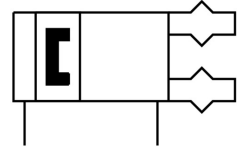
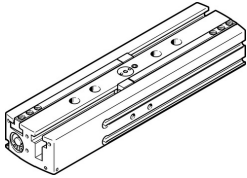


# Parallel gripper HGPL-14-80-A-B

Part number: 3361482

FESTO



## Data sheet

Feature	Value
Size	14 14
Stroke per gripper jaw	80 mm
Max. interchangeability	<0.2 mm
Max. gripper jaw angular play ax, ay	<0.2 deg
Max. gripper jaw backlash Sz	<0.05 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	<0.03 mm
Type code	HGPL HGPL
Number of gripper jaws	2
Mounting position	Any Any
Mode of operation	Double-acting
Gripper function	Parallel Parallel
Design	Gear rack/pinion T-shape Twin piston Piston gate valve Guide Twin piston Guide Piston gate valve T-shape Gear rack/pinion
Position sensing	For proximity sensor For proximity sensor
Symbol	00991894 00991894
Total gripping force at 6 bar, opening	126 N
Total gripping force at 6 bar, closing	158 N
Operating pressure	3 bar ... 8 bar
Max. operating frequency of pneumatic gripper	<1 Hz
Min. opening time at 6 bar	286 ms
Min. closing time at 6 bar	270 ms
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4] 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) Operation with oil lubrication possible (required for further use)

Feature	Value
Corrosion resistance class (CRC)	2 - Moderate corrosion stress 2 - Moderate corrosion stress
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	63 N
Gripping force per gripper jaw at 6 bar, closing	79 N
Mass moment of inertia	21.93 kgcm <sup>2</sup>
Maximum force on gripper jaw Fz, static	500 N
Maximum torque on gripper jaw, Mx static	35 Nm
Maximum torque on gripper jaw, My static	35 Nm
Maximum torque on gripper jaw, Mz static	35 Nm
Relubrication interval for guidance elements	5 MioCyc
Max. mass per external gripper finger	80 g
Product weight	720 g
Type of mounting	With internal thread and centering sleeve Via through-hole and centering sleeve With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	M5 M5
Note on materials	Free of copper and PTFE RoHS-compliant Free of copper and PTFE RoHS-compliant
Housing material	Smooth anodized Aluminum Aluminum Smooth anodized
Gripper jaw material	Steel Hardened Steel Hardened