

Friction Clutch – Air Applied
End of Shaft Bored, Pilot Mount

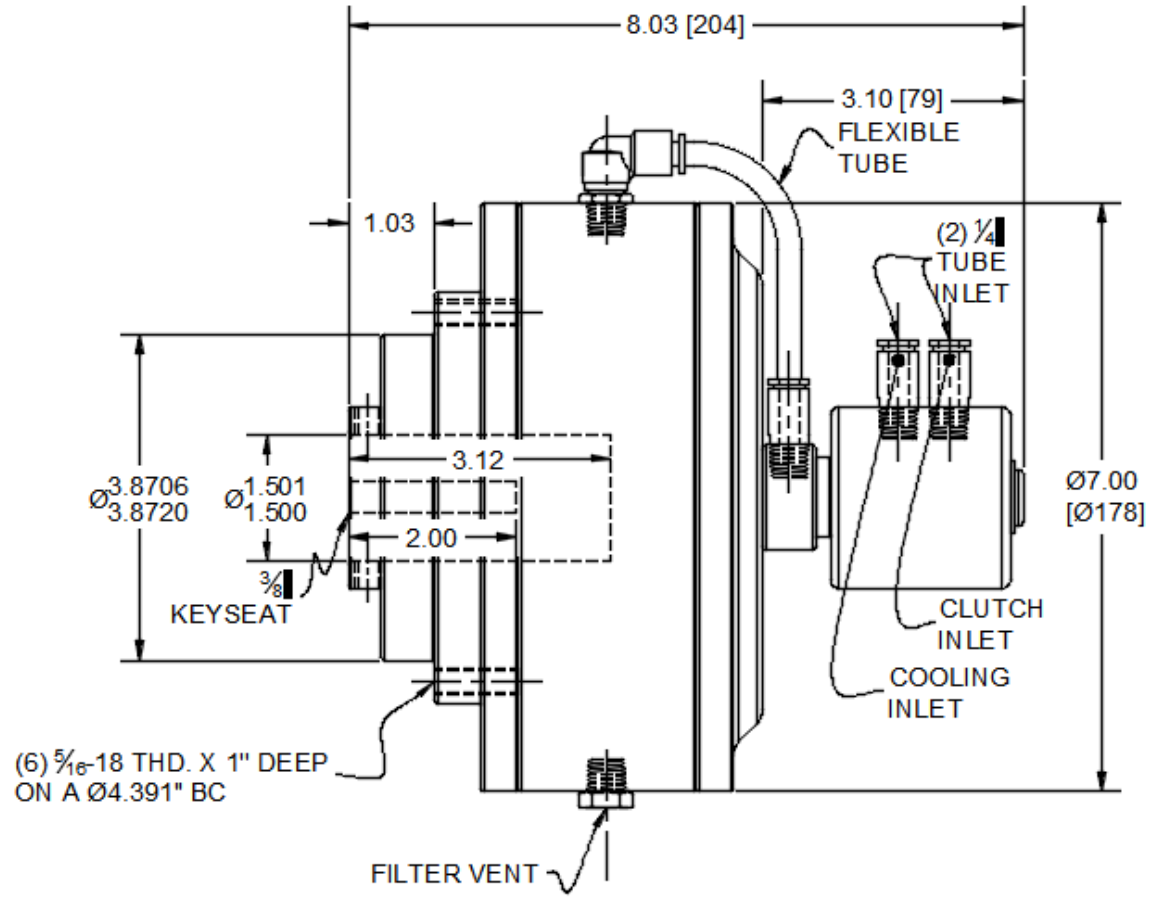


C5D2K-002

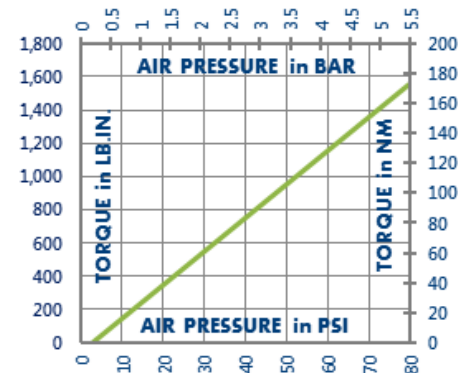
Minimum Sprocket Sizes

Chain Size	40	50	60	80
Minimum Teeth	35	29	24	19

Engagement/Disengagement	Air/Spring
Facing Type	Low Coefficient
Torque @ 80 PSI – Dynamic	1,557 Pound Inches
Minimum Engagement Pressure	2 PSI
Maximum Operating Pressure	80 PSI
Maximum RPM	1,750
Bore Range with Standard Keyway	1.313 (33) to 1.563 (40) Inches (mm)
Air Volume New	2.00 Cubic Inches
Air Volume Worn	6.07 Cubic Inches
Finish	Aluminum
Open or Enclosed Construction	Enclosed
Shipping Weight	22 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.



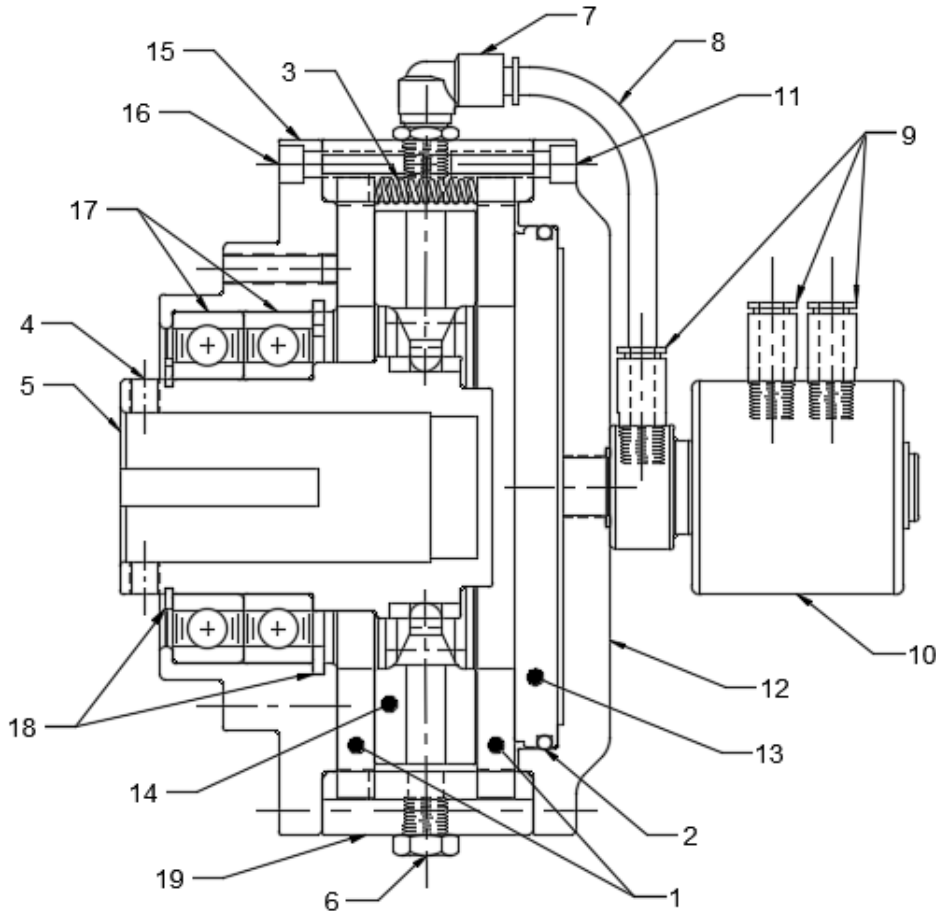
859-291-0849

engineering@machiii.com

www.machiii.com

C5D2K-002

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	REPAIR KIT		C5D2K-002-RPRK
1	Friction Disc	2	
2	O-Ring	1	
3	Coil Spring	6	
	DRIVE HUB KIT		C5D2K-002-HUBK
4	Set Screw	2	
5	Drive Hub	1	
	SEAL KIT		C5D2K-002-SELK
6	Filter Vent	1	
7	Rotating Air Seal	1	
8	Flexible Air Tube	1	
9	Push-In Brass Fitting	3	
10	Rotary Seal	1	
	CYLINDER KIT		C5D2K-002-CYLK
11	Screw	6	
12	Cylinder	1	
13	PISTON	1	C5D3K-STH-P004
14	DRIVE DISC	1	C5D2K-002-P005
	SLEEVE KIT		C5D2K-002-SLVK
15	Sleeve	1	
16	Screw	6	
17	Bearing	2	
18	Retainer Ring	2	
19	Ring Gear	1	

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://machiii.com/PDF/Product-Manuals/CLUTCH_ENDSHAFT_AIR_HD_MANUAL.pdf

For information about the application and use of this and other Mach III products:

<http://machiii.com/Application/Default.asp>



859-291-0849

engineering@machiii.com

www.machiii.com