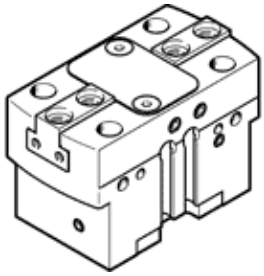
Parallel gripper
HGPT-20-A-B-F

Part number: 560201

FESTO

sturdy high-power variant.



Data sheet

Feature	values
Size	20
Stroke per gripper jaw	2 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	<= 0.04 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	344 N
Total force at 6 bar, closing	322 N
Working pressure	3 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	<= 3 Hz
Min. opening time at 6 bar	28 ms
Min. closing time at 6 bar	31 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
Protection class	IP40
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	172 N
Gripping force per gripper jaw at 6 bar, closing	161 N
Mass moment of inertia	0.344 kgcm2
Max. force on gripper jaw Fz static	700 N
Max. torque at gripper Mx static	15 Nm
Max. torque at gripper My static	15 Nm
Max. torque at gripper Mz static	8 Nm
Lubrication interval for guide components	5 Mio SP
Max. ground per external gripper finger	50 g
Product weight	135 g
Mounting type	Optional Internal thread and centering sleeve With through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	M5

Feature	values
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminum Anodized
Materials information for gripper jaws	Steel Hardened