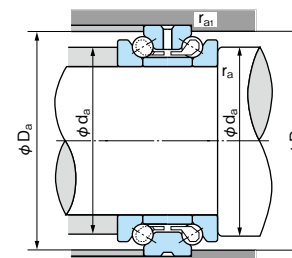
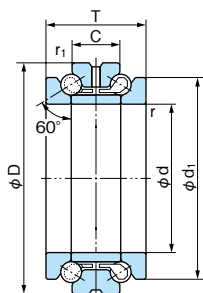


Double-direction Thrust Angular Contact Ball Bearings TAD20 Series



1N=0.102kgf

Boundary dimensions (mm)								Bearing No.		Basic dynamic load rating Ca (N)	Basic static load rating Coa (N)	Limiting speed (min ⁻¹)		Abutment and fillet dimensions (mm)				Mass (kg)	Bearing No. Standard type
d Standard type	d Large bore type ⁽¹⁾	D	d ₁	T	C	r (min)	r ₁ (min)	Standard type	Large bore type ⁽¹⁾			Grease lubrication	Oil lubrication	d _a (min)	D _a (max)	r _a (max)	r _{a1} (max)		
25	27	47	40	28	14	0.6	0.3	25TAD20	27TAD20	10700	19900	8000	10000	33	43.5	0.6	0.3	0.197	25TAD20
30	32	55	47	32	16	1	0.6	30	32	14000	27100	7000	9000	39	51	1	0.6	0.301	30
35	37	62	53	34	17	1	0.6	35	37	16200	33000	6200	8200	45	58	1	0.6	0.394	35
40	42	68	58.5	36	18	1	0.6	40TAD20	42TAD20	18600	39500	5800	7800	50	64	1	0.6	0.482	40TAD20
45	47	75	65	38	19	1	0.6	45	47	21200	47000	5500	7300	56	71	1	0.6	0.605	45
50	52	80	70	38	19	1	0.6	50	52	22000	52000	5000	6700	61	76	1	0.6	0.656	50
55	57	90	78	44	22	1.1	0.6	55TAD20	57TAD20	29900	71500	4500	6200	68	85	1	0.6	0.988	55TAD20
60	62	95	83	44	22	1.1	0.6	60	62	30500	75000	4300	6000	73	90	1	0.6	1.06	60
65	67	100	88	44	22	1.1	0.6	65	67	31500	81500	4100	5500	78	95	1	0.6	1.12	65
70	73	110	97	48	24	1.1	0.6	70TAD20	73TAD20	37500	99000	3800	5200	85	105	1	0.6	1.53	70TAD20
75	78	115	102	48	24	1.1	0.6	75	78	38500	107000	3600	4900	90	110	1	0.6	1.16	75
80	83	125	110	54	27	1.1	0.6	80	83	51000	138000	3400	4500	97	119	1	0.6	2.20	80
85	88	130	115	54	27	1.1	0.6	85TAD20	88TAD20	51500	144000	3200	4300	102	124	1	0.6	2.31	85TAD20
90	93	140	123	60	30	1.5	1	90	93	59000	166000	3000	4000	109	132	1.5	1	3.05	90
95	98	145	128	60	30	1.5	1	95	98	59500	173000	2900	3900	114	137	1.5	1	3.18	95
100	103	150	133	60	30	1.5	1	100TAD20	103TAD20	60500	180000	2800	3700	119	142	1.5	1	3.32	100TAD20
105	109	160	142	66	33	2	1	105	109	67000	199000	2600	3500	125	151	2	1	4.19	105
110	114	170	150	72	36	2	1	110	114	81500	236000	2500	3300	132	161	2	1	5.35	110
120	124	180	160	72	36	2	1	120TAD20	125TAD20	84000	256000	2300	3100	142	171	2	1	5.73	120TAD20
130	135	200	177	84	42	2	1	130	135	109000	325000	2100	2800	156	190	2	1	8.58	130
140	145	210	187	84	42	2	1	140	145	113000	355000	2000	2600	166	200	2	1	9.10	140
150	155	225	200	90	45	2.1	1.1	150TAD20	155TAD20	123000	390000	1850	2500	178	213	2	1	11.2	150TAD20
160	165	240	212	96	48	2.1	1.1	160	165	138000	435000	1750	2350	190	227	2	1	13.6	160
170	176	260	230	108	54	2.1	1.1	170	176	175000	550000	1600	2150	204	246	2	1	18.5	170
180	187	280	248	120	60	2.1	1.1	180TAD20	187TAD20	200000	640000	1500	2000	220	264	2	1	24.7	180TAD20
190	197	290	258	120	60	2.1	1.1	190	197	203000	665000	1450	1950	230	274	2	1	25.5	190
200	207	310	274	132	66	2.1	1.1	200	207	257000	835000	1350	1800	244	292	2	1	32.7	200

Note: (1) Large bore type bearings are used at large bore side of cylindrical roller bearings with tapered bore NN3000K type.