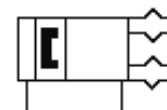


# Parallel gripper HGPT-50-A

Part number: 535873

FESTO

sturdy.



## Data sheet

Feature	Value
Size	50
Stroke per gripper jaw	12 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	960 N
Total force at 6 bar, closing	880 N
Working pressure	3 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 6 bar	85 ms
Min. closing time at 6 bar	76 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	480 N
Gripping force per gripper jaw at 6 bar, closing	440 N
Mass moment of inertia	25.147 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	2,500 N
Max. torque at gripper Mx static	100 Nm
Max. torque at gripper My static	90 Nm
Max. torque at gripper Mz static	60 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	1,984 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	G1/8
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminum COMPCOTE coated
Materials information for gripper jaws	Steel Hardened