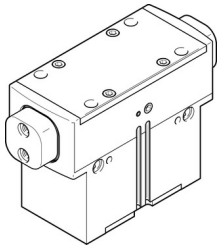
Parallel gripper
HGPD-80-A-G1

Part number: 1132958

FESTO





Data sheet

Feature	Value
Size	80
Stroke per gripper jaw	20 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	HGPD
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	On opening
Design	Positively driven motion sequence Inclined plane
Position sensing	For proximity sensor
Symbol	00995947
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	235 ms
Min. closing time at 6 bar	353 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	IP65
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	319.95 kgcm²
Maximum torque on gripper jaw, Mx static	170 Nm
Maximum torque on gripper jaw, My static	130 Nm
Maximum torque on gripper jaw, Mz static	110 Nm
Relubrication interval for guidance elements	5000000 MioCyc
Max. mass per external gripper finger	2170 g
Product weight	7484 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	G1/4
Note on materials	RoHS-compliant
Cover cap material	High-alloy stainless steel
Housing material	Aluminum Anodized
Gripper jaw material	Steel Hardened