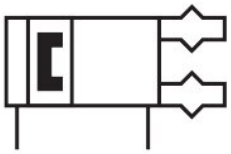
Angle gripper
DHWC-16-A

Part number: 8128711





Data sheet

Feature	Value
Size	16
Max. interchangeability	0.2 mm
Max. opening angle	30 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	Bracket
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	4 ms
Min. closing time at 6 bar	12 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	78.2 Ncm
Total gripping torque at 6 bar, closing	65.7 Ncm
Mass moment of inertia	0.115 kgcm²
Maximum force on gripper jaw Fz, static	60 N
Maximum torque on gripper jaw, Mx static	1.2 Nm
Maximum torque on gripper jaw, My static	0.9 Nm

Feature	Value
Maximum torque on gripper jaw, Mz static	0.9 Nm
Product weight	97 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