

Three-Point Gripper HGDT-50-A - Festo 540868

Item no.	FES-540868	Manufacturer	Festo
Manufacturer no.	HGDT-50-A	EAN	4052568179427

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

TECHNICAL DATA



Article authenticity	Original product
Betriebsdruck max [bar]	8.000000
Condition of article	New
HS-Code	84798997
Pneumatischer Anschluss	G1/8
Weight	1.104 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]	8,0
Max. exchange precision [mm]	$\leq 0,2 \text{ mm}$
Max. gripper jaw play ax, ay [deg]	$\leq 0,1 \text{ deg}$
Max. gripper jaw play Sz [mm]	$\leq 0,05 \text{ mm}$
Rotational symmetry [mm]	$\leq 0,2 \text{ mm}$
Repeatability grippers [mm]	$\leq 0,03 \text{ mm}$
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
Open total gripping force at 6 bar [N]	1.041
Close total gripping force at 6 bar [N]	921
Operating pressure [bar]	3 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]	85
Min. closing time at 6 bar [ms]	75
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
Open gripper jaws at gripping force of 6 bar [N]	347
Close gripper jaws at gripping force at 6 bar [N]	307
Mass inertia [kg/cm ²]	11,05
Max. force on gripper jaws Fz static [N]	1.500
Max. torque on gripper jaws Mx static [Nm]	50
Max. torque on gripper jaws My static [Nm]	30
Max. torque on gripper jaws Mz static [Nm]	40
Lubrication interval guide elements [Mio SP]	5
Max. mass per external griper finger [g]	160
Product weight [g]	1.104
Fastening type	With Throughway bore and dowel pin With Female thread and dowel pin Selectively:
Pneumatic connection blocking air	M5
Pneumatic connection	G1/8
Material information	Copper and PTFE-free
Cover cap material	High-alloyed stainless steels
Housing material	Aluminium wrought alloy COMPCOTE coated
Gripper jaws material	hardened Steel