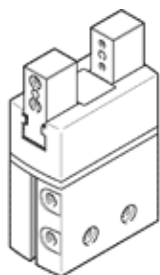


# parallel gripper DHPS-35-A

Part number: 1254052

FESTO



## Data sheet

Feature	Value
Size	35
Stroke per gripper jaw	12.5 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$< 0.5$ deg
Max. gripper jaw backlash Sz	$< 0.02$ mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$< 0.02$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Lever guided motion sequence
Guide	Plain-bearing guide
Position detection	For proximity sensor
Total force at 6 bar, opening	970 N
Total force at 6 bar, closing	910 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	2 Hz
Min. opening time at 6 bar	95 ms
Min. closing time at 6 bar	123 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
Gripping force per gripper jaw at 6 bar, opening	483 N
Gripping force per gripper jaw at 6 bar, closing	450 N
Mass moment of inertia	12.7 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	450 N
Max. torque at gripper Mx static	50 Nm
Max. torque at gripper My static	50 Nm
Max. torque at gripper Mz static	50 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	450 g
Product weight	1,285 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