

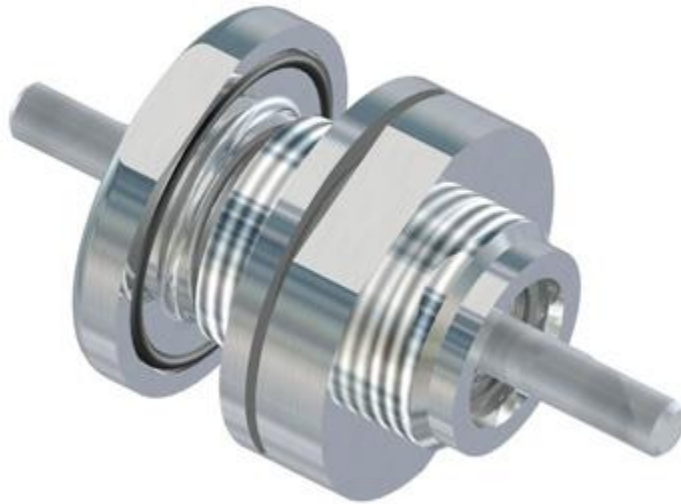
Ideal Vacuum Feedthrough PN:P1013727

Ferrotec Model Feedthrough Model Model SS-250-SLBE, PN:107519

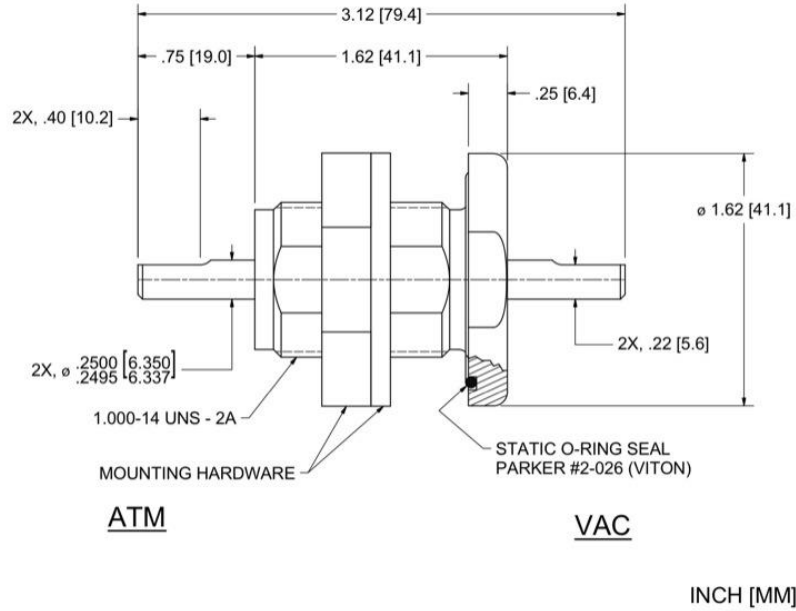
Product Description

Ferrotec's Ferrofluidic seal Feedthrough Model SS-250-SLBE (part number 107519) is a member of Ferrotec's Nut-Mount Feedthroughs. The SS-250-SLBE vacuum rotary feedthrough uses Ferrotec's standard hydrocarbon-based ferrofluid, specifically optimized for introducing rotary motion with a magnetic liquid hermetic seal in most Standard environments.

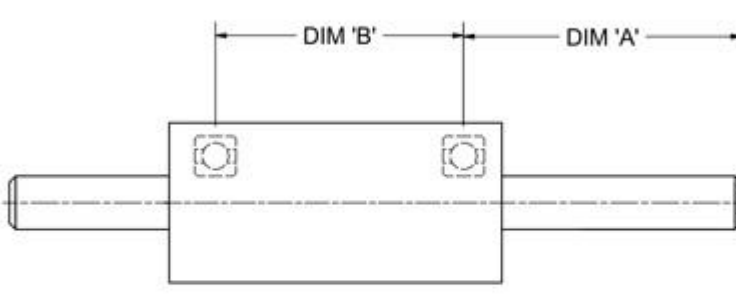
The SS-250-SLBE vacuum rotary feedthrough features a Solid shaft with Nut Mounted (threaded body) mounting. Dimensional details are specified below. For precision measurement specifications, refer to the Spec Control Drawing.



Ferrotec Part Number 107425 Dimension Specification Drawing



Specifications for Ferrotec Part Number 107519	
Shaft	Solid Shaft
Shaft Support:	Simply Supported (vac+atm sides)
Ferrofluid	Standard
Mounting	Nut Mounted (threaded body) Mounting Nut and Washer Included
Dimensions:	
Shaft (or bore) Diameter with tolerance	0.25 in
Shaft termination	.030d x .40L (flat) in
Shaft extension (Vac)	0.755 in
Overall length	3.125 in
Housing overall length	1.62 in
Housing diameter	1 in
Body length	1.62 in
Thread diameter	1 in
Thread pitch [tps] or [mm/thd] (metric)	14 [tps]
Thread length	1.13 in
Recommended mounting bore	1.025
Flange diameter	1.62 in

Flange thickness	0.25 in
Flange wrench flat	1.5 in
Face seal O-ring	2-026
Bearing Specifications:	
Bearing type/material	SR4
Bearing Dim A	0.94 in
Bearing Dim B	1.2 in
	
Performance Characteristics:	
Shaft Torque Capacity	15.5 in-lb
Starting Torque 100rpm ·	0.19 in-oz
Running Torque 100rpm ·	0.11 in-oz
Starting Torque 1000rpm ·	0.34 in-oz
Running Torque 1000rpm ·	0.17 in-oz
Limiting Speed [rpm]	10000

Note:

* See the Drag Torque section of the [Determining your Requirements](#) page for the definition of starting torque

** Values are for a feedthrough at room temperature. Under continuous rotation the unit will warm-up, and the running torque will decrease.

*** Water cooling may permit significantly higher speed. Consult your Field Engineer.

General vacuum seal specifications can be found on [Ferrotec's Standard Feedthrough Common Specifications page](#).

For an explanation of Ferrotec's flange mounting terminology, consult [Ferrotec's Flange Mount Options page](#).