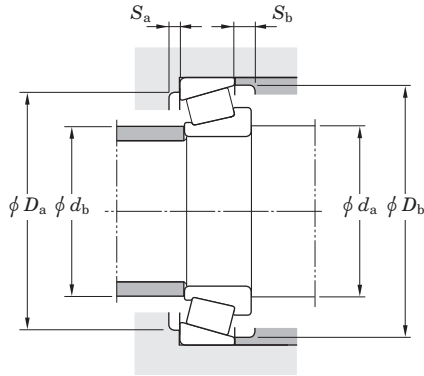
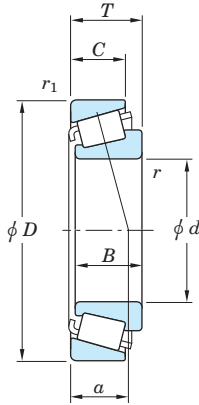


Series No.	Cone (Inner ring)	Page	Cup (Outer ring)	Page
11000R	11163R	59		
	11165XR	61		
	11165XSR	61		
11500	11590	103	11520	103
LM11700R	LM11749R	39	LM11710	39
LM11900	LM11949	39	LM11910	39
12000	12168	61	12303	61
	12175	61		
12500	12580	39	12520	39
M12600	M12648	41	M12610	41
	M12648A	41		
	M12649	41		
LM12700	LM12749	41	LM12711	41
13600	13682	53	13620	53,55
	13685	55	13621	55
	13686	55	13624	55
	13687	55		
13800	13889	55	13830	55,57
	13892	57	13836	55
14000	14116	47	14274	45,47
	14117A	45	14274A	45,47,49,51
	14118	45	14276	45,51
	14118A	45	14277	49
	14120A	45	14283	45
	14123A	47		
	14125	47		
	14130	49		
	14131	49		
	14136A	51		
	14137A	51		
	14138A	51		
	14139	51		
15000	15100	41,43	15243	41
	15101	41,43	15245	41,43,45,47
	15102	43	15250	43
	15103	43	15250R	43
	15106	43	15250X	43
	15112	43		
	15113	43		
	15116	45		
	15117	45		
	15118	47		
	15119	47		
	15120	47		
	15123	47		
	15125	47		
	15126	47		

Series No.	Cone (Inner ring)	Page	Cup (Outer ring)	Page
15500	15572	41	15520	41,43
	15578	41	15523	43
	15579X	43		
	15580	43		
	15590	43		
16000	16131	49	16282	53,55
	16137	51	16283	55
	16143	53	16284	49,51,53,55
	16150	55		
	16151	55		
17000	17098	41	17244	41,45
	17098X	41		
	17118	45		
	17118S	45		
	17119	45		
17500R	17580R	39	17520	39
17800	17887	65	17831	65
18000	18200	69	18337	69
18500	18587	57	18520	57,59
	18590	59		
	18591	59		
18600	18685	61	18620	61,65
	18690	65		
18700	18780	65	18720	65
	18790	69	18721	69
			18723	69
			18724	69
19000R	19138R	51	19268	51,53
	19143R	53	19268X	55
	19150R	55	19269	55
			19281	53,55
			19282	55
			19283	53,55
21000	21063	39	21212	39
	21075	39	21213	39
	21078	39		
L21500	L21549	39	L21511	39
23000	23092	103	23256	103
	23098	103		
	23100	103		
23600	23685	49	23620	49,51
	23690	51	23621	53
	23691	53	23623	53
24700R	24780R	59	24720	59
	24781R	59	24721	59
			24722	59

TS type
d 44.869 ~ (47.625) mm
1.7665 ~ (1.8750) inch



$P = XF_r + YF_a$ $P_0 = 0.5 F_r + Y_0 F_a$ or $P_0 = F_r$			
$F_a / F_r \leq e$		$F_a / F_r > e$	
X	Y	X	Y
1	0	0.4	Y_1

Note) The Values of “e” “Y₁” and “Y₀” are given in the table below.

Boundary dimensions														Basic load ratings (kN)		Fatigue load limit		Bearing No.		Load center		Mounting dimensions						Con- stant	Axial load factors		Reference rating (kN)		Factor		
<i>d</i>		<i>D</i>		<i>T</i>		<i>B</i>		<i>C</i>		<i>r</i> ¹⁾ (min.)		<i>r</i> ₁ ¹⁾ (min.)		<i>C</i> _r	<i>C</i> _{0r}	(kN) <i>C</i> _u		Cone (Inner ring)	Cup (Outer ring)	<i>a</i>		<i>d</i> _a		<i>d</i> _b		<i>D</i> _a		<i>D</i> _b		<i>e</i>	<i>Y</i> ₁	<i>Y</i> ₀	(500 rpm for 3 000 Hrs.)		<i>K</i>
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch	mm	inch							mm	inch	mm	inch	mm	inch	mm	inch	mm	inch				mm	inch	
44.869	1.7665	92.075	3.6250	24.608	0.9688	25.400	1.0000	19.845	0.7813	3.6	0.14	0.8	0.03	107	119	17.9		28576R	28521	19.9	0.78	59.0	2.32	53.0	2.09	83.0	3.27	87.0	3.43	0.38	1.59	0.87	24.7	15.9	1.55
44.983	1.7710	85.000	3.3465	26.988	1.0625	25.400	1.0000	22.225	0.8750	1.6	0.06	2.4	0.09	96.8	100	15.1		25584	25527	20.7	0.81	53.0	2.09	51.0	2.01	73.0	2.87	78.0	3.07	0.33	1.79	0.99	22.5	12.9	1.75
	1.7710	93.264	3.6718	30.162	1.1875	30.302	1.1930	23.812	0.9375	3.6	0.14	3.2	0.13	129	137	20.9		3776	3720	22.2	0.87	59.0	2.32	53.0	2.09	82.0	3.23	88.0	3.46	0.34	1.77	0.97	30.1	17.4	1.73
	1.7710	101.600	4.0000	34.925	1.3750	36.068	1.4200	26.988	1.0625	4.3	0.17	3.2	0.13	164	159	24.8		527S	522	22.2	0.87	61.0	2.40	53.0	2.09	89.0	3.50	95.0	3.74	0.29	2.10	1.16	38.4	18.7	2.05
45.000	1.7717	85.000	3.3465	20.638	0.8125	21.692	0.8540	17.462	0.6875	1.6	0.06	1.2	0.05	89.6	81.7	12.4		358	354A	15.5	0.61	52.5	2.07	50.0	1.97	77.0	3.03	80.0	3.15	0.31	1.96	1.08	20.7	10.8	1.91
	1.7717	85.000	3.3465	20.638	0.8125	21.692	0.8540	17.462	0.6875	3.6	0.14	1.2	0.05	89.6	81.7	12.4		358A	354A	15.5	0.61	56.5	2.22	50.0	1.97	77.0	3.03	80.0	3.15	0.31	1.96	1.08	20.7	10.8	1.91
	1.7717	90.000	3.5433	20.000	0.7874	22.225	0.8750	15.875	0.6250	2.0	0.08	2.0	0.08	92.9	87.3	13.3		367	362	15.4	0.61	55.0	2.17	51.0	2.01	81.0	3.19	84.0	3.31	0.32	1.88	1.03	21.4	11.7	1.83
	1.7717	90.119	3.5480	23.000	0.9055	21.692	0.8540	21.808	0.8586	1.6	0.06	2.4	0.09	89.6	81.7	12.4		358	352	17.8	0.70	52.5	2.07	50.0	1.97	78.0	3.07	82.0	3.23	0.31	1.96	1.08	20.7	10.8	1.91
	1.7717	100.000	3.9370	25.000	0.9842	22.225	0.8750	21.824	0.8592	0.8	0.03	2.0	0.08	105	98.5	15.1		376	372	21.5	0.85	57.0	2.24	54.0	2.13	86.0	3.39	90.0	3.54	0.34	1.77	0.97	24.1	14.0	1.73
	1.7717	100.000	3.9370	25.000	0.9842	22.225	0.8750	21.824	0.8592	2.4	0.09	2.0	0.08	105	98.5	15.1		376A	372	21.5	0.85	57.0	2.24	54.0	2.13	86.0	3.39	90.0	3.54	0.34	1.77	0.97	24.1	14.0	1.73
	1.7717	104.775	4.1250	30.162	1.1875	29.317	1.1542	24.605	0.9687	2.4	0.09	3.2	0.13	136	144	22.2		458S	453X	23.6	0.93	59.0	2.32	55.0	2.17	92.0	3.62	98.0	3.86	0.34	1.79	0.98	31.7	18.2	1.74
	1.7717	104.775	4.1250	39.688	1.5625	40.157	1.5810	33.338	1.3125	3.6	0.14	3.2	0.13	189	211	32.3		4559	4535	27.3	1.07	62.0	2.44	59.0	2.32	90.0	3.54	99.0	3.90	0.34	1.79	0.98	44.4	25.4	1.74
45.230	1.7807	79.985	3.1490	19.842	0.7812	20.638	0.8125	15.080	0.5937	2.0	0.08	1.2	0.05	69.1	70.8	10.4		17887	17831	15.9	0.63	52.0	2.05	49.5	1.95	72.0	2.83	76.0	2.99	0.37	1.64	0.90	15.9	9.95	1.60
45.237	1.7810	84.138	3.3125	30.162	1.1875	30.886	1.2160	23.812	0.9375	3.6	0.14	3.2	0.13	120	120	18.2		3586R	3520	20.5	0.81	58.0	2.28	52.0	2.05	74.0	2.91	79.5	3.13	0.31	1.96	1.08	27.9	14.6	1.91
45.242	1.7812	73.431	2.8910	19.558	0.7700	19.812	0.7800	15.748	0.6200	3.6	0.14	0.8	0.03	70.0	78.1	11.4		LM102949	LM102910	14.7	0.58	56.0	2.20	50.0	1.97	68.0	2.68	70.0	2.76	0.31	1.97	1.08	16.1	8.40	1.92
	1.7812	77.788	3.0625	19.842	0.7812	19.842	0.7812	15.080	0.5937	3.6	0.14	0.8	0.03	71.7	73.5	10.7		LM603049	LM603011	17.5	0.69	57.0	2.24	50.0	1.97	71.0	2.80	74.0	2.91	0.43	1.41	0.77	16.5	12.1	1.37
	1.7812	77.788	3.0625	21.430	0.8437	19.842	0.7812	16.667	0.6562	3.6	0.14	0.8	0.03	71.7	73.5	10.7		LM603049	LM603012	19.1	0.75	57.0	2.24	50.0	1.97	71.0	2.80	74.0	2.91	0.43	1.41	0.77	16.5	12.1	1.37
	1.7812	79.974	3.1486	19.842	0.7812	19.842	0.7812	15.080	0.5937	3.6	0.14	0.8	0.03	71.7	73.5	10.7		LM603049	LM603014	17.5	0.69	57.0	2.24	50.0	1.97	71.0	2.80	74.0	2.91	0.43	1.41	0.77	16.5	12.1	1.37
	1.7812	79.974	3.1486	21.430	0.8437	19.842	0.7812	16.667	0.6562	3.6	0.14	0.8	0.03	71.7	73.5	10.7		LM603049	LM603015	19.1	0.75	57.0	2.24	50.0	1.97	71.0	2.80	74.0	2.91	0.43	1.41	0.77	16.5	12.1	1.37
45.618	1.7960	85.000	3.3465	23.812	0.9375	25.400	1.0000	19.050	0.7500	3.6	0.14	2.4	0.09	96.8	100	15.1		25590	25526	17.5	0.69	58.0	2.28	51.0	2.01	74.0	2.91	78.0	3.07	0.33	1.79	0.99	22.5	12.9	1.75
45.987	1.8105	74.976	2.9518	18.000	0.7087	18.000	0.7087	14.000	0.5512	2.4	0.09	1.6	0.06	66.2	74.6	10.8		LM503349R	LM503310	16.0	0.63	53.0	2.09	51.0	2.01	67.0	2.64	72.0	2.83	0.40	1.49	0.82	15.2	10.4	1.46
46.038	1.8125	79.375	3.1250	17.462	0.6875	17.462	0.6875	13.495	0.5313	2.8	0.11	1.6	0.06	59.2	59.1	8.65		18690	18620	16.0	0.63	56.0	2.20	51.0	2.01	71.0	2.80	74.0	2.91	0.37	1.60	0.88	13.6	8.70	1.56
	1.8125	85.000	3.3465	17.462	0.6875	17.462	0.6875	13.495	0.5313	2.4	0.09	1.6	0.06	62.5	65.5	9.55		18780	18720	17.4	0.69	56.0	2.20	52.0	2.05	77.0	3.03	80.0	3.15	0.41	1.48	0.81	14.4	9.95	1.44
	1.8125	85.000	3.3465	20.638	0.8125	21.692	0.8540	17.462	0.6875	3.6	0.14	1.2	0.05	89.6	81.7	12.4		359A	354A	15.5	0.61	57.0	2.24	51.0	2.01	77.0	3.03	80.0	3.15	0.31	1.96	1.08	20.7	10.8	1.91
	1.8125	85.000	3.3465	20.638	0.8125	21.692	0.8540	17.462	0.6875	2.4	0.09	1.2	0.05	89.6	81.7	12.4		359S	354A	15.5	0.61	55.0	2.17	51.0	2.01	77.0	3.03	80.0	3.15	0.31	1.96	1.08	20.7	10.8	1.91
	1.8125	85.000	3.3465	25.400	1.0000	25.608	1.0082	20.638	0.8125	3.6	0.14	1.2	0.05	100	106	16.0		2984	2924	18.9	0.74	58.0	2.28	52.0	2.05	76.0	2.99	80.0	3.15	0.35	1.73	0.95	23.3	13.8	1.69
	1.8125	87.312	3.4375	26.988	1.0625	25.608	1.0082	22.225	0.8750	3.6	0.14	2.4	0.09	100	106	16.0		2984	2925	18.6	0.73	58.0	2.28	52.0	2.05	76.0	2.99	80.0	3.15	0.35	1.73	0.95	23.3	13.8	1.69
	1.8125	95.250	3.7500	27.783	1.0938	29.901	1.171																												