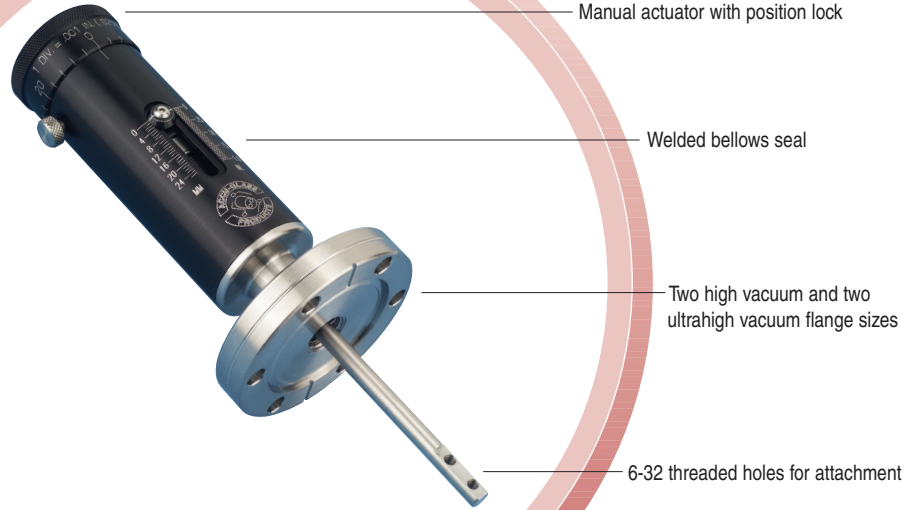


Accu-Glass Products precision HTL series linear motion feedthroughs are designed to operate at temperatures as high as 250°C. Linear movement is measured in 0.001 inch increments on the rotary barrel scale and 0.025 inch increments on the linear body scale, which are laser etched into the black anodized aluminum finish.

They are constructed of aluminum and stainless steel, where only stainless steel surfaces are exposed to the vacuum environment.

In-vacuum bearings are film lubricated with a UHV compatible Krytox® lubricant, while air side bearings are lubricated with high-temperature Krytox® lubricant. The linear shaft is sealed with an AM-350 edge-welded bellows.

Feedthroughs are available on Conflat® style CF metal seal or ISO-KF style elastomer seal flanges.



### Features

- All precision bearings — no bushings
- 1 and 2 inch linear travel
- High temperature rated to 250°C
- UHV compatible construction
- Conflat® compatible flange mounts
- ISO compatible flange mounts
- Welded bellows seal
- Manual actuator
- Linear position lock
- Optional stepper motor or air actuator

### Specifications Notes

1 Overall assembly ratings must be adjusted to that of the lowest rated component.

All dimensions are in inches unless specified otherwise.

### Specifications

Material	
Body	SST
Housing	Anodized Al
Bellows, Edge-Welded	AM-350
Vacuum Range	
UHV, Ultrahigh vacuum	1x10 <sup>-10</sup> Torr
HV, High vacuum	1x10 <sup>-8</sup> Torr

### Temperature Range<sup>1</sup>

Feedthrough	250°C
Flange, CF Style	450°C
Flange, ISO Style	150°C

### Load

Axial	5 lb maximum
Lateral	5 lb at 2 inch extension maximum

### Resolution

Linear Scale	0.025 Inch
Rotary Scale	0.001 Inch