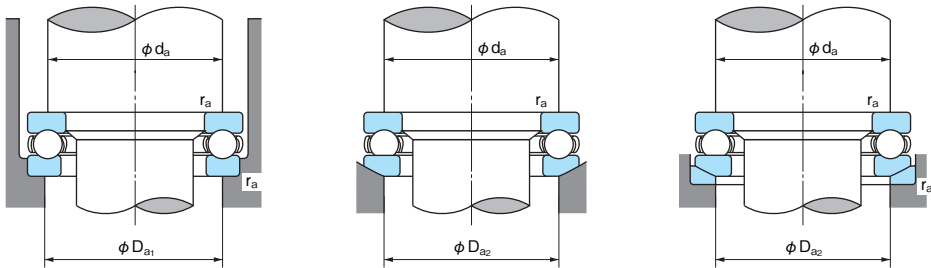
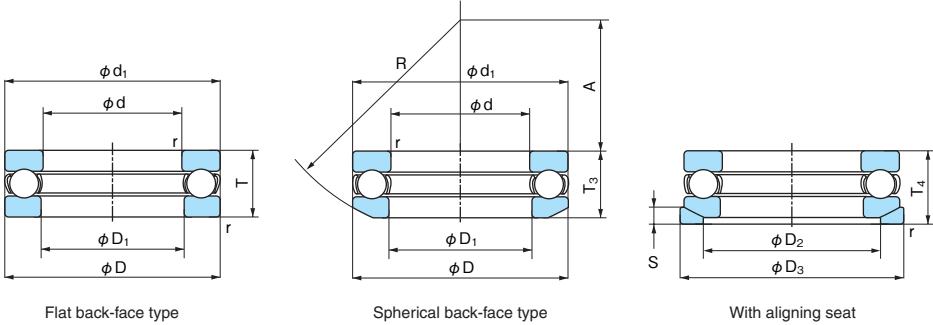


Single-direction Thrust Ball Bearings

Bore Diameter: 110~190mm



1N=0.102kgf

Boundary dimensions (mm)						Bearing No.			Basic dynamic load rating Ca (N)	Basic static load Coa (N)	Limiting speed (min ⁻¹)			Dimensions (mm)							Abutment and fillet dimensions (mm)				Mass (kg) Reference			Bearing No.
d	D	T	T3	T4	r (min)	Flat back-face type	Spherical back-face type	With aligning seal			Grease lubrication	Oil lubrication		D1 (min)	d1 (max)	D2	D3	S	R	A	da (min)	Da1 (max)	Da2 (max)	ra (max)	Flat back-face type	Spherical back-face type	With aligning seal	
110	145	25	—	—	1	51122	—	—	87000	288000	1600	2400		112	145	—	—	—	—	—	131	124	—	1	1.08	—	—	51122
	160	38	40.2	45	1.1	51222	53222	53222U	152000	450000	1200	1900		113	160	135	165	14	125	65	140	130	135	1	2.57	2.53	3.00	51222
	190	63	67.2	72	2	51322	53322	53322U	267000	705000	880	1300		113	187	150	195	20.5	140	51	158	142	150	2	7.73	7.66	8.96	51322
	230	95	99.7	109	3	51422	53422	53422U	435000	1240000	640	960		113	225	170	240	29	180	59	182	158	170	2.5	19.8	19.4	22.9	51422
120	155	25	—	—	1	51124	—	—	89000	305000	1600	2400		122	155	—	—	—	—	—	141	134	—	1	1.16	—	—	51124
	170	39	40.8	46	1.1	51224	53224	53224U	154000	470000	1200	1800		123	170	145	175	15	125	61	150	140	145	1	2.86	2.76	3.40	51224
	210	70	74.1	80	2.1	51324	53324	53324U	310000	870000	790	1100		123	205	165	220	22	160	63	174	156	165	2	10.6	10.4	12.4	51324
	250	102	107.3	118	4	51424	53424	53424U	455000	1340000	580	880		123	245	185	260	32	200	70	198	172	185	3	25.0	24.6	29.2	51424
130	170	30	—	—	1	51126	—	—	104000	350000	1300	2000		132	170	—	—	—	—	—	154	145	—	1	1.87	—	—	51126
	190	45	47.9	53	1.5	51226	53226	53226U	203000	620000	1000	1500		133	187	160	195	17	140	67	166	154	160	1.5	4.10	4.03	4.91	51226
	225	75	80.3	86	2.1	51326	53326	53326U	330000	960000	730	1100		134	220	177	235	26	160	53	187	168	177	2	12.7	12.6	15.2	51326
	270	110	115.2	128	4	51426	53426	53426U	555000	1750000	540	810		134	265	200	280	38	200	58	214	186	200	3	31.4	30.4	36.7	51426
140	180	31	—	—	1	51128	—	—	107000	375000	1300	1900		142	178	—	—	—	—	—	164	156	—	1	2.03	—	—	51128
	200	46	48.6	55	1.5	51228	53228	53228U	205000	650000	1000	1500		143	197	170	210	17	160	87	176	164	170	1.5	4.47	4.40	5.61	51228
	240	80	84.9	92	2.1	51328	53328	53328U	350000	1050000	680	1000		144	235	190	250	26	180	68	200	180	190	2	15.5	15.3	18.2	51328
	280	112	117	131	4	51428	53428	53428U	545000	1750000	520	780		144	275	206	290	38	225	83	224	196	206	3	33.9	32.9	39.9	51428
150	190	31	—	—	1	51130	—	—	109000	400000	1200	1900		152	188	—	—	—	—	—	174	166	—	1	2.16	—	—	51130
	215	50	53.3	60	1.5	51230	53230	53230U	213000	650000	940	1400		153	212	180	225	20.5	160	79	189	176	180	1.5	5.74	5.60	7.28	51230
	250	80	83.7	92	2.1	51330	53330	53330U	360000	1130000	670	1000		154	245	200	260	26	200	89.5	210	190	200	2	16.3	16.0	19.1	51330
	300	120	125.9	140	4	51430	53430	53430U	615000	2010000	480	720		154	295	225	310	41	225	69	240	210	225	3	41.6	40.5	48.5	51430
160	200	31	—	—	1	51132	—	—	112000	425000	1200	1800		162	198	—	—	—	—	—	184	176	—	1	2.27	—	—	51132
	225	51	54.7	61	1.5	51232	53232	53232U	223000	720000	900	1300		163	222	190	235	21	160	74	223	202	190	1.5	6.64	6.50	8.29	51232
	270	87	91.7	100	3	51332	53332	53332U	410000	1340000	610	920		164	265	215	280	29	200	77	226	204	215	2.5	21.0	20.5	24.5	51332
	320	130	135.3	150	5	51432	53432	53432U	680000	2410000	440	670		164	315	240	330	41.5	250	84	256	224	240	4	51.2	49.7	58.9	51432
170	215	34	—	—	1.1	51134	—	—	134000	510000	1100	1700		172	213	—	—	—	—	—	197	188	—	1	3.27	—	—	51134
	240	55	58.7	65	1.5	51234	53234	53234U	261000	835000	840	1200		173	237	200	250	21.5	180	91	212	198	200	1.5	8.13	7.89	9.95	51234
	280	87	91.3	100	3	51334	53334	53334U	420000	1430000	600	900		174	275	220	290	29	225	105	230	210	220	2.5	22.0	21.3	25.7	51334
	340	135	141	156	5	51434	53434	53434U	755000	2730000	420	630		174	335	255	350	46	250	74	272	238	255	4	60.1	58.1	69.1	51434
180	225	34	—	—	1.1	51136	—	—	135000	525000	1100	1600		183	222	—	—	—	—	—	207	198	—	1	3.37	—	—	51136
	250	56	58.2	66	1.5	51236	53236	53236U	266000	875000	810	1200		183	247	210	260	21.5	200	112	222	208	210	1.5	8.69	8.26	10.5	51236
	300	95	99.3	109	3	51336	53336	53336U	485000	1700000	550	820		184	295	240	310	32	225	91	252	228	240	2.5	28.2	27.0	32.0	51336
	360	140	148.3	164	5	51436	53436	53436U	785000	2980000	400	600		184	355	270	370	46.5	280	97	288	252	270	4	69.5	68.8	81.5	51436
190	240	37	—	—	1.1	51138	—	—	170000	655000	1000	1500		193	237	—	—	—	—	—	220	210	—	1	3.95	—	—	51138
	270	62	65.7	73	2	51238	53238	53238U	310000	1060000	740	1100		194	267	230	280	23	200	98	238	222	230	2	11.7	11.5	14.0	51238
	320	105	111	121	4	51338	53338	53338U	570000	2100000	500	750		195	315	255	330	33	250	104	268	242	255	3	36.1	35.8	41.9	51338