

VBR1K-002

Mechanical Friction Torque Limiter
Mechanism with Adapter



Designed for brief overloads.
Does not automatically disconnect.

Mechanism DOES NOT support Adapter

Engagement/Disengagement

Spring/None

Facing Type

High Coefficient

Factory Torque Setting +/-10%
(Spring Compression ≈ 12%)

6,500 Pound Inches

Maximum RPM

1,200

Drive Pilot Diameter / Bolt Circle

4.13 / 4.75

Finish

Steel

Open or Enclosed Construction

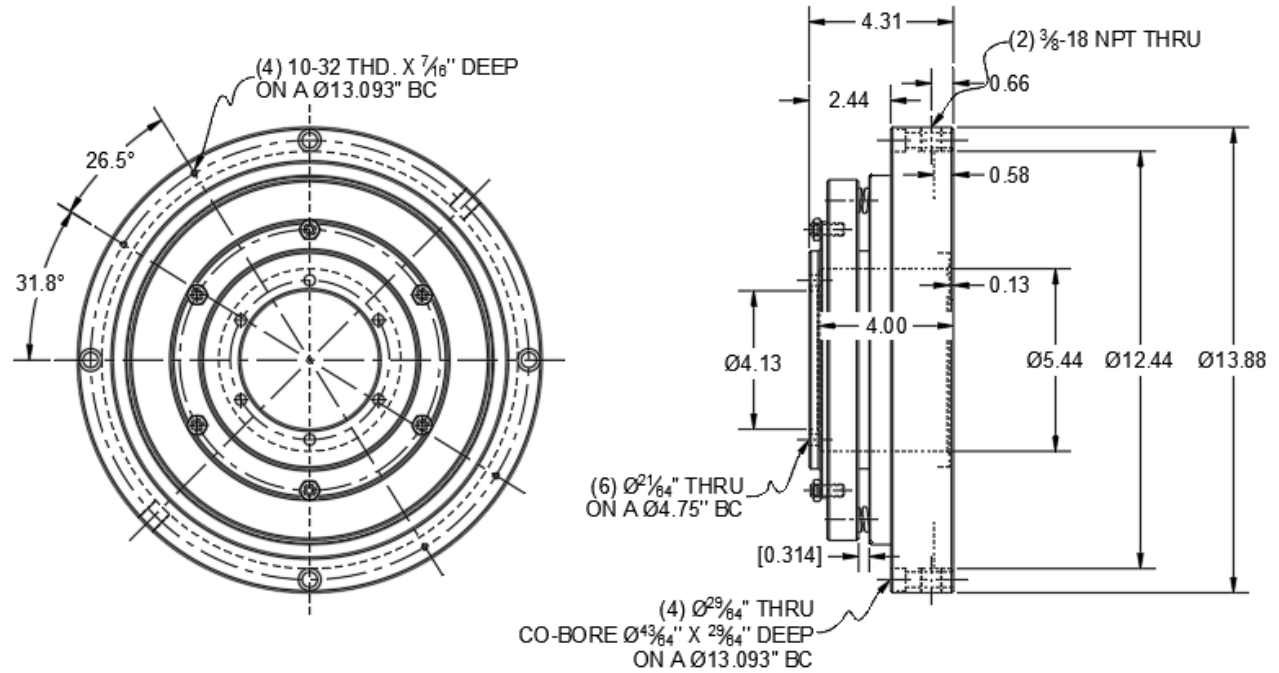
Open

Adapter Mounting Bolt Circle

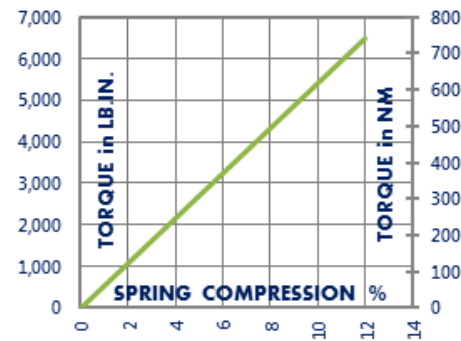
13.093 Inches

Shipping Weight

25 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 +/- 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.



101 Cummings Drive
Walton, KY 41094 USA

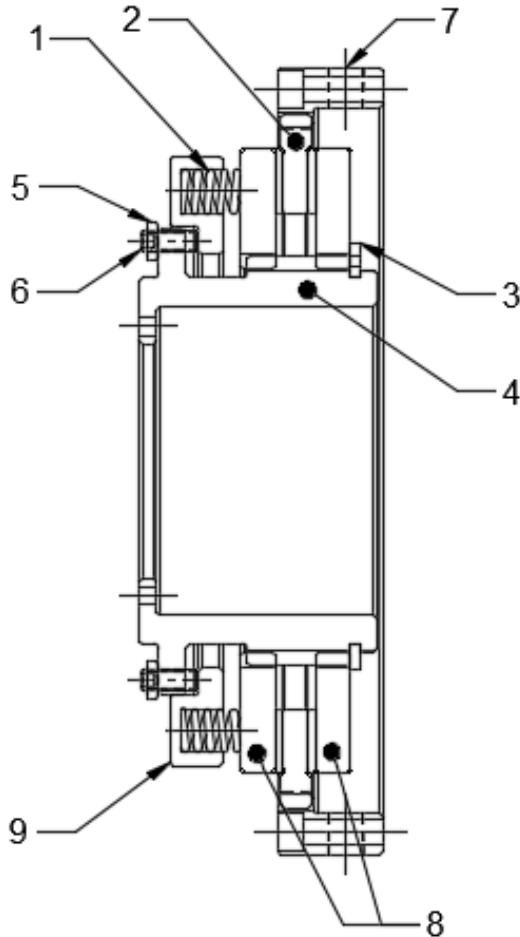
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VBR1K-002

Parts Diagram



REF#	DESCRIPTION & PARTS INCLUDED	QUANTITY	KIT NUMBER
	REPAIR KIT		VBR1K-002-RPRK
1	Coil Spring	21	
2	Bonded Friction / Drive Disc	1	
	DRIVE HUB KIT		VBR1K-002-HUBK
3	Retainer Ring	1	
4	Drive Hub	1	
5	Jam Nut	6	
6	Oval Point Set Screw	6	
7	RING GEAR	1	VBR1K-001-P032
	DRIVE DISC KIT		VBR1K-002-DRDK
8	Drive Disc	2	
	FACING KIT		VBR1K-002-FCGK
2	Bonded Friction / Drive Disc	1	
9	SPRING RETAINER	1	VBR1K-001-P039

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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