



W4K2H-002

Clutch-Brake with Integral Pulley

Clutch Engagement/Brake Engagement

Air/Spring

Facing Type

High Coefficient

Clutch Torque @ 80 PSI (max) – Dynamic

712 Pound Inches

Brake Torque @ Spring Pressure (fixed)

128 Pound Inches

Brake Release Pressure

20 - 25 PSI

Maximum RPM

1,750

Bore with Standard Keyway

16mm [0.630 Inches]

Air Volume New

0.47 Cubic Inches

Air Volume Worn

1.63 Cubic Inches

Finish

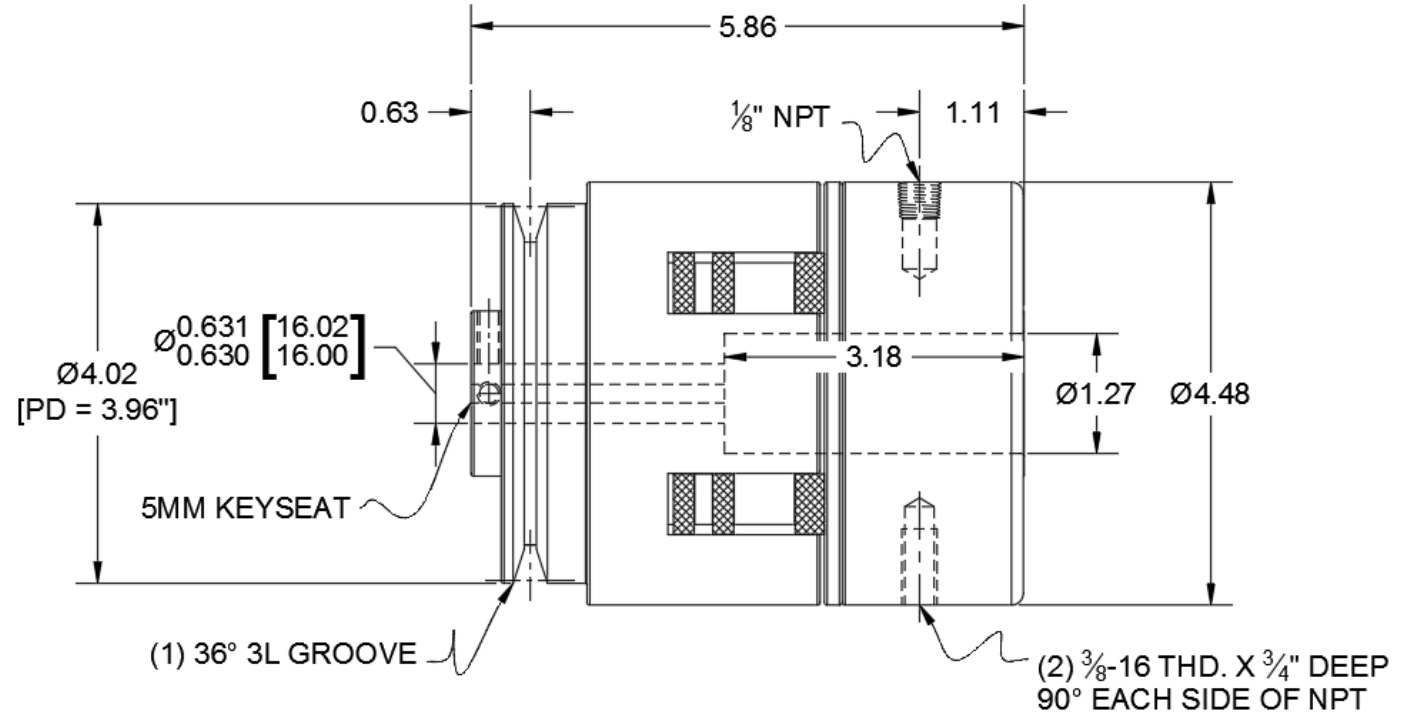
Aluminum

Open or Enclosed Construction

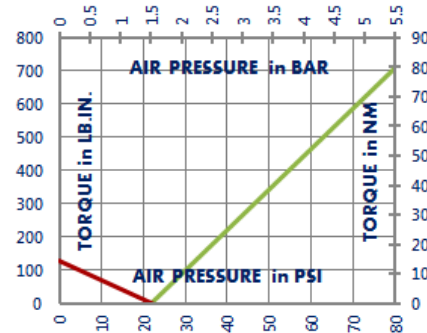
Open

Shipping Weight

12 Pounds



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.



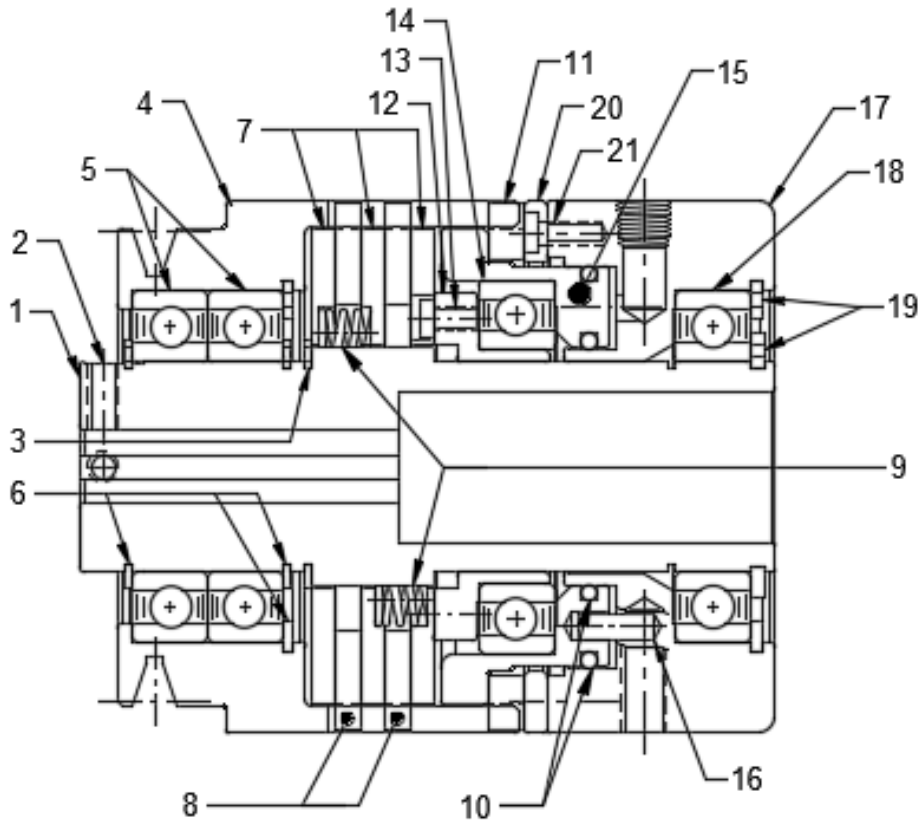
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Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	DRIVE HUB KIT		W4K2H-002-HUBK
1	Drive Hub	1	
2	Set Screw	2	
3	Retainer Ring	1	
	SLEEVE KIT		W4K2H-001-SLVK
4	Sleeve	1	
5	Bearing	2	
6	Retainer Ring	3	
	DRIVE DISC KIT		W4A2H-STH-DRDK
7	Drive Disc	3	
	REPAIR KIT		W4K2H-002-RPRK
8	Friction Disc	2	
9	Spring	12	
10	O-Ring	2	
11	Brake Friction Disc	1	
	PISTON KIT		W4A2H-STH-PSTK
12	Cone	1	
13	Screw	1	
14	Bearing	1	
15	Piston	1	
	CYLINDER KIT		W4A2H-STH-CYLK
16	Pins	6	
17	Cylinder	1	
18	Bearing	1	
19	Retainer Ring	2	
20	Brake Steel Disc	1	
21	Screw	3	

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/CLUTCHBR_PILOT_BALLBRG_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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