

Air Applied Brake

Flange Mount



B3F2R-STH

Engagement/Disengagement

Air/Spring

Facing Type

High Coefficient

Torque @ 80 PSI – Dynamic

267 Pound Inches

Minimum Engagement Pressure

11 PSI

Maximum Operating Pressure

80 PSI

Maximum RPM

1,750

Bore Range with Standard Keyway

0.500 (13) to 1.000 (24) Inches (mm)

Air Volume New

0.12 Cubic Inches

Air Volume Worn

0.69 Cubic Inches

Finish

Aluminum

Open or Enclosed Construction

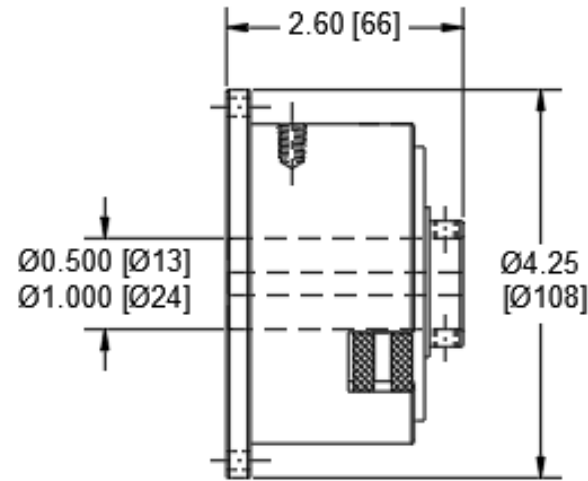
Open

Mounting Bolt Circle

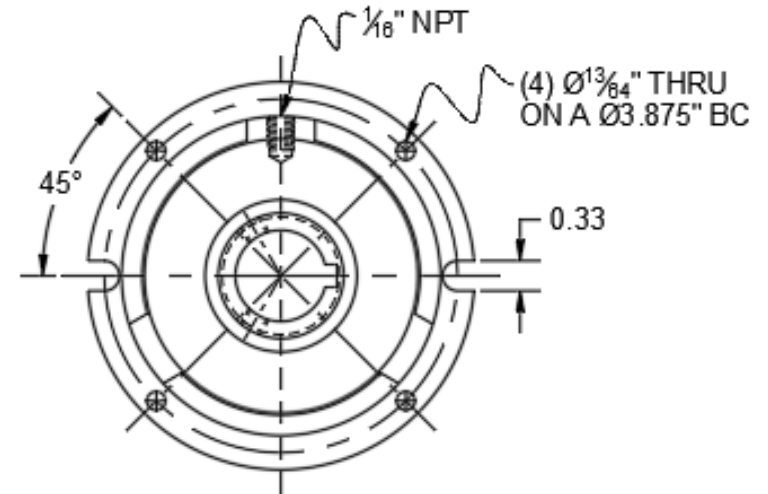
3.875 Inches

Shipping Weight

3 Pounds

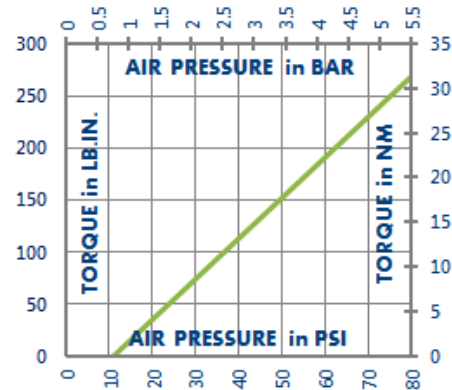


SIDE VIEW



TOP VIEW

TORQUE vs. AIR PRESSURE



NEW vs. BURNISHED TORQUE

New clutch or brake torque is approximately 40% less than rated design torque until the friction and drive discs are worn in (lapped, burnished). The length of time for wear-in to occur varies by application.

When calculating required torque always use a service factor of 1.5 to 2. It is not recommended to select a product for use at its maximum rated torque for continuous duty.

PRODUCT SELECTION

Torque capacity is only one factor to consider when making a product selection. Insure that you will have right product for the job by contacting our engineering department for application review and selection assistance.



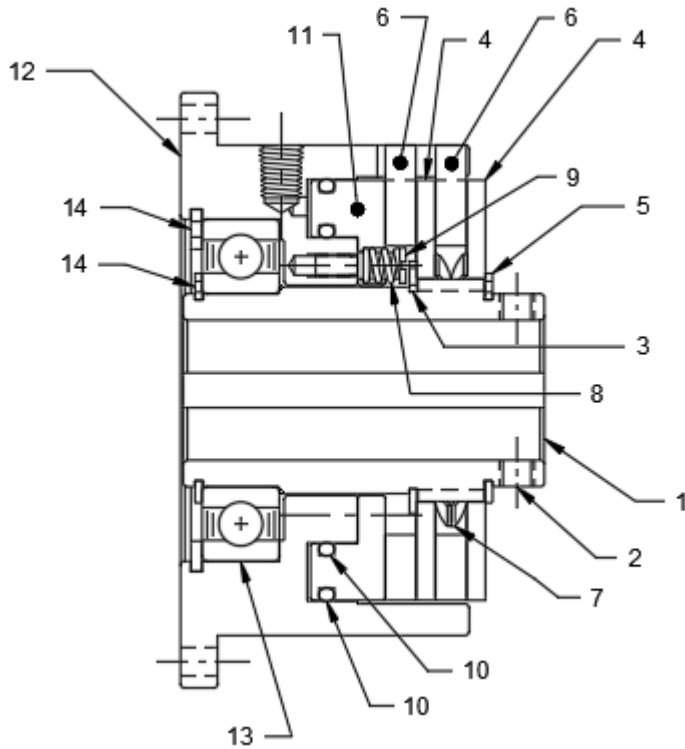
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B3F2R-STH

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	DRIVE HUB KIT		B3F2R-STH-HUBK
1	Drive Hub	1	<i>Specify Bore Size When Ordering</i>
2	Set Screw	2	
3	Retainer Ring	1	
	DRIVE DISC KIT		B3F2R-STH-DRDK
4	Drive Disc	2	
5	Retainer Ring	1	
	REPAIR KIT		B3F2R-STH-RPRK
6	Friction Disc	2	
7	Wave Spring	1	
8	Coil Spring	3	
9	Screw	3	
10	O-ring	2	
11	PISTON	1	B3F2H-STH-P004
	CYLINDER KIT		B3F2H-STH-CYLK
12	Cylinder	1	
13	Bearing	1	
14	Retainer Ring	2	

PARTS KITS

The *Repair Kit* contains common wear items for this product. Users are encouraged to stock one or more repair kits considering the number of units installed and the potential downtime if machinery on which the unit is installed is critical equipment. To obtain current pricing and lead time for parts kits, contact customer service.

orders@machiii.com

ADDITIONAL PRODUCT INFORMATION

Click on the links below or copy and paste into your web browser.

To view the Installation & Maintenance Manual for this product:
http://www.machiii.com/PDF/Product-Manuals/BRAKES_FLANGE_AIR_MANUAL.pdf

For information about the application and use of this and other Mach III products:
<http://machiii.com/Application/Default.asp>



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