

Three-Point Gripper HGDT-40-A-F-G1 - Festo 560184

Item no. FES-560184

Manufacturer Festo

EAN 4052568206499

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
Weight	1 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	40
Stroke per gripper jaw [mm]	3,0
Max. exchange precision [mm]	<= 0,2 mm
Max. gripper jaw play ax, ay [deg]	<= 0,1 deg
Max. gripper jaw play Sz [mm]	<= 0,05 mm
Rotational symmetry [mm]	<= 0,2 mm
Repeatability grippers [mm]	<= 0,03 mm
Quantity Gripper jaws	3
installation position	arbitrary
Principle of operation	double acting
Gripper function	3 point

Construction set up	Inclined plane Force controlled movement cycle
Position detection	For proximity switch
Operating pressure [bar]	4 to 8
Operating pressure blocking air [bar]	0 to 0.5
Max. working frequency gripper [Hz]	<= 4 Hz
Min. opening time a 6 bar [ms]	63
Min. closing time at 6 bar [ms]	190
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
ambient temperature [°C]	5 to 60
Mass inertia [kg/cm²]	5,59
Max. force on gripper jaws Fz static [N]	800
Max. torque on gripper jaws Mx static [Nm]	30
Max. torque on gripper jaws My static [Nm]	20
Max. torque on gripper jaws Mz static [Nm]	25
Lubrication interval guide elements [Mio SP]	5
Max. mass per external griper finger [g]	70
Product weight [g]	840
Fastening type	With Throughway bore and dowel pin With Female thread and dowel pin Selectively:
Pneumatic connection blocking air	M5
Pneumatic connection	M5
Material information	Copper and PTFE-free RoHs compliant
Cover cap material	High-alloyed stainless steels
Housing material	Aluminium wrought alloy COMPCOTE coated
Gripper jaws material	hardened Steel
Gripping force safety	When opening