Rotary feedthrough, DN 16 ISO-KF

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Rotary feedthrough, elastomer-sealed

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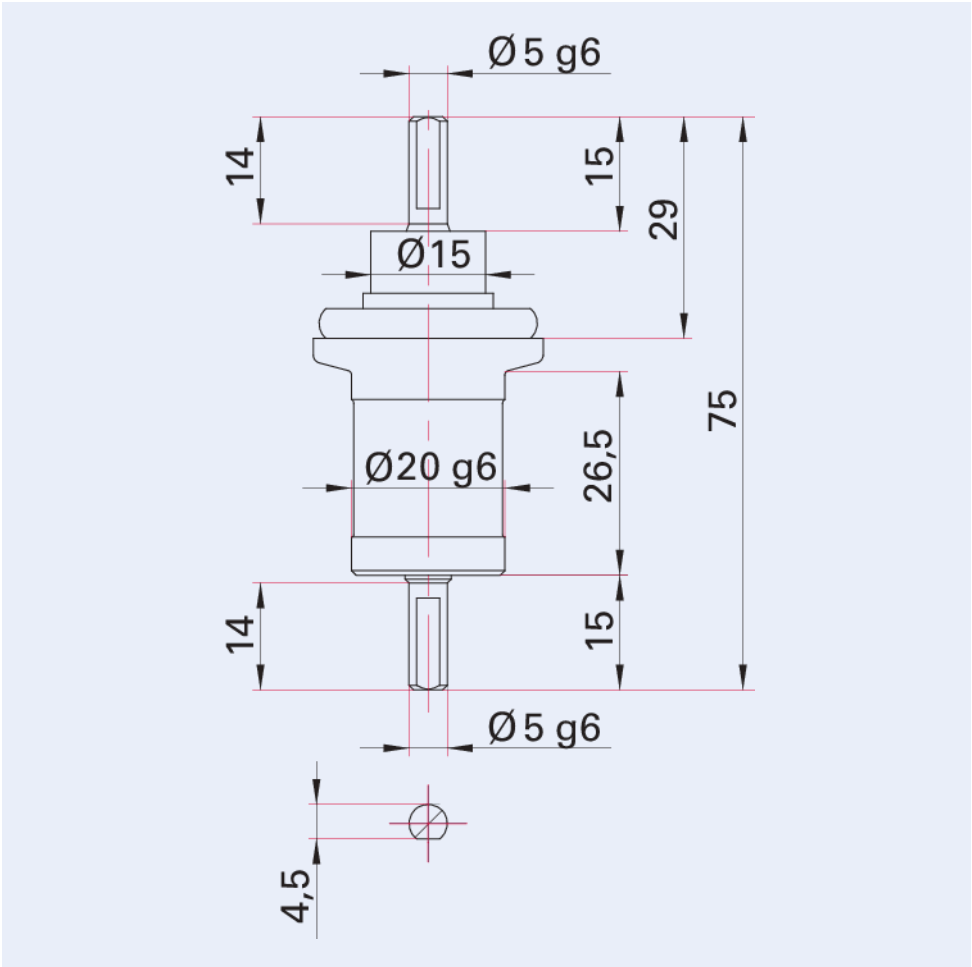
Illustration only

Rotary feedthrough, DN 16 ISO-KF

- Hardened shaft made of stainless steel
- With FKM shaft seal and ball bearing, greased to be suitable for vacuum
- The rotation speed can be increased by up to a factor of two if reduced service life is acceptable
- With through shaft for directly transmitting high torques
- With integrated FKM O-ring, installation without additional seal
- Tightness static: 1×10^{-9} mbar l/s
- Tightness dynamic: 1×10^{-9} mbar l/s to 5×10^{-7} mbar l/s
- When designing a rotary drive, take care that the rotary feedthrough is not the weakest component of the assembly
- Inadmissible loads damage the rotary feedthrough
- Do not apply force when sliding the coupling piece over the shaft. Consider the admissible levels of axial and radial force.

Dimensions



Technical Data	Rotary feedthrough, DN 16 ISO-KF
Seal	FKM
O-ring material	FKM
Transferred torque	1.5 N m
Operating temperature	≤ 50 °C
Mounting orientation	Arbitrary
Tightness (static)	$1 \cdot 10^{-10}$ Pa m^3/s | $7.5 \cdot 10^{-10}$ Torr l/s | $1 \cdot 10^{-9}$ mbar l/s
Weight approx.	0.1 kg | 0.22 lb
Rotation speed	≤ 1500 rpm
Shaft load, radial	60 N
Shaft load, axial	30 N
Shaft connection	ø 5 mm
Connection flange	DN 16 ISO-KF
Pressure range	$1 \cdot 10^{-8}$ hPa – to ambient pressure
Material	Housing: aluminum; shaft: stainless steel

Order number	Rotary feedthrough, DN 16 ISO-KF
Rotary feedthrough, DN 16 ISO-KF	120MRD016

Are you looking for an optimum vacuum solution?
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