

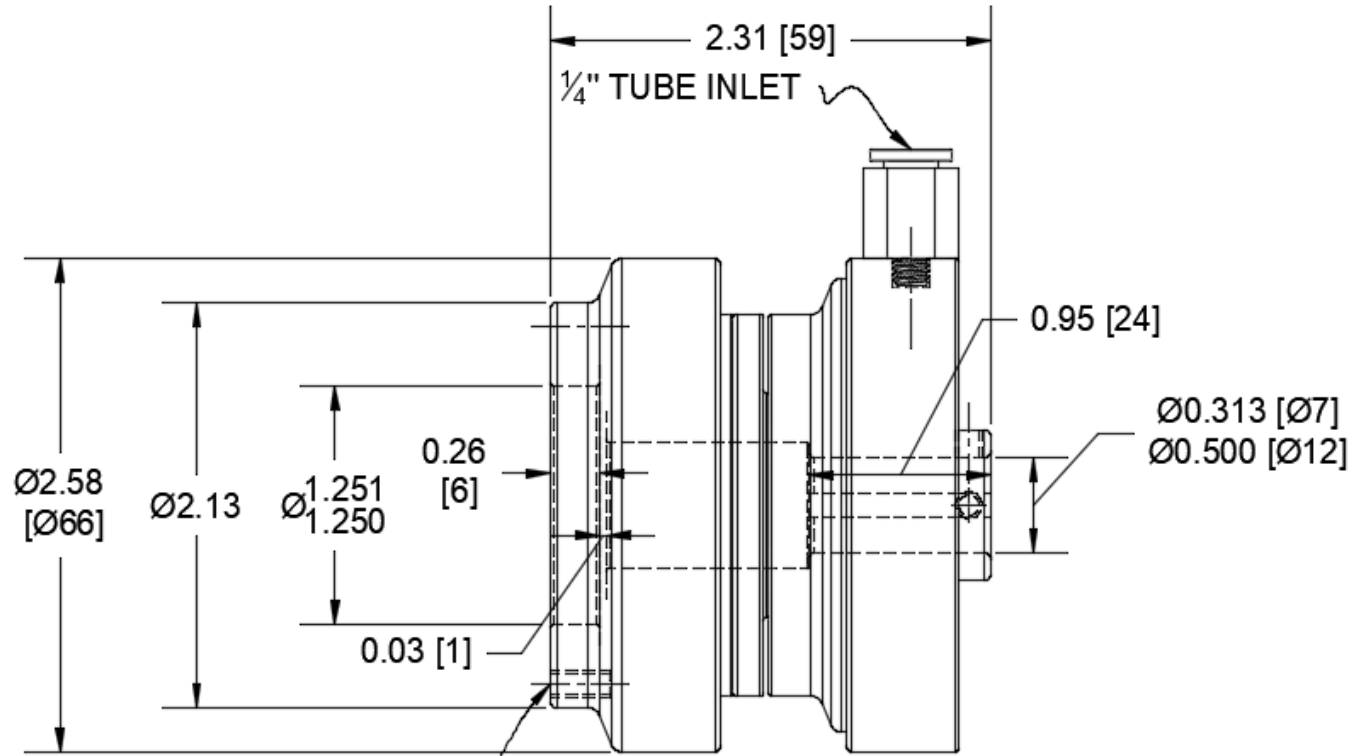
Friction Clutch – Air Applied
 Shaft to Shaft Mount - Adapter



M2R2R-STH

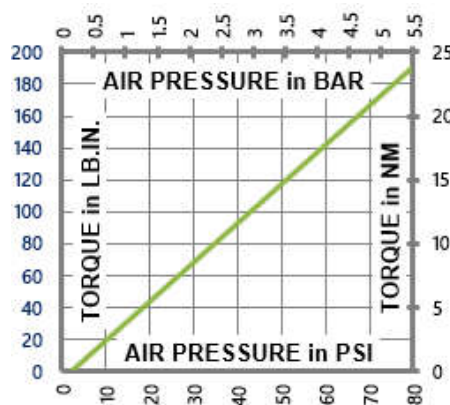
Mechanism DOES NOT support Adapter

Engagement/Disengagement
Air/Spring
Facing Type
High Coefficient
Torque @ 80 PSI – Dynamic
190 Pound Inches
Minimum Engagement Pressure
2.5 PSI
Maximum Operating Pressure
80 PSI
Maximum RPM
1,750
Bore Range with Standard Keyway
0.313 (7) to 0.500 (12) Inches (mm)
Air Volume New
0.10 Cubic Inches
Air Volume Worn
0.23 Cubic Inches
Finish
Aluminum
Open or Enclosed Construction
Open
Component Mounting Bolt Circle
1.875 Inches
Shipping Weight
1 Pounds



(3) 6-32 THD X 5/16" DEEP
 ON A Ø1.875" [47.62] BC

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.



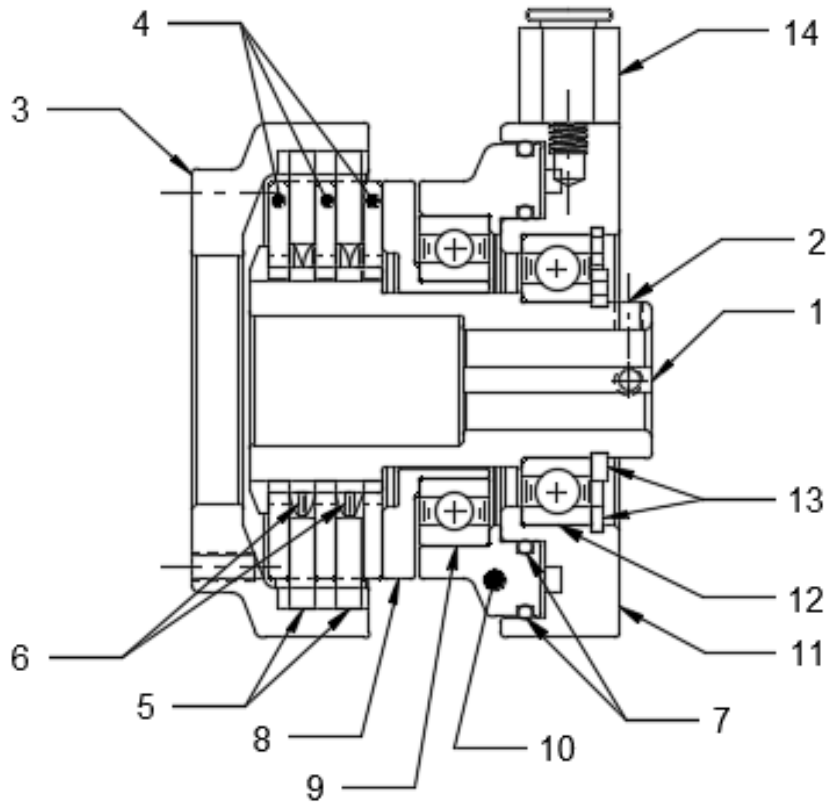
859-291-0849

engineering@machiii.com

www.machiii.com

M2R2R-STH

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
DRIVE HUB KIT			M2G2R-STH-HUBK
1	Drive Hub	1	<i>Specify Bore Size When Ordering</i>
2	Set Screw	2	
3	ADAPTER	1	M2R2R-STH-P046
DRIVE DISC KIT			C2A2R-STH-DRDK
4	Drive Disc	3	
REPAIR KIT			M2G2R-STH-RPRK
5	Friction Disc	2	
6	Wave Spring	2	
7	O-Ring	2	
PISTON KIT			C2A2R-STH-PSTK
8	Cone	1	
9	Bearing	1	
10	Piston	1	
CYLINDER KIT			C2A2R-STH-CYLK
11	Cylinder	1	
12	Bearing	1	
13	Retainer Ring	2	
14	AIR SEAL	1	RSEAL-034

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/CLUTCH MECH W ADAPT AIR RD MANUAL.pdf](http://www.machiii.com/PDF/Product-Manuals/CLUTCH_MECH_W_ADAPT_AIR_RD_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