



● Dynamic equivalent radial load

(when $\frac{F_a}{F_r} \leq e$) $P_r = F_r + Y_2 F_a$

(when $\frac{F_a}{F_r} > e$) $P_r = 0.67F_r + Y_3 F_a$

● Static equivalent radial load

$P_{0r} = F_r + Y_0 F_a$

where , $Y_0 \cong Y_2$

Boundary dimensions (mm)						Basic load ratings		Bearing No.	Design	Axial load factors		Constant e	Refer Mass(kg)
d	D	T	W	r min.	r ₁ min.	C _r (kN)	C _{or} (kN)			Y ₂	Y ₃		
410	546	400	400	4	1.5	4630	12000	47TS825540	1	2.55	3.8	0.26	255
415.925	590.55	434.975	434.975	4	1.5	6390	15600	47TS835944A	2-P	1.68	2.5	0.4	368
420	560	437	437	4	3	5620	14900	47TS845644	1	2.55	3.8	0.26	298
	574	480	480	3	1.6	6730	17800	47TS845748	1-P	2.43	3.61	0.28	352
	620	395	395	5	5	5160	11600	47TS846240	1-P	1.43	2.12	0.47	390
431.8	571.5	336.55	336.55	3.2	1.5	4440	11600	47TS865734A	2	1.68	2.5	0.4	229
440	590	480	480	4	1.5	6870	18700	47TS885948A	1-P	2.55	3.8	0.26	362
	620	454	454	4	1.5	6580	16100	47TS886245	1-P	2.03	3.02	0.33	367
	635	470	470	5	2	6870	15700	47TS886447	1	2.03	3.02	0.33	436
450	595	420	420	5	1.5	6110	16300	47TS906042	1-P	2.55	3.8	0.26	308
457.2	596.9	279.4	276.225	3.2	1.6	3760	9520	47TS916028C	2-P	1.43	2.12	0.47	191
	596.9	279.4	276.225	3.2	1.6	3300	8180	47TS916028D	2-P	0.97	1.44	0.7	187
460	620	470	470	4	1.5	7060	19300	47TS926247	1-P	2.55	3.8	0.26	412
479.425	679.45	495.3	495.3	6.4	2	8030	19600	47TS966850	1-P	2.03	3.02	0.33	562
480	700	470	470	5	1.5	8080	18800	47TS967047	1-P	2.12	3.15	0.32	621
482.6	615.95	330.2	330.2	6.4	1.6	4310	11700	4TRS19B	1-P	1.54	2.3	0.44	240
	615.95	330.2	330.2	3.2	1.6	4360	11800	4TRS19C	2	1.68	2.5	0.4	229
	615.95	330.2	330.2	3.2	1.6	4510	12400	4TRS19D	2-P	1.68	2.5	0.4	239
	615.95	385	385	6.4	1.6	5270	15000	47TS976239	1-P	2.03	3.02	0.33	278
	615.95	420	420	6.4	1.6	5090	14500	47TS976242	1	2.03	3.02	0.33	302
	615.95	425	425	6.4	1.6	5090	14500	47TS976243	1	2.03	3.02	0.33	306
	647.7	417.512	417.512	6.4	1.6	6680	17400	47TS976542A	1-P	2.03	3.02	0.33	382
488.95	622.3	365.125	365.125	6.4	1.5	4320	12200	47TS986236	1	1.68	2.5	0.4	270
492	655	480	480	5	1.5	7450	21200	47TS986648	1-P	2.03	3.02	0.33	449
509.948	654.924	379	379	6.4	1.5	5370	15200	4TRS510B	1-P	1.64	2.44	0.41	320
530	715	590	590	5	1.5	10300	28900	4TRS530A	1-P	2.55	3.8	0.26	664
	736.6	409.575	409.575	6	1.5	6850	18600	4TRS559C	1-P	1.95	2.9	0.35	475