

# Parallel gripper DHPC-6-A-S

Part number: 8116735

FESTO



## 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
Type code	DHPC
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Structural design	Connection direction at side Lever Standard mounting type for gripper fingers Positively driven motion sequence
Guide	Ball guide
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	14.6 N
Total gripping force at 6 bar, closing	11 N
Operating pressure	0.15 MPa ... 0.8 MPa
Operating pressure	1.5 bar ... 8 bar
Operating pressure	21.75 psi ... 116 psi
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	9 ms
Min. closing time at 6 bar	11 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
Ambient temperature	-10 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	7.3 N
Gripping force per gripper jaw at 6 bar, closing	5.5 N
Mass moment of inertia	0.011 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	5 N

<b>Feature</b>	<b>Value</b>
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	25 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