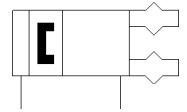


# radial gripper DHRS-10-A

Part number: 1310159

FESTO



## Data sheet

Feature	Value
Size	10
Max. replacement accuracy	$\leq 0.2 \text{ mm}$
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2 \text{ mm}$
Repetition accuracy, gripper	$\leq 0.1 \text{ mm}$
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	radial
Design structure	guided motion sequence
Position detection	For Hall sensors
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	$\leq 4 \text{ Hz}$
Min. opening time at 6 bar	35 ms
Min. closing time at 6 bar	91 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	1 - Low corrosion stress
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	21 Ncm
Total gripping torque at 6 bar, closing	15 Ncm
Mass moment of inertia	0.03 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	30 N
Max. torque at gripper Mx static	0.8 Nm
Max. torque at gripper My static	0.8 Nm
Max. torque at gripper Mz static	0.8 Nm
Product weight	44 g
Mounting type	Optional Internal thread and centring sleeve With through-hole and centring sleeve
Pneumatic connection	M3
Materials note	Conforms to RoHS
Material cover cap	PA
Material housing	Wrought Aluminium alloy Hard anodised
Material gripper jaws	High alloy steel