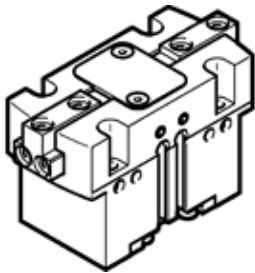


# parallel gripper HGPT-25-A-B-F-G2

Part number: 560209

FESTO

sturdy, with gripping force retention when closing ...G2.



## Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	3 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	$\leq 0.04$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	On closing
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Operating pressure	4 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 3$ Hz
Min. opening time at 6 bar	36 ms
Min. closing time at 6 bar	28 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Protection class	IP40
Ambient temperature	5 ... 60 °C
Mass moment of inertia	1,479 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	1,200 N
Max. torque at gripper Mx static	50 Nm
Max. torque at gripper My static	45 Nm
Max. torque at gripper Mz static	35 Nm
Lubrication interval for guide components	5 Mio SP
Max. mass per external gripper finger	110 g
Product weight	353 g
Mounting type	Internal thread and centring sleeve With through-hole and centring sleeve With through-hole and dowel pin With internal thread and dowel pin Optional
Pneumatic connection, sealing air	M5
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Material cover cap	High alloy steel, non-corrosive
Material housing	Aluminium Anodised
Material gripper jaws	Steel Hardened