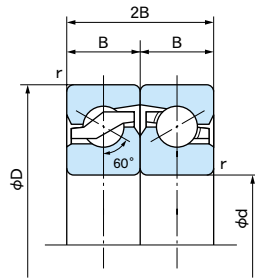
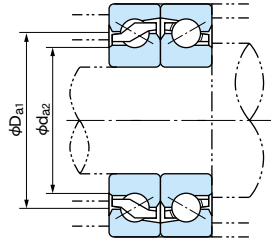


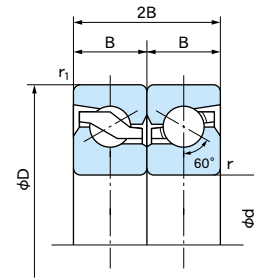
Ball Screw Support Bearings Series TAB



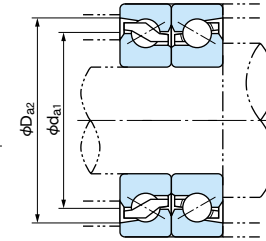
DF



1N=0.102kgf



DB



Dynamic equivalent axial load

• $P_a = XFr + YFa$

No. of Bearing in set	2		3		4					
Brgs loaded axial load	1	2	1	2	3	1	2	3	4	
$F_a / Fr \leq 2.17$	X	1.9	—	1.43	2.33	—	1.17	2.33	2.53	—
	Y	0.54	—	0.77	0.35	—	0.89	0.35	0.26	—
$F_a / Fr > 2.17$	X	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92	0.92
	Y	1	1	1	1	1	1	1	1	1

Bearing No.	Boundary dimensions (mm)						Basic dynamic load rating Ca (N)	Basic static load rating Coa (N)	Limiting speed (rpm) Grease lubrication	Starting torque (N · cm) Grease lubrication	Abutment and fillet dimensions (mm)				Mass (kg) (1pc.) (Ref.)	Bearing No.
	d	D	B	2B	r (min)	r ₁ (min)					d _{a1}	d _{a2}	D _{a1}	D _{a2}		
15TAB04DF(DB) 17TAB04DF(DB) 20TAB04DF(DB)	15 17 20	47	15	30	1 ⁽¹⁾ 1 1	0.6 0.6 0.6	25900 25900 25900	30500 30500 30500	6300 6300 6300	15 15 15	33.7 33.7 33.7	26.8 26.8 26.8	33.5 33.5 33.5	41 41 41	0.14 0.13 0.12	15TAB04DF(DB) 17TAB04DF(DB) 20TAB04DF(DB)
25TAB06DF(DB) 30TAB06DF(DB) 35TAB07DF(DB)	25 30 35	62	15	30	1 1 1	0.6 0.6 0.6	29900 29900 32500	43000 43000 52000	4650 4650 3750	20 20 25	46.2 46.2 56.2	39.7 39.7 49.7	46 46 56	53.4 53.4 63.4	0.24 0.21 0.29	25TAB06DF(DB) 30TAB06DF(DB) 35TAB07DF(DB)
40TAB07DF(DB) 40TAB09DF(DB) 45TAB07DF(DB)	40 40 45	72 90 75	15 20 15	30 40 30	1 1 1	0.6 0.6 0.6	32500 65000 33500	52000 96500 56500	3750 3150 3400	25 30 50	56.2 67.2 61.7	49.7 57.2 55.2	56 67 61.5	63.4 78.4 68.9	0.26 0.62 0.25	40TAB07DF(DB) 40TAB09DF(DB) 45TAB07DF(DB)
45TAB10DF(DB) 50TAB10DF(DB) 55TAB10DF(DB)	45 50 55	100	20	40	1 1 1	0.6 0.6 0.6	68000 69500 69500	108000 114000 114000	2850 2700 2700	60 65 65	74.2 78.2 78.2	64.2 68.2 68.2	74 78 78	85.4 89.4 89.4	0.79 0.72 0.65	45TAB10DF(DB) 50TAB10DF(DB) 55TAB10DF(DB)
55TAB12DF(DB) 60TAB12DF(DB)	55 60	120	20	40	1 1	0.6 0.6	73000 73000	131000 131000	2300 2300	70 70	92.2 92.2	82.2 82.2	92 92	103.4 103.4	1.15 1.08	55TAB12DF(DB) 60TAB12DF(DB)

Note: (1) r (min) = 0.6 for inner ring

(2) When bearing sets carry axial load with two or three rows, the numbers should be multiplied by 1.64 or 2.16.

(3) When bearing sets carry axial load with two or three rows, the numbers should be multiplied by 2 or 3.