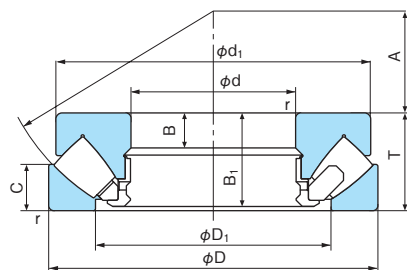
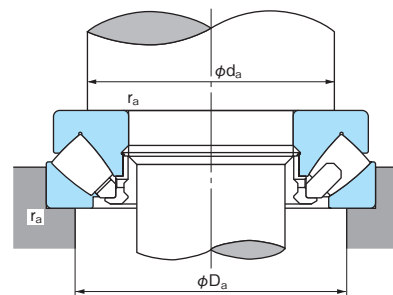


# Spherical Roller Thrust Bearings

Bore Diameter: 260~460mm



Type E



**Dynamic equivalent axial load**  
 $P_a = F_a + 1.2F_r$   
**Static equivalent axial load**  
 $P_{0a} = F_a + 2.7F_r$   
 where,  $F_a$ : Axial load  
 $F_r$ : Radial load  
 $\frac{F_r}{F_a} \leq 0.55$   
 However  $F_r/F_a \leq 0.55$  must be satisfied

1N=0.102kgf

Boundary dimensions (mm)				Bearing No.	Basic dynamic load rating $C_a$ (N)	Basic static load rating $C_{0a}$ (N)	Limiting speed (min <sup>-1</sup> )			Reference Dimensions (mm)						Abutment and fillet dimensions (mm)			Spacer dimensions (mm)		Mass (kg) (Reference)	Bearing No.
d	D	T	r (min)				Grease lubrication	Oil lubrication		$d_1$	$D_1$	B	$B_1$	C	A	$d_a$ (min)	$D_a$ (max)	$r_a$ (max)	$d_{b1}$ (max)	$d_{b2}$ (max)		
260	360	60	2.1	29252E	915000	4250000	—	1300		350	302	19	57	30	139	305	325	2.0	—	—	18.5	29252E
	420	95	5	29352E	1810000	7500000	—	860		405	329	32	91	45	148	330	365	4.0	—	—	51.5	29352E
	480	132	6	29452E	2940000	11600000	—	640		460	357	48	127	64	154	360	405	5.0	—	—	106	29452E
280	380	60	2.1	29256E	935000	4500000	—	1200		370	323	19	57	30	150	325	345	2.0	—	—	19.5	29256E
	440	95	5	29356E	1850000	7950000	—	840		423	348	32	91	46	158	350	390	4.0	—	—	54.0	29356E
	520	145	6	29456E	3450000	13500000	—	580		495	387	52	140	68	166	390	440	5.0	—	—	137	29456E
300	420	73	3	29260E	1220000	5850000	—	1000		405	353	21	69	38	162	355	380	2.5	—	—	31.0	29260E
	480	109	5	29360E	2310000	10000000	—	720		460	379	37	105	50	168	380	420	4.0	—	—	75.4	29360E
	540	145	6	29460E	3650000	14800000	—	540		515	402	52	140	70	175	410	460	5.0	—	—	146	29460E
320	440	73	3	29264E	1270000	6150000	—	980		430	372	21	69	38	172	375	400	2.5	—	—	32.8	29264E
	500	109	5	29364E	2370000	10600000	—	720		482	399	37	105	53	180	400	440	4.0	—	—	80.0	29364E
	580	155	7.5	29464E	4050000	16800000	—	480		555	435	55	149	75	191	435	495	6.0	—	—	179	29464E
340	460	73	3	29268E	1290000	6350000	—	950		445	395	21	69	37	183	395	420	2.5	—	—	34.5	29268E
	540	122	5	29368E	2850000	12400000	—	630		520	428	41	117	59	192	430	470	4.0	—	—	106	29368E
	620	170	7.5	29468E	4750000	19300000	—	430		590	462	61	164	82	201	465	530	6.0	—	—	228	29468E
360	500	85	4	29272E	1650000	8050000	—	830		485	423	25	81	44	194	420	455	3.0	—	—	50.4	29272E
	560	122	5	29372E	2900000	12900000	—	600		540	448	41	117	59	202	450	495	4.0	—	—	111	29372E
	640	170	7.5	29472E	4900000	20500000	—	410		610	480	61	164	82	210	485	550	6.0	—	—	234	29472E
380	520	85	4	29276E	1780000	8800000	—	800		505	441	27	81	42	202	440	475	3.0	—	—	52.8	29276E
	600	132	6	29376E	3400000	15300000	—	540		580	477	44	127	63	216	480	525	5.0	—	—	140	29376E
	670	175	7.5	29476E	5200000	22000000	—	400		640	504	63	168	85	230	510	575	6.0	—	—	263	29476E
400	540	85	4	29280E	1840000	9250000	—	800		526	460	27	81	42	212	460	490	3.0	—	—	55.1	29280E
	620	132	6	29380E	3550000	16300000	—	530		596	494	44	127	64	225	500	550	5.0	—	—	146	29380E
	710	185	7.5	29480E	5850000	25000000	—	360		680	534	67	178	89	236	540	610	6.0	—	—	314	29480E
420	580	95	5	29284E	2260000	11300000	—	700		564	489	30	91	46	225	490	525	4.0	—	—	74.9	29284E
	650	140	6	29384E	3900000	17900000	—	480		626	520	48	135	68	235	525	575	5.0	—	—	170	29384E
	730	185	7.5	29484E	6050000	26000000	—	360		700	556	67	178	89	244	560	630	6.0	—	—	325	29484E
440	600	95	5	29288E	2290000	11800000	—	660		585	508	30	91	49	235	510	545	4.0	—	—	79.0	29288E
	680	145	6	29388E	4050000	19000000	—	450		655	548	49	140	70	245	550	600	5.0	—	—	192	29388E
	780	206	9.5	29488E	6950000	30000000	—	300		745	588	74	199	100	260	595	670	8.0	—	—	421	29488E
460	620	95	5	29292E	2290000	11900000	—	660		605	530	30	91	46	245	530	570	4.0	—	—	80.9	29292E
	710	150	6	29392E	4600000	21700000	—	430		685	567	51	144	72	257	575	630	5.0	—	—	216	29392E
	800	206	9.5	29492E	7150000	31500000	—	290		765	608	74	199	100	272	615	690	8.0	—	—	435	29492E

Note: For heavy load application,  $d_a$  should be large enough to support the shaft washer rib.