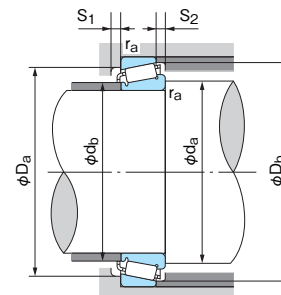
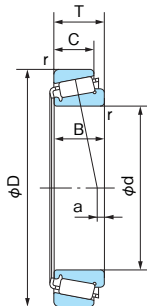


Tapered Roller Bearings

Metric Series

Bore Diameter: 120~140mm



Dynamic equivalent radial load
 $P_r = XFr + YFa$

$\frac{F_a}{F_r} \leq e$		$\frac{F_a}{F_r} > e$	
X	Y	X	Y
1	0	0.4	Y ₁

Values e and Y₁ from table.

Static equivalent radial load

Larger value of following to be used:
 $P_{0r} = 0.5Fr + Y_0Fa$
 $P_{0r} = Fr$

Values Y₀ from table.

1N=0.102kgf

Boundary dimensions (mm)							Bearing No.	(Ref.) ISO355 Dimension series	Basic dynamic load rating Cr (N)	Basic static load rating Cor (N)	Limiting speed (min ⁻¹)		Abutment and fillet dimensions (mm)								Load center (mm) a (1)	Constant e	Axial load factor		Mass(kg) Reference	Bearing No.
d	D	T	B	C	Cone r (min)	Cup r (min)					Grease lubrication	Oil lubrication	da (min)	db (max)	Da (min)	Db (min)	S ₁ (min)	S ₂ (min)	Cone ra (max)	Cup ra (max)			Y ₁	Y ₀		
120	165	29	29	23	1.5	1.5	E32924J	2CC	172000	298000	2100	2700	128.5	128	152	160	6	6	1.5	1.5	-0.4	0.35	1.72	0.95	1.77	E32924J
	180	38	38	29	2.5	2	E32024J	4DC	258000	427000	2000	2600	132	131	161	173	7	9	2	2	-0.8	0.46	1.31	0.72	3.34	E32024J
	180	48	48	38	2.5	2	E33024J	2DE	299000	540000	2000	2600	132	132	160	171	6	10	2	2	11.8	0.31	1.97	1.08	4.16	E33024J
	200	62	62	48	2.5	2	E33124J	3FE	462000	785000	1800	2400	132	133	172	192	9	14	2	2	14.2	0.40	1.51	0.83	7.73	E33124J
	215	43.5	40	34	3	2.5	E30224J	4FE	347000	473000	1700	2300	134	140	187	203	6	9.5	2.5	2	-0.7	0.44	1.38	0.76	6.36	E30224J
	215	61.5	58	50	3	2.5	E32224J	4FD	470000	691000	1700	2300	134	136	181	204	7	11.5	2.5	2	9.9	0.44	1.38	0.76	9.04	E32224J
	260	59.5	55	46	4	3	30324	—	505000	611000	1500	2000	138	152	221	239	10	13.5	3	2.5	10.6	0.35	1.73	0.96	13.7	30324
	260	59.5	55	37	4	3	30324D	—	430000	512000	1200	1700	138	145	219	239	6	21	3	2.5	-18.3	0.81	0.74	0.41	13.0	30324D
	260	90.5	86	69	4	3	E32324J	2GD	800000	1110000	1500	2000	138	148	213	239	9	21.5	3	2.5	27.8	0.35	1.74	0.96	22.2	E32324J
	260	68	62	42	4	3	E31324J	7GB	526000	665000	1300	1800	138	145	221	244	6	21	3	2.5	-13.9	0.83	0.73	0.40	15.4	E31324J
130	180	32	32	25	2	1.5	E32926J	2CC	200000	368000	1900	2500	140	141	165	174	6	7	2	1.5	0.6	0.34	1.77	0.97	2.42	E32926J
	200	45	45	34	2.5	2	E32026J	4EC	340000	563000	1800	2300	142	144	178	192	8	11	2	2	2.1	0.43	1.38	0.76	5.04	E32026J
	200	55	55	43	2.5	2	E33026J	2EE	390000	705000	1700	2300	142	143	178	192	8	12	2	2	12.5	0.34	1.76	0.97	6.19	E33026J
	230	43.75	40	34	4	3	E30226J	4FB	377000	511000	1600	2100	148	152	203	218	7	9.5	3	2.5	-2.7	0.44	1.38	0.76	7.24	E30226J
	230	67.75	64	54	4	3	E32226J	4FD	554000	830000	1600	2200	148	146	193	219	7	13.5	3	2.5	11.7	0.44	1.38	0.76	11.5	E32226J
	280	63.75	58	41	5	4	E30326D	—	536000	665000	1200	1600	152	155	240	261	7	22	4	3	-20.2	0.81	0.74	0.41	16.4	E30326D
	280	63.75	58	49	5	4	30326	—	563000	684000	1400	1800	152	164	239	255	8	14.5	4	3	10.9	0.35	1.73	0.95	16.9	30326
	280	98.75	93	78	5	4	32326	—	852000	1160000	1400	1800	152	163	226	259	10	15	4	3	29.6	0.35	1.73	0.95	26.5	32326
	280	72	66	44	5	4	E31326J	7GB	589000	748000	1200	1600	152	155	236	261	7	23	4	3	-15.3	0.83	0.73	0.40	18.9	E31326J
	140	190	32	32	25	2	1.5	E32928J	2CC	206000	390000	1800	2300	150	150	174	184	6	7	2	1.5	-1.6	0.36	1.67	0.92	2.57
210		45	45	34	2.5	2	E32028J	4DC	346000	585000	1700	2200	152	153	187	202	8	11	2	2	-0.6	0.46	1.31	0.72	5.28	E32028J
210		56	56	44	2.5	2	E33028J	2DE	406000	758000	1600	2200	152	152	186	202	7	12	2	2	10.4	0.36	1.67	0.92	6.61	E33028J
250		45.75	42	36	4	3	E30228	—	405000	538000	1500	1900	158	163	219	237	9	9.5	3	2.5	-3.4	0.43	1.39	0.77	8.9	E30228
250		71.75	68	58	4	3	E32228J	4FD	636000	961000	1500	2000	158	158	210	238	9	13.5	3	2.5	11.7	0.44	1.39	0.76	14.7	E32228J
300		67.75	62	44	5	4	30328D	—	525000	627000	1100	1500	162	169	254	280	7	23	4	3	-22.4	0.81	0.74	0.41	20.0	30328D
300		67.75	62	53	5	4	30328	—	626000	761000	1300	1700	162	179	254	273	10	14.5	4	3	12.2	0.35	1.73	0.95	20.4	30328
300		107.75	102	85	5	4	32328	—	958000	1320000	1300	1700	162	175	246	280	10	17	4	3	34.1	0.35	1.73	0.95	33.5	32328
300		77	70	47	5	4	E31328J	7GB	674000	865000	1100	1500	162	167	254	280	8	26	4	3	-16.8	0.83	0.73	0.40	23.3	E31328J

Note: (1) Minus value of load center "a" indicates that the center is located outside of cone backface.