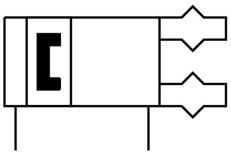
Parallel gripper
HGPT-35-A-B

Part number: 560210

FESTO





Data sheet

Feature	Value
Size	35
Stroke per gripper jaw	8 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	≤0.05 mm
Type code	HGPT
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Design	Inclined plane Positively driven motion sequence
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	490 N
Total gripping force at 6 bar, closing	458 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	36 ms
Min. closing time at 6 bar	67 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	245 N
Gripping force per gripper jaw at 6 bar, closing	229 N
Mass moment of inertia	2.807 kgcm²
Maximum force on gripper jaw Fz, static	1800 N
Maximum torque on gripper jaw, Mx static	80 Nm
Maximum torque on gripper jaw, My static	60 Nm
Maximum torque on gripper jaw, Mz static	50 Nm
Relubrication interval for guidance elements	5 MioCyc

Feature	Value
Max. mass per external gripper finger	180 g
Product weight	490 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	M5
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