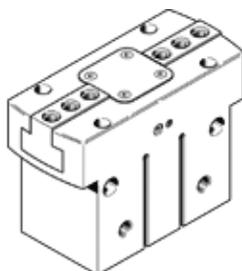


# Parallel gripper HGPT-63-A

Part number: 535876

FESTO

sturdy.



## Data sheet

Feature	Value
Size	63
Stroke per gripper jaw	16 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	1,650 N
Total force at 6 bar, closing	1,540 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	150 ms
Min. closing time at 6 bar	135 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	825 N
Gripping force per gripper jaw at 6 bar, closing	770 N
Mass moment of inertia	74.991 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	4,000 N
Max. torque at gripper Mx static	140 Nm
Max. torque at gripper My static	120 Nm
Max. torque at gripper Mz static	80 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	3,633 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	Aluminium COMPCOTE coated
Materials information for gripper jaws	Steel Hardened