

Gear Motor Mount Brakes

AAB 321 & 322 Series Brakes



AAB 321 Series

Key Industries:

- Small gear motors
- Agriculture
- Automation
- Material handling
- Packaging

Features:

- Direct-acting brake
- Pressure plate mount
- UL Recognized insulation system
- 321 Series IP 40
- 322 Series IP 54

Gear motor brakes are spring-set, electrically released brakes designed to provide dynamic stopping or holding torque for high cycling applications. These units are highly reliable and deliver out-of-box torque and quiet operation. Their simplified assembly makes for a practical solution with minimal wear components that equates to a reduction in maintenance. The AAB 321 and 322 series brakes have a flexible design that can be customized to fit a variety of applications.

Additional Options Offered for our Gear Motor Mount Brakes:

- Thru-shaft
- Hubless (Double-D) disc option for holding applications only
- Non-maintained manual release
- Brake release indicator
- Internal rectifier (Sizes 1.8 & 2.8 only)
- Quick-set rectifiers
- Conduit box

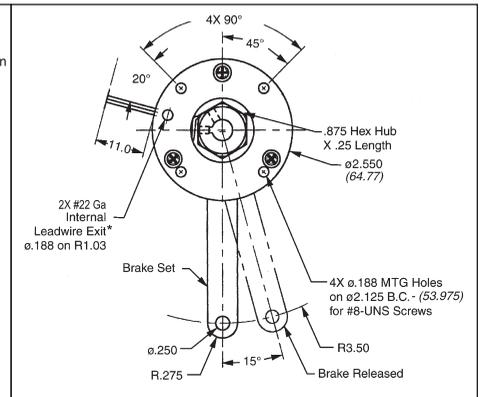
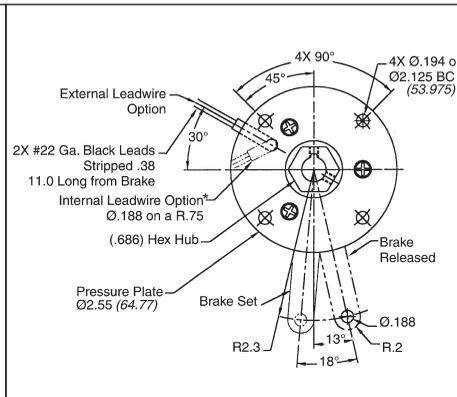
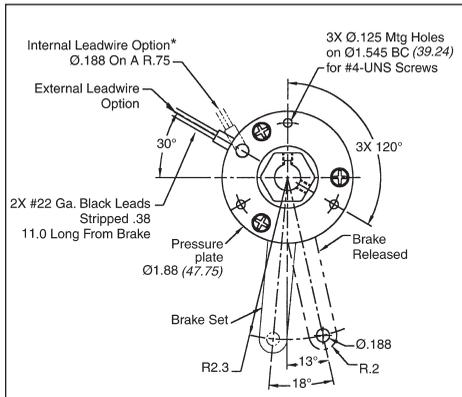
Benefits of our Gear Motor Mount Brakes:

- Designed for high cycling applications
- Out-of-box torque – no burnishing required
- Enclosed design to keep elements out
- Double-D shafts fit the brake directly without a hub; no shaft keyway cost and simplified assembly
- Integrated enclosure design keeps brake coil cool for longer life

Why Stearns Gear Motor Mount Brakes:

- Years of experience in the brake industry
- Designed for long life
- Fewer wear components for maintenance reduction
- Available in IP 40 or IP 54 for better protection against environment

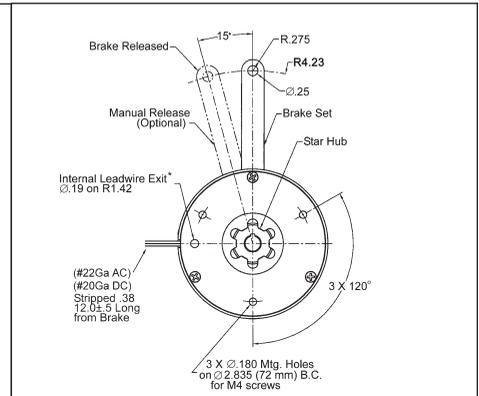
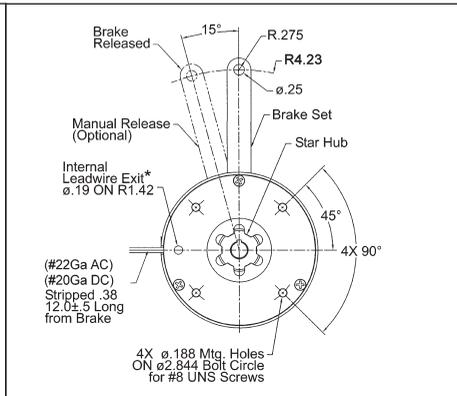
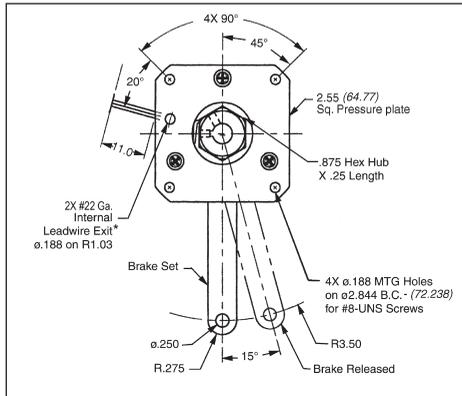
Technical Information



Size 1.2 - Inside Mount

Size 1.2 - Flange Mount

Size 1.8 - Inside Mount



Size 1.8 - Flange Mount

Size 2.8 - Inside Mount

Size 2.8 - 72mm Mount

Technical Characteristics

SIZE	BASIC MODEL NUMBER	NOMINAL STATIC TORQUE LB-IN (NM)	APPROX. WEIGHT		POWER (WATTS)	HUB AND DISC INERTIA (OZ-IN-SEC ²)	THERMAL CAPACITY HP-SEC/MIN	MAXIMUM BORE SIZE	
			LBS	KG				IN	MM
1.2 Dynamic	3-2X-24	3 (.34)	.4	.18	7	7.2 x 10 ⁻³	Consult Factory	3/8	9
1.2 Holding	3-2X-25	5 (.56)			9				
1.8 Dynamic	3-2X-44	7 (.79)	1.3	.59	10	4.8 x 10 ⁻⁴	.26	1/2**	1/2**
1.8 Holding	3-2X-45	15 (1.69)							
1.8 Dynamic	3-2X-46	15 (1.69)							
2.8 Dynamic	3-2X-74	35 (3.95)	2.0	.91	17	2.3 x 10 ⁻³	.17	1/2	1/2
2.8 Dynamic	3-2X-75	50 (5.65)							
2.8 Holding	3-2X-77	72 (8.14)							

**Set screws located 120° from keyway

(414) 272-1100

stearnsbrakes.com

Stearns

5150 International Drive, Cudahy, WI 53110

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