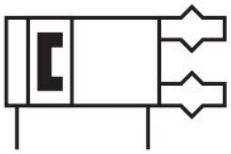
Radial gripper
DHRC-16-A

Part number: 8128723





Data sheet

Feature	Value
Size	16
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
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Radial
Gripping force backup	None
Structural design	Lateral connection direction Positively driven motion sequence
Position sensing	Via proximity switch
Operating pressure	0.1 MPa...0.8 MPa 1 bar...8 bar 14.5 psi...116 psi
Max. operating frequency of pneumatic gripper	2 Hz
Min. opening time at 6 bar	37 ms
Min. closing time at 6 bar	53 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)	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitability for the production of Li-ion batteries	Suitable for battery production with reduced Cu/Zn/Ni values (F1a)
Ambient temperature	-10 °C...60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening	81.1 Ncm
Total gripping torque at 6 bar, closing	66.8 Ncm
Mass moment of inertia	0.132 kgcm²
Maximum force on gripper jaw Fz, static	60 N
Maximum torque on gripper jaw, Mx static	2 Nm
Maximum torque on gripper jaw, My static	1 Nm

Feature	Value
Maximum torque on gripper jaw, Mz static	2 Nm
Product weight	111 g
Type of mounting	Alternatively: Direct mounting via through-hole Direct fastening via thread With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection	M3
Note on materials	RoHS compliant
Cover cap material	Wrought aluminum alloy, anodized
Housing material	Wrought aluminum alloy, anodized
Gripper jaw material	High-alloy steel