

# Parallel gripper HGPP-10-A-G2

Part number: 525660

FESTO



 [General operating condition](#)

## Data sheet

Feature	Value
Size	10
Stroke per gripper jaw	2 mm
Max. interchangeability	0.1 mm
Max. gripper jaw angular play ax, ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotational symmetry	0.05 mm
Pneumatic gripper repetition accuracy	≤0.02 mm
Number of gripper jaws	2
Actuator system	Pneumatic
Mode of operation	Double-acting
Gripper function	Parallel
Gripping force backup	During closing
Structural design	Gear rack/pinion
Position sensing	For Hall sensor For inductive sensors
Symbol	00991895
Operating pressure	5 bar ... 8 bar
Max. operating frequency of pneumatic gripper	4 Hz
Min. opening time at 6 bar	26 ms
Min. closing time at 6 bar	32 ms
Max. mass per external gripper finger	50 g
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Ambient temperature	5 °C ... 60 °C
Mass moment of inertia	0.43 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	40 N
Maximum torque on gripper jaw, Mx static	1.5 Nm
Maximum torque on gripper jaw, My static	1.5 Nm
Maximum torque on gripper jaw, Mz static	1.5 Nm
Product weight	127 g
Type of mounting	With internal thread
Pneumatic connection	M3
Note on materials	RoHS compliant

<b>Feature</b>	<b>Value</b>
Cover cap material	POM
Housing material	Wrought aluminum alloy, hard-anodized
Gripper jaw material	Wrought aluminum alloy, nickel-plated