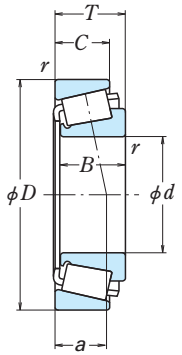
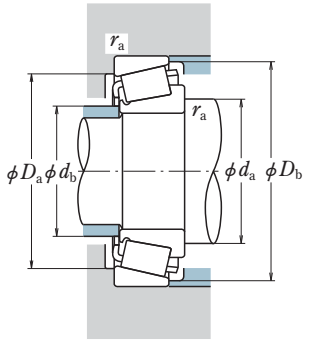
Bore Diameter 155.575 – 165.100 mm





Dynamic Equivalent Load

$P = XF_r + YF_a$

$F_a/F_r \leqq e$		$F_a/F_r > e$	
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.

Boundary Dimensions (mm/inch)							Basic Load Ratings (kN)		{kgf}		Bearing Numbers	Abutment and Fillet Dimensions (mm)						Eff. Load Centers (mm)	Constant	Axial Load Factors		Mass (kg)
d	D	T	B	C	CONE r min.	CUP r min.	C_r	C_{0r}	C_r	C_{0r}		d_a	d_b	D_a	D_b	CONE r_a max.	CUP r_a max.	a	e	Y_1	Y_0	approx.
155.575 6.1250	330.200 13.0000	85.725 3.3750	79.375 3.1250	53.975 2.1250	6.4	6.4	760	1 060	77 500	108 000	**H936340 / H936310**	209	178	283	317	6.4	6.4	103.3	0.81	0.74	0.41	32.5
	342.900 13.5000	85.725 3.3750	79.375 3.1250	53.975 2.1250	6.4	6.4	760	1 060	77 500	108 000	**H936340 / H936316**	209	178	289	323	6.4	6.4	103.3	0.81	0.74	0.41	35.3
158.750 6.2500	205.583 8.0938	23.812 0.9375	23.812 0.9375	18.258 0.7188	1.5	1.5	127	249	12 900	25 400	**L432349 / L432310**	173	167	195	200	1.5	1.5	33.9	0.39	1.5	0.84	1.99
	225.425 8.8750	41.275 1.6250	39.688 1.5625	33.338 1.3125	3.5	3.3	240	540	24 400	55 000	**46780 / 46720**	183	172	208	219	3.5	3.3	44.3	0.38	1.6	0.86	5.34
159.951 6.2973	244.475 9.6250	47.625 1.8750	50.005 1.9687	33.338 1.3125	3.5	3.3	330	510	34 000	52 000	**81629 / 81962**	182	171	225	235	3.5	3.3	42.9	0.35	1.7	0.94	6.97
160.325 6.3120	288.925 11.3750	63.500 2.5000	63.500 2.5000	47.625 1.8750	7.0	3.3	615	935	62 500	95 500	**HM237532 / HM237510**	202	183	266	278	7.0	3.3	52.7	0.32	1.9	1.0	17
161.925 6.3750	244.475 9.6250	47.625 1.8750	46.830 1.8437	33.338 1.3125	3.5	3.3	330	510	34 000	52 000	**81637 / 81962**	183	172	225	235	3.5	3.3	42.9	0.35	1.7	0.94	6.67
	374.650 14.7500	87.312 3.4375	79.375 3.1250	60.325 2.3750	6.4	3.3	855	1 090	87 000	111 000	**EE117063 / 117148**	217	188	325	355	6.4	3.3	98.6	0.71	0.85	0.47	42.2
165.100 6.5000	215.900 8.5000	26.195 1.0313	26.195 1.0313	20.638 0.8125	1.5	1.5	154	295	15 700	30 000	**L433749 / L433710**	180	173	204	210	1.5	1.5	34.5	0.36	1.7	0.91	2.45
	225.425 8.8750	41.275 1.6250	39.688 1.5625	33.338 1.3125	3.5	3.3	240	540	24 400	55 000	**46790 / 46720**	186	175	208	219	3.5	3.3	44.3	0.38	1.6	0.86	4.84
	247.650 9.7500	47.625 1.8750	47.625 1.8750	38.100 1.5000	3.5	3.3	345	705	35 500	71 500	**67780 / 67720**	194	180	228	241	3.5	3.3	52.4	0.44	1.4	0.75	8.16
	254.000 10.0000	46.038 1.8125	46.038 1.8125	33.338 1.3125	4.8	3.3	370	595	37 500	61 000	**M235145 / M235113**	191	178	235	245	4.8	3.3	41.9	0.32	1.9	1.0	7.72
	254.000 10.0000	46.038 1.8125	46.038 1.8125	33.338 1.3125	4.8	3.3	340	535	34 500	54 500	**86650 / 86100**	191	178	235	246	4.8	3.3	44.9	0.37	1.6	0.89	7.56
	288.925 11.3750	63.500 2.5000	63.500 2.5000	47.625 1.8750	7.0	3.3	615	935	62 500	95 500	**HM237535 / HM237510**	204	185	266	278	7.0	3.3	52.7	0.32	1.9	1.0	16.4
	288.925 11.3750	63.500 2.5000	63.500 2.5000	47.625 1.8750	7.0	3.3	545	940	55 500	96 000	**94649 / 94113**	206	185	261	277	7.0	3.3	62.6	0.47	1.3	0.70	17.2
	298.450 11.7500	63.500 2.5000	63.500 2.5000	47.625 1.8750	7.0	3.3	545	940	55 500	96 000	**94649 / 94118**	206	185	265	282	7.0	3.3	62.6	0.47	1.3	0.70	18.8