

Parallel gripper DHPS-25-A-NC

Part number: 1254051

FESTO



Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	7.5 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
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	During closing
Design	Lever Positively driven motion sequence
Guide	Sliding guide
Position sensing	For proximity sensor
Symbol	00991895
Operating pressure	4 bar ... 8 bar
Max. operating frequency of pneumatic gripper	2 Hz
Min. opening time at 6 bar	68 ms
Min. closing time at 6 bar	52 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)	1 - Low corrosion stress
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	3.835 kgcm ²
Maximum force on gripper jaw Fz, static	350 N
Maximum torque on gripper jaw, Mx static	30 Nm
Maximum torque on gripper jaw, My static	30 Nm
Maximum torque on gripper jaw, Mz static	30 Nm
Relubrication interval for guidance elements	10 MioCyc
Max. mass per external gripper finger	350 g
Product weight	713 g

Feature	Value
Type of mounting	Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy Hard-anodized
Gripper jaw material	High-alloy stainless steel