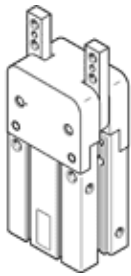


# Radial gripper DHRC-25-A

Part number: 8128142

FESTO



## Data sheet

Feature	Value
Size	25
Max. replacement accuracy	$\leq 0.2$ mm
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.1$ mm
Number of gripper fingers	2
Drive system	pneumatic
Assembly position	Any
Mode of operation	double-acting
Gripper function	radial
Gripper force back-up	No
Design structure	Connection direction at side guided motion sequence
Position detection	For proximity sensor
Operating pressure MPa	0.1 ... 0.8 MPa
Working pressure	1 ... 8 bar
Operating pressure	14.5 ... 116 psi
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	90 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	117 ms
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	0 - No corrosion stress
PWIS conformity	VDMA24364-B2-L
Ambient temperature	-10 ... 60 °C
Total gripping torque at 0.6 MPa (6 bar, 87 psi) opening	343.6 Ncm
Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing	277.5 Ncm
Mass moment of inertia	1.311 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	140 N
Max. torque at gripper Mx static	7 Nm
Max. torque at gripper My static	4 Nm
Max. torque at gripper Mz static	7 Nm
Product weight	438.5 g
Mounting type	Direct mounting via through-holes Direct mounting via threads With through-hole and dowel pin With internal thread and dowel pin Optional
Pneumatic connection	M5
Materials note	Conforms to RoHS
Material cover cap	Anodised wrought aluminium alloy
Material housing	Anodised wrought aluminium alloy
Material gripper jaws	High alloy steel