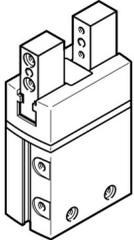


Parallel gripper DHPS-20-A

Part number: 1254046

FESTO



Data sheet

Feature	Value
Size	20
Stroke per gripper jaw	6.5 mm
Max. interchangeability	≤0.2 mm
Max. gripper jaw angular play ax, ay	<0.5 deg
Max. gripper jaw backlash Sz	<0.02 mm
Rotational symmetry	≤0.2 mm
Pneumatic gripper repetition accuracy	<0.02 mm
Type code	DHPS
Number of gripper jaws	2
Mounting position	Any
Mode of operation	Double-acting
Gripper function	Parallel
Structural design	Lever Positively driven motion sequence
Guide	Sliding guide
Position sensing	For proximity sensor
Symbol	00991894
Total gripping force at 6 bar, opening	320 N
Total gripping force at 6 bar, closing	290 N
Operating pressure	2 bar ... 8 bar
Max. operating frequency of pneumatic gripper	3 Hz
Min. opening time at 6 bar	59 ms
Min. closing time at 6 bar	87 ms
Max. mass per external gripper finger	250 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)	1 - Low corrosion stress
Ambient temperature	5 °C ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	162 N
Gripping force per gripper jaw at 6 bar, closing	147 N
Mass moment of inertia	1.489 kgcm ²
Maximum force on gripper jaw Fz, static	250 N
Maximum torque on gripper jaw, Mx static	14 Nm
Maximum torque on gripper jaw, My static	14 Nm
Maximum torque on gripper jaw, Mz static	14 Nm
Relubrication interval for guidance elements	10 MioCyc

Feature	Value
Product weight	380 g
Type of mounting	Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve
Pneumatic connection	M5
Note on materials	RoHS-compliant
Cover cap material	PA
Housing material	Wrought aluminum alloy Hard-anodized
Gripper jaw material	High-alloy stainless steel