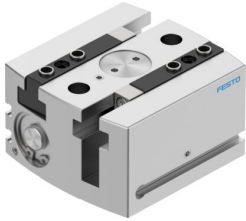


# Parallel gripper HGPL-25-20-A-B

Part number: 3361483

FESTO



[PDF](#) General operating condition

## Data sheet

Feature	Value
Size	25
Stroke per gripper jaws	20 mm
Max. replacement accuracy	<0.2 mm
Max. angular gripper jaw backlash ax, ay	<0.2 deg
Max. gripper jaw backlash Sz	<0.05 mm
Rotationally symmetrical	≤0.2 mm
Repetition accuracy, gripper	<0.03 mm
Number of gripper jaws	2
Drive system	Pneumatic
Mounting position	optional
Mode of operation	Double-acting
Gripper function	Parallel
Gripper force back-up	None
Design	Twin piston Guidance Piston gate valve T-shape Rack and pinion
Position detection	Via proximity switch
Symbol	00991894
Operating pressure	3 bar ... 8 bar
Max. operating frequency of gripper	<1 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	170 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	150 ms
Max. mass per external gripper finger	250 g
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	5 °C ... 60 °C
Total gripping force, opening, 0.6MPa (6bar, 87 psi)	412 N
Total gripping force, closing, 0.6MPa (6bar, 87 psi)	512 N
Gripper force per gripper jaw, opening, 0.6 MPa (6 bar, 87 psi)	206 N
Gripper force per gripper jaw, closing, 0.6 MPa (6 bar, 87 psi)	256 N
Mass moment of inertia	11.98 kgcm <sup>2</sup>

<b>Feature</b>	<b>Value</b>
Max. force on gripper jaw Fz static	1500 N
Max. torque at gripper Mx static	100 Nm
Max. torque at gripper My static	60 Nm
Max. torque at gripper Mz static	70 Nm
Lubrication interval for guide components	5 MioCyc
Product weight	1015 g
Type of mounting	Via female thread and centring sleeve Via through-hole and centring sleeve
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material housing	Smooth-anodised wrought aluminium alloy
Material gripper jaws	Hardened steel