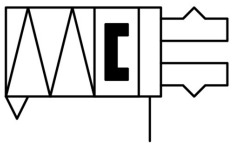
Parallel gripper
DHPC-6-A-NO-S-1

Part number: 8116742





Data sheet

Feature	Value
Size	6
Stroke per gripper jaw	2 mm
Max. interchangeability	0.2 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	≤0.02 mm
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Single-acting Open
Gripper function	Parallel
Structural design	Connection direction at side Lever Side mounting type for gripper fingers Positively driven motion sequence
Guide	Ball guide
Position sensing	For proximity sensor
Symbol	00997349
Variants	Metals with copper, zinc or nickel as main constituent are excluded from use. Exceptions are nickel in steel, chemically nickel-plated surfaces, printed circuit boards, cables, electrical plug connectors and coils.
Total gripping force at 6 bar, closing	7.8 N
Operating pressure	0.35 MPa ... 0.8 MPa
Operating pressure	3.5 bar ... 8 bar
Operating pressure	50.75 psi ... 116 psi
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	8 ms
Min. closing time at 6 bar	6 ms
Max. mass per external gripper finger	18 g
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 conformity	VDMA24364-B2-L
Ambient temperature	-10 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, closing	3.9 N
Mass moment of inertia	0.012 kgcm²

Feature	Value
Maximum force on gripper jaw Fz, static	5 N
Maximum torque on gripper jaw, Mx static	0.02 Nm
Maximum torque on gripper jaw, My static	0.04 Nm
Maximum torque on gripper jaw, Mz static	0.02 Nm
Product weight	27 g
Type of mounting	Optionally: Direct mounting via through-hole Direct fastening via thread
Pneumatic connection	M3
Note on materials	Free of copper and PTFE RoHS-compliant
Housing material	Aluminum, anodized
Gripper jaw material	High-alloy stainless steel