

Parallel gripper HGPT-16-A-B-G1

Part number: 560193

FESTO



Data sheet

 General operating condition

Feature	Value
Size	16
Stroke per gripper jaw	3 mm
Max. interchangeability	≤ 0.2 mm
Max. gripper jaw angular play ax, ay	≤ 0.1 deg
Max. gripper jaw backlash Sz	≤ 0.02 mm
Rotational symmetry	≤ 0.2 mm
Pneumatic gripper repetition accuracy	≤ 0.03 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	On opening
Structural design	Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00995947
Operating pressure	4 bar ... 8 bar
Operating pressure for sealing air	0 bar ... 0.5 bar
Max. operating frequency of pneumatic gripper	≤ 3 Hz
Min. opening time at 6 bar	13 ms
Min. closing time at 6 bar	31 ms
Max. mass per external gripper finger	40 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)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Degree of protection	IP40
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	0.163 kgcm ²
Maximum force on gripper jaw Fz, static	200 N
Maximum torque on gripper jaw, Mx static	10 Nm
Maximum torque on gripper jaw, My static	12 Nm
Maximum torque on gripper jaw, Mz static	6 Nm
Relubrication interval for guidance elements	5 MioCyc
Product weight	100 g

Feature	Value
Type of mounting	Via through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin
Sealing air pneumatic connection	M3
Pneumatic connection	M3
Note on materials	RoHS-compliant
Cover cap material	High-alloy stainless steel
Housing material	Aluminum, anodized
Gripper jaw material	Hardened steel