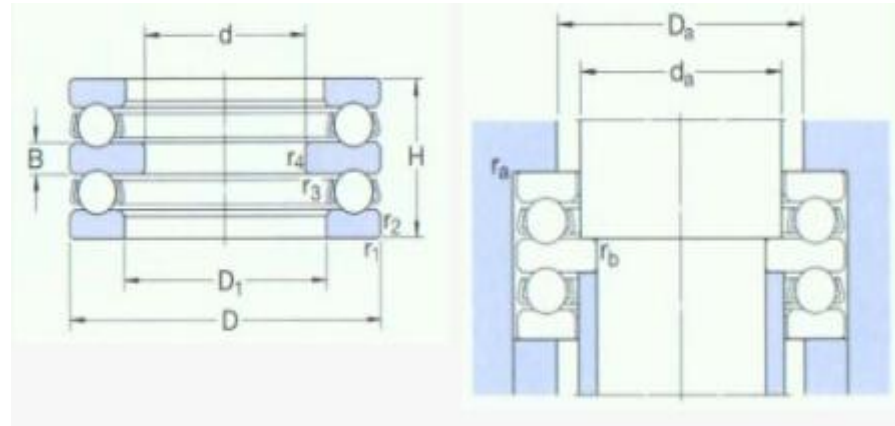


Features of Thrust Ball Bearing

1. Single direction thrust ball bearings: consist of two washers with raceways and balls guided by a cage. Washers have flat seating surfaces, and that is why they must be supported so that all balls can be evenly loaded. Bearings carry the axial load only in one direction. They are not able to carry radial forces.
2. Double direction thrust ball bearings: have two cages with balls between the central shaft washer and two housing washers with flat seating surfaces. The shaft washer has raceways on both sides and is fixed on the journal. Bearings are able to carry only axial forces in both directions.

Double way thrust ball bearing



Motion(shanghai)Industrial Development Co.,Ltd

Principal dimensions			Basic load ratings		Pu	Min Loadin g A	Speed ratings		Weight kg	Design ation	Dimensions					Abutment and fillet dimensions			
(mm)			KN				rpm	Limitin g			mm					mm			
d	D	H	dyc Cr	stc Cor							Speed Ratings	d	d ₁ ~	B	r _{1,2} Min	r _{3,4} Min	d _a	Da Max	r _a Max
15	40	26	22.5	40.5	1.53	0.0085	6000	8000	0.15	52204	15	22	6	0.6	0.3	20	28	0.6	0.3
20	47	28	27.6	55	2.04	0.015	5300	7500	0.22	52205	20	27	7	0.6	0.3	25	34	0.6	0.3
20	52	34	34.5	60	2.24	0.018	4500	6300	0.33	52305	20	27	8	1	0.3	25	36	1	0.3
20	70	52	72.8	137	5.1	0.097	3600	5000	1.00	52406	20	32	12	1	0.6	30	46	1	0.6

25	52	29	25.5	51	1.9	0.013	4800	6700	0.25	52206	25	32	7	0.6	0.3	30	39	0.6	0.3
25	60	38	37.7	71	2.65	0.026	3800	5300	0.47	52306	25	32	9	1	0.3	30	42	1	0.3
25	80	59	87.1	170	6.2	0.15	3000	4300	1.45	52407	25	37	14	1.1	0.6	35	53	1	0.6
30	62	34	35.1	73.5	2.7	0.028	4000	5600	0.41	52207	30	37	8	1	0.3	35	46	1	0.3
30	68	36	46.8	106	4	0.058	3800	5300	0.55	52208	30	42	9	1	0.6	40	51	1	0.6
30	68	44	49.4	96.5	3.55	0.048	3400	4800	0.68	52307	30	37	10	1	0.3	35	48	1	0.3
30	78	49	61.8	122	4.5	0.077	3000	4300	1.05	52308	30	42	12	1	0.6	40	55	1	0.6
30	90	65	112	224	8.3	0.26	2400	3400	2.05	52408	30	42	15	1.1	0.6	40	60	1	0.6
35	73	37	39	86.5	3.2	0.038	3600	5000	0.60	52209	35	47	9	1	0.6	45	56	1	0.6
35	85	52	76.1	153	5.6	0.12	2800	4000	1.25	52309	35	47	12	1	0.6	45	61	1	0.6
35	100	72	130	265	9.8	0.37	2200	3000	2.70	52409	35	47	17	1.1	0.6	45	67	1	0.6
40	78	39	49.4	116	4.3	0.069	3400	4500	0.71	52210	40	52	9	1	0.6	50	61	1	0.6
40	95	58	88.4	190	6.95	0.19	2600	3600	1.75	52310	40	52	14	1.1	0.6	50	68	1	0.6
45	90	45	61.8	146	5.4	0.11	2800	4000	1.10	52211	45	57	10	1	0.6	55	69	1	0.6
45	105	64	104	224	8.3	0.26	2200	3200	2.40	52311	45	57	15	1.1	0.6	55	75	1	0.6
45	120	87	178	390	14.3	0.79	1800	2400	4.70	52411	45	57	20	1.5	0.6	55	81	1.5	0.6
50	95	46	62.4	150	5.6	0.12	2200	3000	1.20	52212	50	62	10	1	0.6	60	74	1	0.6
50	110	64	101	224	8.3	0.26	1600	2200	2.55	52312	50	62	15	1.1	0.6	60	80	1	0.6
50	130	93	199	430	16	0.96	1600	2200	6.35	52412M	50	62	21	1.5	0.6	60	88	1.5	0.6
55	100	47	63.7	163	6	0.14	2600	3600	1.35	52213	55	67	10	1	0.6	65	79	1	0.6
55	105	47	65	173	6.4	0.16	2600	3600	1.50	52214	55	72	10	1	1	70	84	1	1
55	115	65	106	240	8.8	0.30	2000	3000	2.75	52313	55	67	15	1.1	0.6	65	85	1	0.6
55	125	72	135	320	11.8	0.53	1900	2600	3.65	52314	55	72	16	1.1	1	70	92	1	1
55	150	107	234	550	19.3	1.6	1400	2000	9.70	52414M	55	73	24	2	1	70	102	2	1
60	135	79	163	390	14	0.79	1700	2400	4.80	52315	60	77	18	1.5	1	75	99	1.5	1
65	115	48	76.1	208	7.65	0.22	2400	3400	1.70	52216	65	82	10	1	1	80	94	1	1
65	140	79	159	390	13.7	0.79	1700	2400	4.94	52316	65	82	18	1.5	1	80	104	1.5	1
70	125	55	97.5	275	9.8	0.39	2200	3000	2.40	52217	70	88	12	1	1	85	101	1	1
75	135	62	119	325	11.4	0.55	2000	2800	3.20	52218	75	93	14	1.1	1	90	108	1	1
85	150	67	124	345	11.4	0.62	1800	2400	4.20	52220	85	103	15	1.1	1	100	120	1	1
85	170	97	229	610	19.6	1.9	1400	1900	8.95	52320	85	103	21	1.5	1	100	128	1.5	1
95	160	67	130	390	12.5	0.79	1700	2400	4.65	52222	95	113	15	1.1	1	110	130	1	1
100	170	68	140	440	13.4	1	1600	2200	5.25	52224	100	123	15	1.1	1.1	120	140	1	1
110	190	80	186	585	17	1.8	1400	2000	8.00	52226	110	133	18	1.5	1.1	130	154	1.5	1
120	200	81	190	620	17.6	2	1400	1900	8.65	52228	120	143	18	1.5	1.1	140	164	1.5	1
130	215	89	238	800	22	3.3	1300	1800	11.5	52230M	130	153	20	1.5	1.1	150	176	1.5	1
140	225	90	242	850	22.8	3.8	1200	1700	12.0	52232M	140	163	20	1.5	1.1	160	186	1.5	1
150	240	97	286	1020	26	5.4	1100	1600	15.0	52234M	150	173	21	1.5	1.1	170	198	1.5	1
150	250	98	296	1080	27.5	6.1	1100	1500	16.0	52236M	150	183	21	1.5	2	180	208	1.5	2