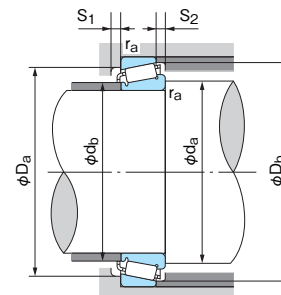
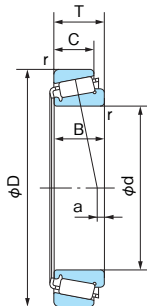


Tapered Roller Bearings

Metric Series

Bore Diameter: 190~260mm



Dynamic equivalent radial load

$$Pr = XFr + YFa$$

$\frac{Fa}{Fr} \leq e$		$\frac{Fa}{Fr} > e$	
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:

$$Por = 0.5Fr + Y_0Fa$$

$$Por = Fr$$

Values Y₀ from table.

1N=0.102kgf

d	Boundary dimensions (mm)					Cone r (min)	Cup r (min)	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	T	B	C	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			
190	260	45	45	34	2.5	2	E32938J	4DC	366000	789000	1200	1600	202	204	235	252	8	11	2	2	-10.0	0.48	1.26	0.69	6.89	E32938J	
	290	64	64	48	3	2.5	E32038J	4FD	654000	1170000	1100	1500	204	209	257	279	10	16	2.5	2	1.1	0.44	1.36	0.75	14.7	E32038J	
	340	60	55	46	5	4	E30238J	4GB	729000	1030000	1000	1400	212	225	298	318	12	13	4	3	-6.4	0.44	1.38	0.76	21.9	E30238J	
	340	97	92	75	5	4	E32238J	4GD	1090000	1740000	1000	1400	208	216	290	330	6	12	4	3	15	0.46	1.31	0.72	33.9	E32238J	
	400	86	78	52	6	5	30338D	—	950000	1210000	740	1000	218	232	350	372	11	34	5	4	-33.2	0.81	0.74	0.41	44.8	30338D	
	400	86	78	65	5	5	30338	—	1010000	1250000	880	1200	218	241	342	370	10	20	5	4	12.8	0.35	1.73	0.95	46.2	30338	
400	140	132	109	5	5	32338	—	1550000	2190000	890	1200	218	225	330	375	14	30	5	4	43.5	0.35	1.73	0.95	76.6	32338		
200	280	51	51	39	3	2.5	E32940J	3EC	486000	958000	1100	1500	214	216	257	271	9	12	2.5	2	-2.6	0.39	1.52	0.84	9.44	E32940J	
	310	70	70	53	3	2.5	E32040J	4FD	755000	1340000	1100	1400	214	221	273	297	11	17	2.5	2	3.1	0.43	1.39	0.77	19.1	E32040J	
	360	64	58	48	5	4	E30240J	4GB	792000	1120000	940	1200	222	238	315	336	12	15	4	3	-6.3	0.44	1.38	0.76	26.4	E30240J	
	360	104	98	82	5	4	E32240J	4GD	1240000	1880000	960	1300	222	225	302	340	11	22	4	3	19.4	0.41	1.48	0.81	44.2	E32240J	
	420	89	80	56	6	5	30340D	—	904000	1230000	690	970	228	248	365	385	11	33	5	4	-33.6	0.81	0.74	0.41	50.6	30340D	
	420	89	80	67	5	5	30340	—	1120000	1450000	820	1100	228	255	354	385	11	21	5	4	9.2	0.35	1.73	0.95	53.5	30340	
420	146	138	115	5	5	32340	—	1790000	2580000	830	1100	228	240	345	395	16	30	5	4	43.1	0.35	1.73	0.95	91.0	32340		
220	300	51	51	39	3	2.5	E32944J	3EC	498000	1010000	1000	1400	234	234	275	290	9	12	2.5	2	-7.6	0.43	1.41	0.78	10.1	E32944J	
	340	76	76	57	4	3	E32044J	4FD	894000	1620000	940	1300	238	243	300	326	12	19	3	2.5	3.2	0.43	1.39	0.77	25.2	E32044J	
	400	72	65	54	5	4	E30244J	—	1010000	1440000	830	1100	242	263	344	371	14	17	4	3	-4.5	0.44	1.43	0.79	35.9	E30244J	
	400	114	108	90	5	4	32244	—	1190000	1930000	830	1100	242	260	333	377	16	14	4	3	18.1	0.43	1.39	0.77	56.8	32244	
	460	97	88	73	5	5	30344	—	1260000	1680000	730	980	248	282	386	420	12	23	5	4	12.4	0.35	1.73	0.95	69.0	30344	
	460	154	145	122	5	5	32344	—	2100000	3170000	750	1000	242	267	375	423	10	18	5	4	43	0.35	1.73	0.95	108	32344	
240	320	51	51	39	3	2.5	E32948J	4EC	515000	1090000	940	1300	254	254	294	311	9	12	2.5	2	-13.5	0.46	1.31	0.72	10.9	E32948J	
	360	76	76	57	4	3	E32048J	4FD	924000	1720000	870	1300	258	261	318	346	12	19	3	2.5	-2.5	0.46	1.31	0.72	26.8	E32048J	
	440	79	72	60	5	4	E30248	—	1230000	1790000	730	980	262	287	377	409	14	18	4	3	-3.7	0.42	1.43	0.79	49.5	E30248	
	440	127	120	100	5	4	E32248	—	1830000	3010000	740	980	262	282	365	415	16	14	4	3	22	0.44	1.38	0.76	80	E32248	
	500	105	95	80	5	5	30348	—	1520000	2100000	670	890	268	308	414	445	16	21	5	4	13.3	0.35	1.73	0.95	87.3	30348	
	500	165	155	132	5	5	32348	—	2510000	3870000	670	890	268	298	413	461	16	20	5	4	47.6	0.35	1.73	0.95	144	32348	
260	360	63.5	63.5	48	3	2.5	E32952J	—	741000	1550000	830	1100	274	279	328	347	11	15.5	2.5	2	-6.1	0.41	1.48	0.81	18.9	E32952J	
	400	87	87	65	5	4	E32052J	—	1170000	2170000	770	1000	282	287	352	383	14	22	4	3	2.0	0.43	1.38	0.76	39.5	E32052J	
	480	89	80	67	6	5	30252	—	1210000	1860000	650	870	288	310	415	450	14	21	5	4	-4.6	0.42	1.44	0.79	64.9	30252	
	480	137	130	106	6	5	32252	—	1760000	2870000	660	880	288	300	400	455	16	30	5	4	21.8	0.43	1.39	0.77	102	32252	

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