

E8H3K-001

Spring Engaged Friction Clutch with Flexible Coupling



Engagement/Disengagement

Spring/Air

Facing Type

High Coefficient

Torque @ 0 PSI – Dynamic

10,806 Pound Inches

Minimum Disengagement Pressure

77 PSI

Maximum Operating Pressure

90 PSI

Maximum RPM

1,325

Bore with Standard Keyway

2.000 Inches [Clutch] / 1.750 Inches [Coupling]

Air Volume/Cycle

5.45 Cubic Inches

Finish

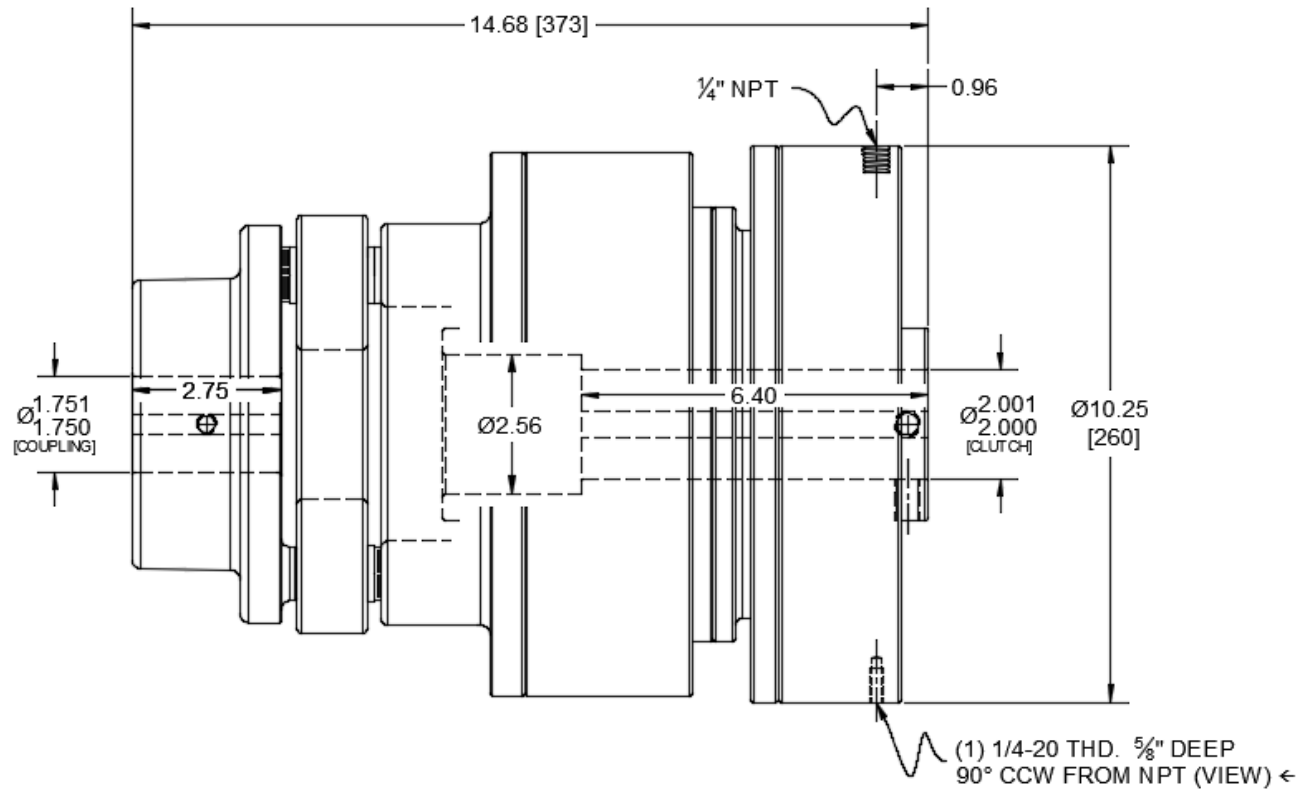
Aluminum

Open or Enclosed Construction

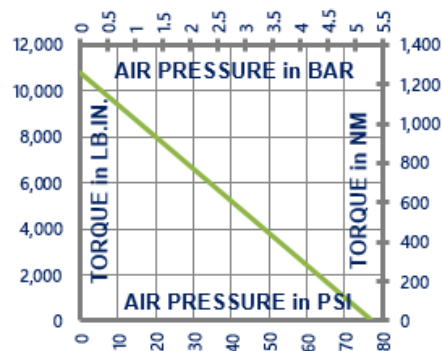
Open

Shipping Weight

75 Pounds



TORQUE vs. SPRING 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.



101 Cummings Drive
Walton, KY 41094 USA

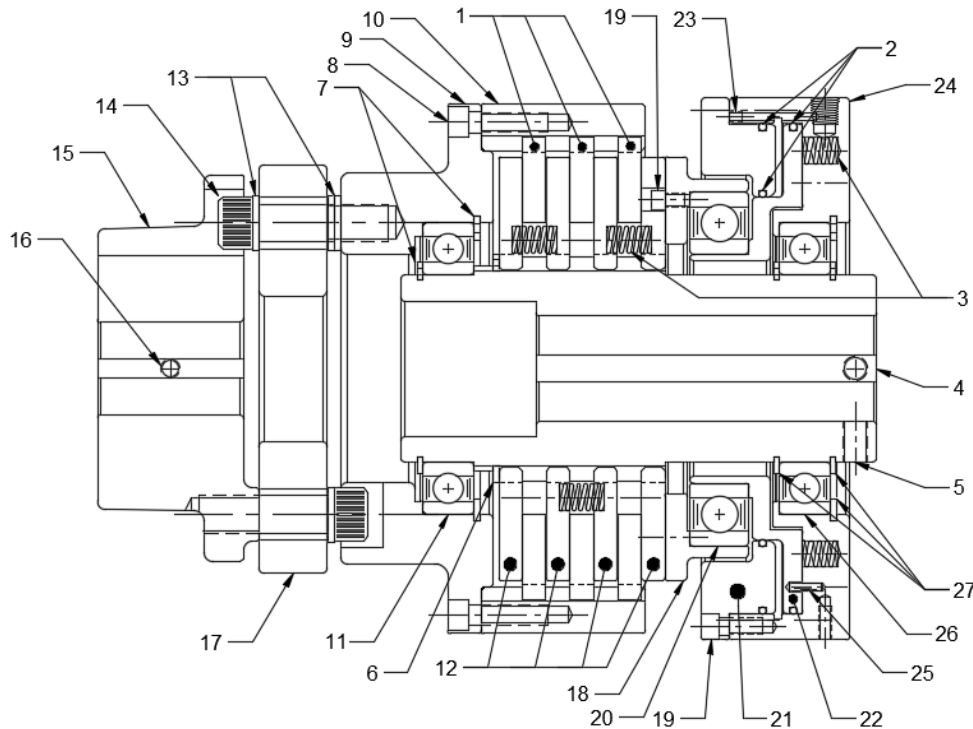
859-291-0849

machiii.com

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Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
REPAIR KIT			E8H3K-001-RPRK
1	Friction Disc	3	
2	O-Ring	3	
3	Coil Spring	49	
DRIVE HUB KIT			E8H3K-001-HUBK
4	Drive Hub	1	
5	Set Screw	2	
6	Retainer Ring	1	
SLEEVE KIT			E8H3K-001-SLVK
7	Retainer Ring	2	
8	Screw	6	
9	Sleeve	1	
10	Ring Gear	1	
11	Bearing	1	
DRIVE DISC KIT			E8H3K-001-DRDK
12	Drive Disc	4	
COUPLING KIT			E8H3K-001-CPLK
13	Washer	12	
14	Screw	6	
15	Coupling	1	
16	Set Screw	1	
17	Rubber Element	1	
PISTON KIT			E8A2K-STH-PSTK
18	Cone	1	
19	Screw	4	
20	Bearing	1	
21	Top Plate	1	
22	Piston	1	
CYLINDER KIT			E8A2K-STH-CYLK
23	Set Screw	1	
24	Cylinder	1	
25	Pin	2	
26	Bearing	1	
27	Retainer Ring	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

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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