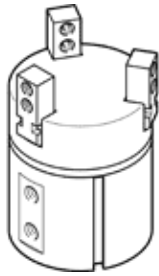


# Three-point gripper DHDS-50-A-NC

Part number: 1259496

FESTO



## Data sheet

Feature	values
Size	50
Stroke per gripper jaw	6 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.2$ deg
Max. gripper jaw backlash Sz	$\leq 0.02$ mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.04$ mm
Number of gripper fingers	3
Assembly position	Any
Mode of operation	double-acting
Gripper function	3-point
Gripper force back-up	On closing
Design structure	Lever guided motion sequence
Position detection	For proximity sensor
Working pressure	4 ... 8 bar
Max. operating frequency of gripper	$\leq 4$ Hz
Min. opening time at 6 bar	73 ms
Min. closing time at 6 bar	50 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	1
Ambient temperature	5 ... 60 °C
Mass moment of inertia	6.18 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	250 N
Max. torque at gripper Mx static	24 Nm
Max. torque at gripper My static	24 Nm
Max. torque at gripper Mz static	24 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	250 g
Product weight	932 g
Mounting type	With internal thread and dowel pin
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover cap	PA
Materials information, housing	Wrought Aluminum alloy Hard anodized
Materials information for gripper jaws	High alloy steel, non-corrosive