

BAF2K-STH

Air Engaged Friction Brake
Flange Mount



Engagement/Disengagement

Air/Spring

Facing Type

High Coefficient

Torque @ 80 PSI – Dynamic

9,673 Pound Inches

Minimum Engagement Pressure

7 PSI

Maximum Operating Pressure

80 PSI

Maximum RPM

1,300

Bore Range with Standard Keyway

1.750 (44) to 2.875 (77) Inches (mm)

Air Volume New

2.09 Cubic Inches

Air Volume Worn

12.25 Cubic Inches

Finish

Aluminum

Open or Enclosed Construction

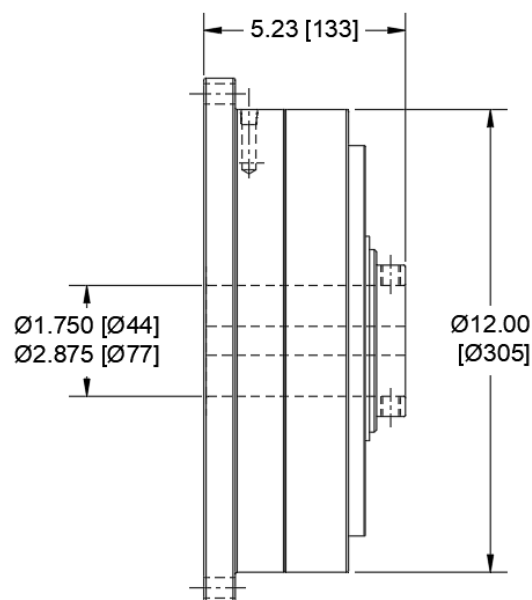
Open

Mounting Bolt Circle

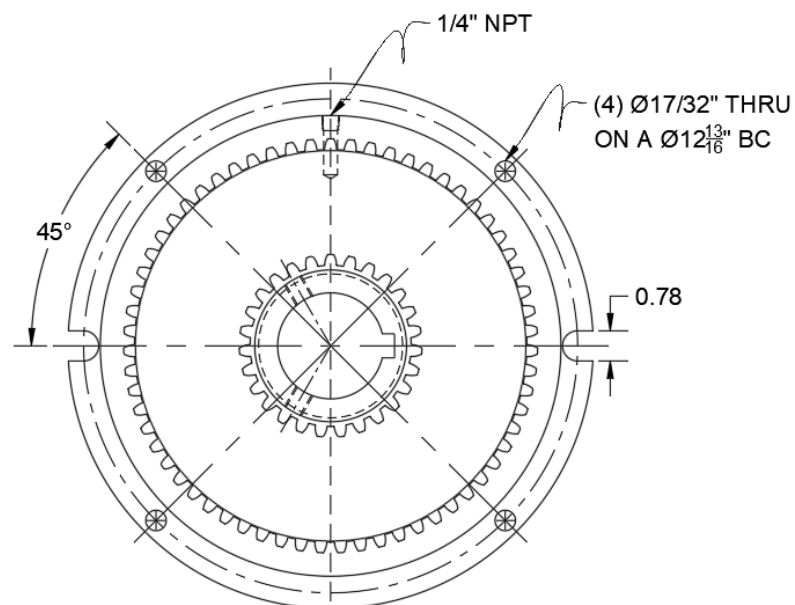
12.813 Inches

Shipping Weight

65 Pounds

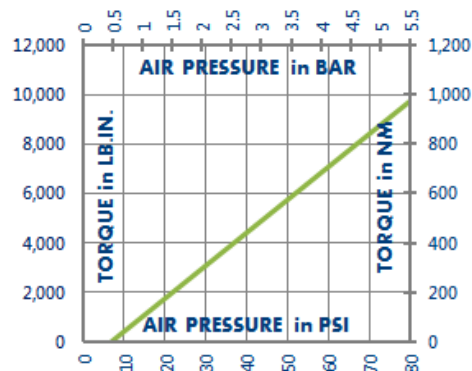


SIDE VIEW



TOP VIEW

TORQUE vs. AIR PRESSURE



NEW vs. BURNISHED TORQUE

The torque output of a new friction brake or clutch can be up to 40% less than the published torque rating. To achieve full design torque, a unit must be cycled under load to burnish the friction surfaces. The exact number of cycles varies by application.

When calculating required torque always use a safety 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. Ensure that you will have the right product for the job by contacting our engineering department for application review and selection assistance.



1580 Lake Street
Elmira, NY 14901 USA

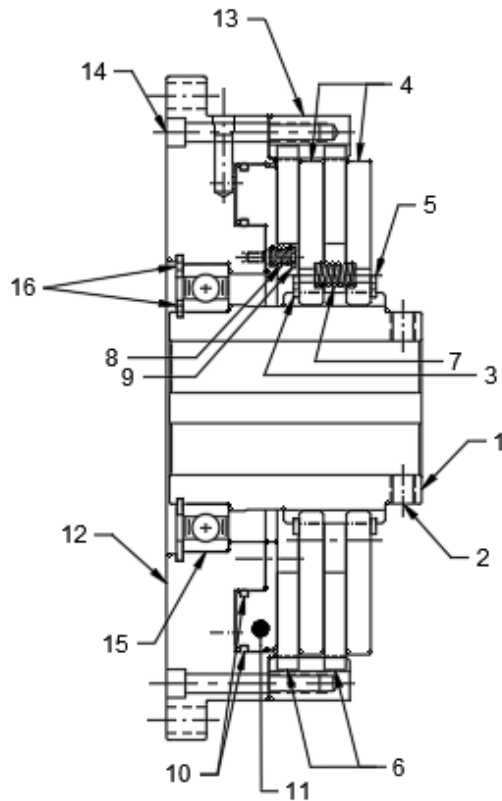
859-291-0849

machiii.com

engineering@machiii.com

BAF2K-STH

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
DRIVE HUB KIT			BAF2K-STH-HUBK
1	Drive Hub	1	<i>Specify Bore Size When Ordering</i>
2	Set Screw	2	
3	Retainer Ring	1	
DRIVE DISC KIT			BAF2K-STH-DRDK
4	Drive Disc	2	
5	Retainer Ring	1	
REPAIR KIT			BAF2K-STH-RPRK
6	Friction Disc	2	
7	Coil Spring	3	
8	Coil Spring	6	
9	Screw	6	
10	O-Ring	2	
11	PISTON	1	BAF2K-STH-P004
CYLINDER KIT			BAF2K-STH-CYLK
12	Cylinder	1	
13	Ring Gear	1	
14	Screw	9	
15	Bearing	1	
16	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

For illustrated guides showing how Mach III products work, selection guidelines, product manuals, and installation and use recommendations:

<https://machiii.com/resources/how-our-products-work>

For information about how to order, return policy and warranty information:

<https://machiii.com/resources/how-to-order>



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