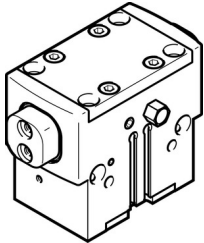


Parallel gripper HGPD-25-A-G1

Part number: 1132943

FESTO



Data sheet

Feature	Value
Size	25 25
Stroke per gripper jaw	6 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	≤0.04 mm
Type code	HGPD HGPD
Number of gripper jaws	2
Mounting position	Any Any
Mode of operation	Double-acting
Gripper function	Parallel Parallel
Gripping force backup	On opening
Design	Positively driven motion sequence Inclined plane Inclined plane Positively driven motion sequence
Position sensing	For proximity sensor For proximity sensor
Symbol	00995947 00995947
Operating pressure	4 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	24 ms
Min. closing time at 6 bar	51 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] 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) Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 2 - Moderate corrosion stress
Degree of protection	IP65 IP65
Ambient temperature	5 °C ... 60 °C

Feature	Value
Mass moment of inertia	1.72 kgcm ²
Maximum torque on gripper jaw, Mx static	30 Nm
Maximum torque on gripper jaw, My static	25 Nm
Maximum torque on gripper jaw, Mz static	15 Nm
Relubrication interval for guidance elements	5000000 MioCyc
Max. mass per external gripper finger	138 g
Product weight	361 g
Type of mounting	Optionally: With through-hole and dowel pin With internal thread and dowel pin With internal thread and centering sleeve Via through-hole and centering sleeve 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 M5
Pneumatic connection	M5 M5
Note on materials	RoHS-compliant RoHS-compliant
Cover cap material	High-alloy stainless steel High-alloy stainless steel
Housing material	Aluminum Anodized Aluminum Anodized
Gripper jaw material	Hardened Steel Steel Hardened