

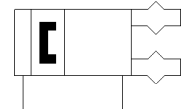
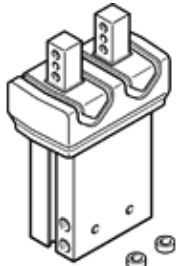
# parallel gripper HGP-16-A-B-SSK

Part number: 539636  
Product to be discontinued

FESTO

self-centring, 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
Operating 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 <sup>2</sup>
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 centring sleeve With through-hole and centring 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