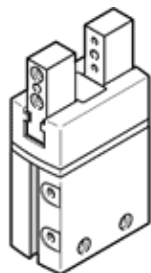


# parallel gripper DHPS-20-A

Part number: 1254046

FESTO



## Data sheet

Feature	values
Size	20
Stroke per gripper jaw	6.5 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
Design structure	Lever guided motion sequence
Guide	Plain-bearing guide
Position detection	For proximity sensor
Total force at 6 bar, opening	320 N
Total force at 6 bar, closing	290 N
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	3 Hz
Min. opening time at 6 bar	59 ms
Min. closing time at 6 bar	87 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	162 N
Gripping force per gripper jaw at 6 bar, closing	147 N
Mass moment of inertia	1.489 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	250 N
Max. torque at gripper Mx static	14 Nm
Max. torque at gripper My static	14 Nm
Max. torque at gripper Mz static	14 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	250 g
Product weight	380 g
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	M5
Materials note	Conforms to RoHS
Materials information for cover cap	PA
Materials information, housing	Wrought Aluminium alloy Hard anodised
Materials information for gripper jaws	High alloy steel, non-corrosive