

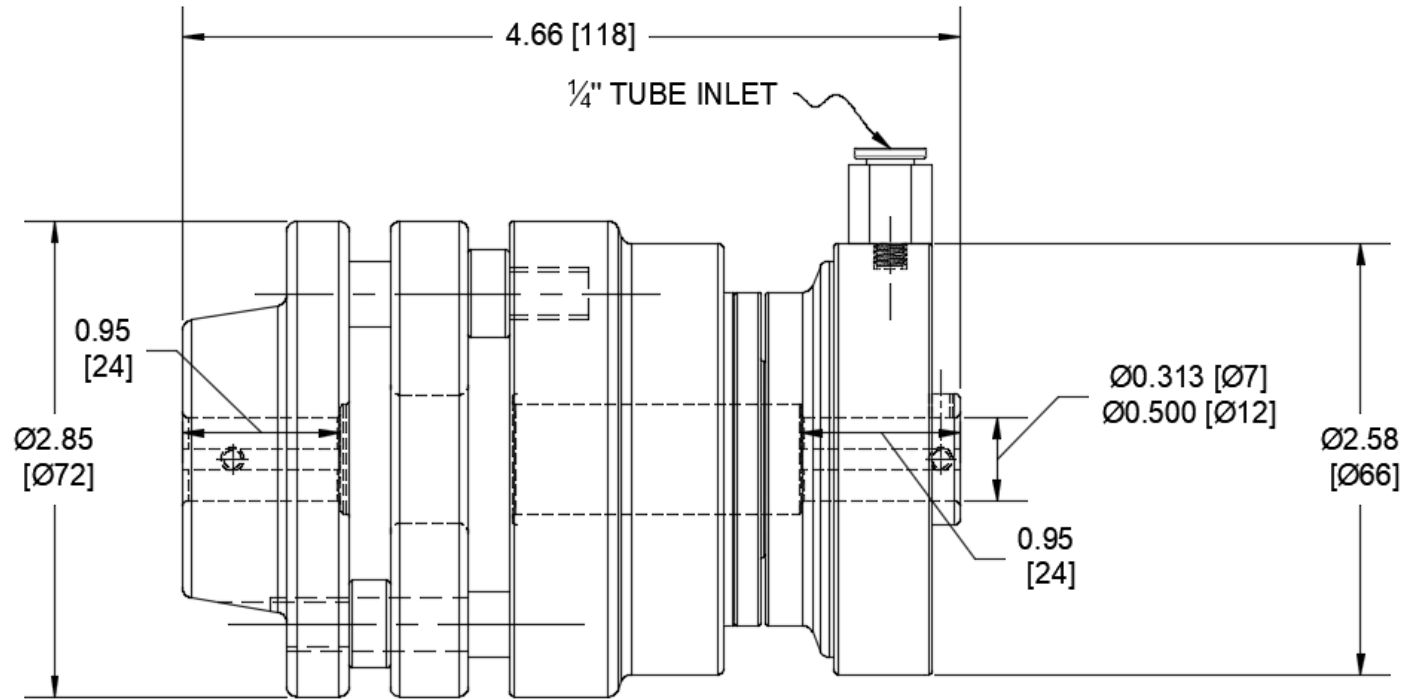
Friction Clutch – Air Applied
Flexible Clutch Coupling



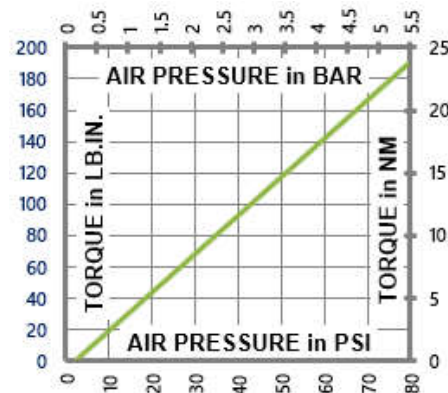
C2H2R-STH

Mechanism DOES NOT support Coupling

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
Shipping Weight	2 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.



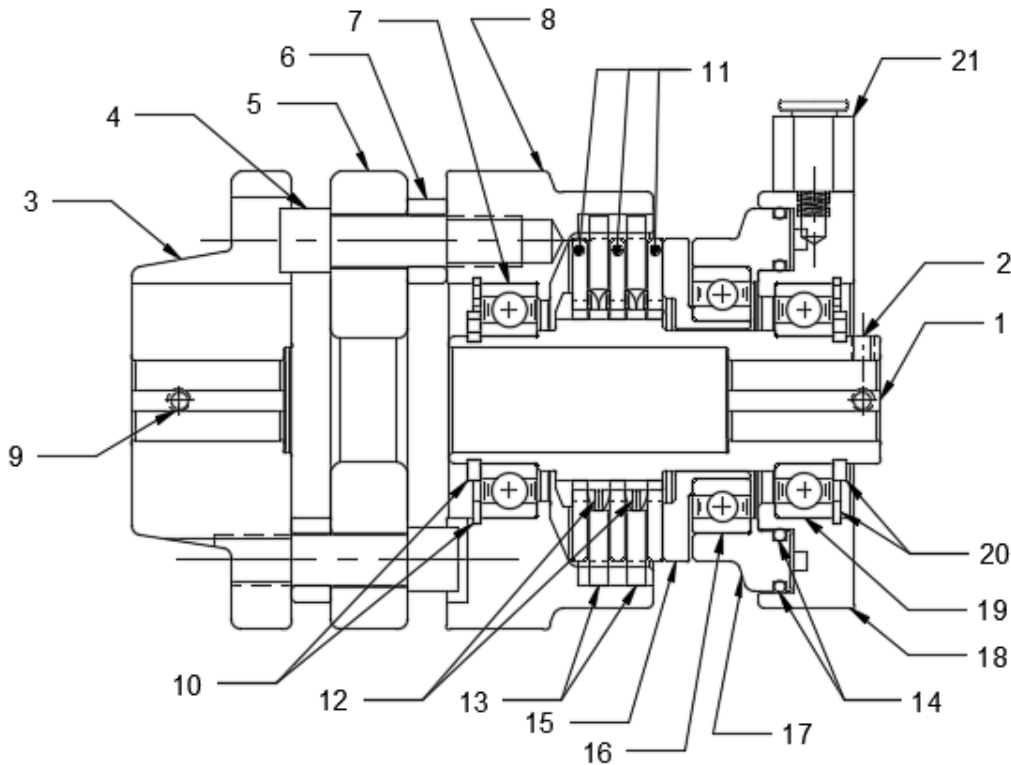
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C2H2R-STH

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
DRIVE HUB KIT			C2H2R-STH-HUBK
1	Drive Hub	1	<i>Specify Bore Size When Ordering</i>
2	Set Screw	2	
SLEEVE KIT			C2H2R-STH-SLVK
3	Coupling	1	<i>Specify Bore Size When Ordering</i>
4	Screw	4	
5	Elastomeric Element	1	
6	Spacer	4	
7	Bearing	1	
8	Sleeve	1	
9	Set Screw	1	
10	Retainer Ring	2	
DRIVE DISC KIT			C2A2R-STH-DRDK
11	Drive Disc	3	
REPAIR KIT			C2H2R-STH-RPRK
12	Wave Spring	2	
13	Friction Disc	2	
14	O-Ring	2	
FACING KIT			C2A2R-STH-PSTK
15	Cone	1	
16	Bearing	1	
17	Piston	1	
CYLINDER KIT			C2A2R-STH-CYLK
18	Cylinder	1	
19	Bearing	1	
20	Retainer Ring	2	
21	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://machiii.com/PDF/Product-Manuals/CLUTCH_FLEXCOUPL_AIR_RD_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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