

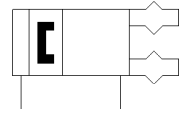
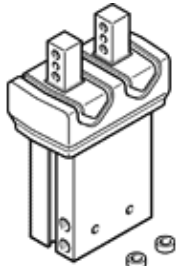
Parallel gripper HGP-16-A-B-SSK

Part number: 539636
Product to be discontinued

FESTO

self-centering, can be used as internal and external gripper, for position sensing, with protective dust cap.

Type to be discontinued. Available until 2024. See Support Portal for alternative products.



Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 mm
Max. replacement accuracy	0.2 mm
Repetition accuracy, gripper	< 0.04 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	Lever
Position detection	For proximity sensor
Total gripping force at 0.6 MPa (6 bar, 87 psi), opening	140 N
Total gripping force at 0.6 MPa (6 bar, 87 psi), closing	160 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	44 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	60 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	1 - Low corrosion stress
PWIS conformity	VDMA24364-B2-L
Protection class	IP54
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening	70 N
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing	80 N
Mass moment of inertia	0.47 kgcm ²
Max. force on gripper jaw Fz static	90 N
Max. torque at gripper Mx static	3.3 Nm
Max. torque at gripper My static	3.3 Nm
Max. torque at gripper Mz static	3.3 Nm
Product weight	197 g
Mounting type	Internal thread and centering sleeve With through-hole and centering sleeve
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover cap	TPV
Material housing	Hard anodised wrought aluminium alloy
Material gripper jaws	High alloy steel