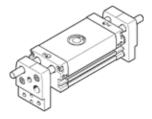
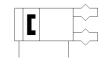
parallel gripper DHPL-40-200-P-A Part number: 8112226



Data sheet

Size 40 Total stroke 200 mm Stroke per gripper jaw 100 mm Max. replacement accuracy <= 0.2 mm Max. angular gripper jaw backlash sz <= 0.065 mm Rotationally symmetrical <= 0.2 mm Repetition accuracy, gripper <= 0.03 mm Number of gripper fingers 2 Drive system pneumatic Assembly position Any Mode of operation double-acting Cushioning P: Flexible cushioning rings/plates at both ends Gripper function Parallel Gripper force back-up No Design structure Rack and pinion Guide Plain-bearing guide Position detection For proximity sensor Total gripping force at 0.6 MPa (6 bar, 87 psi), opening 1,180 N Total gripping resure 1.5 0.8 MPa Operating pressure MPa 0.15 0.8 MPa Operating pressure MPa 0.15 0.8 MPa Operating time at 0.6 MPa (6 bar, 87 psi) 427 ms Min. opening time at 0.6 MPa (6 bar, 87 psi) 427 ms Min. opening time at 0.6 MPa (6 bar, 87 psi) 427 ms Min. opening time at 0.6 MPa (6 bar, 87 psi) 427 ms Min. opening time at 0.6 MPa (6 bar, 87 psi) 427 ms <tr< th=""><th></th><th>Value</th><th>Feature</th></tr<>		Value	Feature
Stroke per gripper jaw100 mmMax. replacement accuracy< 0.2 mm		40	Size
Max. replacement accuracy <= 0.2 mm		200 mm	Total stroke
Max. replacement accuracy <= 0.2 mm		100 mm	Stroke per gripper jaw
Max. argular gripper jaw backlash ax,ay <= 0.1 deg		<= 0.2 mm	
Max. gripper jaw backlash Sz <= 0.065 mm		<= 0.1 deg	
Rotationally symmetrical<= 0.2 mmRepetition accuracy, gripper<= 0.03 mm			
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Max. operating frequency of gripper <= 0.6 Hz		-	operating pressure
Min. opening time at 0.6 MPa (6 bar, 87 psi) 427 ms Min. closing time at 0.6 MPa (6 bar, 87 psi) 524 ms Max. mass per external gripper finger 801 g Operating medium Compressed air in accordance with ISO8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation possible (subsequently required for further operation) Corrosion resistance classification CRC 1 - Low corrosion stress PWIS conformity VDMA24364-B1/B2-L Protection class IP54		•	Max operating frequency of gripper
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PWIS conformity VDMA24364-B1/B2-L Protection class IP54			Corrosion resistance classification CRC
Protection class IP54			
			Ambient temperature
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening 590 N			
Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing 496 N		496 N	
Mass moment of inertia 786.9 1,625 kgcm2			
Max. force on gripper jaw Fz static 750 N			
Max. torque at gripper Mx static 22 Nm			
Max. torque at gripper My static 22 Nm			
Max. torque at gripper Mz static 22 Nm			
Maintenance interval Life-time lubrication			, _ ,
Product weight 6,480 g			
Mounting type Direct mounting via threads			-
with through hole			
Optional		-	





FESTO

Feature	Value
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover cap	Anodised wrought aluminium alloy
Material cover	Anodised wrought aluminium alloy
Material end plate	Anodised wrought aluminium alloy
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	Anodised wrought aluminium alloy
Material piston seal	TPE-U(PU)
Material piston rod	High alloy steel, non-corrosive
Material o-ring	NBR
Material screws	Galvanised steel
Gear rack material	High alloy steel, non-corrosive
Gear material	Sintered bronze