

AMETEK offers power off, fail safe holding brakes to compliment its motor product line. When voltage is applied, the friction disc is released and the brake is free of torque. This power-off brake is best suited for parking brake applications used to hold a load in position, and is ideal for creating brake motor packages for small servo & stepper frame motors.

To insure a reliable, quick, and hassle-free startup AMETEK offers a selection of factory installed Feedback devices, Brakes, and Gearboxes at no extra cost to you.









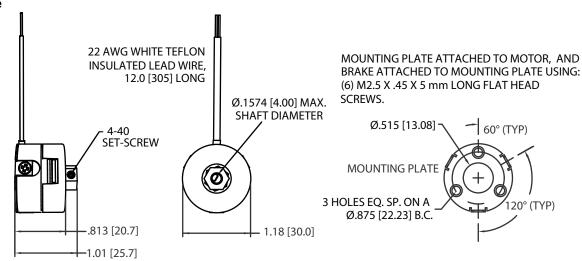




B30A



Power Off Brake



		Part/Model Number			
Specification	Units	12V	19V	24V	30V
Applied Voltage	VDC	12	19	24	30
Static Holding Torque	lb-in	12	19	24	30
	Nm	1.356	2.147	2.712	3.39
Current	Amps (A)	16	16	16	16
Resistance	Ohms	16	16	16	16
Hub and Disc Inertia	oz-in-sec2	0.33	0.21	0.17	0.13
	kg-m2	2.33E-3	1.48E-3	1.20E-3	9.18E-4
Weight (Mass)	OZ	0.33	0.21	0.17	0.13
	g	9.4	6	4.8	3.7

Standard Features				
 Factory-Set Precision Air Gap 	 MIL-W-22759/34D Lead Wires 			
 Rigid Molded Friction Disc 	 Hexagonal Drive Nut with Set Screw 			
 High Rate Compression Spring 	 Low Profile Mounting Plate 			

Notes

¹ B30A is a power off brake intended to decelerate and hold a load when power is deactivated.

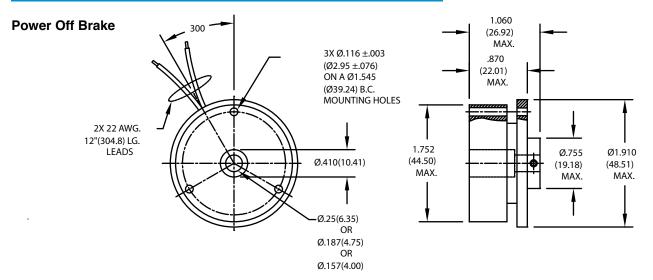
² All values specified at 25°C ambient temperature.

This document is for informational purposes only and should not be considered as a binding description of the products or their performance in all applications. The performance data on this page depicts typical performance under controlled laboratory conditions. Actual performance will vary depending on the operating environment and application. AMETEK reserves the right to revise its products without notification. The above characteristics represent standard products. For products designed to meet specific applications, contact PITTMAN Motor Sales Department.



B49A





		Part/Model Number			
Specification Units		12V	24V		
Applied Voltage	VDC	12	24		
Static Holding Torque	lb-in	12	24		
	Nm	1.356	2.712		
Current	Amps (A)	48	48		
Resistance	Ohms	48	48		
Hub and Disc Inertia	oz-in-sec2	0.353	0.190		
	kg-m2	2.49E-3	1.34E-3		
Weight (Mass)	OZ	0.353	0.190		
	g	10	5.4		

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	mo	arc	THIPAG

- Factory-Set Precision Air Gap
- Multiple Compression Springs
- Rigid Molded Friction Disc
- Square Drive Nut with Set Screw

Notes:

 $^{\rm 1}$ B49A is a power off brake intended to decelerate and hold a load when power is deactivated.

 $^{^{2}}\,\text{All}$ values specified at 25°C ambient temperature.

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B7, B3, B6, B5

PITTMAN[®]

Holding Brake

- NEMA 17, 23 and 34 Sizes
- "Fail-Safe" Type (Apply power to release)
- 24 Vdc Supply Voltage
- Clamp On Collar Requires no motor modifications
- Simplifies Stocking Not requiring custom Brake Motor
- Available with Heavy Duty shaft inputs
- NEMA Output Flanges couple to NEMA Gear reducers



		Part/Model Number			
Specification	Units	В7	B3	В6	B5
Input Flange	-	N17	N23	HD Shaft	HD Shaft
Output Flange	-	N17	N23	HD Shaft	HD Shaft
Torque	lb-in	1.00	3.00	3.00	15.00
Torque	Nm	0.113	0.339	0.339	1.695
Shaft Input Dia.	Inches	.197	.25	.5	.5
Shait input Dia.	mm	5	6.4	12.7	12.7
Shoft Output Dia	Inches	.197	.25	.5	.5
Shaft Output Dia.	mm	5	6.4	12.7	12.7
Max Motor Shaft Length	Inches	.97	.94	1.60	1.30
Max Motor Shart Length	mm	24.6	23.9	40.6	33
Voltage	VDC	24	24	24	24
Current	Amps (A)	.220	.181	.181	.369
Resistance	Ohms	117	132	132	65
Inertia	oz-in-sec2	.0001	.00051	.00051	.0045
	kg-m2	7.06E-7	3.60E-6	3.60E-6	3.18E-5
Weight	Lbs	.44	1.06	1.06	2.88
Weight	Kg	0.2	0.5	0.5	1.3

DIMENSIONS - inches (mm)

All Brake Data is at 20 degrees C

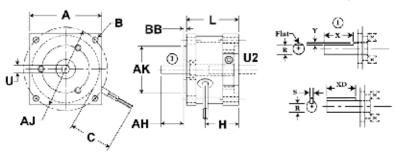
Model	B7	B3	B6	B5
A (3)	1.650 (41.91)	2.250 (57.15)	2.250 (57.15)	3.250 (82.55)
B (4x)	#4-40 UNC-2B	0.205 (5.21)	0.205 (5.21)	0.222 (5.64)
C (2)	11.5 (292.0)	16.75 (425.0)	16.75 (425.0)	18.0 (457.0)
H (3)	0.82 (20.83)	1.18 (29.97)	1.18 (29.97)	1.58 (40.13)
L (1)	1.51 (38.35)	1.78 (45.2)	3.031 (76.99)	2.58 (65.53)
U (1)	0.197 (5.00)	0.250 (6.35)	0.4997 (12.69)	0.4997 (12.69)
U2 (3)	0.100 (2.54)	0.145 (3.68)	0.145 (3.68)	0.145 (3.68)
AH (3)	0.71 (18.03)	0.70 (17.78)	0.70 (17.78)	1.16 (29.46)
AJ (3)	1.725 (43.82)	2.625 (66.68)	2.625 (66.68)	3.875 (98.43)
AK (1)	0.8662 (22.00)	1.500 (38.1)	1.500 (38.1)	2.875 (73.03)
BB (3)	0.08 (2.03)	0.10 (2.54)	0.10 (2.54)	0.10 (2.54)
(1) Maximum Values		(2) Minimum Values	(3) Nominal	(4x) 4 places

Output Shaft Dimensions						
Model X Y R						
B7	0.59	0.02	0.177			
В3	0.63	0.015	0.235			

Model	S	XD	R
В6	1/8 sq.	0.63	0.375
B5	1/8 sq.	1.00	0.375

Note: These brakes are not IP65 rated and should not be used in an environment that could affect brake performance.

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