

Parallel gripper HGPT-40-A-B-F-G2

Part number: 560221

FESTO



Data sheet

Feature	Value
Size	40
Stroke per gripper jaw	5 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
Gripping force backup	During closing
Design	Positively driven motion sequence Inclined plane
Position sensing	For proximity sensor
Symbol	00991895
Operating pressure	4 bar ... 8 bar
Operating pressure for sealing air	0 bar ... 0.5 bar
Max. operating frequency of pneumatic gripper	≤2 Hz
Min. opening time at 6 bar	120 ms
Min. closing time at 6 bar	72 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
Mass moment of inertia	10.99 kgcm ²
Maximum force on gripper jaw Fz, static	2500 N
Maximum torque on gripper jaw, Mx static	100 Nm
Maximum torque on gripper jaw, My static	90 Nm
Maximum torque on gripper jaw, Mz static	75 Nm
Relubrication interval for guidance elements	5 MioCyc
Max. mass per external gripper finger	310 g
Product weight	1075 g

Feature	Value
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