

Three-Point Gripper DHDS-50-A - Festo 1259495

Item no. FES-1259495

Manufacturer Festo

EAN 4052568229320

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
Weight	0.95 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]	6,0
Max. exchange precision [mm]	$\leq 0,2 \text{ mm}$
Max. gripper jaw play ax, ay [deg]	$\leq 0,2 \text{ deg}$
Max. gripper jaw play Sz [mm]	$\leq 0,02 \text{ mm}$
Rotational symmetry [mm]	$\leq 0,2 \text{ mm}$
Repeatability grippers [mm]	$\leq 0,04 \text{ mm}$
Quantity Gripper jaws	3
installation position	arbitrary
Principle of operation	double acting
Gripper function	3 point
Construction set up	lever Force controlled movement cycle

Position detection	For proximity switch
Open total gripping force at 6 bar [N]	840
Close total gripping force at 6 bar [N]	750
Operating pressure [bar]	2 to 8
Max. working frequency gripper [Hz]	<= 4 Hz
Min. opening time a 6 bar [ms]	62
Min. closing time at 6 bar [ms]	55
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	1 - low corrosion stress
ambient temperature [°C]	5 to 60
Open gripper jaws at gripping force of 6 bar [N]	280
Close gripper jaws at gripping force at 6 bar [N]	250
Mass inertia [kg/cm²]	6,100
Max. force on gripper jaws Fz static [N]	250
Max. torque on gripper jaws Mx static [Nm]	24
Max. torque on gripper jaws My static [Nm]	24
Max. torque on gripper jaws Mz static [Nm]	24
Lubrication interval guide elements [Mio SP]	10
Max. mass per external griper finger [g]	250
Product weight [g]	920
Fastening type	With Female thread and dowel pin
Pneumatic connection	G1/8
Material information	RoHs compliant
Cover cap material	PA
Housing material	Aluminium wrought alloy Hard anodised
Gripper jaws material	High-alloyed stainless steels