

Parallel Gripper HGPT-50-A-B-G1 - Festo 560223

Item no. FES-560223 Manufacturer Festo EAN 4052568206888

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

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
HS-Code	84798997
Pneumatischer Anschluss	G1/8
Schutzart	IP40
Weight	2 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	50
Stroke per gripper jaw [mm]	12,0
Max. exchange precision [mm]	<= 0,2 mm
Max. gripper jaw play ax, ay [deg]	<= 0,1 deg
Max. gripper jaw play Sz [mm]	<= 0,02 mm
Rotational symmetry [mm]	<= 0,2 mm
Repeatability grippers [mm]	<= 0,05 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
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]	<= 2 Hz
Min. opening time a 6 bar [ms]	70
Min. closing time at 6 bar [ms]	153
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	IP40
ambient temperature [°C]	5 to 60
Mass inertia [kg/cm²]	29,423
Max. force on gripper jaws Fz static [N]	3.200
Max. torque on gripper jaws Mx static [Nm]	120
Max. torque on gripper jaws My static [Nm]	120
Max. torque on gripper jaws Mz static [Nm]	100
Lubrication interval guide elements [Mio SP]	5
Max. mass per external griper finger [g]	640
Product weight [g]	1.832
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	M5
Pneumatic connection	G1/8
Material information	Copper and PTFE-free RoHs compliant
Cover cap material	High-alloyed stainless steels
Housing material	aluminium anodized
Gripper jaws material	hardened Steel
Gripping force safety	When opening