

X8A2K-001

Combination Air Engaged Friction Clutch, Spring Engaged Friction Brake with Variable Speed Belt Pulley - Start and Stop the Shaft



Clutch Engagement/Brake Engagement

Air/Spring

Facing Type

High Coefficient

Clutch Torque @ 80 PSI (max) – Dynamic

5,767 Pound Inches

Brake Torque @ Spring Pressure (fixed)

2,177 Pound Inches

Brake Release Pressure

30 - 40 PSI

Maximum RPM

1,750

Bore Size with Standard Keyway

1.250

Air Volume New

4.60 Cubic Inches

Air Volume Worn

4.90 Cubic Inches

Finish

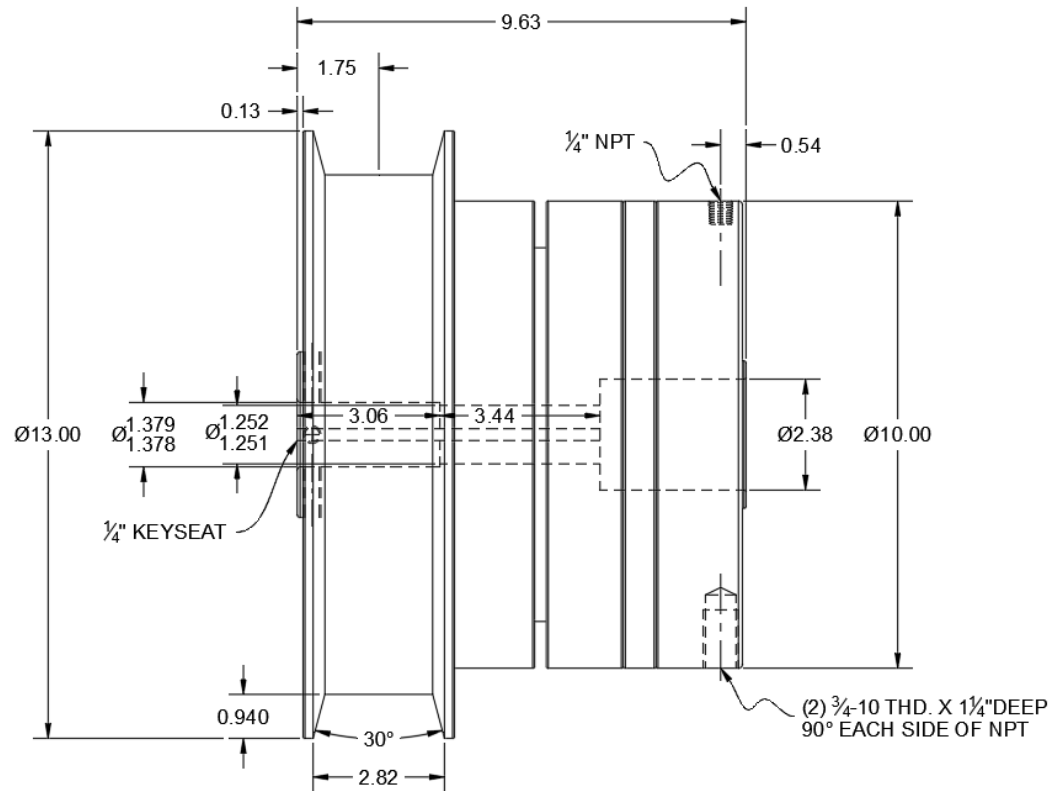
Aluminum

Open or Enclosed Construction

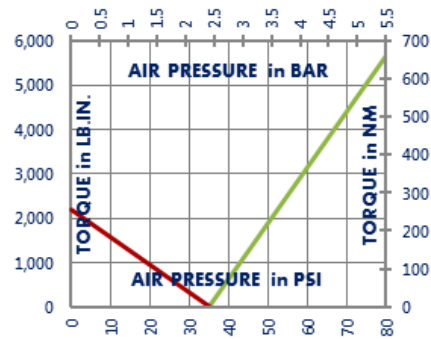
Open

Shipping Weight

130 Pounds



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.

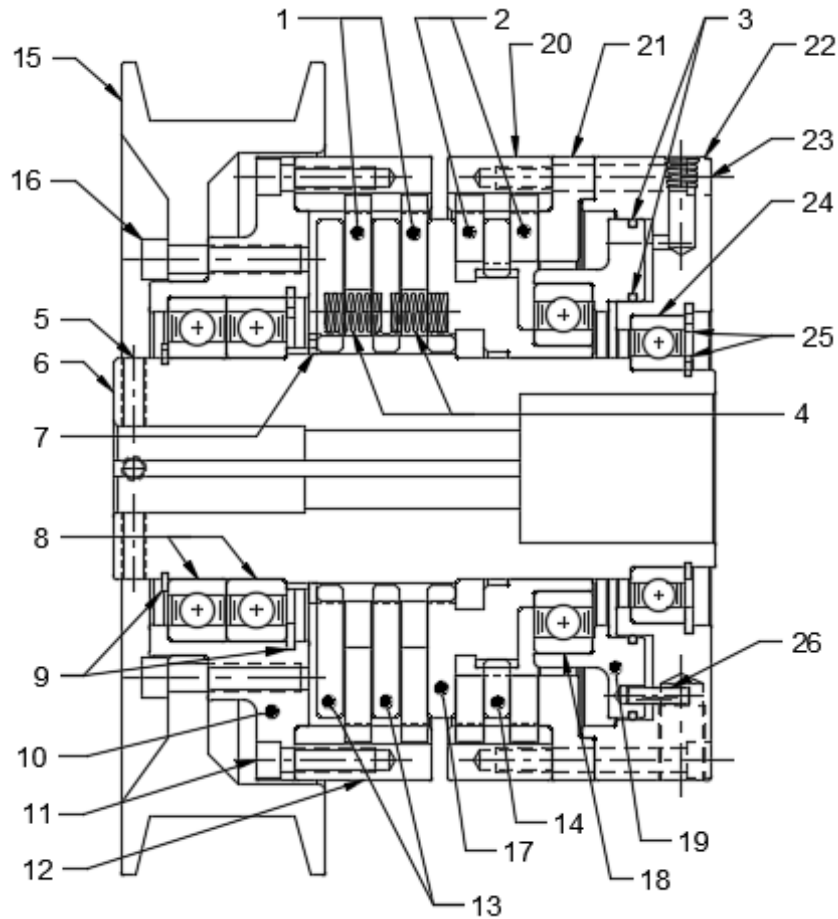


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Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	REPAIR KIT		X8A2K-001-RPRK
1	Friction Disc	2	
2	Brake Friction Disc	2	
3	O-Ring	2	
4	Spring	42	
	DRIVE HUB KIT		X8A2K-001-HUBK
5	Set Screw	3	
6	Drive Hub	1	
7	Retainer Ring	1	
	SLEEVE KIT		C8A2K-STH-SLVK
8	Bearing	2	
9	Retainer Ring	2	
10	Sleeve	1	
11	Screw	6	
12	Ring Gear	1	
	DRIVE DISC KIT		X8A2K-001-DRDK
13	Drive Disc	2	
14	Brake Drive Disc	1	
	PULLEY KIT		X8A2K-001-PULK
15	Pulley	1	
16	Screw	6	
	PISTON KIT		X8A2K-001-PSTK
17	Cone	1	
18	Bearing	1	
19	Piston	1	
	CYLINDER KIT		X8A2K-001-CYLK
20	Brake Ring Gear	1	
21	Brake Adapter	1	
22	Cylinder	1	
23	Screw	6	
24	Bearing	1	
25	Retainer Ring	2	
26	Pin	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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