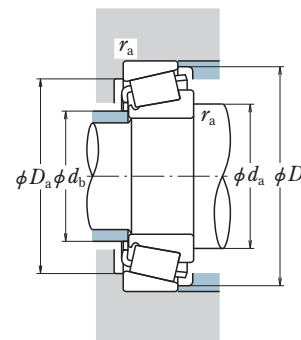
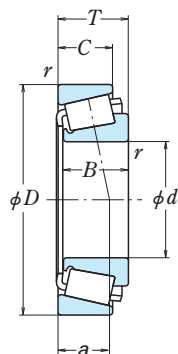


SINGLE-ROW TAPERED ROLLER BEARINGS (INCH DESIGN)

Bore Diameter 124.943 – 127.000 mm



Dynamic Equivalent Load

$$P = XF_r + YF_a$$

$F_a/F_r \leq e$		$F_a/F_r > e$	
X	Y	X	Y
1	0	0.4	Y_1

Static Equivalent Load

$$P_0 = 0.5F_r + Y_0F_a$$

When $F_r > 0.5F_r + Y_0F_a$, use $P_0 = F_r$

The values of e , Y_1 , and Y_0 are given in the table below.

d	Boundary Dimensions (mm/inch)				CONE r min.	CUP r min.	Basic Load Ratings (kN) (kgf)			
	D	T	B	C			C_r	C_{0r}	C_r	C_{0r}
124.943 4.9190	234.950 9.2500	63.500 2.5000	63.500 2.5000	49.212 1.9375	6.4	3.3	510	790	52 000	80 500
125.000 4.9213	175.000 6.8898	25.400 1.0000	25.400 1.0000	18.288 0.7200	3.3	3.3	134	232	13 700	23 600
125.298 4.9330	228.600 9.0000	53.975 2.1250	49.428 1.9460	38.100 1.5000	3.5	3.3	375	530	38 000	54 000
127.000 5.0000	165.895 6.5313	18.258 0.7188	17.462 0.6875	13.495 0.5313	1.5	1.5	84.5	149	8 650	15 200
	169.862 6.6875	25.400 1.0000	26.195 1.0313	20.638 0.8125	1.5	1.5	123	251	12 600	25 600
	180.975 7.1250	25.400 1.0000	26.195 1.0313	20.638 0.8125	1.5	1.5	123	251	12 600	25 600
	182.562 7.1875	39.688 1.5625	38.100 1.5000	33.338 1.3125	3.5	3.3	228	445	23 200	45 000
	196.850 7.7500	46.038 1.8125	46.038 1.8125	38.100 1.5000	3.5	3.3	315	560	32 000	57 500
	203.200 8.0000	46.038 1.8125	46.038 1.8125	38.100 1.5000	3.5	3.3	315	560	32 000	57 500
	215.900 8.5000	47.625 1.8750	47.625 1.8750	34.925 1.3750	3.5	3.3	287	495	29 300	50 000
	217.488 8.5625	47.625 1.8750	47.625 1.8750	34.925 1.3750	3.5	3.3	287	495	29 300	50 000
	228.600 9.0000	53.975 2.1250	49.428 1.9460	38.100 1.5000	3.5	3.3	375	530	38 000	54 000
	228.600 9.0000	53.975 2.1250	49.428 1.9460	38.100 1.5000	3.5	3.3	330	475	33 500	48 500
	234.950 9.2500	63.500 2.5000	63.500 2.5000	49.212 1.9375	6.4	3.3	505	790	51 500	80 500
	234.950 9.2500	63.500 2.5000	68.715 2.7053	49.212 1.9375	9.7	3.3	505	790	51 500	80 500

Bearing Numbers	Abutment and Fillet Dimensions (mm)				CONE r max.	CUP r max.	Eff. Load Centers (mm) a	Constant e	Axial Load Factors		Mass (kg) approx.
	d_a	d_b	D_a	D_b					Y_1	Y_0	
95491 / 95925	162	142	212	226	6.4	3.3	50.5	0.37	1.6	0.89	11.9
▲JL725346 / JL725316	141	131	160	170	3.3	3.3	34.3	0.48	1.3	0.69	1.76
HM926745 / HM926710	157	138	201	223	3.5	3.3	67.7	0.74	0.81	0.45	8.72
LL225749 / LL225710	138	133	157	161	1.5	1.5	24.2	0.33	1.8	0.99	0.93
L225849 / L225810	140	134	159	165	1.5	1.5	28.1	0.33	1.8	0.99	1.65
L225849 / L225818	140	134	165	170	1.5	1.5	28.1	0.33	1.8	0.99	2.14
48290 / 48220	145	135	167	177	3.5	3.3	34.2	0.31	2.0	1.1	3.33
67388 / 67322	150	139	180	192	3.5	3.3	39.7	0.34	1.7	0.96	5.2
67388 / 67320	150	139	183	195	3.5	3.3	39.7	0.34	1.7	0.96	5.8
74500 / 74850	157	143	195	209	3.5	3.3	48.4	0.49	1.2	0.68	6.91
74500 / 74856	157	143	196	210	3.5	3.3	48.4	0.49	1.2	0.68	7.06
HM926747 / HM926710	158	139	201	223	3.5	3.3	67.7	0.74	0.81	0.45	8.59
97500 / 97900	157	137	198	219	3.5	3.3	67.5	0.74	0.82	0.45	8.59
95500 / 95925	160	142	210	224	6.4	3.3	49.4	0.37	1.6	0.89	11.8
95502 / 95925	166	143	210	224	9.7	3.3	49.5	0.37	1.6	0.89	12

Note ▲ The tolerances are listed in tables 2 to 4 on page B 99.