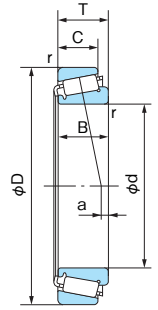
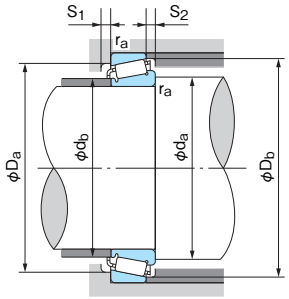
■ Tapered Roller Bearings

Metric Series

Bore Diameter: 150～180mm





■Dynamic equivalent radial load

Pr=XFr+YFa

$\frac{Fa}{Fr} \leqq e$		$\frac{Fa}{Fr} > e$	
X	Y	X	Y
1	0	0.4	Y_1

Values e and Y_1 from table.

■Static equivalent radial load

Larger value of following to be used:

Por=0.5Fr+Y_0Fa

Por=Fr

Values Y_0 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		
	210	38	38	30	2.5	2	**E32930J**	2DC	286000	536000	1600	2100	162	163	194	202	7	8	2	2	1.9	0.33	1.83	1.01	3.96	**E32930J**
	225	48	48	36	3	2.5	**E32030J**	4EC	391000	668000	1500	2000	164	164	200	216	8	12	2.5	2	–0.8	0.46	1.31	0.72	6.41	**E32030J**
	270	49	45	38	4	3	**E30230**	—	466000	625000	1300	1800	168	175	234	255	9	11	3	2.5	–2.7	0.43	1.39	0.77	10.9	**E30230**
150	270	77	73	60	4	3	**E32230J**	4GD	704000	1070000	1300	1800	168	170	226	254	8	17	3	2.5	11.8	0.44	1.38	0.76	18.2	**E32230J**
	320	72	65	46	5	4	**30330D**	—	616000	750000	970	1400	172	183	270	301	9	26	4	3	–24.0	0.81	0.74	0.41	23.9	**30330D**
	320	72	65	55	5	4	**30330**	—	717000	962000	1200	1500	172	193	272	292	12	17	4	3	10.2	0.35	1.73	0.95	25.4	**30330**
	320	114	108	90	5	4	**E32330**	—	1240000	1790000	1200	1600	172	187	263	298	10	17	4	3	35.6	0.35	1.74	0.96	42.0	**E32330**
	220	38	38	30	2.5	2	**E32932J**	2DC	295000	568000	1500	2000	172	173	204	212	7	8	2	2	–0.4	0.35	1.73	0.95	4.19	**E32932J**
	240	51	51	38	3	2.5	**E32032J**	4EC	440000	758000	1400	1900	174	175	213	231	8	13	2.5	2	–1.1	0.46	1.31	0.72	7.75	**E32032J**
	290	52	48	40	4	3	**30232**	—	483000	637000	1200	1600	178	189	252	269	8	12	3	2.5	–5.4	0.46	1.31	0.72	13.3	**30232**
160	290	84	80	67	4	3	**E32232J**	4GD	795000	1210000	1200	1700	178	182	242	274	10	17	3	2.5	13.7	0.44	1.38	0.76	23.2	**E32232J**
	340	75	68	48	5	4	**30332D**	—	742000	933000	900	1300	182	195	290	320	9	27	4	3	–26.8	0.81	0.74	0.41	29.1	**30332D**
	340	75	68	58	5	4	**30332**	—	793000	981000	1100	1400	182	205	289	310	12	17	4	3	11.5	0.35	1.73	0.95	28.7	**30332**
	340	121	114	95	5	4	**32332**	—	1220000	1720000	1100	1400	182	200	277	316	10	18	4	3	38	0.35	1.73	0.95	47.9	**32332**
	230	38	38	34	2.5	2	**E32934J**	3DC	296000	606000	1400	1900	182	183	213	222	7	8	2	2	–4.0	0.38	1.57	0.86	4.49	**E32934J**
	260	57	57	43	3	2.5	**E32034J**	4EC	526000	905000	1300	1700	184	187	230	249	10	14	2.5	2	1.2	0.44	1.35	0.74	10.5	**E32034J**
	310	57	52	43	5	4	**30234**	—	544000	726000	1100	1500	192	202	269	288	8	4	4	3	–4.8	0.46	1.31	0.72	16.5	**30234**
170	310	91	86	71	5	4	**E32234J**	4GD	1000000	1610000	1100	1500	192	195	259	294	11	20	4	3	16.1	0.44	1.38	0.76	28.8	**E32234J**
	360	80	72	50	5	4	**30334D**	—	762000	1040000	830	1200	192	211	310	333	9	30	4	3	–28.3	0.81	0.74	0.41	34.3	**30334D**
	360	80	72	62	5	4	**30334**	—	828000	1020000	1000	1300	192	218	306	329	13	18	4	3	12.3	0.35	1.73	0.95	33.0	**30334**
	360	127	120	100	5	4	**32334**	—	1310000	1830000	1000	1300	192	200	295	337	14	26	4	3	40.9	0.35	1.73	0.95	55.8	**32334**
	250	45	45	34	2.5	2	**E32936J**	4DC	357000	735000	1300	1700	192	193	225	241	8	11	2	2	–8.5	0.48	1.25	0.69	6.64	**E32936J**
	280	64	64	48	3	2.5	**E32036J**	4EC	644000	1100000	1200	1600	194	199	247	268	10	16	2.5	2	4.5	0.42	1.42	0.78	14.1	**E32036J**
	320	57	52	43	5	4	**E30236J**	4GB	615000	870000	1100	1400	202	211	278	297	9	14	4	3	–6.6	0.45	1.33	0.73	18.3	**E30236J**
180	320	91	86	71	5	4	**E32236J**	4GD	957000	1520000	1100	1500	202	204	267	303	10	20	4	3	13.2	0.45	1.33	0.73	29.9	**E32236J**
	380	83	75	52	5	4	**30336D**	—	833000	1150000	780	1100	202	225	330	351	10	31	4	3	–29.8	0.81	0.74	0.41	40.1	**30336D**
	380	83	75	64	5	4	**30336**	—	901000	1110000	940	1300	202	227	318	346	13	19	4	3	12	0.35	1.73	0.95	39.7	**30336**
	380	134	126	105	5	4	**32336**	—	1410000	1980000	960	1300	202	215	310	355	14	27	4	3	42.2	0.35	1.73	0.95	67.0	**32336**

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