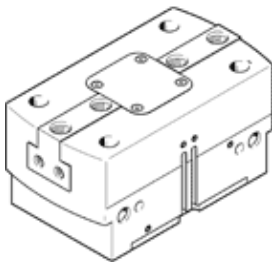


parallel gripper HGPT-80-A-B

Part number: 560234

FESTO

sturdy.



Data sheet

Feature	values
Size	80
Stroke per gripper jaw	25 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	≤ 0.05 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	3,226 N
Total force at 6 bar, closing	3,102 N
Operating pressure	3 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	≤ 2 Hz
Min. opening time at 6 bar	214 ms
Min. closing time at 6 bar	213 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	1,613 N
Gripping force per gripper jaw at 6 bar, closing	1,551 N
Mass moment of inertia	150.515 kgcm ²
Max. force on gripper jaw Fz static	7,000 N
Max. torque at gripper Mx static	180 Nm
Max. torque at gripper My static	220 Nm
Max. torque at gripper Mz static	170 Nm
Lubrication interval for guide components	5 Mio SP
Max. ground per external gripper finger	1,830 g
Product weight	4,745 g
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	G1/4

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	Aluminium Anodised
Materials information for gripper jaws	Steel Hardened