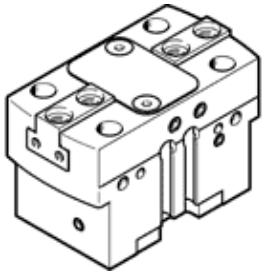
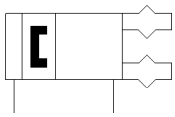
parallel gripper
HGPT-16-A-B

Part number: 560192

FESTO

sturdy.





Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	3 mm
Max. replacement accuracy	<= 0.2 mm
Max. angular gripper jaw backlash ax,ay	<= 0.1 deg
Max. gripper jaw backlash Sz	<= 0.02 mm
Rotationally symmetrical	<= 0.2 mm
Repetition accuracy, gripper	<= 0.03 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total force at 6 bar, opening	120 N
Total force at 6 bar, closing	106 N
Operating pressure	3 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	<= 3 Hz
Min. opening time at 6 bar	9 ms
Min. closing time at 6 bar	11 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Protection class	IP40
Ambient temperature	5 ... 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
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	10 Nm
Max. torque at gripper My static	12 Nm
Max. torque at gripper Mz static	6 Nm
Lubrication interval for guide components	5 Mio SP
Max. mass per external gripper finger	40 g
Product weight	85 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve With through-hole and dowel pin With internal thread and dowel pin Optional
Pneumatic connection, sealing air	M3
Pneumatic connection	M5

Feature	Value
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover cap	High alloy steel, non-corrosive
Material housing	Aluminium Anodised
Material gripper jaws	Steel Hardened