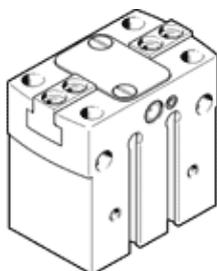


# Parallel gripper HGPT-40-A

Part number: 535870

FESTO

sturdy.



## Data sheet

Feature	Value
Size	40
Stroke per gripper jaw	10 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.1$ deg
Max. gripper jaw backlash Sz	$\leq 0.02$ mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.05$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total force at 6 bar, opening	600 N
Total force at 6 bar, closing	540 N
Operating pressure	3 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 6 bar	66 ms
Min. closing time at 6 bar	61 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	300 N
Gripping force per gripper jaw at 6 bar, closing	270 N
Mass moment of inertia	9.673 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	1,500 N
Max. torque at gripper Mx static	80 Nm
Max. torque at gripper My static	60 Nm
Max. torque at gripper Mz static	40 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	1,209 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminium COMPCOTE coated
Materials information for gripper jaws	Steel Hardened