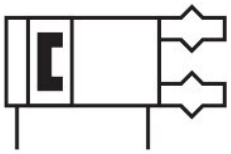
Radial gripper
DHRS-40-A

Part number: 1310166



Data sheet

Feature	Value
Size	40
Max. replacement accuracy	0.2 mm
Max. opening angle	180 deg
Rotationally symmetrical	0.2 mm
Repetition accuracy, gripper	0.1 mm
Number of gripper jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Radial
Design	Force pilot operated motion sequence
Position detection	Via proximity switch
Operating pressure	2 bar...8 bar
Max. operating frequency of gripper	2 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	113 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	142 ms
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	1 - Low corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Metals with more than 1% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils Metals with more than 1% of copper as an alloy component are excluded from use. Exceptions are printed circuit boards, cables, electrical connectors and coils Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils
Ambient temperature	5 °C...60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	725 Ncm
Total gripper torque, closing, 0.6 MPa (6 bar, 87 psi)	660 Ncm
Mass moment of inertia	4.18 kgcm²
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	14 Nm

Feature	Value
Max. torque at gripper My static	14 Nm
Max. torque at gripper Mz static	14 Nm
Product weight	829 g
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover cap	PA
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High-alloy steel