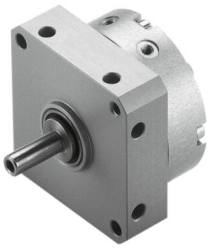
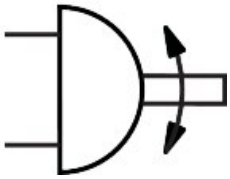
# Semi-rotary drive
# DSM-10-180-P

Part number: 173193





## Data sheet

| Feature | Value |
|---|---|
| Size | 10 |
| Cushioning angle | 0.5 deg |
| Swivel angle | 0 deg...180 deg |
| Permissible stop radius | 13 mm |
| Cushioning | Elastic cushioning rings/plates at both ends |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Design | Vane |
| Position detection | None |
| Operating pressure | 0.25 MPa...0.8 MPa<br>2.5 bar...8 bar |
| Max. swivel frequency at 0.6 MPa (6 bar, 87 psi) | 3 Hz |
| Repetition accuracy | 1 deg |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 0 - No corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B1/B2-L |
| Cleanroom suitability, measured according to ISO 14644-14 | Class 6 according to ISO 14644-1 |
| Ambient temperature | 0 °C...60 °C |
| Max. stop force | 60 N |
| Max. axial force | 10 N |
| Max. radial force | 30 N |
| Theoretical torque at 0.6 MPa (6 bar, 87 psi) | 0.85 Nm |
| Permissible mass moment of inertia | 0.0026 kgm² |
| Product weight | 140 g |
| Type of mounting | With female thread |
| Pneumatic connection | M3 |
| Note on materials | RoHS compliant |
| Material drive shaft | High-alloy stainless steel |
| Material seals | TPE-U(PU) |
| Material housing | Aluminium |

| Feature | Value |
| --- | --- |
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