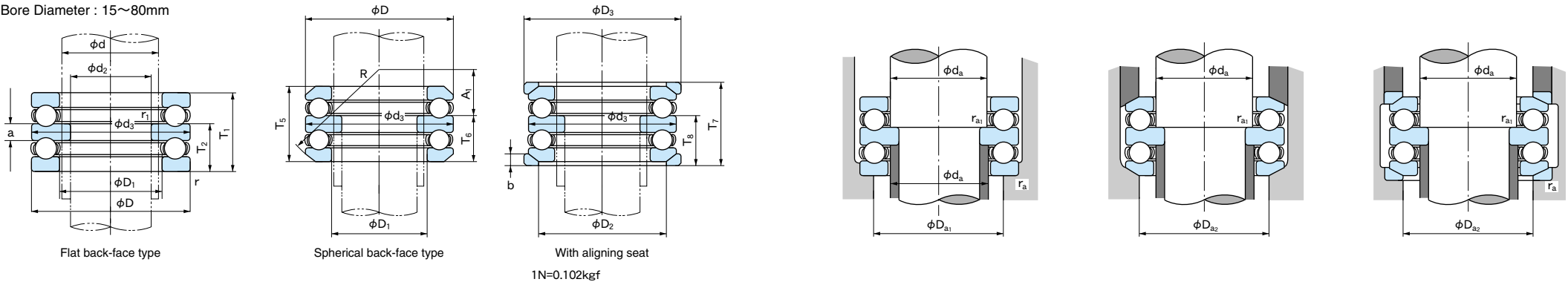


Double-direction Thrust Ball Bearings

Bore Diameter : 15~80mm



Boundary dimensions (mm)								Bearing No.			Basic dynamic load rating Ca (N)	Basic static load rating Coa (N)	Limiting speed (rpm)		Dimensions (mm)										Abutment and fillet dimensions (mm)					Mass (kg) Reference			Bearing No.	
d	d ₂	D	T ₁	T ₅	T ₇	r (min)	r ₁ (min)	Flat back face type	Spherical back face type	With aligning seat			Grease lubrication	Oil lubrication	d ₃ (max)	D ₁ (min)	D ₂	D ₃	T ₂	T ₆	T ₈	a	b	A ₁	R	d _a (min)	D _{a1} (max)	D _{a2} (max)	r _a (max)	r _{a1} (max)	Flat back face type	Spherical back face type		With aligning seat
15	10	32	22	24.6	28	0.6	0.3	52202	54202	54202U	16600	24800	5100	7600	32	17	24	35	13.5	14.8	16.5	5	4	10.5	28	15	22	24	0.6	0.3	0.085	0.090	0.116	52202
20	15	40	26	27.4	32	0.6	0.3	52204	54204	54204U	22200	37500	4200	6300	40	22	30	42	16	16.7	19	6	5	16	36	20	28	30	0.6	0.3	0.150	0.147	0.189	52204
25	20	47	28	31.4	36	0.6	0.3	52205	54205	54205U	27800	50500	3700	5600	47	27	36	50	17.5	19.2	21.5	7	5.5	16.5	40	25	34	36	0.6	0.3	0.230	0.241	0.305	52205
	20	52	34	37.6	42	1	0.3	52305	54305	54305U	35500	61500	3200	4900	52	27	38	55	21	22.8	25	8	6	18	45	25	36	38	1	0.3	0.330	0.340	0.431	52305
	15	60	45	49.8	55	1	0.6	52405	54405	54405U	55500	89500	2600	3900	60	27	42	62	28	30.4	33	11	8	15	50	25	39	42	1	0.6	0.630	0.650	0.796	52405
30	25	52	29	32.6	37	0.6	0.3	52206	54206	54206U	29300	58000	3400	5200	52	32	42	55	18	19.8	22	7	5.5	20	45	30	39	42	0.6	0.3	0.272	0.291	0.356	52206
	25	60	38	41.2	46	1	0.3	52306	54306	54306U	42500	78500	2800	4200	60	32	45	62	23.5	25.1	27.5	9	7	19.5	50	30	42	45	1	0.3	0.490	0.495	0.607	52306
	20	70	52	56.2	62	1	0.6	52406	54406	54406U	72500	126000	2200	3300	70	32	50	75	32	34.1	37	12	9	16	56	30	46	50	1	0.6	1.00	1.00	1.26	52406
35	30	62	34	37.8	42	1	0.3	52207	54207	54207U	39000	78000	2900	4400	62	37	48	65	21	22.9	25	8	7	21	50	35	46	48	1	0.3	0.420	0.431	0.550	52207
	30	68	44	47.2	52	1	0.3	52307	54307	54307U	55500	105000	2400	3700	68	37	52	72	27	28.6	31	10	7.5	21	56	35	48	52	1	0.3	0.710	0.711	0.881	52307
	25	80	59	63	69	1.1	0.6	52407	54407	54407U	87000	155000	1900	2900	80	37	58	85	36.5	38.5	41.5	14	10	18.5	64	35	53	58	1	0.6	1.44	1.43	1.78	52407
40	30	68	36	38.6	44	1	0.6	52208	54208	54208U	47000	98500	2700	4100	68	42	55	72	22.5	23.8	26.5	9	7	25	56	40	51	55	1	0.6	0.540	0.542	0.686	52208
	30	78	49	54	59	1	0.6	52308	54308	54308U	69000	135000	2200	3300	78	42	60	82	30.5	33	35.5	12	8.5	23.5	64	40	55	60	1	0.6	1.06	1.10	1.33	52308
	30	90	65	69.4	77	1.1	0.6	52408	54408	54408U	112000	205000	1700	2600	90	42	65	95	40	42.2	46	15	12	22	72	40	60	65	1	0.6	2.03	2.00	2.52	52408
45	35	73	37	39.6	45	1	0.6	52209	54209	54209U	47500	105000	2600	3900	73	47	60	78	23	24.3	27	9	7.5	23	56	45	56	60	1	0.6	0.620	0.617	0.796	52209
	35	85	52	56.2	62	1	0.6	52309	54309	54309U	80000	163000	2000	3000	85	47	65	90	32	34.1	37	12	10	21	64	45	61	65	1	0.6	1.29	1.28	1.63	52309
	35	100	72	78.8	86	1.1	0.6	52409	54409	54409U	129000	243000	1600	2400	100	47	72	105	44.5	47.9	51.5	17	12.5	23.5	80	45	67	72	1	0.6	2.71	2.76	3.40	52409
50	40	78	39	42	47	1	0.6	52210	54210	54210U	48500	112000	2400	3600	78	52	62	82	24	25.5	28	9	7.5	30.5	64	50	61	62	1	0.6	0.71	0.697	0.899	52210
	40	95	58	64.6	70	1.1	0.6	52310	54310	54310U	96500	202000	1800	2700	95	52	72	100	36	39.3	42	14	11	23	72	50	68	72	1	0.6	1.86	1.92	2.37	52310
	40	110	78	83.2	92	1.5	0.6	52410	54410	54410U	148000	283000	1400	2100	110	52	80	115	48	50.6	55	18	14	30	90	50	74	80	1.5	0.6	3.56	3.52	4.36	52410
55	45	90	45	49.6	55	1	0.6	52211	54211	54211U	69500	159000	2100	3100	90	57	72	95	27.5	29.8	32.5	10	9	32.5	72	55	69	72	1	0.6	1.12	1.14	1.54	52211
	45	105	64	72.6	78	1.1	0.6	52311	54311	54311U	120000	246000	1600	2400	105	57	80	110	39.5	43.8	46.5	15	11.5	25.5	80	55	75	80	1	0.6	2.51	2.65	3.22	52311
	45	120	87	92	101	1.5	0.6	52411	54411	54411U	178000	360000	1300	1900	120	57	88	125	53.5	56	60.5	20	15.5	22.5	90	55	81	88	1.5	0.6	4.70	4.55	5.64	52411
60	50	95	46	50	56	1	0.6	52212	54212	54212U	73500	179000	2000	3000	95	62	78	100	28	30	33	10	9	30.5	72	60	74	78	1	0.6	1.25	1.26	1.59	52212
	50	110	64	70.6	78	1.1	0.6	52312	54312	54312U	123000	267000	1600	2400	110	62	85	115	39.5	42.8	46.5	15	11.5	36.5	90	60	80	85	1	0.6	2.68	2.76	3.39	52312
	50	130	93	99	107	1.5	0.6	52412	54412	54412U	213000	435000	1200	1800	130	62	95	135	57	60	64	21	16	28	100	60	88	95	1.5	0.6	6.33	6.20	7.45	52412
65	55	100	47	50.4	57	1	0.6	52213	54213	54213U	75000	189000	1900	2800	100	67	82	105	28.5	30.2	33.5	10	9	38.5	80	65	79	82	1	0.6	1.36	1.35	1.72	52213
	55	115	65	71.8	79	1.1	0.6	52313	54313	54313U	127000	287000	1500	2300	115	67	90	120	40	43.4	47	15	12.5	34.5	90	65	85	90	1	0.6	2.90	2.98	3.67	52313
	50	140	101	109.4	119	2	1	52413	54413	54413U	231000	495000	1100	1600	140	68	100	145	62	66.2	71	23	17.5	34	112	65	95	100	2	1	8.03	8.01	9.67	52413
70	55	105	47	50.6	57	1	1	52214	54214	54214U	76000	199000	1800	2800	105	72	88	110	28.5	30.3	33.5	10	9	36.5	80	70	84	88	1	1	1.48	1.48	1.86	52214
	55	125	72	80.4	88	1.1	1	52314	54314	54314U	148000	340000	1400	2100	125	72	98	130	44	48.2	52	16	13	39	100	70	92	98	1	1	3.90	4.08	4.92	52314
	55	150	107	114.2	125	2	1	52414	54414	54414U	250000	555000	1000	1500	150	73	110	155	65.5	69.1	74.5	24	19.5	28.5	112	70	102	110	2	1	9.71	9.50	11.5	52414
75	60	110	47	49.6	57	1	1	52215	54215	54215U	77500	209000	1800	2700	110	77	92	115	28.5	29.8	33.5	10	9.5	47.5	90	75	89	92	1	1	1.57	1.53	1.96	52215
	60	135	79	87.2	95	1.5	1	52315	54315	54315U	170000	395000	1200	1900	135	77	105	140	48.5	52.6	56.5	18	15	32.5	100	75	99	105	1.5	1	4.83	4.93	6.04	52315
	60	160	115	123	135	2	1	52415	54415	54415U	252000	560000	950	1400	160	78	115	165	70.5	74.5	80.5	26	21	36.5	125	75	109	115	2	1	11.8	11.6	14.1	52415
80	65	115	48	51	58	1	1	52216	54216	54216U	78500	219000	1700	2600	115	82	98	120	29	30.5	34	10	10	45	90	80	94	98	1	1	1.69	1.67	2.11	52216
	65	140	79	86.2	95	1.5	1	52316	54316	54316U	176000	425000	1200	1800	140	82	110	145	48.5	52.1	56.5	18	15	45.5	112	80	104	110	1.5	1</				

Bore Diameter : 85~220mm ϕ D

