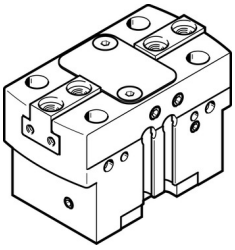
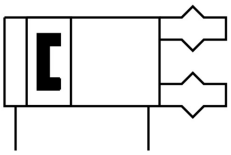
Parallel gripper
HGPT-16-A-B

Part number: 560192

FESTO





Data sheet

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
Type code	HGPT
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Design	Positively driven motion sequence Inclined plane
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	120 N
Total gripping force at 6 bar, closing	106 N
Operating pressure	3 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	9 ms
Min. closing time at 6 bar	11 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)	2 - Moderate corrosion stress
Degree of protection	IP40
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	60 N
Gripping force per gripper jaw at 6 bar, closing	53 N
Mass moment of inertia	0.141 kgcm²
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

Feature	Value
Max. mass per external gripper finger	40 g
Product weight	85 g
Type of mounting	With internal thread and centering sleeve Via through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin Optionally:
Sealing air pneumatic connection	M3
Pneumatic connection	M5
Note on materials	Free of copper and PTFE RoHS-compliant
Cover cap material	High-alloy stainless steel
Housing material	Aluminum Anodized
Gripper jaw material	Steel Hardened