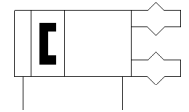
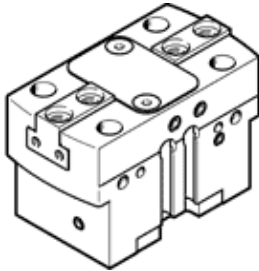


# Parallel gripper HGPT-16-A-B-F

Part number: 560195

FESTO

sturdy high-power variant.



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	1.5 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	$\leq 0.03$ mm
Number of gripper fingers	2
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	No
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	216 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	192 N
Working pressure	3 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 3$ Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	8 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	10 ms
Max. mass per external gripper finger	40 g
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
PWIS conformity	VDMA24364-B1/B2-L
Protection class	IP40
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	108 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	96 N
Mass moment of inertia	0.141 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	10 Nm
Max. torque at gripper My static	12 Nm
Max. torque at gripper Mz static	6 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	85 g
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin

Feature	Value
	Optional
Pneumatic connection, sealing air	M3
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover cap	High alloy steel, non-corrosive
Material housing	Anodised aluminium
Material gripper jaws	Steel, hardened