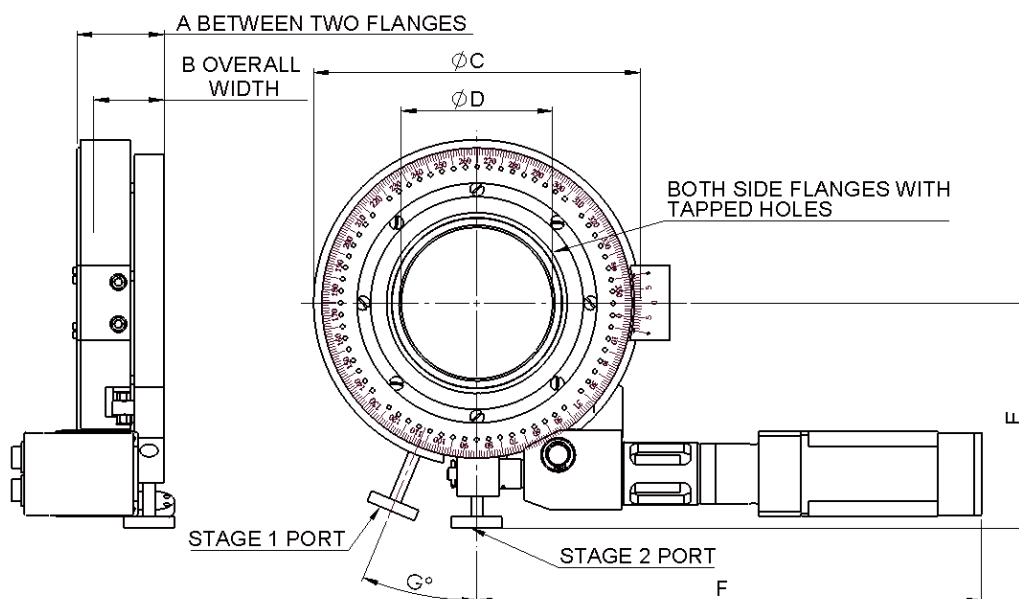


Rotary Motion Feedthroughs

Differential Pumped Rotary Feedthrough

- Continuous Rotary Motion
- Manual/Step Motor Actuator
- Precision Ball Bearings and Quality PTFE
- Etched Scale in 0.1° Increments
- Bakeable to 150°C
- High Load Carrying Capability
- Standard Conflat Mounting Flange
- Two Stage Differential Pumping for UHV Performance
- Both Side Standard Tapped ConFlat Flanges.
- C-ring Life Time: > 6,000 resolution/2years



Flange OD		Actuation	A	B	C	D	E	F	G	Resolution	Weight (kg)	Part Number
mm	inch											
114	4.5	Manual	54	50	146	35	104	355	45	0.1°	4.5	DRPF4
		Step Motor								0.005°	6.5	DPRF4M
152	6	Manual	58	47	218	101	127	337	23	0.1°	10	DPRF6
		Step Motor								0.005°	12	DPRF6M

This device allows UHV equipment to be rotated about the flange axis for concentric polar rotation (eucentric motion about the flange axis). Applications include sample imaging (XPS, AES or SIMS), structural or ion/neutral/atom scattering experiments.

This provides primary rotation for other components in mix and match applications. It could be used as modular part to build UHV multi-axis manipulation mechanism.