

Parallel Gripper HGPD-16-A - Festo 1132936

Item no. FES-1132936

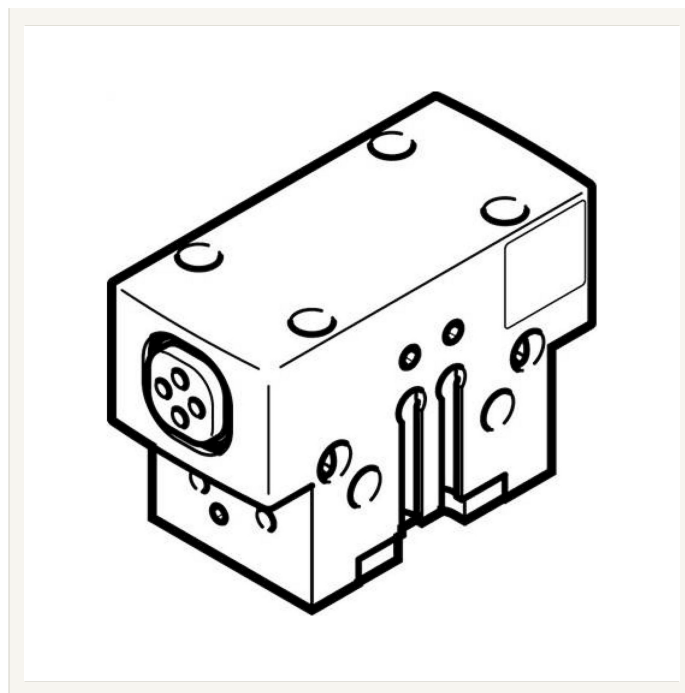
Manufacturer Festo

EAN 4052568227012

Festo gripper for secure handling and positioning of workpieces in automated processes.

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
HS-Code	84798997
Pneumatischer Anschluss	M5
Schutzart	IP65
Weight	0.165 kg
Werkstoff	Aluminium



STANDARDS & COMPLIANCE

ISO 8573-1:2010

DESCRIPTION

Festo gripper for secure handling and positioning of workpieces in automated processes. The key technical data of this genuine Festo article are listed below.

size	16
Stroke per gripper jaw [mm]	3
Max. exchange precision [mm]	<= 0,2 mm
Max. gripper jaw play ax, ay [deg]	<= 0,1 deg
Max. gripper jaw play Sz [mm]	<= 0,02 mm
Rotational symmetry [mm]	<= 0,2 mm
Repeatability grippers [mm]	<= 0,03 mm
Quantity Gripper jaws	2
installation position	arbitrary
Principle of operation	double acting
Gripper function	Parallel
Construction set up	Inclined plane Force controlled movement cycle

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Position detection	For proximity switch
Open total gripping force at 6 bar [N]	107
Close total gripping force at 6 bar [N]	94
Operating pressure [bar]	3 to 8
Operating pressure blocking air [bar]	0 to 0.5
Max. working frequency gripper [Hz]	<= 3 Hz
Min. opening time a 6 bar [ms]	15
Min. closing time at 6 bar [ms]	17
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Information about operating and control medium	Oiled operation possible (required in further operations)
Corrosion resistant class KBK	2 - moderate corrosion stress
Protection category	IP65
ambient temperature [°C]	5 to 60
Open gripper jaws at gripping force of 6 bar [N]	54
Close gripper jaws at gripping force at 6 bar [N]	47
Mass inertia [kg/cm²]	0,22
Max. force on gripper jaws Fz static [N]	150
Max. torque on gripper jaws Mx static [Nm]	8
Max. torque on gripper jaws My static [Nm]	4
Max. torque on gripper jaws Mz static [Nm]	3
Lubrication interval guide elements [Mio SP]	5e+006
Max. mass per external griper finger [g]	25
Product weight [g]	100
Fastening type	With Throughway bore and dowel pin With Female thread and dowel pin Selectively: Female thread and centring sleeve With Throughway bore and centring sleeve
Pneumatic connection blocking air	M3
Pneumatic connection	M5
Material information	Copper and PTFE-free RoHs compliant
Cover cap material	High-alloyed stainless steels
Housing material	aluminium anodized
Gripper jaws material	hardened Steel