

# V3R2H-STL

Mechanical Friction Torque Limiter  
Mechanism with Adapter



*Important: Both shaft and connected component must be bearing supported.*

*Designed for brief overloads.  
Does not automatically disconnect.*

## Engagement/Disengagement

Spring/None

## Facing Type

Low Coefficient

## Minimum Torque Setting

80 Pound Inches

## Maximum Torque Setting (Spring Compression $\approx 31\%$ )

792 Pound Inches

## Maximum RPM

1,750

## Bore Range with Standard Keyway

0.750 (19) to 1.000 (24) Inches (mm)

## Finish

Aluminum

## Open or Enclosed Construction

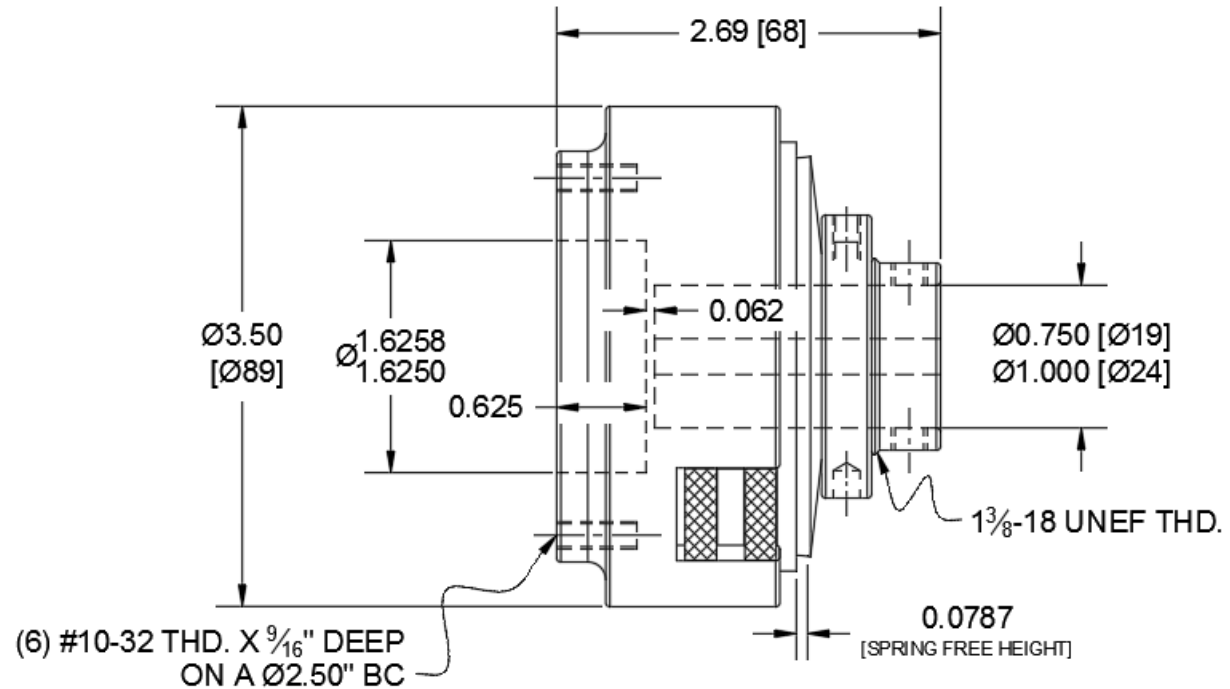
Open

## Component Mounting Bolt Circle

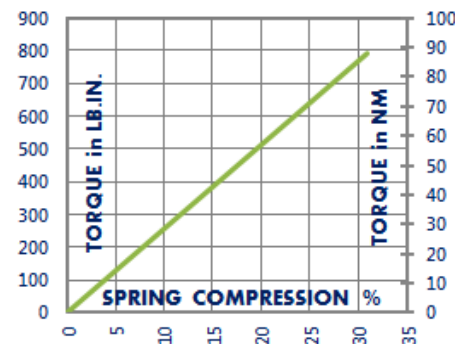
2.500 Inches

## Shipping Weight

2 Pounds



## TORQUE vs. SPRING PRESSURE



## NEW vs. BURNISHED TORQUE

The torque output setting of a friction torque limiter is set at the factory or in the field when new. (All torque settings are  $\pm 10\%$ .) Repeated overload will burnish the friction surfaces and may increase the slip torque setting. The torque setting should be tested after prolonged or frequent overload and re-set if needed.

## 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.

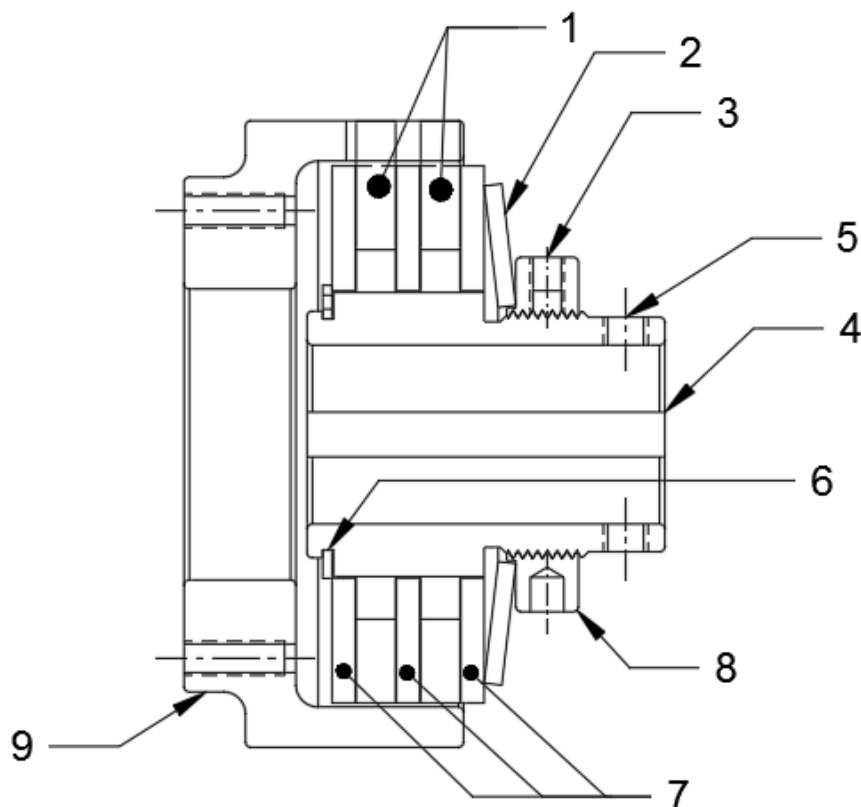


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# V3R2H-STL

## Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	<b>REPAIR KIT</b>		<b>V3R2H-STL-RPRK</b>
1	Friction Disc	2	
2	Disc Spring	1	
3	Nylon Point Set Screw	1	
	<b>DRIVE HUB KIT</b>		<b>V3G2H-STL-HUBK</b>
4	Drive Hub	1	<i>Specify Bore Size When Ordering</i>
5	Set Screw	2	
6	Retainer Ring	1	
	<b>DRIVE DISC KIT</b>		<b>C3D2H-STH-DRDK</b>
7	Drive Disc	3	
	<b>FACING KIT</b>		<b>V3R2H-STL-FCGK</b>
1	Friction Disc	2	
3	Nylon Point Set Screw	1	
	<b>NUT KIT</b>		<b>3000-NUTK</b>
8	Nut	1	
3	Nylon Point Set Screw	1	
9	ADAPTER	1	<b>M3G2H-STH-P046</b>

### 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](mailto: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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