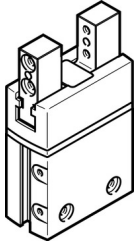


# Parallel gripper DHPS-16-A-NC

Part number: 1254045

FESTO



## Data sheet

Feature	Value
Size	16 16
Stroke per gripper jaw	5 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	<0.5 deg
Max. gripper jaw backlash Sz	<0.02 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	<0.02 mm
Type code	DHPS DHPS
Number of gripper jaws	2
Mounting position	Any Any
Mode of operation	Double-acting
Gripper function	Parallel Parallel
Gripping force backup	During closing During closing
Design	Positively driven motion sequence Lever Lever Positively driven motion sequence
Guide	Sliding guide
Position sensing	For proximity sensor For proximity sensor
Symbol	00991895 00991895
Operating pressure	4 bar ... 8 bar
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	48 ms
Min. closing time at 6 bar	37 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] 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) Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	1 - Low corrosion stress 1 - Low corrosion stress
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	0.468 kgcm <sup>2</sup>

Feature	Value
Maximum force on gripper jaw Fz, static	150 N
Maximum torque on gripper jaw, Mx static	8 Nm
Maximum torque on gripper jaw, My static	8 Nm
Maximum torque on gripper jaw, Mz static	8 Nm
Relubrication interval for guidance elements	10 MioCyc
Max. mass per external gripper finger	150 g
Product weight	188 g
Type of mounting	Optionally: Via through-hole and centering sleeve With internal thread and centering sleeve With internal thread and centering sleeve Via through-hole and centering sleeve Optionally:
Pneumatic connection	M3 M3
Note on materials	RoHS-compliant RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy Hard-anodized Wrought aluminum alloy Hard-anodized
Gripper jaw material	High-alloy stainless steel High-alloy stainless steel