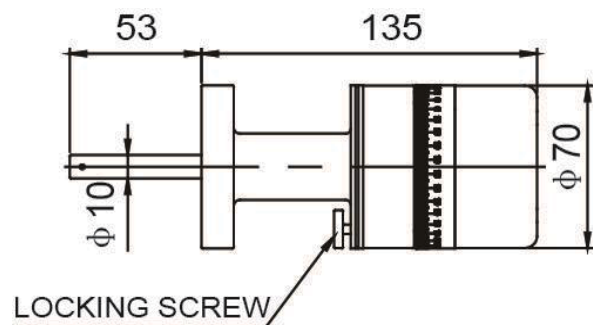
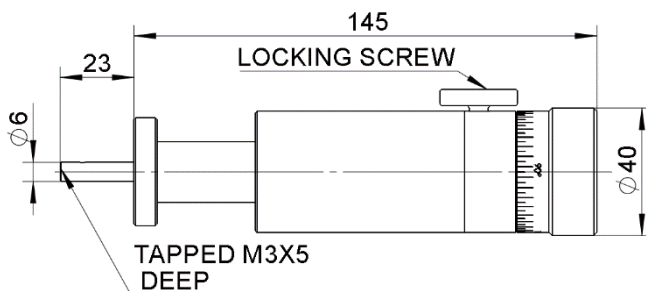


# Rotary Motion Feedthroughs

## Bellow Coupled Rotary Feedthrough

- Continuous Rotary Motion
- Manual/Step Motor Actuator
- Bellows Sealed
- Backlash <0.1° (with Step Motor)
- Resolution <0.2° (with Step Motor)
- Laser Etched Scale in 1° Increments
- Bakeable to 200°C
- Max Rotating Speed: 30 RPM
- Lifetime > 100,000 Cycles
- Standard ConFlat Mounting Flange
- UHV Rated to 10<sup>-11</sup> mbar
- Life Time: 100,000 revolutions



Dimensions of BRD16 (Left) and BRD35 (right) , details or 3D models on request

Flange OD		Actuation	Resolution	Weight (kg)	Part Number
mm	inch				
34	1.33	Manual	1°	0.5	BRD16
		Step Motor	0.2°	1.1	BRD16M
70	2.75	Manual	1°	1.3	BRD35
		Step Motor	0.2°	3.0	BRD35M

These rotary motion feedthroughs are low backlash instruments with a display resolution of 0.1°. Welded stainless steel bellows, a unique off-axis wobble design and the use of rotary shaft bearing support provide long life and smooth operation. Feedthroughs are available on CF flanges.

Motorization option is available, motor controls must be purchased separately.

These feedthroughs are designed for high-precision applications such as Sample Manipulation, the shaft length could be customized to fit the end user's request.