

MAGNETIC PARTICLE

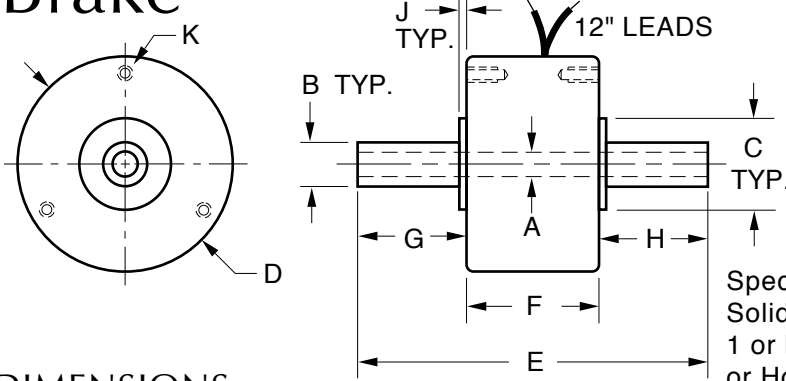
Brake

5 oz. in. to 220 lb.-in.

The input shaft becomes coupled to the housing with electrical excitation. Torque is proportional to input current, and independent of speed.

Typical applications: producing tension for unwinding film, fabric & wire; load simulation; and soft stops.

Coil Voltages: 6, 12, 24, and 90 V. D.C.



DIMENSIONS

MODEL ②	A +.001 -0	B ±.0002	C +0 -.001	D ±.015	E ±.010	F ±.030	G ±.020	H ±.020 ①	J ±.010	K		
										# of Holes	Thread	B.C.
B5Z	Solid Shaft Only	.1247	0.437	1.05	2.50	0.88	0.81	0.81	.06	6	# 1 - 72	0.906 ③
B1		.1872	0.687	1.56	2.70	1.06					1.350 ③	
B2		.2496	0.750	2.09	3.05	1.15	0.94	0.94		3	# 6 - 32	1.350
B6		.3746	1.186	2.47	3.56	1.37	1.09	1.09			# 8 - 32	2.203
B15	Solid	.3746	1.125	2.87	3.56		1.47	0.47	.27	.08	4	# 10 - 32
B15-H	.375 I.D.	.498		2.10	2.10	0.47		.25	3.000			
B35	Solid	.4995	1.875	3.37	3.72	1.77	1.12	1.12	.09	4	# 10 - 32	4.812
B35-H	.375 I.D.	.498		2.20	2.20		0.47	.25				
B60	Solid	.7495	1.875	4.50	3.53	1.77	1.42	.33	.11	4	# 10 - 32	4.228
B60-H	.501 I.D.	.748		2.63	2.63		0.52					
B115	Solid	.7495	3.625	4.71	3.53	2.17	1.41	.22	.13	4	# 10 - 32	4.812
B115-H	.501 I.D.	.748		2.63	2.63		0.52					
B150	Solid	.7495	3.625	5.22	3.92	2.63	1.53	.26	.09	4	1/4 - 20	5.750
B150-H	.750 I.D.	.906		3.187	3.25		2.17					
B220	Solid	.7495	3.625	6.25	4.40	2.63	1.50	1.5	.09	4	1/4 - 20	5.750
B220-H	.875 I.D.	1.179		6.25	3.65		2.63					

① Optional ② -H: Hollow shaft ③ One side only ④ 3.187 on H side

SPECIFICATIONS

MODEL	Torque Range	Input Electric Power (Watts)	Shaft Inertia (Lb.-In.-Sec ²)	Max. Slip Heat Dissipation (Watts)	Unforced Response (mSec.)	Overhung Load, Max. (Lbs.)	Max. RPM	Weight (Lbs.)
B5Z	0.1 - 5 oz.-in.	1.5	16 x 10 ⁻⁸	2	6	0.7	3500	0.2
B1	0.6 - 16 "	2	11 x 10 ⁻⁷	3.5	8	4	3000	0.6
B2	1.2 - 40 "	3	55 x 10 ⁻⁷	8	9	5	2500	1
B6	0.2 - 6 lb.-in.	4.5	23 x 10 ⁻⁶	15	20	25	2000	1.5
B15	0.3 - 15 "	6	34 x 10 ⁻⁶	20	25	25	2000	2.5
B35	0.6 - 35 "	9	12 x 10 ⁻⁵	30	35	50	1800	4
B60	1 - 60 "	8	45 x 10 ⁻⁵	50	85	100	1800	7
B115	2.5 - 115 "	13	61 x 10 ⁻⁵	55	90	120	1800	8
B150	3 - 150 "	13	15 x 10 ⁻⁴	80	130	120	1300	12
B220	4 - 220 "	17	29 x 10 ⁻⁴	110	190	120	1000	21

