

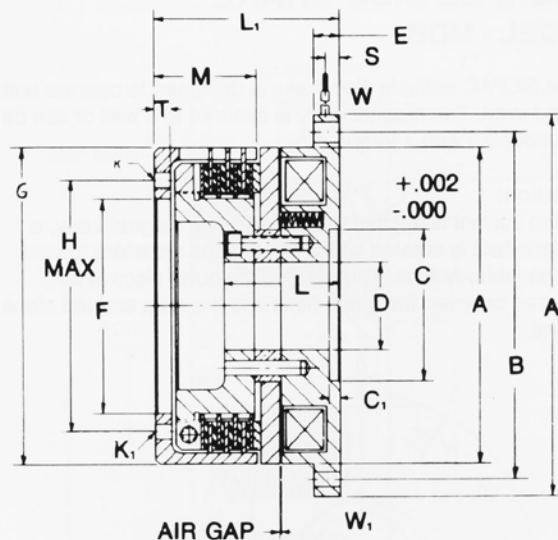
## ELECTROMAGNETIC MULTIPLE DISC BRAKE (Spring Applied) MODEL - MSB

This spring applied brake is designed specifically for applications requiring braking when power fails or when the brake will be engaged for long periods of time.

Spring applied clutches also available. Contact SEPAC Engineering for details.

### Operation:

When current is applied to the brake, the armature is attracted toward the magnet body releasing the discs, allowing them to rotate. When current is cut to the coil, springs push the armature into engagement with the discs stopping the load.



MODEL	MSB	520	720	925
Torque Static (Wet)	LB-FT	45	180	455
Starting (Wet)	LB-FT	25	100	252
Torque Static (Dry)	LB-FT	50	200	506
Starting (Dry)	LB-FT	38	150	378
Torque Static "T" Non-Asbestos (Dry Only)	LB-FT	27	108	273
Starting "T" Non-Asbestos (Dry Only)	LB-FT	25	100	252
Overall Length	L <sub>1</sub>	3.08	4.16	5.90
Spider Diameter	G	5.19	7.16	9.25
Recommended Max Speed	RPM	3200	2200	1750
Coil Data 24VDC	AMPS	2.9	4.3	5.6
90VDC	AMPS	.74	1.58	1.92
Spider Assembly Inertia	LB-FT <sup>2</sup>	.059	.35	1.0
Air Gap		.025	.042	.062
Magnet Body Diameter	A	5.19	7.16	9.25
Magnet Body Diameter	A <sub>1</sub>	6.25	no flange	11.12
Flange Thickness	E	.44	no flange	.50
Magnet Body Hole Circle	B	5.687	2.750	10.375
Magnet Body Co-Bore Diameter	C	2.500	3.500	5.000
Magnet Body Co-Bore Depth	C <sub>1</sub>	.19	.19	.19
Magnet Body Bore	D	1.440	2.000	3.500
Spider Bore (min.)	F	2.125	2.875	4.000
(max.)	F	3.540	5.310	6.880
Spider Mounting Circle	H*	4.13	6.10	7.87
Spider Th'd Mtg. Holes	K*	(6) 5/16-18	(6) 3/8-16	(6) 7/16-14
Spider Dowel Holes	K <sub>1</sub> *	(3) 1/4	(3) 5/16	(3) 1/2
Bore Length	L	1.91	2.64	3.62
Spider Length	M	1.69	2.04	2.75
Lead Wire Location	S	.23	.37	.69
Spider Face Depth	T	.28	.31	.39
Magnet Body Mounting Holes	W	(6) 21/64	(4) 3/8	(6) 25/64
Magnet Body Dowel Holes	W <sub>1</sub>	(3) 11/32	(2) 3/8	(3) 23/64
Weight	LBS	13	33.5	79
Thermal Capacity	BTU/min.	18.3	36.7	70.0

\* Furnished as an option.