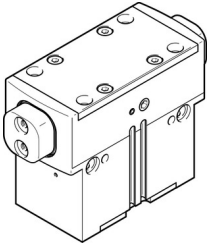


# Parallel gripper HGPD-40-A-G1

Part number: 1132949

FESTO



## Data sheet

Feature	Value
Size	40
Stroke per gripper jaws	10 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax, ay	$\leq 0.1$ deg
Max. gripper jaw backlash Sz	$\leq 0.02$ mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.05$ mm
Short type code	HGPD
Number of gripper jaws	2
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Parallel
Gripper force back-up	During opening
Design	Wedge-shaped drive Force pilot operated motion sequence
Position detection	Via proximity switch
Symbol	00995947
Operating pressure	4 bar ... 8 bar
Operating pressure of blocked air	0 bar ... 0.5 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 6 bar	73 ms
Min. closing time at 6 bar	157 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
Degree of protection	IP65
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	14.09 kgcm <sup>2</sup>
Max. torque at gripper Mx static	70 Nm
Max. torque at gripper My static	45 Nm
Max. torque at gripper Mz static	35 Nm
Lubrication interval for guide components	5000000 MioCyc
Max. mass per external gripper finger	445 g
Product weight	1223 g

Feature	Value
Type of mounting	Either: Via female thread and centring sleeve Via through-hole and centring sleeve Via through-hole and dowel pin Via female thread and dowel pin
Pneumatic connection, blocked air	M5
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover cap	High-alloy stainless steel
Material housing	Aluminium Anodised
Material gripper jaws	Steel Hardened