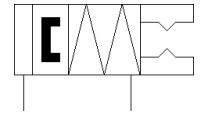
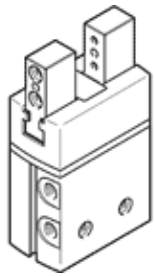


# parallel gripper DHPS-25-A-NC

Part number: 1254051

FESTO



## Data sheet

Feature	Value
Size	25
Stroke per gripper jaw	7.5 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	< 0.5 deg
Max. gripper jaw backlash Sz	< 0.02 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	< 0.02 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	On closing
Design structure	Lever guided motion sequence
Guide	Plain-bearing guide
Position detection	For proximity sensor
Operating pressure	4 ... 8 bar
Max. operating frequency of gripper	2 Hz
Min. opening time at 6 bar	68 ms
Min. closing time at 6 bar	52 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 - Low corrosion stress
Ambient temperature	5 ... 60 °C
Mass moment of inertia	3.835 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	350 N
Max. torque at gripper Mx static	30 Nm
Max. torque at gripper My static	30 Nm
Max. torque at gripper Mz static	30 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	350 g
Product weight	713 g
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover cap	PA
Material housing	Wrought Aluminium alloy Hard anodised
Material gripper jaws	High alloy steel, non-corrosive