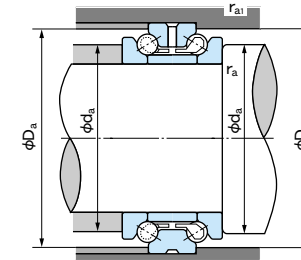
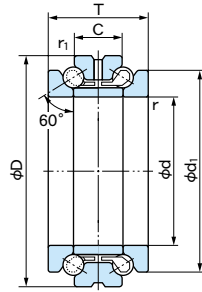


Double-direction Thrust Angular Contact Ball Bearings
Series TAD20



1N=0.102kgf

Boundary dimensions (mm)		Bearing No.		Basic dynamic load rating Ca (N)	Basic static load rating Coa (N)	Limiting speed (rpm)		Abutment and fillet dimensions (mm)				Mass (kg)	Bearing No. Standard type						
d ⁽¹⁾ Standard type	d ⁽¹⁾ Large bore type	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	25TDA20
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	40TDA20
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	55TDA20
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	70TDA20
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	85TDA20
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	100TDA20
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	120TDA20
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	150TDA20
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	180TDA20
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 NN300K type.