0.655	12.065	0.475	1.3	1.3	LM12749/LM12710	35.5	8.0	40	9.0	8000	10000	0.31	1.96	1.08	13	0.12	0.26
		45.974	1.81	15.494	0.61	16.637	0.655	12.065	0.475	1.3	1.3	LM12749/LM12711	29.5	6.6	34	7.6	8000	10000	0.31	1.96	1.08	13	0.12	0.26
22.225	0.875	50.8	2	15.011	0.591	14.26	0.5614	12.7	0.5	1.5	1.5	07087X/07210X	30.5	6.9	33	7.4	8000	10000	0.4	1.49	0.82	12	0.10	0.23
25.4	1	50.292	1.98	14.224	0.56	14.732	0.58	10.668	0.42	1.3	1.3	L44643/L44610	29.5	6.6	34	7.6	7500	10000	0.37	1.6	0.88	11	0.13	0.28
		50.8	2	15.011	0.591	14.26	0.5614	12.7	0.5	1.5	1.5	07100S/07210X	30.5	6.9	33	7.4	7500	10000	0.4	1.5	0.82	12	0.09	0.20
		57.15	2.25	19.431	0.765	19.431	0.765	14.732	0.58	1.5	1.5	M84548/M84510	42	9.4	49	11.0	7500	10000	0.55	1.1	0.6	16	0.24	0.52
26*	1.0236	57.15	2.25	17.462	0.6875	17.462	0.6875	13.495	0.5313	1.5	3.5	15579X/15520	38	8.5	43.5	9.8	7500	10000	0.35	1.73	0.95	19	0.21	0.46
26.988	1.0625	50.292	1.98	14.224	0.56	14.732	0.58	10.668	0.42	1.3	3.6	L44649/L44610	29.5	6.6	34	7.6	7500	10000	0.37	1.6	0.88	11	0.13	0.28
		63.5	2.5	20.638	0.8125	20.638	0.8125	15.875	0.625	1.5	0.8	15106/15250X	46	10.3	53	11.9	7500	9000	0.35	1.71	0.94	15	0.32	0.70
28*	1.1024	57.15	2.25	17.462	0.6875	17.462	0.6875	13.495	0.5313	1.5	3.5	J15585/15520	38	8.5	43.5	9.8	7000	9000	0.35	1.73	0.95	12	0.21	0.46

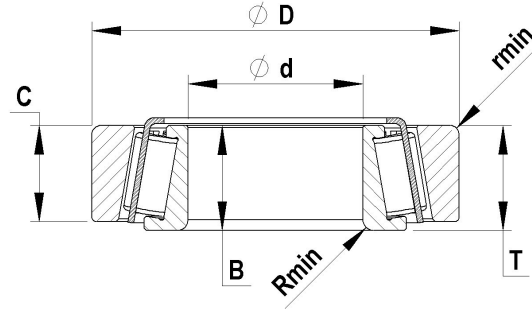
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 28.575 to 34.925 mm
(d 1.125 to 1.375 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
28.575	1.125	60.325	2.375	19.845	0.7813	19.355	0.762	15.875	0.625	1.3	3.5	1988/1931	39	8.8	42.5	9.6	7000	9000	0.33	1.82	1	13	0.24	0.54
		64.292	2.5312	21.433	0.8438	21.433	0.8438	16.67	0.6563	1.5	1.5	M86647/M86610	48.5	10.9	67.5	15.2	7000	9000	0.55	1.1	0.6	18	0.35	0.77
		66.421	2.615	23.812	0.9375	25.433	1.0013	19.05	0.75	1.3	1.3	2689/2631	68.5	15.4	77	17.3	7000	9000	0.26	2.28	1.25	14	0.42	0.93
		68.262	2.6875	22.225	0.875	22.225	0.875	17.462	0.6875	1.5	0.8	02474/02420	53.5	12.0	65	14.6	7000	9000	0.42	1.4	0.79	17	0.41	0.90
		73.025	2.875	22.225	0.875	22.225	0.875	17.462	0.6875	3.3	0.8	02872/02820	55	12.4	65.5	14.7	7000	9000	0.45	1.32	0.73	19	0.83	1.82
29	1.1417	50.292	1.98	14.224	0.56	14.732	0.58	10.668	0.42	1.2	3.6	L45449/L45410	29.5	6.6	34	7.6	7000	9000	0.37	1.62	0.89	11	0.12	0.26
30	1.811	72.085	2.838	22.385	0.8813	19.202	0.756	18.415	0.725	2.3	0.8	14118/14283	46	10.3	55.5	12.5	7000	8500	0.38	1.57	0.86	17	0.20	0.45
30.162	1.1875	62	2.4409	16.002	0.63	16.566	0.6522	14.288	0.5625	1.5	1.5	17119/17244B	40	9.0	43.5	9.8	7000	8500	0.38	1.57	0.86	14	0.23	0.50
		68.262	2.6875	22.225	0.875	22.225	0.875	17.462	0.6875	2.3	0.8	M88043/M88012	58.5	13.2	75	16.9	5600	7500	0.55	1.1	0.6	19	0.41	0.91
31.75	1.25	59.131	2.328	15.875	0.625	16.764	0.66	11.811	0.465	1.3	3.6	LM67048/LM67010	44	9.9	50	11.2	6300	8500	0.41	1.46	0.8	13	0.18	0.39
		62	2.4409	18.161	0.715	19.05	0.75	14.288	0.5625	1.3	4.8	15123/15245	56.5	12.7	62	13.9	6300	8500	0.35	1.71	0.94	13	0.24	0.53
		69.85	2.75	23.812	0.9375	25.357	0.9983	19.05	0.75	1.3	0.8	2580/2523	71.5	16.1	85.5	19.2	6300	8500	0.27	2.2	1.2	15	0.45	0.99
33.338	1.3125	68.262	2.6875	22.225	0.875	22.225	0.875	17.462	0.6875	1.5	0.8	M88048/M88010	56	12.6	70.4	15.8	6300	7500	0.55	1.1	0.6	19	0.38	0.84
		76.2	3	23.812	0.9375	25.654	1.01	19.05	0.75	1.5	3.3	2790/2720	90	20.2	110	24.7	5600	7500	0.3	1.98	1.09	16	0.56	1.23
		76.2	3	29.37	1.1563	28.575	1.125	23.02	0.9063	3.3	0.8	HM89443/HM89410	82	18.4	110	24.7	5600	7500	0.55	1.1	0.6	24	0.77	1.71
34.925	1.375	65.088	2.5625	18.034	0.71	18.288	0.72	13.97	0.55	1.3	3.6	LM48548/LM48510	49	11.0	60	13.5	5600	7500	0.38	1.59	0.88	14	0.26	0.57
		65.088	2.5625	21.082	0.83	18.288	0.72	17.018	0.67	1.5	0.8	LM48548A/LM48511A	49	11.0	60	13.5	5600	7500	0.38	1.59	0.88	14	0.29	0.64
		69.012	2.717	19.845	0.7813	19.583	0.771	15.875	0.625	3.3	3.5	14138A/14274	46	10.3	55.5	12.5	5600	7500	0.38	1.57	0.86	14	0.32	0.71

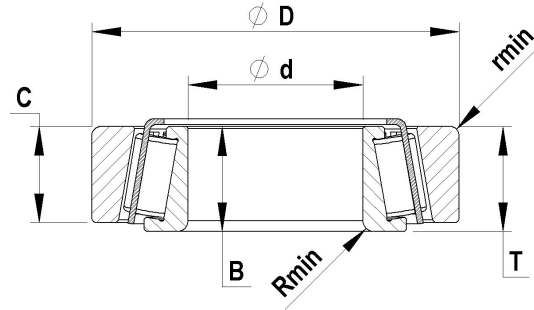
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 34.925 to 38.1 mm
(d 1.375 to 1.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
34.925	1.375	69.012	2.717	19.845	0.7813	19.583	0.771	15.875	0.625	3.5	0.8	14138A/14276B	46	10.3	55.5	12.5	5600	7500	0.38	1.57	0.86	15	0.33	0.73
		72.233	2.8438	25.4	1	25.4	1	19.842	0.7812	2.3	2.3	HM88649/HM88610	70.5	15.8	80.5	18.1	5000	7100	0.55	1.1	0.6	21	0.48	1.06
		73.025	2.875	23.812	0.9375	24.608	0.9688	19.05	0.75	0.8	1.5	25877/25821	71.5	16.1	85	19.1	5600	7500	0.29	2.07	1.14	14	0.48	1.05
		76.2	3	29.37	1.1563	28.575	1.125	23.02	0.9063	3.3	3.5	HM89446/HM89410	82	18.4	110	24.7	5600	7500	0.55	1.1	0.6	24	0.67	1.48
		76.2	3	29.37	1.1563	28.575	1.125	23.812	0.9375	3.3	1.5	31594SH/31520SH	81.5	18.3	98	22.0	5600	7500	0.4	1.49	0.82	21	2.13	4.70
		79.375	3.125	29.37	1.1563	29.771	1.1721	23.812	0.9375	3.3	3.5	3478/3420	87.5	19.7	106	23.8	5600	7500	0.37	1.64	0.9	20	0.70	1.53
		95.25	3.75	11.115	0.4376	29.9	1.1772	22.225	0.875	0.8	2.3	449/432B	108	24.3	129	29.0	5600	7500	0.28	2.11	1.16	19	1.16	2.56
35*	1.378	59.131	2.328	15.875	0.625	16.764	0.66	11.938	0.47	1.3	3.5	L68149/L68110	34	7.6	36	8.1	5600	7000	0.42	1.44	0.79	13	0.17	0.37
		59.974	2.3612	15.875	0.625	16.764	0.66	11.938	0.47	1.3	3.5	L68149/L68111	34.5	7.8	24.5	5.5	5600	7000	0.42	1.44	0.79	13	0.17	0.37
		62*	2.4409	16.7	0.6575	17	0.6693	13.6	0.5354	1.5	SP	LM78349SH/LM78310ASH	41.5	9.3	53.5	12.0	5600	7500	0.44	1.35	0.74	14	0.21	0.45
		62*	2.4409	16.7	0.6575	17	0.6693	13.6	0.5354	1.5	SP	LM78349/LM78310A	41.5	9.3	53.5	12.0	5600	7500	0.44	1.4	0.74	14	0.21	0.45
36.487	1.4365	76.2	3	23.812	0.9375	25.645	1.0096	19.05	0.75	3.3	1.5	2780/2720	90	20.2	110	24.7	5000	6700	0.3	2	1.1	16	0.53	1.16
36.512	1.4375	76.2	3	29.37	1.1563	28.575	1.125	23.02	0.9063	3.3	0.8	HM89448/HM89410	85	19.1	116	26.1	4800	6300	0.55	1.1	0.6	23	0.65	1.43
		72.238	2.844	20.638	0.8125	20.638	0.8125	18.575	0.7313	1.3	3.5	16143/16284	45	10.1	61	13.7	4800	6300	0.4	1.49	0.82	17	0.36	0.80
38.1	1.5	65.088	2.5625	18.034	0.71	18.288	0.72	13.97	0.55	1.3	2.3	LM29749/LM29710	44	9.9	57	12.8	5000	7000	0.33	1.8	0.99	12	0.24	0.52
		65.088	2.5625	18.034	0.71	18.288	0.72	13.97	0.55	1.1	2.3	LM29749/LM29710-DZ	48	10.8	63.5	14.3	5000	7000	0.33	1.8	0.99	12	0.24	0.53
		69.012	2.717	26.195	1.0313	26.195	1.0313	15.083	0.5938	0.8	1.5	13686/13620	49.5	11.1	62	13.9	5000	7000	0.4	1.49	0.82	16	0.36	0.80
		72.238	2.844	20.638	0.8125	20.638	0.8125	15.875	0.625	1.3	3.5	16150/16284	49.5	11.1	61	13.7	5000	7000	0.4	1.49	0.82	17	0.35	0.76

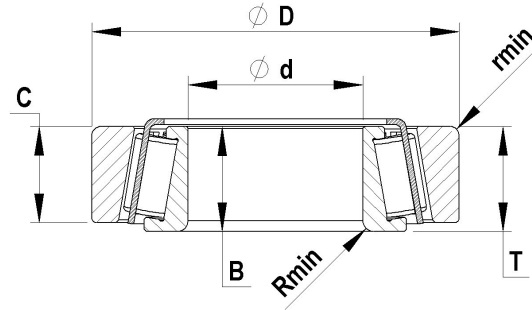
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 38.1 to 41.275 mm
(d 1.5 to 1.625 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
38.1	1.5	76.2	3	23.812	0.9375	25.654	1.01	19.05	0.75	3.3	3.5	2788/2720	90	20.2	110	24.7	5000	7000	0.3	1.98	1.09	17	0.51	1.12
		79.375	3.125	29.37	1.1563	29.771	1.1721	23.812	0.9375	3.3	3.5	3490/3420	87	19.6	104	23.4	5000	7000	0.37	1.64	0.9	20	0.65	1.44
		82.55	3.25	29.37	1.1563	28.575	1.125	23.02	0.9063	3.3	2.3	HM801346X/HM801310	98	22.0	127	28.6	5000	7000	0.55	1.1	0.6	25	0.77	1.70
		88.5	3.4843	26.988	1.0625	29.083	1.145	22.225	0.875	1.5	3.5	418/414	100	22.5	113	25.4	5000	6000	0.26	2.28	1.25	18	0.84	1.86
39*	1.5354	72.014	2.8352	21.4	0.8425	20.638	0.8125	16.637	0.655	0.4	3.5	J16154/J16285	49.5	11.1	61	13.7	4500	6000	0.4	1.49	0.82	17	0.34	0.75
39.688	1.5625	73.025	2.875	23.812	0.9375	25.654	1.01	19.05	0.75	0.8	3.5	2789/2735X	90	20.2	110	24.7	4500	6000	0.3	1.98	1.09	17	0.41	0.91
		73.025	2.875	25.654	1.01	22.098	0.87	21.336	0.84	2.3	0.8	M201047/M201011	63.5	14.3	81.5	18.3	4500	6000	0.33	1.79	0.99	20	0.44	0.96
		76.2	3	23.812	0.9375	25.654	1.01	19.05	0.75	0.8	3.5	2789SH/2729SH	90	20.2	110	24.7	4500	6000	0.3	1.98	1.09	16	0.51	1.12
		76.2	3	23.812	0.9375	25.645	1.0096	19.05	0.75	0.8	3.5	2789/2729	90	20.2	110	24.7	4500	6000	0.3	1.98	1.09	16	0.51	1.12
40.988	1.6137	68*	2.6772	17.5	0.689	18	0.7087	13.5	0.5315	0.8	3.6	LM300849/LM300811-DZ	49	11.0	66	14.8	4500	6000	0.35	1.72	0.95	14	0.25	0.56
41*	1.6142	68*	2.6772	17.5	0.689	18	7.087	13.5	0.5315	1.5	3.6	LM300849/LM300811	51	11.5	60	13.5	4500	6000	0.35	1.72	0.95	14	0.24	0.53
41.275	1.625	73.431	2.891	19.558	0.77	19.812	0.78	14.732	0.58	0.76	3.56	LM501349/LM501310	67	15.1	73.5	16.5	4500	6000	0.4	1.5	0.83	15	0.35	0.78
		73.431	2.891	21.43	0.8437	19.812	0.78	16.604	0.6537	0.8	3.5	LM501349/LM501314	67	15.1	73.5	16.5	4500	6000	0.4	1.5	0.83	17	0.36	0.79
		76.2	3	18.009	0.709	17.384	0.6844	14.288	0.5625	1.5	1.5	11162/11300	50.5	11.4	61.5	13.8	4500	6000	0.49	1.2	0.68	17	0.34	0.76
		76.2	3	22.225	0.875	23.02	0.9063	17.462	0.6875	0.8	3.5	24780/24720	71	16.0	83.5	18.8	4500	6000	0.4	1.5	0.84	17	0.43	0.95
		80.167	3.1562	29.37	1.1563	30.391	1.1965	23.812	0.9375	3.3	0.8	3384/3320	97	21.8	114	25.6	4500	6000	0.27	2.2	1.21	17	0.63	1.39
		80.167	3.1562	29.37	1.1563	30.391	1.1965	23.812	0.9375	3.3	0.8	3379/3320	97	21.8	114	25.6	4500	6000	0.27	2.2	1.21	17	0.63	1.39
		82.55	3.25	26.543	1.045	25.654	1.01	20.193	0.795	3.3	3.5	M802048/M802011	84	18.9	105	23.6	4500	6000	0.55	1.1	0.6	23	0.62	1.37

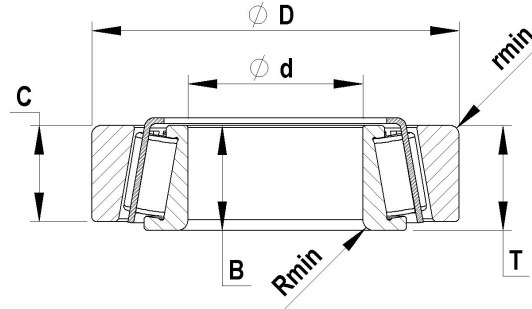
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 41.275 to 44.988 mm
(d 1.625 to 1.7712 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
41.275	1.625	82.55	3.25	26.543	1.045	25.654	1.01	20.193	0.795	3.3	3.5	M802048SH/M802011SH	84	18.9	105	23.6	4500	6000	0.54	1.1	0.6	22	0.62	1.37
		84.138	3.3125	30.162	1.1875	30.886	1.216	23.812	0.9375	3.3	1.5	3585/3520	105	23.6	143	32.1	4500	6000	0.53	1.14	0.62	25	0.79	1.75
		85.725	3.375	30.162	1.1875	30.162	1.1875	23.812	0.9375	SP	3.5	3877/3826B	101	22.7	130	29.2	4500	6000	0.4	1.49	0.82	22	0.86	1.90
		87.312	3.4375	30.162	1.1875	30.866	0.9375	23.812	1.2452	1.5	3.3	3585/3525	129	29.0	175	39.3	4500	6000	0.53	1.14	0.62	24	0.86	1.90
		88.5	3.4843	26.988	1.0625	29.083	1.145	22.225	0.875	1.5	3.5	419/414	100	22.5	113	25.4	5000	6000	0.26	2.28	1.25	18	0.80	1.77
		88.9	3.5	30.162	1.1875	29.37	1.1563	23.02	0.9063	3.3	3.5	HM803146/HM803110	90	20.2	125	28.1	4300	5600	0.54	1.1	0.6	26	0.92	2.02
		104.775	4.125	36.512	1.4375	36.512	1.4375	28.575	1.125	3.3	1.5	59162/59412	146	32.8	194	43.6	4300	5600	0.4	1.49	0.82	26	1.69	3.73
42.862	1.6875	82.55	3.25	26.195	1.0313	26.988	1.0625	20.638	0.8125	3.3	3.5	22780/22720	84.5	19.0	119	26.8	4500	6000	0.4	1.49	0.82	20	0.69	1.51
42.875	1.688	80	3.1496	21	0.8268	22.403	0.882	17.826	0.7018	2	3.5	342S/332US	69	15.5	76	17.1	4500	6000	0.27	2.2	1.21	15	0.43	0.95
42.875	1.6880	82.931	3.265	26.988	1.0625	25.4	1	22.225	0.875	2.3	3.5	25577/25523	78	17.5	101	22.7	4500	6000	0.33	1.79	0.99	19	0.65	1.42
43*	1.6929	80*	3.1496	21.001	0.8268	22.403	0.882	17.826	0.7018	0.8	3.5	342X/332B	69	15.5	76	17.1	4500	6000	0.27	2.2	1.21	15	0.44	0.97
44.45	1.75	82.931	3.265	23.812	0.9375	25.4	1	19.05	0.75	0.8	3.5	25580/25520	77	17.3	100	22.5	4500	6000	0.33	1.79	0.99	18	0.57	1.26
		90.119	3.548	23	0.9055	21.692	0.854	21.808	0.8586	2.3	3.5	355X/352	71.5	16.1	85	19.1	4500	6000	0.31	1.96	1.08	18	0.67	1.47
		93.264	3.6718	30.162	1.1875	30.302	1.193	23.812	0.9375	3.3	3.5	3782SH/3720SH	103	23.2	140	31.5	4500	6000	0.34	1.77	0.98	22	1.04	2.29
		93.264	3.6718	30.162	1.1875	30.302	1.193	23.812	0.9375	3.3	3.5	3782/3720	103	23.2	140	31.5	4500	6000	0.34	1.77	0.98	22	1.04	2.29
		95.25	3.75	30.958	1.2188	28.575	1.125	22.225	0.875	0.8	3.5	HM903249/HM903210	111	25.0	133	29.9	4500	6000	0.74	0.81	0.45	32	1.00	2.20
101.6	4	34.925	1.375	36.068	1.42	26.988	1.0625	3.3	3.5	527/522	136	30.6	168	37.8	4500	6000	0.29	2.1	1.16	22	1.36	3.00		
44.988	1.7712	104.775	4.125	36.512	1.4375	36.512	1.4375	28.575	1.125	3.3	3.5	59175/59412	146	32.8	194	43.6	4300	5600	0.4	1.49	0.82	26	1.63	3.59

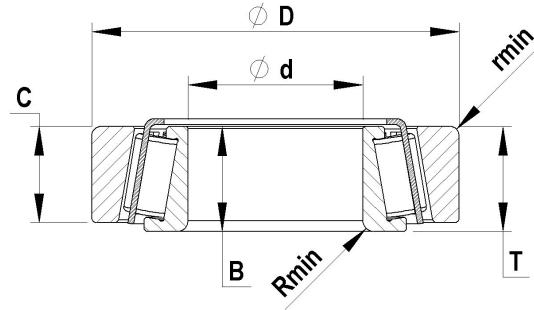
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 45.23 to 50 mm
(d 1.7807 to 1.9685 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
45.23	1.7807	104.986	4.1333	32.512	1.28	31.75	1.25	23.368	0.92	2.5	2.5	HM905843/HM905810	127	28.6	164	36.9	4500	6000	0.78	0.77	0.42	34	1.41	3.11
45.237	1.781	79.985	3.149	19.842	0.7812	20.638	0.8125	15.08	0.5937	2	1.3	17887/17831	58	13.0	76	17.1	4500	6000	0.37	1.64	0.9	16	0.41	0.90
45.242	1.7812	87.312	3.437	30.162	1.1875	30.886	1.216	23.812	0.9375	3.3	3.5	3586/3525-1	114	25.6	120	27.0	4500	6000	0.31	1.97	1.08	20	0.76	1.67
		73.431	2.891	19.558	0.77	19.812	0.78	15.748	0.62	0.8	3.5	LM102949/LM102910	51.5	11.6	70	15.7	4500	6000	0.31	1.97	1.08	14	0.32	0.70
		77.788	3.0625	21.43	0.8437	19.842	0.7812	16.667	0.6562	0.8	3.5	LM603049/LM603012	51	11.5	71	16.0	4800	6300	0.43	1.4	0.77	19	0.36	0.79
45.618	1.796	82.931	3.265	23.812	0.7375	25.4	1	19.05	0.75	0.8	3.5	25590/25520	77	17.3	100	22.5	4500	6000	0.33	1.79	0.99	18	0.56	1.23
		82.931	3.265	26.988	1.0625	25.4	1	22.225	0.875	2.3	3.5	25590/25523	77	17.3	100	22.5	4500	6000	0.33	1.79	0.99	18	0.59	1.30
		82.931	3.265	23.812	0.9375	25.4	1	19.05	0.75	0.8	3.5	25590SH/25520SH	77	17.3	100	22.5	4500	5000	0.33	1.79	0.99	18	0.56	1.23
		83.058	3.27	23.876	0.94	25.4	1	19.114	0.7525	2	3.5	25590SH/25522SH	70	15.7	100	22.5	4500	5000	0.33	1.79	0.99	21	0.56	1.23
		83.058	3.27	23.876	0.94	25.4	1	19.114	0.7525	2	3.5	25590/25522	77	17.3	100	22.5	4500	5000	0.33	1.79	0.99	18	0.56	1.23
43*	1.6929	75*	2.9528	18	0.7087	18	0.7087	14	0.5512	1.6	2.3	LM503349/LM503310-DZ	57	12.8	79.5	17.9	4800	6300	0.4	1.49	0.82	16	0.31	0.67
46.038	1.8125	79.375	3.125	17.462	0.6875	17.462	0.6875	13.495	0.5313	1.5	2.8	18690/18620	48	10.8	60	13.5	4500	6000	0.37	1.6	0.88	16	0.33	0.72
		85	3.3465	20.638	0.8125	21.692	0.854	17.462	0.6875	1.5	2.3	359S/354X	73	16.4	83	18.7	4500	6000	0.31	1.9	1.1	16	0.77	1.70
		85	3.3465	20.638	0.8125	21.692	0.854	17.462	0.6875	1.3	2.3	359S/354A	73	16.4	83	18.7	4500	6000	0.31	1.9	1.1	16	0.77	1.70
47.625	1.875	93.264	3.6718	30.162	1.1875	30.302	1.193	23.812	0.9375	3.3	3.5	3779/3720	103	23.2	140	31.5	3800	5300	0.34	1.77	0.98	21	0.92	2.03
		95.25	3.75	30.162	1.1875	29.37	1.1563	23.02	0.9063	3.3	3.5	HM804846/HM804810	107	24.1	144	32.4	3800	5300	0.55	1.1	0.6	26	0.99	2.18
50*	1.9685	82*	3.2283	21.976	0.8652	21.501	0.8465	17	0.6693	0.5	3	JM104948/JLM104910	61.5	13.8	84	18.9	4000	5000	0.31	1.97	1.08	16	0.43	0.94

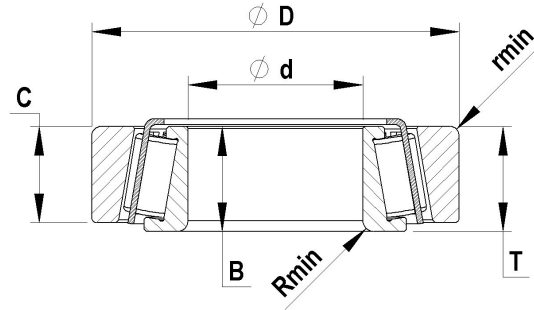
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 50.8 mm
(d 2 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
50.8	2	84*	3.3071	22	0.8661	22	0.8661	17.5	0.6890	1.5	3.5	JLM704649/JLM704610	64	14.4	91	20.5	4000	5000	0.44	1.37	0.75	20	0.47	1.04
		90*	3.5433	28	1.1024	28	1.1024	23	0.9055	2.5	3	JM205149/JM205110	121	27.2	140	31.5	4000	5000	0.33	1.83	1.01	20	0.76	1.67
		93.264	3.6718	30.162	0.1875	30.302	1.193	23.812	0.9375	3.3	3.5	50W01/3720	113	25.4	136	30.6	4000	5000	0.34	1.77	0.98	23	0.93	2.05
		105*	4.1339	37	1.4567	36	1.4173	29	1.1417	3	2.5	JHM807045/JHM807012	140	31.5	192	43.2	4000	5000	0.49	1.23	0.68	29	1.39	3.06
		82	3.2283	21.967	0.8648	22.225	0.875	17	0.6693	0.5	3.5	LM104949/LM104910	68.5	15.4	84	18.9	4500	6000	0.3	2	1.1	16	0.42	0.93
		82.55	3.25	21.59	0.85	22.225	0.875	16.51	0.65	1.3	3.5	LM104949/LM104911	68.5	15.4	84	18.9	4500	6000	0.31	1.97	1.08	16	0.42	0.92
		85	3.3465	17.462	0.6875	17.462	0.6875	13.495	0.5313	1.5	3.5	18790/18720	50.5	11.4	66.5	15.0	4000	5000	0.41	1.48	0.81	63	0.38	0.83
		88.9	3.5	20.638	0.8125	22.225	0.875	16.513	0.6501	1.3	3.5	368A/362A	75.5	17.0	89	20.0	4000	5000	0.32	1.88	1.03	17	0.52	1.15
		90	3.5433	25	0.9843	22.225	0.875	20	0.7874	2	3.5	368A/362X	75.5	17.0	89	20.0	4000	5000	0.32	1.88	1.03	17	0.60	1.32
		92.075	3.625	24.608	0.9688	25.4	1	19.845	0.7813	0.8	3.5	28580/28521	86.5	19.4	119	26.8	4000	5000	0.38	1.59	0.88	18	0.70	1.55
		93.264	3.6718	30.162	1.1875	30.162	1.1875	23.812	0.9375	0.8	0.8	3775/3730	124	27.9	158	35.5	4000	5000	0.34	1.77	0.98	22	0.87	1.92
		93.264	3.6718	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	3780/3720	124	27.9	158	35.5	4000	4500	0.34	1.77	0.98	22	0.87	1.92
		101.6	4	31.75	1.25	31.75	1.25	25.4	1	0.8	3.5	49585/49522	120	27.0	151	33.9	4000	4500	0.4	1.5	0.82	23	1.13	2.49
		104.775	4.125	36.512	1.4375	36.512	1.4375	28.575	1.125	3.3	3.5	HM807046/HM807010	140	31.5	192	43.2	3500	4500	0.49	1.23	0.68	29	1.48	3.26
		104.775	4.125	36.512	1.4375	36.512	1.4375	28.575	1.125	3.3	3.5	59200/59412	146	32.8	194	43.6	3500	4500	0.4	1.49	0.82	26	1.49	3.28
		104.775	4.125	30.162	1.1875	30.958	1.2188	23.812	0.9375	3.3	0.8	45285ASH/45220SH	127	28.6	166	37.3	3500	4500	0.33	1.8	0.99	26	1.23	2.71
104.775	4.125	30.162	1.1875	30.958	1.2188	23.812	0.9375	3.3	6.4	45284/45220	127	28.6	166	37.3	3500	4500	0.33	1.8	0.99	26	1.23	2.71		
107.95	4.25	27.783	1.0938	29.317	1.1542	22.225	0.875	0.8	0.8	455/453A	110	24.7	143	32.1	3500	4500	0.34	1.79	0.98	21	1.24	2.73		

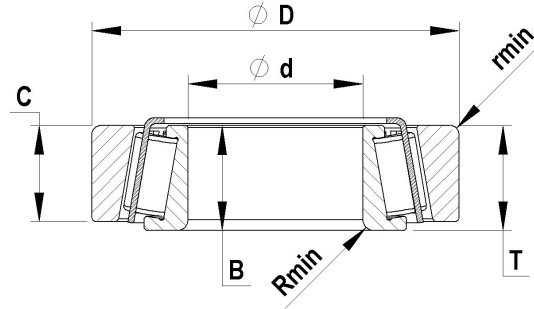
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 50.8 to 57.15 mm
(d 2 to 2.25 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
50.8	2	107.95	4.25	27.795	1.0943	29.317	1.1542	27	1.063	0.8	0.8	455/453	110	24.7	143	32.1	3500	4500	0.34	1.79	0.98	21	1.30	2.87
		123.825	4.875	36.512	1.4375	32.791	1.291	25.4	1	3.3	3.5	72200C/72487	142	31.9	189	42.5	2800	4000	0.74	0.81	0.45	38	2.13	4.70
51.75	2.0374	104.775	4.125	30.162	1.1875	29.317	1.1542	24.605	0.9687	3.3	2.3	462/453X	100	22.5	145	32.6	3500	4500	0.34	1.79	0.98	25	1.05	2.31
52.388	2.0625	92.075	3.625	24.608	0.9688	25.4	1	19.845	0.7813	0.8	3.5	28584/28521	86.5	19.4	119	26.8	3500	4000	0.38	1.59	0.88	18	0.68	1.49
		92.075	3.625	24.608	0.9688	25.4	1	19.845	0.7813	0.8	3.5	28584A6/28521	86.5	19.4	119	26.8	3500	4000	0.38	1.59	0.88	18	0.68	1.49
		95.25	3.75	27.783	1.0938	28.575	1.125	22.225	0.875	2.3	3.5	33891/33821	109	24.5	140	31.5	3000	4000	0.33	1.82	1	20	0.81	1.79
53.975	2.125	95.25	3.75	27.783	1.0938	28.575	1.125	22.225	0.875	0.8	1.5	33895/33822	109	24.5	140	31.5	3000	4000	0.33	1.82	1	20	0.82	1.81
		100	3.937	21	0.8268	21.946	0.864	17.862	0.7032	2	0.8	389A/383A	82.5	18.5	103	23.2	3000	4000	0.35	1.69	0.93	19	0.69	1.53
		107.95	4.25	36.512	1.4375	36.957	1.455	28.575	1.125	0.5	3.5	539/532XA6	153	34.4	190	42.7	3000	4000	0.3	2.02	1.11	23	1.47	3.24
		123.825	4.875	36.512	1.4375	32.791	1.291	25.4	1	3.3	3.5	72212C/72487	142	31.9	189	42.5	2800	4000	0.74	0.81	0.45	38	2.12	4.67
		130.175	5.125	36.512	1.4375	33.338	1.3425	23.812	0.9375	3.3	3.5	HM911242/HM911210	176	39.6	210	47.2	3000	4000	0.81	0.74	0.41	41	2.24	4.94
54.488	2.1452	104.775	4.125	36.512	1.4375	36.512	1.4375	28.575	1.125	3.3	3.5	HM807048/HM807010	140	31.5	192	43.2	3000	4000	0.49	1.23	0.68	29	1.39	3.06
55*	2.1654	90*	3.5433	23	0.9055	23	0.9055	18.5	0.7283	0.5	1.5	JLM506849/JLM506810	78	17.5	113	25.4	3000	4000	0.4	1.5	0.82	20	0.57	1.25
		95*	3.7402	29	1.1417	29	1.1417	23.5	0.9252	2.5	1.5	JM207049/JM207010	77	17.3	152	34.2	3000	4000	0.33	1.8	0.99	21	0.83	1.83
		110*	4.3307	39	1.5354	39	1.5354	32	1.2598	2.5	3	JH307749/JH307710	164	36.9	203	45.6	3000	4000	0.35	1.69	0.93	26	1.69	3.73
55.562	2.1875	97.63	3.837	24.608	0.9688	24.608	0.9688	19.446	0.7656	0.8	3.5	28680/28622	89.5	20.1	129	29.0	3000	4000	0.4	1.49	0.82	21	0.76	1.68
57.15	2.25	96.838	3.8125	21	0.8268	21.946	0.864	15.875	0.625	0.8	3.5	387A/382A	82.5	18.5	103	23.2	3000	4000	0.35	1.7	0.9	21	0.58	1.28
		100	3.937	21	0.8268	21.946	0.864	17.826	0.7018	2	0.8	387S/383A	82.5	18.5	103	23.2	3000	4000	0.35	1.69	0.93	19	0.65	1.44

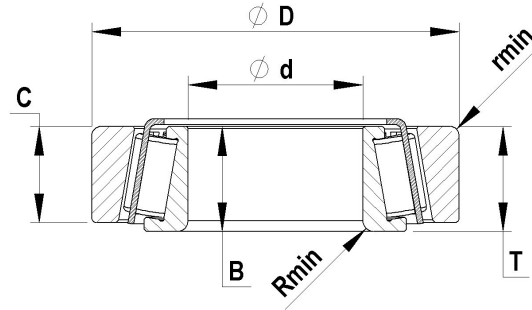
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 57.15 to 63.5 mm
(d 2.25 to 2.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
57.15	2.25	112.712	4.4375	30.162	1.1875	30.048	1.183	23.812	0.9375	3.3	3.5	3979/3920	139	31.3	198	44.5	3000	4000	0.35	1.7	0.93	24	1.46	3.22
		112.712	4.4375	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	8	39581/39520	141	31.7	201	45.2	3000	4000	0.35	1.7	0.93	24	1.42	3.13
		140.03	5.513	36.512	1.4375	33.236	1.3085	23.52	0.926	2.3	3.5	78225C/78551	155	34.8	185	41.6	3000	4000	0.87	0.69	0.38	45	2.53	5.58
60*		112.712	4.4375	30.162	1.1875	30.048	1.183	23.812	0.9375	3.3	3.5	3977/3920	115	25.9	170	38.2	3000	4000	0.4	1.49	0.82	25	1.30	2.87
		135*	5.3150	33.45	1.3169	30.95	1.2185	22	0.8661	3.5	3.5	HM911244B/HM911216B	151	33.9	175	39.3	3000	4000	0.82	0.73	0.4	41	2.06	4.54
		146.05	5.75	41.275	1.625	39.688	1.5625	25.4	1	3.3	3.5	H913840/H913810	206	46.3	240	54.0	3000	4000	0.78	0.77	0.42	45	3.28	7.23
60.325	2.375	100	3.937	25.4	1	25.4	1	19.845	0.7813	3.3	3.5	28985/28921	95	21.4	75.5	17.0	3000	4000	0.43	1.41	0.77	24	0.81	1.79
		101.6	4	25.4	1	25.4	1	19.845	0.7813	3.3	3.5	28985/28920	95	21.4	75.7	17.0	3000	4000	0.43	1.41	0.77	24	0.85	1.88
		122.238	4.8125	38.1	1.5	38.354	1.51	29.718	1.17	3.3	8	HM212044/HM212011	233	52.4	154	34.6	3000	4000	0.34	1.78	0.98	31	2.08	4.59
		123.825	4.875	38.1	1.5	36.678	1.444	30.162	1.1875	3.3	2.3	558/552A	162	36.4	223	50.1	3000	4000	0.35	1.73	0.95	31	2.09	4.61
		127	5	44.45	1.75	44.45	1.75	34.925	1.375	3.3	3.5	65237/65500	211	47.4	274	61.6	3000	4000	0.49	1.2	0.68	35	2.65	5.84
61.912	2.4375	112.712	4.4375	26.967	1.0617	21.996	0.866	23.812	0.9375	3.3	0.8	392/3920	91	20.5	105	23.6	3000	4000	0.4	1.49	0.82	27	1.06	2.34
		127	5	36.512	1.4375	36.512	1.4375	26.988	1.0625	3.3	3.5	HM813843/HM813810	166	37.3	234	52.6	2600	3400	0.5	1.2	0.66	37	2.16	4.76
		136.525	5.375	46.038	1.8125	46.038	1.8125	36.512	1.4375	3.3	3.5	H715334/H715311	249	56.0	405	91.1	2600	3400	0.47	1.3	0.7	37	3.41	7.52
63.5	2.5	94.458	3.7188	19.05	0.75	19.05	0.75	15.083	0.5938	1.5	1.5	L610549/L610510	62	13.9	105	23.6	3000	4000	0.42	1.4	0.78	20	0.45	1.00
		104.775	4.125	21.433	0.8438	22	0.8661	15.875	0.625	2	2	39250/39412	92.5	20.8	119	26.8	3000	4000	0.39	1.6	0.86	20	0.71	1.57
		107.95	4.25	25.4	1	25.4	1	19.05	0.75	3.3	1.5	29586/29520	92.5	20.8	141	31.7	3000	4000	0.46	1.31	0.72	18	0.91	2.02
		107.95	4.25	25.4	1	25.4	1	19.05	0.75	0.8	1.5	29586/29522	92.5	20.8	141	31.7	3000	4000	0.46	1.31	0.72	24	0.91	2.02

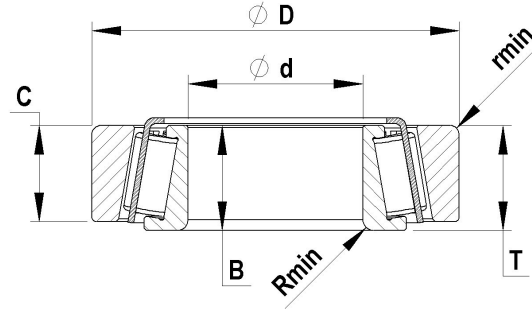
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 63.5 to 66.675 mm
(d 2.5 to 2.625 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
63.5	2.5	107.95	4.25	25.4	1	25.4	1	19.05	0.75	0.8	3.5	29585/29522	92.5	20.8	141	31.7	3000	4000	0.46	1.31	0.72	24	0.91	2.02
		110	4.3307	22	0.8661	21.996	0.866	18.824	0.7411	1.3	3.5	395/394A	90	20.2	117	26.3	3000	4000	0.4	1.5	0.82	21	0.85	1.88
		110	4.3307	25.4	1	25.4	1	19.05	0.75	1.3	3.5	29585/29521	92.5	20.8	141	31.7	3000	4000	0.46	1.31	0.72	24	0.97	2.13
		112.712	4.4375	30.162	1.1875	30.048	1.183	23.812	0.9375	3.3	3.5	3982/3920	116	26.1	170	38.2	2900	3900	0.4	1.49	0.82	24	1.22	2.69
		112.712	4.4375	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	39585/39520	154	34.6	201	45.2	2900	3900	0.35	1.7	0.93	24	1.27	2.80
		112.712	4.4375	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	39585/39520/HE1	154	34.6	201	45.2	2900	3900	0.35	1.7	0.93	24	1.27	2.80
63.5	2.5	122.238	4.8125	38.1	1.5	38.354	1.51	29.718	1.17	3.3	7	HM212047/HM212011	190	42.7	250	56.2	2900	3900	0.34	1.78	0.98	24	1.90	4.19
		123.825	4.875	38.1	1.5	36.678	1.444	30.162	1.1875	3.3	3.5	559/552A	162	36.4	223	50.1	2900	3900	0.35	1.73	0.95	29	1.99	4.39
		127	5	36.512	1.4375	36.512	1.4375	26.988	1.0625	3.3	3.5	HM813842/HM813810	166	37.3	234	52.6	2900	3900	0.5	1.2	0.66	32	2.12	4.67
		136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	H414235/H414210	264	59.4	340	76.4	2800	3800	0.36	1.66	0.91	30	3.03	6.68
		136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	H414235A6/H414210B2	264	59.4	340	76.4	2800	3800	0.36	1.66	0.91	30	2.96	6.53
65*	2.5591	110*	4.3307	28	1.1024	28	1.1024	22.5	0.8858	2.5	3	JM511946/JM511910	131	29.5	181	40.7	2800	3800	0.4	1.49	0.82	24	1.06	2.34
		120*	4.7244	39	1.5354	38.5	1.5157	32	1.2598	2.5	3	JM211749/JM211710	187	42.0	250	56.2	2800	3800	0.34	1.78	0.98	27	0.86	1.90
65.088	2.5625	135.755	5.3447	53.975	2.125	56.007	2.205	44.45	1.75	3.3	3.5	6379/6320	265	59.6	355	79.8	2600	3400	0.32	1.88	1.02	36	3.63	8.00
66.675	2.625	107.95	4.25	25.4	1	25.4	1	19.05	0.75	0.8	3.5	29590/29522	92.5	20.8	141	31.7	2800	3800	0.46	1.31	0.72	18	0.85	1.88
		107.95	4.25	25.4	1	25.4	1	19.05	0.75	0.8	3.5	29590A6/29522	92.5	20.8	141	31.7	2800	3800	0.46	1.31	0.72	24	0.85	1.88
		110	4.3307	22	0.8661	21.996	0.866	18.824	0.7411	1.3	0.8	395A/394A	90	20.2	117	26.3	2800	3800	0.4	1.49	0.82	21	0.80	1.76
		110	4.3307	22	0.8661	21.996	0.866	18.824	0.7411	1.3	3.5	395S/394A	90	20.2	117	26.3	2800	3800	0.4	1.49	0.82	21	0.40	0.88

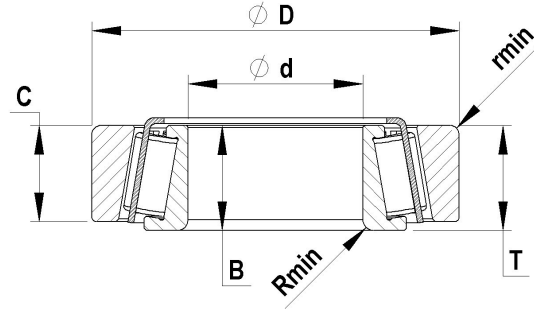
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 66.765 to 69.85 mm
(d 2.625 to 2.75 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
66.675	2.625	112.712	4.4375	30.162	1.1875	30.048	1.183	23.812	0.9375	3.3	3.5	3984/3920	116	26.1	170	38.2	2800	3800	0.4	1.49	0.82	24	1.17	2.58
		112.712	4.4375	30.162	1.1875	30.048	1.183	23.812	0.9375	3.3	5.5	3994/3920	116	26.1	170	38.2	2800	3800	0.4	1.49	0.82	24	1.17	2.58
		112.712	4.4375	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	39590/39520	141	31.7	201	45.2	2800	3800	0.35	1.7	0.93	24	1.23	2.71
		112.712	4.4375	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	39590SH/39520SH	141	31.7	201	45.2	2800	3800	0.35	1.7	0.93	24	1.23	2.71
		117.475	4.625	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	33262/33462	123	27.7	180	40.5	2800	3800	0.44	1.38	0.76	28	1.37	3.02
		122.238	4.8125	38.1	1.5	38.354	1.51	29.718	1.17	3.3	3.6	HM212049/HM212011	233	52.4	154	34.6	2800	3800	0.34	1.78	0.98	24	1.90	4.19
		122.238	4.8125	38.1	1.5	38.354	1.51	29.718	1.17	1.5	3.5	HM212049/HM212010	233	52.4	154	34.6	2800	3800	0.34	1.78	0.98	27	1.90	4.19
		122.238	4.8125	38.1	1.5	38.354	1.51	29.718	1.17	SP	SP	HM212049A6/HM212010A6	233	52.4	154	34.6	2600	3400	0.34	1.78	0.98	27	1.90	4.19
		136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	641/632	199	44.7	271	60.9	2600	3400	0.36	1.66	0.91	30	2.74	6.04
68.262	2.6875	136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	642/632	199	44.7	271	60.9	2600	3400	0.36	1.66	0.91	30	2.69	5.93
		136.525	5.375	46.038	1.8125	46.038	1.8125	36.512	1.4375	3.3	3.5	H715343/H715311	238	53.5	380	85.4	2600	3400	0.47	1.3	0.7	37	3.18	7.01
		161.925	6.375	49.212	1.9375	46.038	1.8125	31.75	1.25	3.3	3.5	9278/9220	248	55.8	490	110.2	2800	3800	0.71	0.85	0.47	56	4.58	10.10
69.85	2.75	112.712	4.4375	25.4	1	25.4	1	19.05	0.75	3.3	1.5	29675/29620	98	22.0	156	35.1	2600	3600	0.49	1.23	0.68	26	0.95	2.10
		120	4.7244	29.795	1.173	29.007	1.142	24.237	0.9542	2	3.5	482/472	135	30.4	188	42.3	2800	3800	0.38	1.56	0.86	26	1.32	2.91
		120	4.7244	32.545	1.2813	32.545	1.2813	26.195	1.0313	3.3	3.5	47487/47420	157	35.3	229	51.5	3000	4000	0.35	1.7	0.9	25	1.50	3.31
		130.175	5.125	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	643/633	199	44.7	271	60.9	2600	3600	0.36	1.66	0.91	29	2.30	5.07
		146.05	5.75	41.275	1.625	39.688	1.5625	25.4	1	3.3	3.5	H913849/H913810	206	46.3	240	54.0	2600	3600	0.78	0.77	0.42	45	2.97	6.55

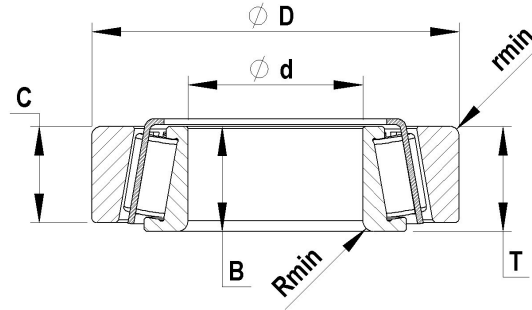
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 70 to 76.2 mm
(d 2.7559 to 3 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
70*	2.7559	110*	4.3307	26	1.0236	25	0.9843	20.5	0.8071	2.5	1	JLM813049/JLM813010	102	22.9	156	35.1	3000	4000	0.49	1.23	0.68	26	0.89	1.97
71.438	2.8125	117.475	4.625	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	33281/33462	118	26.5	180	40.5	2600	3600	0.44	1.38	0.76	28	1.24	2.73
73.025	2.875	136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	3.5	H414249/H414210	242	54.4	300	67.4	2600	3600	0.36	1.66	0.92	31	2.59	5.71
		136.525	5.375	41.275	1.625	41.275	1.625	31.75	1.25	3.3	6.4	645/632	199	44.7	271	60.9	2600	3600	0.36	1.66	0.91	33	2.55	5.62
		112.712	4.4375	25.4	1	25.4	1	19.05	0.75	3.3	3.5	29685/29620	98	22.0	156	35.1	2600	3600	0.49	1.23	0.68	25	0.88	1.94
		117.475	4.625	30.162	1.1875	30.162	1.1875	23.812	0.9375	3.3	3.5	33287/33462	118	26.5	180	40.5	2600	3600	0.44	1.38	0.76	28	1.21	2.67
		150.089	5.909	44.45	1.75	46.672	1.8375	36.512	1.4375	3.3	3.5	744/742	264	59.4	365	82.1	2400	3400	0.33	1.84	1.01	31	3.74	8.25
75*	2.9528	115*	4.5276	25	0.9843	25	0.9843	19	0.7480	2.5	3	JLM714149/JLM714110	105	23.6	152	34.2	2600	3600	0.46	1.3	0.72	25	8.58	18.92
		120*	4.7244	31	1.2205	29.5	1.1614	25	0.9843	2.5	3	JM714249/JM714210	128	28.8	204	45.9	2600	3600	0.44	1.35	0.74	28	1.28	2.82
75.987	2.9916	131.976	5.1959	39	1.5354	39	1.5354	32	1.2598	3.5	7	HM215249/HM215210	203	45.6	305	68.6	2600	3600	0.33	1.84	1.01	28	2.14	4.72
76.2	3	125.412	4.9375	25.4	1	25.4	1	19.845	0.7813	1.5	3.5	27684/27620	91	20.5	160	36.0	2600	3600	0.45	1.32	0.73	29	1.25	2.76
		127	5	30.162	1.1875	31	1.2205	22.225	0.875	3.3	3.5	42687/42620	184	41.4	220	49.5	2600	3600	0.42	1.43	0.79	27	1.44	3.17
		127	5	30.162	1.1875	31	1.2205	22.225	0.875	3.3	6.4	42688/42620	184	41.4	220	49.5	2600	3600	0.42	1.43	0.79	27	1.44	3.17
		135.733	5.3438	44.45	1.75	46.1	1.815	34.925	1.375	3.3	3.5	5760/5735	215	48.3	340	76.4	2600	3600	0.41	1.5	0.81	33	2.73	6.02
		136.525	5.375	30.162	1.1875	29.769	1.1716	22.225	0.875	3.175	3.5	495A/493	134	30.1	198	44.5	2400	3400	0.44	1.35	0.74	29	1.82	4.01
		139.992	5.5115	36.512	1.4375	36.098	1.4212	28.575	1.125	3.302	3.5	575/572	187	42.0	290	65.2	2400	3400	0.4	1.49	0.82	32	2.44	5.38
		150.089	5.909	44.45	1.75	46.672	1.8375	36.512	1.4375	3.3	3.5	748S/742	264	59.4	365	82.1	2400	3400	0.33	1.84	1.01	33	3.62	7.98
		161.925	6.375	47.625	1.875	48.26	1.9	38.1	1.5	3.3	3.5	755/752	273	61.4	390	87.7	2400	3400	0.34	1.76	0.97	40	4.85	10.69

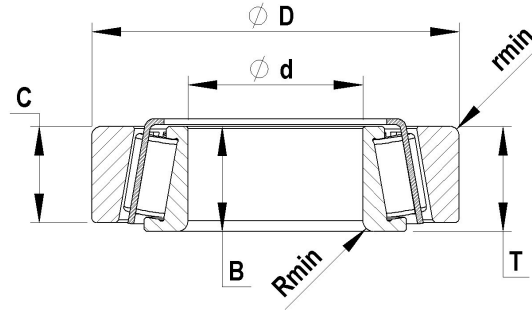
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 77.788 to 85.725 mm
(d 3.0625 to 3.375 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
77.788	3.0625	135.733	5.3438	44.45	1.75	46.1	1.815	34.925	1.375	3.3	3.5	5795/5735	215	48.3	340	76.4	2600	3600	0.41	1.5	0.81	33	2.73	6.02
80*	3.1496	130*	5.1181	35	1.3780	34	1.3386	28.5	1.1220	2.5	3	JM515649/JM515610	175	39.3	280	62.9	2400	3400	0.41	1.48	0.81	30	1.82	4.01
80.962	3.1875	136.525	5.375	30.162	1.1875	29.769	1.172	22.225	0.875	3.175	3.503	496/493	134	30.1	198	44.5	2400	3400	0.44	1.35	0.74	29	1.75	3.86
82.55	3.25	125.412	4.9375	25.4	1	25.4	1	19.845	0.7813	1.5	3.5	27687/27620	140	31.5	151	33.9	2400	3400	0.45	1.32	0.73	27	1.10	2.43
		133.35	5.25	33.338	1.3125	33.338	1.3125	26.195	1.0313	3.3	6.8	47687/47620	142	31.9	218	49.0	2400	3400	0.4	1.48	0.82	28	1.74	3.84
		133.35	5.25	33.338	1.3125	33.338	1.3125	26.195	1.0313	3.3	3.5	47686/47620	142	31.9	218	49.0	2400	3400	0.4	1.48	0.82	28	1.80	3.97
82.55	3.25	133.35	5.25	39.688	1.5625	39.688	1.5625	32.545	1.2813	3.3	3.5	HM516449/HM516410	186	41.8	310	69.7	2400	3400	0.4	1.48	0.82	32	2.12	4.67
		139.7	5.5	36.512	1.4375	36.098	1.4212	28.575	1.125	3.3	3.556	580/572X	187	42.0	290	65.2	2400	3400	0.4	1.48	0.82	31	2.21	4.87
		139.992	5.5115	36.512	1.4375	36.098	1.4212	28.575	1.125	3.302	3.556	580/572	217	48.8	275	61.8	2400	3400	0.4	1.49	0.82	31	2.21	4.87
		146.05	5.75	41.275	1.625	41.275	1.625	31.75	1.25	3.505	0.254	663/653	265	59.6	360	80.9	2400	3400	0.41	1.47	0.81	36	2.87	6.33
		150	5.9055	44.45	1.75	46.672	1.8375	36.512	1.4375	3.3	3.5	749A/742A	264	59.4	365	82.1	2400	3400	0.33	1.84	1.01	38	3.33	7.34
83.345	3.2813	125.412	4.9375	25.4	1	25.4	1	19.845	0.7813	1.5	3.5	27690/27620	100	22.5	160	36.0	2400	3400	0.42	1.44	0.79	26	1.08	2.38
84.138	3.3125	133.35	5.25	30.162	1.1875	29.769	1.172	22.225	0.875	3.3	3.5	498/492A	134	30.1	198	44.5	2400	3400	0.44	1.35	0.74	29	1.47	3.24
84.976	3.3455	125.412	4.9375	25.4	1	25.4	1	19.845	0.7813	1.5	5	27695/27620	100	22.5	160	36.0	2400	3400	0.45	1.32	0.73	31	1.01	2.23
85*		130*	4.9375	30	1.1811	29	1.1417	24	0.9449	2.5	3	JM716649/JM716610	138	31.0	216	48.6	2400	3400	0.44	1.35	0.74	30	1.39	3.06
85.026	3.3475	150.089	5.909	44.45	1.75	46.672	1.8375	36.512	1.4375	3.3	3.5	749/742	264	59.4	365	82.1	2400	3400	0.33	1.84	1.01	31	3.22	7.10
		150.089	5.909	44.45	1.75	46.672	1.8375	36.512	1.4375	3.3	5	749S/742	264	59.4	365	82.1	2400	3400	0.33	1.84	1.01	33	3.20	7.05
85.725	3.375	136.525	5.375	30.163	1.1875	29.769	1.172	22.225	0.875	3.175	3.556	497/493	134	30.1	198	44.5	2400	3400	0.44	1.35	0.74	29	1.60	0.73

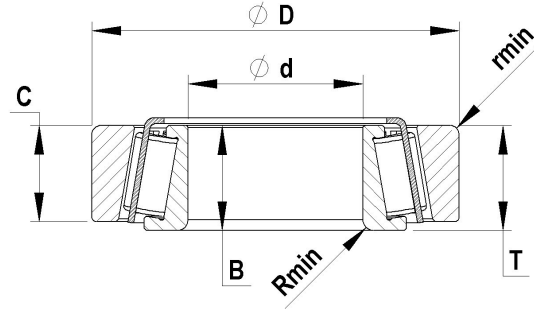
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 85.725 to 92.075 mm
(d 3.375 to 3.625 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
85.725	3.375	133.35	5.25	30.162	1.1875	29.769	1.172	22.225	0.875	3.3	3.556	497/492A	134	30.1	198	44.5	2200	3200	0.44	1.35	0.74	23	1.47	3.24
		142.138	5.596	42.862	1.6875	42.862	1.6875	34.133	1.3438	3	4.8	HM617049/HM617010	220	49.5	345	77.6	2200	3200	0.43	1.4	0.76	35	2.63	5.80
		146.05	5.75	41.275	1.625	41.275	1.625	31.75	1.25	3.175	6.4	665A/653	217	48.8	315	70.8	2200	3200	0.41	1.47	0.81	33	2.74	6.04
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.175	3.5	596/592A	315	70.8	167	37.5	2000	3400	0.44	1.36	0.75	39	2.92	6.44
88.9	3.5	118.618	4.67	39.688	1.5625	39.688	1.5625	30.162	1.1875	3.556	6.35	HM518445/HM518410	286	64.3	350	78.7	2000	3000	0.4	1.49	0.82	33	2.86	6.31
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.175	6.4	593A/592A	184	41.4	286	64.3	1800	2700	0.44	1.36	0.75	39	2.80	6.17
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.3	3.5	593/592A	207	46.5	169	38.0	1800	2700	0.44	1.36	0.75	39	2.63	5.80
		152.4	6	39.688	1.5625	39.688	1.5625	30.162	1.1875	SP	SP	HM518445A6/ HM518410A6	255	57.3	370	83.2	1800	2700	0.4	1.49	0.82	34	2.86	6.31
		161.925	6.375	53.975	2.125	55.1	2.1693	42.862	1.6875	3.3	3.5	6580/6535	315	70.8	475	106.8	2400	3400	0.4	1.49	0.82	41	4.73	10.43
		168.275	6.625	41.275	1.625	41.275	1.625	30.162	1.1875	3.3	3.5	679/672	205	46.1	350	78.7	1800	2700	0.47	1.28	0.7	38	4.03	8.88
		190.5	7.5	57.15	2.25	57.531	2.265	44.45	1.75	3.3	8	855/854	380	85.4	555	124.8	1900	2600	0.33	1.8	0.99	42	7.69	16.95
		190.5	7.5	57.15	2.25	57.531	2.265	46.038	1.8125	3.3	8	HH221434/HH221410	445	100.0	610	137.1	1700	2400	0.33	1.79	0.99	24	7.87	17.35
90*	3.5433	145*	5.7087	35	1.3780	34	1.3386	27	1.0630	2.5	6	JM718149A/JM718110	189	42.5	315	70.8	2200	3200	0.44	1.36	0.75	33	2.17	4.78
		147*	5.7874	40	1.5748	40	1.5748	32.5	1.2795	3.5	7	HM218248/HM218210	216	48.6	345	77.6	2200	3200	0.33	1.8	0.99	31	2.51	5.53
		147*	5.7874	40	1.5748	40	1.5748	32.5	1.2795	5.8	3.5	HM218248SH/ HM218210SH	253	56.9	370	83.2	2200	3200	0.33	1.8	0.99	31	2.58	5.69
		147*	5.7874	40	1.5748	40	1.5748	32.5	1.2795	SP	SP	HM218248A6/ HM218210A6	215	48.3	345	77.6	2200	3200	0.33	1.8	0.99	31	2.51	5.53
92.075	3.625	150	9.9055	35.992	1.417	36.322	1.43	27	1.063	3	6.35	598A/593X	184	41.4	286	64.3	1900	2800	0.44	1.36	0.75	34	2.37	5.22
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.302	6.35	598A/592A	232	52.2	315	70.8	1900	2800	0.44	1.36	0.75	34	2.67	5.89

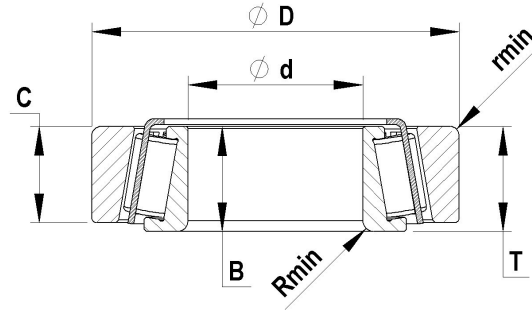
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 92.075 to 101.6 mm
(d 3.625 to 4 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm		KN	Klbf	KN	Klbf	rpm	rpm						
92.075	3.625	152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.3	3.5	598/592A	232	52.2	315	70.8	1900	2800	0.44	1.36	0.75	34	2.66	5.86
		180.975	7.125	47.625	1.875	48.006	1.89	38.1	1.5	3.3	3.5	778/772	288	64.7	435	97.8	1900	2800	0.39	1.56	0.86	44	5.55	12.24
95*	3.7402	150*	5.9055	35	1.3780	34	1.3386	27	1.0630	2.5	3	JM719149/JM719113	187	42.0	290	65.2	1900	2800	0.44	1.4	0.75	33	2.23	4.92
95.25	3.75	147.638	5.8125	35.717	1.4062	36.322	1.43	26.192	1.0312	0.8	5	594A/592XE	228	51.3	310	69.7	1900	2800	0.44	1.39	0.75	34	2.13	4.70
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.302	5.08	594A/592A	228	51.3	310	69.7	1900	2800	0.44	1.36	0.75	34	2.54	5.60
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.302	5.08	594A/592A	228	51.3	310	69.7	1900	2800	0.44	1.36	0.75	34	2.54	5.60
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.3	3.5	594/592A	207	46.5	169	38.0	1900	2800	0.44	1.36	0.75	34	2.54	5.60
		152.4	6	39.688	1.5625	36.322	1.43	30.162	1.1875	3.3	8	594R/592A	207	46.5	169	38.0	1900	2800	0.44	1.36	0.75	34	2.52	5.56
		168.275	6.625	41.275	1.625	41.275	1.625	30.162	1.1875	3.3	3.5	683/672	221	49.7	350	78.7	1900	2800	0.48	1.25	0.7	38	3.75	8.27
96.838	3.8125	148.43	5.8437	28.575	1.125	28.971	1.1406	21.433	0.8438	3	3.5	42381/42584	146	32.8	230	51.7	1900	2800	0.49	1.22	0.67	32	1.68	3.70
		188.912	7.4375	50.8	2	46.038	1.8125	31.75	1.25	3.3	3.5	90381/90744	270	60.7	345	77.6	1900	2800	0.87	0.69	0.38	62	5.63	12.41
99.975	3.936	212.725	8.375	66.675	2.625	66.675	2.625	53.975	2.125	3.3	3.5	HH224334/HH224310	600	134.9	830	186.6	1900	2800	0.33	1.84	1.01	54	11.20	24.69
100*	3.9370	145*	5.7087	24	0.9449	22.5	0.8858	17.5	0.6890	5	3	JP10049A/JP10010	116	26.1	171	38.4	1900	2800	0.47	1.27	0.7	30	1.13	2.49
		155*	6.1024	36	1.4173	35	1.3780	28	1.1024	2.5	3	JM720249/JM720210	231	51.9	260	58.5	1900	2800	0.47	1.27	0.7	36	2.34	5.16
		157*	6.1811	42	1.6535	42	1.6535	34	1.3386	SP	SP	HM220149A6/ HM220110A6	253	56.9	400	89.9	1900	2800	0.33	1.8	0.99	33	2.89	6.37
101.6	4	157.162	6.1875	36.512	1.4375	36.116	1.4219	26.195	1.0313	3.3	3.5	52400/52618	193	43.4	315	70.8	2000	2800	0.47	1.3	0.69	36	2.48	5.47
		168.275	6.625	41.275	1.625	41.275	1.625	30.162	1.1875	3.3	3.5	687/672	205	46.1	350	78.7	2000	2800	0.47	1.28	0.7	38	3.43	7.56
		190.5	7.5	57.15	2.25	57.531	2.265	44.45	1.75	3.3	8	861/854	380	85.4	555	124.8	1900	2600	0.33	1.8	0.99	42	6.80	14.99

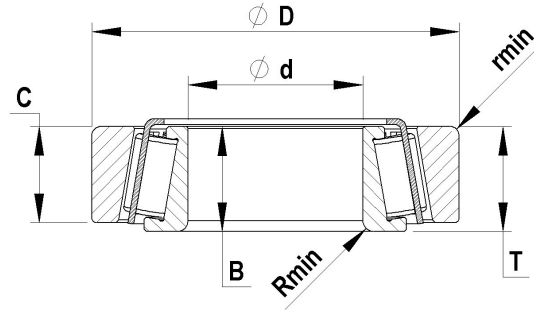
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 101.6 to 114.3 mm
(d 4 to 4.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
101.6	4	190.5	7.5	57.15	2.25	57.531	2.265	46.038	1.8125	3.3	8	HH221449/HH221410	445	100.0	610	137.1	1800	2600	0.33	1.79	0.99	24	7.87	17.35
		212.725	8.375	66.675	2.625	66.675	2.625	53.975	2.125	3.3	7	HH224335/HH224310	655	147.3	900	202.3	1800	2600	0.33	1.84	1.01	48	11.10	24.47
		212.725	8.375	66.675	2.625	66.675	2.265	53.975	2.125	3.3	7	941/932	450	101.2	675	151.8	1800	2600	0.33	1.84	1.01	48	11.00	24.25
		250.825	9.875	76.2	3	73.025	2.875	50.8	2	6.4	6.4	HH923649/HH923610	550	123.7	695	156.3	1400	1900	0.71	0.85	0.47	85	17.60	38.80
104.775	4.125	180.975	7.125	47.625	1.875	48.006	1.89	38.1	1.5	3.3	7	787/772	288	64.7	435	97.8	2000	2600	0.39	1.6	0.86	39	4.78	10.54
		180.975	7.125	47.625	1.875	48.006	1.89	38.1	1.5	3.3	3.5	782/772	288	64.7	435	97.8	2000	2600	0.39	1.56	0.86	39	4.81	10.60
		180.975	7.125	47.625	1.875	48.006	1.89	38.1	1.5	3.3	6.4	786/772	288	64.7	435	97.8	2000	2600	0.39	1.56	0.86	39	4.79	10.56
107.95	4.25	146.05	5.75	21.433	0.8438	21.433	0.8438	16.67	0.6563	1.5	1.5	L521949/L521910	106	23.8	180	40.5	1900	2800	0.39	1.54	0.85	26	0.99	2.19
107.95	4.25	158.75	6.25	23.02	0.9063	21.438	0.844	15.875	0.625	3.3	3.5	37425/37625	107	24.1	174	39.1	1900	2800	0.61	0.99	0.54	39	1.36	3.00
		165.1	6.5	36.512	1.4375	36.512	1.4375	26.988	1.0625	3.3	3.5	56425/56650	198	44.5	330	74.2	1900	2800	0.5	1.2	0.7	38	2.67	5.89
109.538	4.3125	158.75	6.25	23.02	0.9063	21.438	0.844	15.875	0.625	3.3	5	37431A/37625	107	24.1	174	39.1	1900	2800	0.61	0.99	0.54	39	1.32	2.91
110*	4.3307	165*	6.4961	35	1.3780	35	1.3780	26.5	1.0433	2.5	3	JM822049/JM822010	195	43.8	320	71.9	1900	2800	0.5	1.21	0.66	39	2.63	5.80
		180*	7.0866	47	1.8504	46	1.8110	38	1.4961	2.5	3	JHM522649/JHM522610	320	71.9	510	114.7	1900	2800	0.41	1.48	0.81	40	4.56	10.05
		165*	6.4961	35	1.3780	35	1.3780	26.5	1.0433	3	2.5	M822049/M822010	211	47.4	360	80.9	1900	2800	0.5	1.2	0.66	38	2.63	5.80
		180*	7.0866	47	1.8504	46	1.8110	38	1.4961	2.5	3	JHM522649/JHM522610	320	71.9	510	114.7	1900	2800	0.41	1.48	0.81	40	4.56	10.05
114.3	4.5	177.8	7	41.275	1.625	41.275	1.625	30.162	1.1875	3.3	3.5	64450/64700	250	56.2	400	89.9	1900	2800	0.52	1.23	0.64	43	3.50	7.72
		190.5	7.5	47.625	1.875	49.212	1.9375	34.925	1.375	3.3	3.5	71450/71750	305	68.6	480	107.9	1900	2800	0.41	1.48	0.81	41	5.26	11.60
		212.725	8.375	66.675	2.625	66.675	2.625	53.957	2.1243	3.3	7	938/932	450	101.2	675	151.8	1700	2400	0.33	1.8	1	47	9.95	21.94

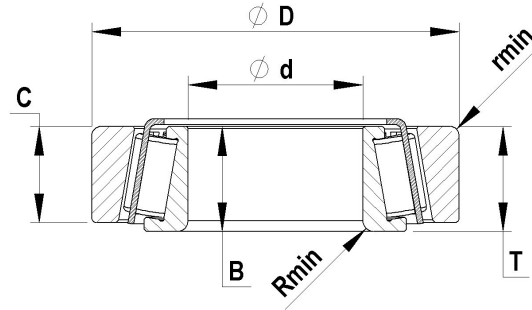
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 114.3 to 139.7 mm
(d 4.5 to 5.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
114.3	4.5	228.6	9	53.975	2.125	49.428	1.946	38.1	1.5	3.3	3.5	400	89.9	590	132.6	1700	2400	0.74	0.81	0.45	69	9.78	21.56	
114.976	4.5266	180.975	7.125	41.275	1.625	41.275	1.625	30.162	1.1875	3.3	9	250	56.2	400	89.9	1900	2800	0.52	1.15	0.63	43	3.53	7.78	
117.8	4.6378	247.65	9.75	47.625	1.875	47.625	1.875	38.1	1.5	3.3	10.5	420	94.4	520	116.9	1600	2300	0.44	1.36	0.75	52	6.82	15.04	
120*	4.7244	170*	6.6929	27	1.0630	25	0.9843	19.5	0.7677	3	3	155	34.8	243	54.6	1900	2800	0.47	1.3	0.69	35	1.75	3.86	
120.65	4.75	206.375	8.125	47.625	1.875	47.625	1.875	34.925	1.375	3.3	3.3	795/792	330	74.2	550	123.7	1600	2200	0.46	1.3	0.72	46	6.28	13.85
		273.05	10.75	82.55	3.25	82.55	3.25	53.975	2.125	6.4	6.4	HH926749/HH926710	815	183.2	940	211.3	1700	2400	0.63	0.95	0.52	76	22.10	48.72
		182.562	7.1875	39.688	1.5625	38.1	1.5	33.338	1.3125	3.3	3.5	48282/48220	228	51.3	430	96.7	1700	2400	0.3	2	1.1	34	3.56	7.85
127	5	182.562	7.1875	39.688	1.5625	38.1	1.5	33.338	1.3125	3.3	3.5	48290/48220	228	51.3	430	96.7	1700	2400	0.3	2	1.1	34	3.20	7.05
		182.562	7.1875	39.688	1.5625	38.1	1.5	33.338	1.3125	3.3	3.5	48290/48220	240	54.0	430	96.7	1700	2400	0.3	2	1.1	34	3.20	7.05
		234.95	9.25	63.5	2.5	63.5	2.5	49.212	1.9375	3.3	6.4	95500/95925	515	115.8	810	182.1	1700	2400	0.37	1.62	0.89	51	11.60	25.57
		228.6	9	53.975	2.125	49.428	1.946	38.1	1.5	3.3	3.5	HM926747/HM926710	400	89.9	590	132.6	1700	2400	0.74	0.81	0.45	68	8.88	19.58
128.588	5.0625	206.375	8.125	47.625	1.875	47.625	1.875	34.925	1.375	3.3	3.3	799/792	330	74.2	550	123.7	1600	2200	0.46	1.3	0.72	46	5.70	12.57
130.175	5.125	196.85	7.75	46.038	1.8125	46.038	1.8125	38.1	1.5	3.3	3.5	67389/67322	330	74.2	590	132.6	1600	2200	0.34	1.74	0.96	40	4.96	10.93
133.35	5.25	196.85	7.75	46.038	1.8125	46.038	1.8125	38.1	1.5	3.3	3.5	67390/67322	380	85.4	420	94.4	1600	2200	0.34	1.74	0.96	40	4.71	10.38
		234.95	9.25	63.5	2.5	63.5	2.5	49.212	1.9375	3.3	9.7	95525/95925	515	115.8	810	182.1	1500	2000	0.37	1.62	0.89	51	11.10	24.47
139.7	5.5	228.6	9	57.15	2.25	57.15	2.25	44.45	1.75	3.3	3.5	898/892	370	83.2	680	152.9	1400	1900	0.42	1.43	0.79	50	8.85	19.51
		236.538	9.3125	57.15	2.25	56.642	2.23	44.45	1.75	3.3	3.5	HM231132/HM231110	510	114.7	810	182.1	1400	1900	0.31	1.9	1.1	45	10.10	22.27
		254	10	66.675	2.625	66.675	2.625	47.625	1.875	3.3	7	99550/99100	715	160.7	1100	247.3	1400	1900	0.41	1.47	0.81	54	14.00	30.86

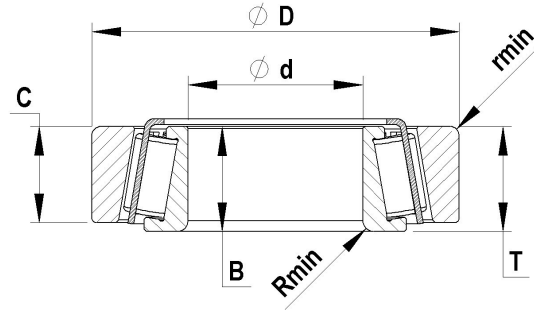
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 146.05 to 174.625 mm
(d 5.75 to 6.875 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.		
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb	
mm	in	mm	in	mm	in	mm	in	mm	in	mm	in	KN	Klbf	KN	Klbf	rpm	rpm								
146.05	5.75	193.675	7.625	28.575	1.125	28.575	1.125	23.02	0.9063	1.5	1.5	36690/36620B		186	41.8	370	83.2	1600	2200	0.37	1.6	0.9	34	2.22	4.89
		304.8	12	88.9	3.5	82.55	3.25	57.15	2.25	6.4	6.4	HH932145/HH932110		835	187.7	1140	256.3	1100	1600	0.73	0.82	0.45	105	28.30	62.39
152.4	6	222.25	8.75	46.83	1.8437	46.83	1.8437	34.925	1.375	1.5	3.5	M231649/M231610		263	59.1	540	121.4	1100	1600	0.33	1.8	0.99	28	5.76	12.70
		254	10	66.675	2.625	66.675	2.625	47.625	1.875	3.3	7	99600/99100		595	133.8	930	209.1	1100	1600	0.41	1.5	0.81	55	12.50	27.56
		268.288	10.563	74.612	2.9375	74.612	2.9375	57.15	2.25	6.4	6.4	EE107060/107105		670	150.6	1070	240.6	1200	1700	0.39	1.55	0.85	58	16.80	37.04
		268.288	10.563	74.612	2.9375	74.612	2.9375	57.15	2.25	6.4	6.4	EE107060/107105		670	150.6	1070	240.6	1200	1700	0.39	1.55	0.85	58	16.80	37.04
		307.975	12.125	88.9	3.5	93.662	3.6875	66.675	2.625	6.8	9.7	HH234048/HH234010		1190	267.5	1350	303.5	1100	1600	0.33	1.84	1.01	63	30.90	68.12
158.75	6.25	225.425	8.875	41.275	1.625	39.688	1.5625	33.338	1.3125	3.3	3.5	46780/46720		261	58.7	440	98.9	1100	1600	0.38	1.57	0.86	44	5.24	11.55
165.1	6.5	225.425	8.875	41.275	1.625	39.688	1.5625	33.338	1.3125	3.3	3.5	46790/46720		261	58.7	565	127.0	1100	1600	0.38	1.57	0.86	44	4.64	10.23
		247.65	9.75	47.625	1.875	47.625	1.875	38.1	1.5	3.3	3.5	67780/67720		415	93.3	520	116.9	1000	1400	0.44	1.36	0.75	52	8.16	17.99
		288.925	11.375	63.5	2.5	63.5	2.5	47.625	1.875	7	3.3	HM237535/HM237510		625	140.5	670	150.6	1100	1600	0.32	1.88	1.04	52	16.80	37.04
		336.55	13.25	92.075	3.625	95.25	3.75	69.85	2.75	6.4	3.3	HH437549/HH437510		1320	296.8	1500	337.2	900	1300	0.37	1.6	0.88	72	37.40	82.45
170*	6.6929	230*	9.0551	39	1.5354	38	1.4961	31	1.2205	2.5	3	JHM534149/JHM534110		289	65.0	550	123.7	1100	1600	0.38	1.57	0.86	44	4.45	9.81
		240*	9.4488	46	1.8110	44.5	1.7520	37	1.4567	2.5	3	JM734449/JM734410		355	79.8	675	151.8	1000	1400	0.44	1.37	0.75	49	6.28	13.85
		240*	9.4488	46	1.8110	44.5	1.7520	37	1.4567	2.5	3	JM734449/JM734410		355	79.8	675	151.8	1000	1400	0.44	1.37	0.75	52	6.28	13.85
174.625	6.875	288.925	11.375	63.5	2.5	63.5	2.5	47.625	1.875	3.3	7	HM237542/HM237510		815	183.2	850	191.1	1000	1400	0.33	1.84	1.01	54	16.90	37.26
		288.925	11.375	63.5	2.5	63.5	2.5	47.625	1.875	3.3	7	HM237545/HM237510		815	183.2	850	191.1	1000	1400	0.33	1.84	1.01	54	16.90	37.26

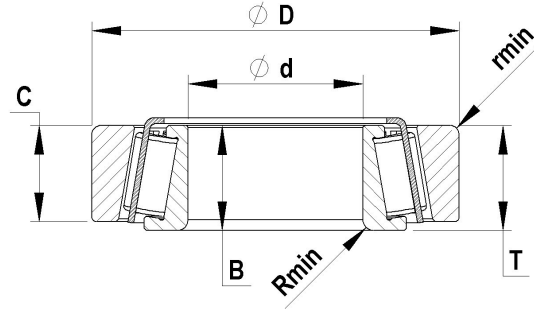
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 177.8 to 191.237 mm
(d 7 to 7.529 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
177.8	7	247.65	9.75	47.625	1.875	47.625	1.875	38.1	1.5	3.3	3.5	67790/67720	415	93.3	520	116.9	1000	1400	0.44	1.36	0.75	52	7.12	15.70
		260.35	10.25	53.975	2.125	53.975	2.125	41.275	1.625	3.3	3.5	M236849/M236810	430	96.7	840	188.8	1000	1400	0.33	1.8	0.99	47	9.08	20.02
		260.35	10.25	53.975	2.125	53.975	2.125	41.275	1.625	3.3	3.5	M236849/M236810	430	96.7	840	188.8	1000	1400	0.33	1.8	0.99	47	9.08	20.02
		288.925	11.375	63.5	2.5	63.5	2.5	47.625	1.875	3.3	7	HM237545/HM237510	815	183.2	850	191.1	900	1300	0.33	1.84	1.01	54	16.70	36.82
		319.964	12.597	88.9	3.5	85.725	3.375	65.088	2.5625	4.8	3.5	H239640/H239610	930	209.1	1420	319.2	1000	1400	0.32	1.88	1.04	65	28.20	62.17
		428.628	16.8751	106.362	4.1875	95.25	3.75	61.912	2.4375	6.4	6.4	EE350701/351687	1320	296.8	1840	413.7	900	1000	0.76	0.82	0.43	121	68.10	150.2
178.595	7.0313	265.112	10.4375	51.595	2.0313	57.15	2.25	38.895	1.5313	3.3	3.3	M336948/M336912	485	109.0	870	195.6	1000	1400	0.33	1.8	1	47	9.75	21.50
179.934	7.084	265.112	10.4375	51.595	2.0313	57.15	2.25	38.895	1.5313	3.3	3.3	M336949/M336912	485	109.0	870	195.6	1000	1400	0.33	1.8	1	47	9.55	21.05
180*	7.0866	250*	9.8425	47	1.8504	45	1.7717	37	1.4567	3	2.5	JM736149/JM736110	400	89.9	780	175.4	900	1000	0.48	1.25	0.69	56	6.80	14.99
184.15	7.25	266.7	10.5	47.625	1.875	46.833	1.8438	38.1	1.5	3.3	3.5	67883CL4/67820CL4	485	109.0	520	116.9	900	1000	0.33	1.81	1	46	8.34	18.39
		280	11.0236	46.525	1.8317	46.833	1.8438	36	1.4173	3.3	3.5	67883/67830	360	80.9	760	170.9	900	1000	0.48	1.26	0.69	58	10.10	22.27
187.325	7.375	269.875	10.625	55.562	2.1875	55.562	2.1875	42.862	1.6875	3.3	3.5	M238849/M238810	425	95.5	860	193.3	900	1000	0.33	1.81	1	49	9.63	21.23
		282.575	11.125	50.8	2	47.625	1.875	36.512	1.4375	3.3	3.5	87737/87111	395	88.8	690	155.1	900	1000	0.43	1.4	0.8	55	9.95	21.94
190.475	7.499	279.4	11	52.388	2.0625	57.15	2.25	41.275	1.625	3.3	3.3	M239449/M239410	515	115.8	985	221.4	900	1000	0.35	1.7	0.9	49	9.80	21.61
190.5	7.5	266.7	10.5	47.625	1.875	46.833	1.8438	38.1	1.5	3.3	3.5	67885/67820	345	77.6	725	163.0	1100	1500	0.48	1.3	0.69	58	8.04	17.73
		365.049	14.372	92.075	3.625	88.897	3.4999	63.5	2.5	3.3	6.4	EE420751/421437	990	222.6	1460	328.2	900	1000	0.4	1.6	0.83	79	39.30	86.64
191.237	7.529	279.4	11	52.388	2.0625	58.738	2.3125	41.275	1.625	3.3	3.3	M239448A/M239410	515	115.8	985	221.4	900	1000	0.35	1.7	0.9	49	9.55	21.05
		241.3	9.5	23.812	0.9375	23.017	0.9062	17.462	0.6875	1.5	1.5	LL639249/LL639210	160	36.0	330	74.2	1200	1700	0.43	1.4	0.8	41	2.10	4.63

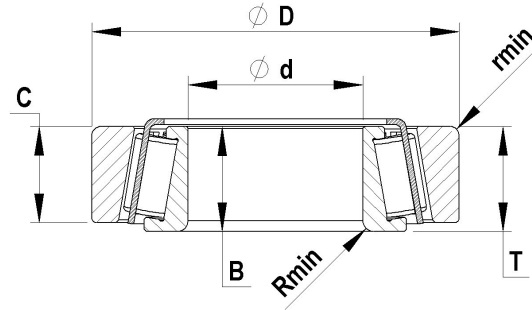
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 196.85 to 231.775 mm
(d 7.75 to 9.125 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm		KN	Klbf	KN	Klbf	rpm	rpm						
196.85	7.75	257.175	10.125	39.688	1.5625	39.688	1.5625	30.162	1.1875	3.3	3.5	LM739749/LM739710	275	61.8	635	142.8	1100	1600	0.44	1.35	0.8	50	5.20	11.46
		317.5	12.5	63.5	2.5	63.5	2.5	46.038	1.8125	3.3	4.3	93775/93125	605	136.0	1130	254.0	850	1200	0.52	1.15	0.63	73	18.80	41.45
200*	7.8740	300*	11.8110	65	2.5591	62	2.4409	51	2.0079	2.5	3.5	JHM840449/JHM840410	615	138.3	1240	278.8	850	1200	0.52	1.15	0.63	72	15.50	34.17
200.025	7.875	276.225	10.875	42.862	1.6875	46.038	1.8125	34.133	1.3438	3.3	3.5	LM241147/LM241100	445	100.0	780	175.4	1000	1500	0.31	1.9	1.1	45	7.75	17.09
203.987	8.031	276.225	10.875	42.862	1.6875	46.038	1.8125	34.133	1.3438	3.3	3.5	LM241148/LM241100	445	100.0	780	175.4	1000	1500	0.31	1.9	1.1	45	7.35	16.20
206.375	8.125	282.575	11.125	46.038	1.8125	46.038	1.8125	36.512	1.4375	3.3	3.5	67985/67920	375	84.3	840	188.8	1000	1500	0.5	1.2	0.7	62	8.70	19.18
		336.55	13.25	98.425	3.875	100.012	3.9375	77.788	3.0625	3.3	3.3	H242649/H242610	965	217.0	1400	314.7	850	1200	0.34	1.78	0.98	52	33.00	72.75
209.55	8.25	317.5	12.5	63.5	2.5	63.5	2.5	46.038	1.8125	3.3	4.3	93825/93125	605	136.0	1130	254.0	850	1200	0.52	1.15	0.63	73	16.60	36.60
		317.5	12.5	63.5	2.5	63.5	2.5	46.038	1.8125	3.3	4.3	93825/93125	605	136.0	1130	254.0	850	1200	0.52	1.15	0.63	73	16.60	36.60
215.9	8.5	285.75	11.25	46.038	1.8125	46.038	1.8125	34.924	1.375	3.3	3.5	LM742749/LM742710	375	84.3	840	188.8	1000	1500	0.48	1.25	0.7	60	8.00	17.64
216.408	8.52	285.75	11.25	46.038	1.8125	46.038	1.8125	34.924	1.375	3.3	3.5	LM742747/LM742710	375	84.3	840	188.8	1000	1500	0.48	1.25	0.7	60	7.95	17.53
216.713	8.532	285.75	11.25	46.038	1.8125	46.038	1.8125	34.924	1.375	3.3	3.5	LM742747A/LM742710	375	84.3	840	188.8	1000	1500	0.48	1.25	0.7	60	7.95	17.53
220.662	8.6875	314.325	12.375	61.912	2.4375	61.912	2.4375	49.212	1.9375	3.3	6.4	M244249/M244210	620	139.4	1220	274.3	1000	1500	0.33	1.88	0.99	58	14.90	32.85
228.6	9	358.775	14.125	71.438	2.8125	71.438	2.8125	53.975	2.125	3.3	3.5	M249732/M249710-1	750	168.6	1500	337.2	950	1300	0.33	1.8	0.99	65	27.20	59.97
		488.95	19.25	123.825	4.875	111.125	4.375	73.025	2.875	6.4	6.4	HH949549/HH949510	1820	409.2	2490	559.8	750	1000	0.94	0.64	0.35	174	101.00	222.7
230.188	9.0625	317.5	12.5	47.625	1.875	52.388	2.0625	36.512	1.4375	3.3	3.3	LM245846/LM245810	520	116.9	985	221.4	900	1200	0.31	1.9	1.1	49	10.60	23.37
231.775	9.125	300.038	11.8125	33.338	1.3125	31.75	1.25	23.812	0.9375	3.3	3.3	544091/544118A	212	47.7	420	94.4	950	1300	0.4	1.5	0.8	49	5.40	11.90
		317.5	12.5	47.625	1.875	52.388	2.0625	36.512	1.4375	3.3	3.3	LM245848/LM245810	520	116.9	985	221.4	900	1200	0.31	1.9	1.1	49	10.60	23.37

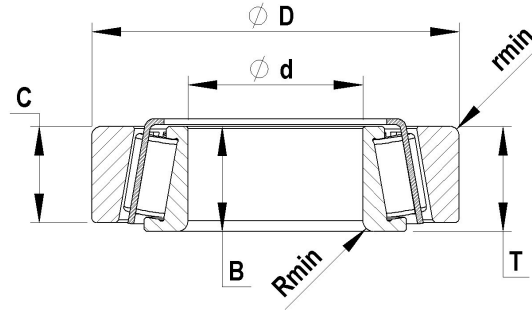
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 231.775 to 266.7 mm
(d 9.125 to 10.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Greas _e	Oil	e	Y	Y ₀	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
231.775	9.125	336.55	13.25	65.088	2.5625	65.088	2.5625	50.8	2	3.3	6.4	M246942/M246910	640	143.9	1360	305.8	850	1200	0.33	1.8	0.99	61	18.50	40.8
234.95	9.25	384.175	15.125	112.712	4.4375	112.712	4.4375	90.488	3.5625	6.4	6.4	H247549/H247510	1360	305.8	2540	571.0	750	1000	0.33	1.88	0.99	84	50.00	110.2
237.33	9.3437	336.55	13.25	65.088	2.5625	65.088	2.5625	50.8	2	3.3	6.4	M246949/M246910	640	143.9	1360	305.8	850	1200	0.33	1.8	0.99	61	17.50	38.6
241.3	9.5	444.5	17.5	101.6	4	100.012	3.9375	76.2	3	4.8	6.4	EE923095/923175	1340	301.3	2000	449.6	750	1000	0.34	1.78	0.98	83	65.90	145.3
		508	20	117.475	4.625	95.25	3.75	73.025	2.875	6.4	6.4	EE390095/390200	1340	301.3	2060	463.1	670	900	0.94	0.64	0.35	132	96.40	212.5
247.65	9.75	346.075	13.625	63.5	2.5	63.5	2.5	50.8	2	6.4	6.4	M348449/M348410	670	150.6	1310	294.5	850	1200	0.34	1.75	0.96	61	17.40	38.4
		406.4	16	115.888	4.5625	117.475	4.625	93.662	3.6875	6.4	6.4	HH249949/HH249910	1690	379.9	3200	719.4	750	1000	0.33	1.8	0.99	87	58.00	127.9
254*	10	324.975*	12.7943	39	1.5354	41.5	1.6339	28	1.1024	3.3	1.5	Jan-09	345	77.6	800	179.9	850	1200	0.56	1.07	0.59	71	8.06	17.8
		324.975*	12.7943	39	1.5354	41.5	1.6339	28	1.1024	3.3	1.5	L848849SH/L848810SH	365	82.1	800	179.9	850	1200	0.56	1.07	0.59	71	8.06	17.8
		533.4	21	133.35	5.25	120.65	4.75	77.788	3.0625	6.4	6.4	HH953749/HH953710	365	82.1	800	179.9	850	1200	0.94	0.64	0.35	179	129.00	284.4
255.6	10.063	342.9	13.5	57.15	2.25	63.5	2.5	44.45	1.75	3.3	1.5	M349547SH/M349510SH	665	149.5	1330	299.0	850	1200	0.35	1.73	0.95	59	14.40	31.7
257.175	10.125	342.9	13.5	57.15	2.25	57.15	2.25	44.45	1.75	3.3	6.4	M349549/M349510	725	163.0	880	197.8	850	1200	0.35	1.73	0.95	80	14.00	30.9
		358.775	14.125	71.438	2.8125	76.2	3	53.975	2.125	3.3	1.5	M249747SH/M249710SH	750	168.6	1520	341.7	850	1200	0.33	1.8	0.99	64	21.70	47.8
260.35	10.25	422.275	16.625	86.121	3.3906	79.771	3.1406	66.675	2.625	3.3	6.8	HM252348/HM252310	1100	247.3	1800	404.7	900	1300	0.33	1.8	0.99	78	42.80	94.4
263.525	10.375	325.438	12.8125	28.575	1.125	28.575	1.125	25.4	1	1.5	1.5	38880/38820	1280	287.8	1790	402.4	1000	1500	0.37	1.6	0.9	49	54.20	119.5
266.7	10.5	355.6	14	57.15	2.25	57.15	2.25	44.45	1.75	3.3	3.5	LM451349/LM451310	715	160.7	800	179.9	850	1200	0.36	1.67	0.92	62	15.10	33.3
		393.7	15.5	73.817	5.125	69.85	2.75	50.005	1.9687	6.4	6.4	EE275105/275155	770	173.1	1460	328.2	750	1000	0.4	1.49	0.82	75	27.80	61.3
266.7	10.5	444.5	17.5	120.65	4.75	117.475	4.625	88.9	3.5	6.4	6.4	H852849/H852810	1610	362.0	3050	685.7	670	900	0.58	1.04	0.57	121	73.10	161.2

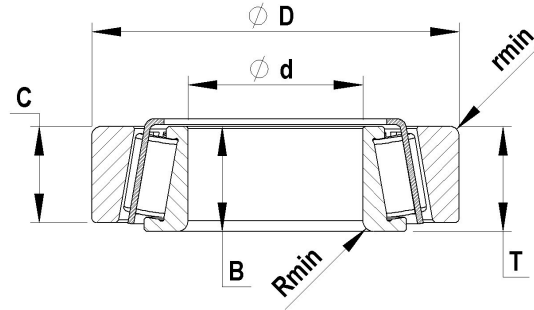
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 273.05 to 384.175 mm
(d 10.75 to 15.125 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
273.05	10.75	393.7	15.5	73.817	5.125	69.85	2.75	50.005	1.9687	6.4	6.4	EE275108/275155	770	173.1	1460	328.2	750	1000	0.4	1.49	0.82	75	26.30	58.0
288.925	11.375	406.4	16	77.788	3.0625	77.788	3.0625	60.325	2.375	3.3	6.4	M255449/M255410	1250	281.0	1900	427.2	670	900	0.34	1.78	0.98	72	30.50	67.2
292.1	11.5	374.65	14.75	47.625	1.875	47.625	1.875	34.925	1.375	3.3	3.5	L555249/L555210	1080	242.8	1590	357.5	780	1050	0.4	1.5	0.8	65	12.20	26.9
304.8	12	393.7	15.5	50.8	2	50.8	2	38.1	1.5	3.3	6.4	L357049/L357010	580	130.4	1210	272.0	670	900	0.36	1.68	0.92	64	14.60	32.2
		406.4	16	63.5	2.5	63.5	2.5	47.625	1.875	3.3	6.4	LM757049/LM757010	2200	494.6	2800	629.5	670	900	0.44	1.38	0.76	79	21.20	46.7
317.5	12.5	447.675	17.625	85.725	3.375	85.725	3.375	68.262	2.6875	3.3	3.5	HM259048/HM259010	960	215.8	2330	523.8	670	900	0.33	1.8	0.99	80	41.30	91.1
330.2	13	415.925	16.375	47.625	1.875	47.625	1.875	34.925	1.375	3.3	3.5	L860049/L860010	475	106.8	1140	256.3	670	900	0.5	1.2	0.7	83	14.30	31.5
		482.6	19	85.725	3.375	80.167	3.1562	60.325	2.375	3.5	6.4	EE526130/526190	1200	269.8	2480	557.6	600	830	0.4	1.5	0.8	90	49.20	108.5
333.375	13.125	469.9	18.5	90.488	3.5625	90.488	3.5625	71.438	2.8125	3.3	6.4	HM261049/HM261010	1320	296.8	2820	634.0	600	830	0.33	1.8	1	85	47.60	104.9
343.154	13.51	450.85	17.75	66.675	2.625	66.675	2.625	52.388	2.0625	3.5	8.5	LM361649A/LM361610	930	209.1	2180	490.1	650	850	0.35	1.7	0.9	75	28.30	62.4
346.075	13.625	488.95	19.25	95.25	3.75	95.25	3.75	74.612	2.9375	3.3	6.4	HM262749/HM262710	845	190.0	1180	265.3	600	830	0.33	1.8	1	88	55.80	123.0
355.6	14	482.6	19	60.32	2.3748	55.56	2.1874	38.1	1.5	7	7	306/355.6-1	565	127.0	1180	265.3	600	830	0.48	1.27	0.7	92	26.60	58.6
371.5	14.626	622.3	24.5	147.638	5.8125	131.762	5.1875	82.55	3.25	12.7	14.3	H961649/H961610	2300	517.1	3600	809.4	420	580	0.94	0.64	0.35	210	180.00	396.8
377.825	14.875	522.288	20.5625	85.725	3.375	84.138	3.3125	61.912	2.4375	3.3	6.4	LM565946/LM565910	1170	263.0	2580	580.0	670	900	0.38	1.56	0.86	93	51.90	114.4
380.1	14.9646	480	18.8976	50	1.9685	48.08	1.8929	35.08	1.3811	4	6	306/380.1	590	132.6	1490	335.0	560	750	0.5	1.2	0.7	93	20.80	45.9
381	15	479.425	18.875	49.212	1.9375	47.625	1.875	34.925	1.375	3.3	6.4	L865547/L865512	590	132.6	1490	335.0	560	750	0.5	1.2	0.7	92	20.40	45.0
		522.288	20.5625	85.725	3.375	84.138	3.3125	61.912	2.4375	3.3	6.4	LM565949/LM565910	1170	263.0	2580	580.0	650	870	0.38	1.56	0.86	93	51.20	112.9
384.175	15.125	546.1	21.5	104.775	4.125	104.775	4.125	82.55	3.25	6.4	6.4	HM266449/HM266410	1850	415.9	4150	933.0	530	700	0.33	1.8	1	96	77.60	171.1

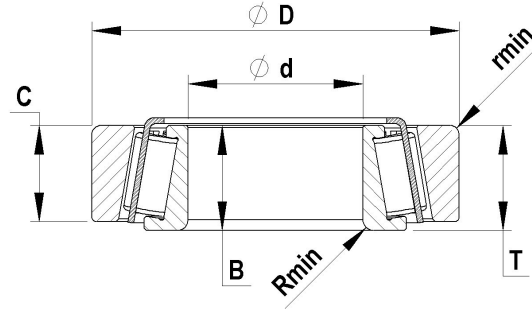
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 403.225 to 520.7 mm
(d 15.875 to 20.5 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y ₀	a		
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm					Kg	lb	
403.225	15.875	460.375	18.125	28.575	1.125	28.575	1.125	20.638	0.8125	3.3	3.5	LL566848/LL566810	240	54.0	760	170.9	560	750	0.4	1.5	0.8	70	6.73	14.8
406.4	16	546.1	21.5	76.2	3	61.12	2.4063	55.562	2.1875	6.4	6.4	EE234160/234215	840	188.8	1830	411.4	630	850	0.48	1.26	0.69	107	41.80	92.2
		549.275	21.625	85.725	3.375	84.138	3.3125	61.962	2.4394	3.3	6.4	LM567949/LM567910	1350	303.5	3000	674.5	600	800	0.4	1.5	0.8	100	54.00	119.0
		574.625	22.623	76.2	3	67.866	2.6719	50.8	2	3.3	6.8	EE285160/EE285226	920	206.8	2030	456.4	500	650	0.5	1.2	0.7	114	54.20	119.5
		762	30	180.975	7.125	161.925	6.375	107.95	4.25	12.7	12.7	H969249/H969210	3650	820.6	6050	1360.2	350	480	0.94	0.64	0.35	250	322.00	709.9
415.925	16.375	590.55	23.25	114.3	4.5	114.3	4.5	88.9	3.5	6.4	6.4	M268749/M268710	1810	406.9	4030	906.0	480	650	0.33	1.8	0.99	104	96.60	213.0
430.212	16.9375	603.25	23.75	76.2	3	73.025	2.875	50.8	2	6.4	6.4	EE241693/242375	1050	236.1	2300	517.1	480	650	0.52	1.15	0.6	122	58.60	129.2
447.625	17.623	635	25	120.65	4.75	120.65	4.75	95.25	3.75	6.4	6.4	M270749/M270710	2300	517.1	5450	1225.3	430	560	0.33	1.8	1	111	121.00	266.8
457.2	18	573.088	22.5625	74.612	2.9375	74.612	2.9375	57.15	2.25	6.4	6.4	L570649/L570610	1100	247.3	2980	670.0	480	630	0.4	1.5	0.8	101	43.80	96.6
		603.25	23.75	85.725	3.375	84.138	3.3125	60.325	2.375	3.3	6.4	LM770949/LM770910	1420	319.2	3390	762.1	450	600	0.46	1.3	0.7	115	62.00	136.7
		615.95	24.25	85.725	3.375	85.725	3.375	66.675	2.625	6.4	6.4	LM272235/LM272210	1450	326.0	3750	843.1	420	580	0.33	1.8	1	98	73.20	161.4
		660.4	26	91.28	3.5937	85.725	3.375	62.705	2.4687	6.4	10.5	EE737181/737260	1750	393.4	3600	809.4	420	580	0.37	1.6	0.9	107	91.50	201.7
482.6	19	634.873	24.995	80.962	3.1875	80.962	3.1875	63.5	2.5	3.3	6.4	EE243190/243250	1430	321.5	3600	809.4	420	580	0.35	1.7	0.9	98	60.80	134.0
488.95	19.25	634.873	24.995	84.138	3.3125	84.138	3.3125	61.912	2.4375	3.3	6.4	LM772748/LM772710	1420	319.2	3600	809.4	420	580	0.48	1.25	0.7	124	64.50	142.2
498.475	19.625	634.873	24.995	80.962	3.1875	80.962	3.1875	63.5	2.5	3.3	6.4	EE243196/243250/HE	1340	301.3	2950	663.2	420	580	0.35	1.7	0.9	98	58.30	128.5
520.7	20.5	736.6	29	88.9	3.5	81.758	3.2188	53.975	2.125	3.3	6.4	EE982051/982900	1630	366.5	3350	753.1	380	500	0.48	1.25	0.7	134	101.00	222.7

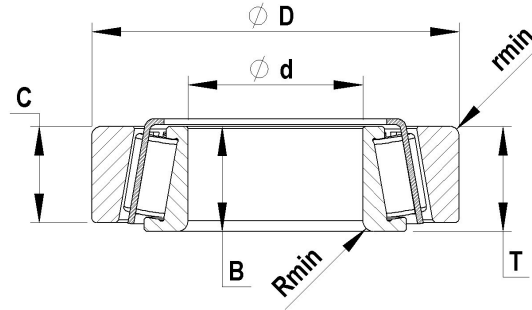
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 536.575 to 759.925 mm
(d 21.125 to 29.9183 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
536.575	21.125	761.873	29.995	146.05	5.75	146.05	5.75	114.3	4.5	6.4	6.4	M276449/M276410	3300	741.9	7950	1787.3	360	480	0.33	1.8	1	134	202.00	445.3
		820	32.2835	152	5.9843	146	5.748	112	4.4094	5	6	306/536X4	3850	865.6	7750	1742.4	340	450	0.43	1.4	0.8	161	273.00	601.9
539.75	21.25	635	25	50.8	2	50.8	2	38.1	1.5	6.4	6.4	LL575349/LL575310	780	175.4	2150	483.4	400	530	0.4	1.5	0.8	102	27.20	60.0
607.72	23.926	787.4	31	93.662	3.6875	93.662	3.6875	69.85	2.75	6.4	6.4	EE649239/649310	2200	494.6	2800	629.5	340	450	0.38	1.58	0.87	124	108.00	238.1
609.6	24	787.4	31	93.662	3.6875	93.662	3.6875	69.85	2.75	6.4	6.4	EE649240/649310	2120	476.6	5250	1180.3	340	450	0.38	1.58	0.87	124	108.00	238.1
635	25	736.6	29	57.15	2.25	53.975	2.125	41.275	1.625	3.3	3.3	80780/80720	855	192.2	2640	593.5	350	470	0.44	1.35	0.8	124	37.30	82.2
660.4	26	812.8	32	95.25	3.75	95.25	3.75	73.025	2.875	6.4	6.4	L281147/L281110	1920	431.7	5550	1247.8	310	420	0.33	1.8	1	123	106.00	233.7
660.4	26	939.8	37	136.525	5.375	127.08	5.0031	98.5	3.878	6.4	6.4	306/660.4	3700	831.8	8100	1821.0	260	360	0.4	1.5	0.8	167	288.00	634.9
		1000	39.3701	152.4	6	142.24	5.6	113.665	4.475	6.4	6.4	306/660.4-1	4300	966.7	9450	2124.6	240	340	0.43	1.4	0.8	183	411.00	906.1
679.45	26.75	901.7	35.5	142.875	5.625	142.875	5.625	111.125	4.375	6.4	9.7	LM281849/LM281810	3550	798.1	8900	2000.9	260	360	0.33	1.8	1	149	243.00	535.7
682.625	26.875	965.2	38	185.738	7.3125	185.81	7.3154	142.95	5.628	6.4	6.4	306/682 X4-2	5050	1135.3	12480	2805.8	240	340	0.33	1.8	1	169	419.00	923.7
		1080	42.5197	200	7.874	195	7.6772	142	5.5906	12	12	306/682 X4-3	6650	1495.1	13100	2945.1	200	300	0.43	1.4	0.8	209	641.00	1413.2
685.8	27	876.3	34.5	93.662	3.6875	92.075	3.625	69.85	2.75	6.4	6.4	EE655270/655345	2100	472.1	4950	1112.9	280	380	0.43	1.4	0.8	148	399.00	879.6
711.2	28	939.8	37	120.65	4.75	115.38	4.5425	73.33	2.887	6.4	6.4	306/711.2	2600	584.5	6150	1382.6	220	320	0.75	0.8	0.45	254	207.00	456.4
723.9	28.5	914.4	36	84.137	3.3125	80.962	3.1875	60.325	2.375	6.4	5.5	EE755285/755360	2000	449.6	4850	1090.4	260	360	0.37	1.6	0.9	137	116.00	255.7
749.3	29.5	990.6	39	159.5	6.2795	160.388	6.3145	123	4.8425	6.4	6.4	LM283649/LM283610	4500	1011.7	11800	2652.9	220	320	0.33	1.8	1	165	331.00	729.7
759.925	29.9183	889	35	69.85	2.75	69.85	2.75	50.8	2	3.3	3.3	LL483448/LL483418	1210	272.0	3750	843.1	260	360	0.37	1.6	0.9	132	67.20	148.2

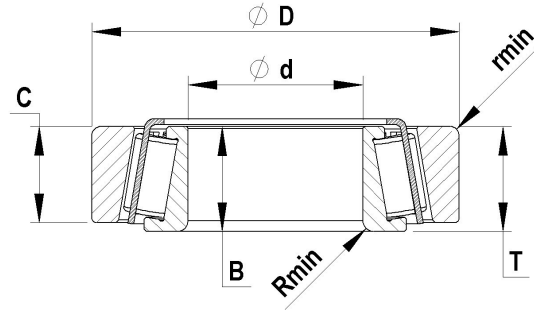
Note: * indicates the maximum value of ID and OD.

Taper Roller Bearings

TS Series



d 760 to 1016 mm
(d 29.9213 to 40 inches)



Dimensions										r _{min}	R _{min}	Part Number	Basic Load Rating				Limit Speed Ratings		Calculation Factor				Weight Approx.	
d		D		T		B		C					C _r		C _{or}		Grease	Oil	e	Y	Y _o	a	Kg	lb
mm	in	mm	in	mm	in	mm	in	mm	in	mm	mm	KN	Klbf	KN	Klbf	rpm	rpm							
760*	29.9213	889	35	88.9	3.5	88.9	3.5	72	2.8346	4	4	L183448/L183410	2200	494.6	3200	719.4	260	360	0.32	1.88	1.04	127	93.50	206.1
762	30	889	35	88.9	3.5	88.9	3.5	72	2.8346	4	4	L183449/L183410	2200	494.6	3200	719.4	260	360	0.32	1.88	1.04	127	91.90	202.6
774.7	30.5	965.2	38	93.662	3.6875	80.962	3.1875	66.675	2.625	3.3	6.4	EE752305/752380	1920	431.7	4850	1090.4	220	320	0.4	1.5	0.8	158	130.00	286.6
801.688	31.5625	914.4	36	58.738	2.3125	58.738	2.3125	41.275	1.625	3.3	3.5	LL584449/LL584410	1050	236.1	3500	786.9	240	340	0.4	1.5	0.8	137	53.60	118.2
838.2	33	1041.4	41	93.662	3.6875	88.9	3.5	66.675	2.625	6.4	6.4	EE763330/763410	1850	415.9	4750	1067.9	200	300	0.44	1.35	0.8	177	161.00	354.9
857.25	33.75	1092.2	43	120.65	4.75	111.125	4.375	76.2	3	6.4	19	EE157337/157430	2790	627.2	7300	1641.2	190	280	0.57	1.05	0.6	228	244.00	537.9
928*	36.5354	1060*	41.7323	92	3.6220	90	3.5433	76	2.9921	3.3	3.3	JL286948H/JL286910	2120	476.6	7450	1674.9	190	280	0.33	1.8	1	152	117.00	257.9
930*	36.6142	1060*	41.7323	92	3.6220	90	3.5433	76	2.9921	3.3	3.3	JL286949H/JL286910	2120	476.6	7450	1674.9	190	280	0.33	1.8	1	152	115.00	253.5
977.9	38.5	1130.3	44.5	66.675	2.625	63.5	2.5	47.625	1.875	6.4	6.4	LL687949/LL687910	1430	321.5	4300	966.7	170	240	0.44	1.35	0.8	184	101.00	222.7
1016	40	1270	50	101.6	4	101.6	4	66.675	2.625	9.7	9.7	EE168400/168500	2700	607.0	7450	1674.9	160	230	0.5	1.2	0.7	229	276.00	608.5

Note: * indicates the maximum value of ID and OD.