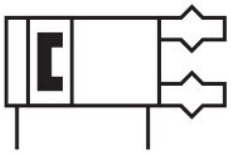
Radial gripper
DHRS-40-A

Part number: 1310166





Data sheet

Feature	Value
Size	40
Max. interchangeability	0.2 mm
Max. opening angle	180 deg
Rotational symmetry	0.2 mm
Pneumatic gripper repetition accuracy	0.1 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Structural design	Positively driven motion sequence
Position sensing	Via proximity switch
Operating pressure	2 bar...8 bar
Max. operating frequency of pneumatic gripper	2 Hz
Min. opening time at 6 bar	113 ms
Min. closing time at 6 bar	142 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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 5% by mass of copper are excluded from use. This excludes printed circuit boards, cables, electrical connectors and coils.
Ambient temperature	5 °C...60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	725 Ncm
Total gripping torque at 6 bar, closing	660 Ncm
Mass moment of inertia	4.18 kgcm²
Maximum force on gripper jaw Fz, static	200 N
Maximum torque on gripper jaw, Mx static	14 Nm
Maximum torque on gripper jaw, My static	14 Nm
Maximum torque on gripper jaw, Mz static	14 Nm
Product weight	829 g
Type of mounting	Alternatively:

Feature	Value
	With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	G1/8
Note on materials	RoHS compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	High-alloy steel