

TB / NB Type

Dry-type Negative Actuated type Electromagnetic Brake

2024/02/28

Model	Application	Max Speed [min ⁻¹]	Weight [kg]	Static friction torque [N·m]	Voltage DC [V]	Wattage (20°C) [W]
TB-5	For Holding	3000	0.20	0.6	24	5
TB-6	For Holding	3000	0.36	1	24	6.1
TB-8	For Holding	2800	0.65	2	24	10
NB-5	For Braking	3000	0.20	0.3	24	5
NB-6	For Braking	3000	0.36	0.5	24	6.1
NB-8	For Braking	2800	0.65	1	24	10

Dimension

Model	Size Air-GAP [mm]	Size b JS9(spline width) [mm]	Size d H7(boss diameter) [mm]	Size t [mm]	Size A h9 [mm]	Size B [mm]
TB-5	0.1~0.2	-	+0.012 ø6 -0	-	+0_x000D_ ø48 -0.062	ø14
TB-6	0.15~0.2	-	+0.015 ø8 -0	-	+0_x000D_ ø60 -0.074	ø19
TB-8	0.15~0.25	4±0.015	+0.015 ø10 -0	1.8	+0_x000D_ ø77 -0.074	ø20
NB-5	0.1~0.25	-	+0.012 ø6 -0	-	+0_x000D_ ø48 -0.062	ø14
NB-6	0.1~0.35	-	+0.015 ø8 -0	-	+0_x000D_ ø60 -0.074	ø19
NB-8	0.15~0.4	4±0.015	+0.015 ø10 -0	1.8	+0_x000D_ ø77 -0.074	ø20

Model	Size C [mm]	Size D [mm]	Size E [mm]	Size F [mm]	Size L [mm]	Size M [mm]	Size N [mm]
TB-5	ø42	ø48	3×ø2.7	7	25	22.5	16.5
TB-6	ø53	ø60	3×ø3.5	8	26	23	16.5
TB-8	ø68	ø77	3×ø4.5	9	29	25	18.5
NB-5	ø42	ø48	3×ø2.7	7	25	22.5	16.5
NB-6	ø53	ø60	3×ø3.5	8	26	23	16.5
NB-8	ø68	ø77	3×ø4.5	9	29	25	18.5

Model	Size P [mm]	Size Q [mm]	Size R [mm]	Size S [mm]	Size T [mm]

TB / NB Type

Dry-type Negative Actuated type Electromagnetic Brake

2024/02/28

TB-5	6	7	15.0	2×M3	3
TB-6	7.5	7	15.0	2×M3	3
TB-8	8.5	7	15.0	2×M4	3
NB-5	6	7	15.0	2×M3	3
NB-6	6	7	15.0	2×M3	3
NB-8	8.5	7	15.0	2×M4	3

Other Specifications

Model	Moment of Inertia J [×10 ⁻⁶ kg·m ²]
TB-5	1.5
TB-6	6.8
TB-8	20.8
NB-5	1.5
NB-6	6.8
NB-8	20.8

Notes

1. We can make 90 volts coil.
2. As to the backlash-less type, you can refer to us.