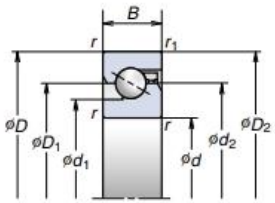
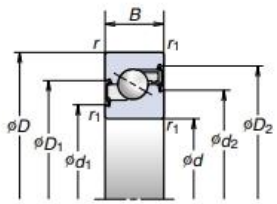
For Machine Tool Applications

TAC B Series

Bore Diameter 15-60 mm



Open type



Sealed type DDG

(Open type)

Bearing Numbers	Boundary Dimensions (mm)					Reference Dimensions (mm)				Recommended Grease Quantities (cc)	Limiting Speeds (') (min⁻¹)	
	d	D	B	r (min)	r1 (min)	d1	d2	D1	D2		Grease	Oil
15 TAC 47B	15	47	15	1.0	0.6	27.2	34	34	39.6	2.2	6 000	8 000
17 TAC 47B	17	47	15	1.0	0.6	27.2	34	34	39.6	2.2	6 000	8 000
20 TAC 47B	20	47	15	1.0	0.6	27.2	34	34	39.6	2.2	6 000	8 000
25 TAC 62B	25	62	15	1.0	0.6	37	45	45	50.7	3.0	4 500	6 000
30 TAC 62B	30	62	15	1.0	0.6	39.5	47	47	53.2	3.2	4 300	5 600
35 TAC 72B	35	72	15	1.0	0.6	47	55	55	60.7	3.8	3 600	5 000
40 TAC 72B	40	72	15	1.0	0.6	49	57	57	62.7	3.9	3 600	4 800
40 TAC 90B	40	90	20	1.0	0.6	57	68	68	77.2	8.8	3 000	4 000
45 TAC 75B	45	75	15	1.0	0.6	54	62	62	67.7	4.2	3 200	4 300
45 TAC 100B	45	100	20	1.0	0.6	64	75	75	84.2	9.7	2 600	3 600
50 TAC 100B	50	100	20	1.0	0.6	67.5	79	79	87.7	10.2	2 600	3 400
55 TAC 100B	55	100	20	1.0	0.6	67.5	79	79	87.7	10.2	2 600	3 400
55 TAC 120B	55	120	20	1.0	0.6	82	93	93	102.2	12	2 200	3 000
60 TAC 120B	60	120	20	1.0	0.6	82	93	93	102.2	12	2 200	3 000

Basic Dynamic Load Rating Ca			Limiting Axial Load			Mass (kg)
Single Row Load DF, DB	Double Row Load DT, DFD, DBD, DFF, DBB	Triple Row Load DTD, DFT, DBT	Single Row Load DF, DB	Double Row Load DT, DFD,DBD, DFF, DBB	Triple Row Load DTD, DFT, DBT	(approx)
(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	
21.9	35.5	47.5	26.6	53.0	79.5	0.144
21.9	35.5	47.5	26.6	53.0	79.5	0.144
21.9	35.5	47.5	26.6	53.0	79.5	0.135
28.5	46.5	61.5	40.5	81.5	122	0.252
29.2	47.5	63.0	43.0	86.0	129	0.224
31.0	50.5	67.0	50.0	100	150	0.310
31.5	51.5	68.5	52.0	104	157	0.275
59.0	95.5	127	89.5	179	269	0.674
33.0	53.5	71.0	57.0	114	170	0.270
61.5	100	133	99.0	198	298	0.842
63.0	102	136	104	208	310	0.778
63.0	102	136	104	208	310	0.714
67.5	109	145	123	246	370	1.230
67.5	109	145	123	246	370	1.160

(Sealed type)

Bearing Numbers	Boundary Dimensions (mm)					Reference Dimensions (mm)				Limiting Speeds (') (min⁻¹)
	d	D	B	r (min)	r1 (min)	d1	d2	D1	D2	Grease
15 TAC 47B DDG	15	47	15	1.0	0.6	25.1	30.8	36	41.8	6 000
17 TAC 47B DDG	17	47	15	1.0	0.6	25.1	30.8	36	41.8	6 000
20 TAC 47B DDG	20	47	15	1.0	0.6	25.1	30.8	36	41.8	6 000
25 TAC 62B DDG	25	62	15	1.0	0.6	34.3	40.5	46.5	52.9	4 500
30 TAC 62B DDG	30	62	15	1.0	0.6	36.8	43	49	55.4	4 300
35 TAC 72B DDG	35	72	15	1.0	0.6	44.3	50.5	56.5	62.9	3 600
40 TAC 72B DDG	40	72	15	1.0	0.6	46.3	52.5	58.5	64.9	3 600
40 TAC 90B DDG	40	90	20	1.0	0.6	54	64	70	79.4	3 000
45 TAC 100B DDG	45	100	20	1.0	0.6	61	71	77	86.4	2 600

Basic Dynamic Load Rating Ca			Limiting Axial Load			Mass (kg)
Single Row Load DF, DB	Double Row Load DT, DFD, DBD, DFF, DBB	Triple Row Load DTD, DFT, DBT	Single Row Load DF, DB	Double Row Load DT, DFD,DBD, DFF, DBB	Triple Row Load DTD, DFT, DBT	(approx)
(kN)	(kN)	(kN)	(kN)	(kN)	(kN)	
21.9	35.5	47.5	26.6	53.0	79.5	0.144
21.9	35.5	47.5	26.6	53.0	79.5	0.144
21.9	35.5	47.5	26.6	53.0	79.5	0.135
28.5	46.5	61.5	40.5	81.5	122	0.252
29.2	47.5	63.0	43.0	86.0	129	0.224
31.0	50.5	67.0	50.0	100	150	0.310
31.5	51.5	68.5	52.0	104	157	0.275
59.0	95.5	127	89.5	179	269	0.674
61.5	100	133	99.0	198	298	0.842

(') Limiting speeds are based on C10 preload. In case of C9 preload, the figures become 1.3 times of the figures listed above.

Note: Bearing type TAC B: nominal contact angle 60°