

Parallel Gripper DHPS-25-A - Festo 1254049

Item no. FES-1254049

Manufacturer Festo

EAN 4052568229221

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

TECHNICAL DATA

Betriebsdruck max [bar]	8.000000
Corrosion resistance class CRC	1 - low corrosion stress
Design	lever, Force controlled movement cycle
Funktion	double-acting
HS-Code	84798997
Material	Aluminium
Medium	Compressed air
Mounting position	arbitrary
Operating conditions	ISO 8573-1
Pneumatic connection	G1/8
Position sensing	Yes
Series	DHPS
Temperature (max.)	60
Weight	0.75 kg



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	25
Stroke per gripper jaw [mm]	7,5
Max. exchange precision [mm]	<= 0,2 mm
Max. gripper jaw play ax, ay [deg]	< 0,5 deg
Max. gripper jaw play Sz [mm]	< 0,02 mm
Rotational symmetry [mm]	<= 0,2 mm
Repeatability grippers [mm]	< 0,02 mm
Quantity Gripper jaws	2
installation position	arbitrary
Principle of operation	double acting

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Page 1/2

Gripper function	Parallel
Construction set up	lever Force controlled movement cycle
Guide	sliding guide
Position detection	For proximity switch
Open total gripping force at 6 bar [N]	500
Close total gripping force at 6 bar [N]	450
Operating pressure [bar]	2 to 8
Max. working frequency gripper [Hz]	2
Min. opening time a 6 bar [ms]	48
Min. closing time at 6 bar [ms]	63
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]	249
Close gripper jaws at gripping force at 6 bar [N]	228,0
Mass inertia [kg/cm²]	3,831
Max. force on gripper jaws Fz static [N]	350
Max. torque on gripper jaws Mx static [Nm]	30,0
Max. torque on gripper jaws My static [Nm]	30,0
Max. torque on gripper jaws Mz static [Nm]	30,0
Lubrication interval guide elements [Mio SP]	10
Max. mass per external griper finger [g]	350
Product weight [g]	700
Fastening type	Selectively: Female thread and centring sleeve With Throughway bore and centring sleeve
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