

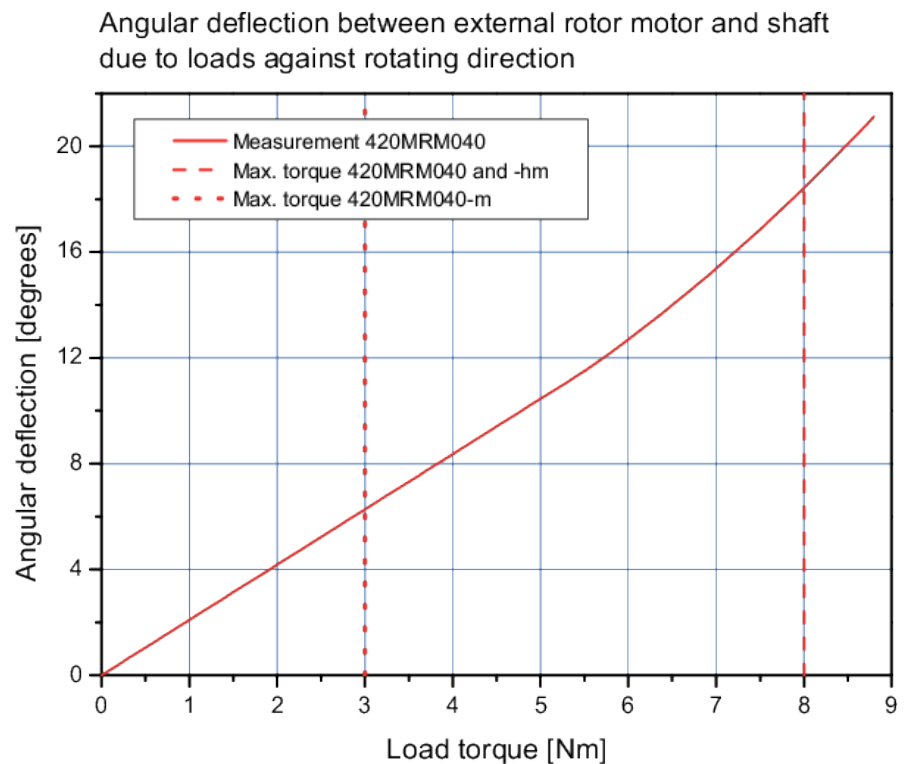
Magnetically coupled Rotary Feedthrough, Motorized, DN 40 CF



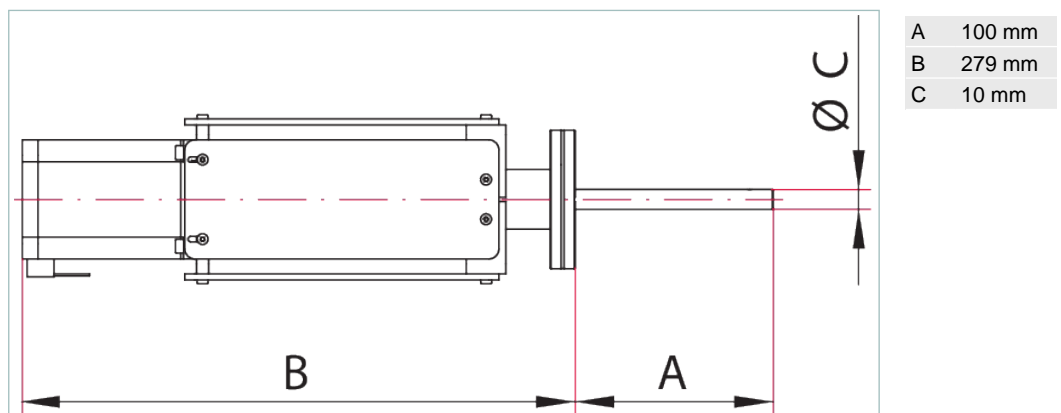
Similar Image

Magnetically coupled Rotary Feedthrough, Motorized, DN 40 CF

- Magnetic coupling with samarium-cobalt magnets
- Stainless steel ball bearing with dry lubrication, suitable for UHV
- Hermetically sealed, suitable for UHV



Dimensions



Technical Data

Magnetically coupled Rotary Feedthrough, Motorized, DN 40 CF

Ambient temperature

-10-50 °C | 14-122 °F | 263-323 K

Technical Data	Magnetically coupled Rotary Feedthrough, Motorized, DN 40 CF
Angle of rotation	360 °
Angle of rotation backlash	backlash-free without torsional load
Angular deflection	See diagram in datasheet
Bakeout temperature with electric parts	80 °C 176 °F 353 K
Bakeout temperature without electric parts	200 °C 392 °F 473 K
Cable length	0.15 m
Control	Without driver and controller
Current max.	4,2 A
Lowest angular resolution	0.45 °
Material	1.4301 Stainless steel; Aluminum blank and anodized
Max. load perpendicular to the axis (at end of shaft)	200 N
Motor version	2-ph motor
Nominal diameter	DN 40 CF
Operating temperature max.	60 °C 140 °F 333 K
Pressure range	1 · 10 ⁻¹⁰ hPa to 500 hPa over pressure
Rotation speed	≥ 500 rpm ≥ 500 min ⁻¹
Shaft connection	with threaded hole, vented: M5x10
Supply: Voltage V DC	28 – 48 V DC
Temperature: Operating	60 °C 140 °F 333 K
Tightness	1 · 10 ⁻¹¹ Pa m ³ /s 7.5 · 10 ⁻¹¹ Torr l/s 1 · 10 ⁻¹⁰ mbar l/s
Torque	max. 3 Nm
Transmission	optional available
Weight	4.8 kg 10.58 lb

Order number	
Rotary Feedthrough	420MRM040-m

Accessories	
OFHC Copper (Oxygen Free)	
Copper Gasket, OFHC-copper, DN 40 CF	490DFL040-S10

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