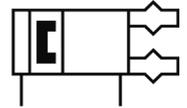
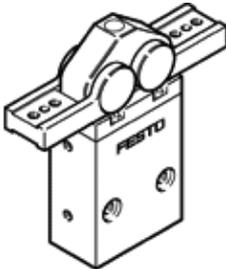


Radial gripper HGR-16-A

Part number: 161829

FESTO

Self-centering, can be used as internal and external gripper, 182° opening angle. Magnetic piston for proximity position sensing.
Minimum working pressure is increased to as high as > 4 bar in the event of increased device temperature.
Type to be discontinued. Available until 2011.



Data sheet

Feature	Value
Size	16
Max. replacement accuracy	0.2 mm
Max. opening angle	180 deg
Repetition accuracy, gripper	≤ 0.1 mm
Number of gripper fingers	2
Mode of operation	double-acting
Gripper function	radial
Design structure	Rack and pinion
Position detection	For proximity sensor
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	40 ms
Min. closing time at 6 bar	45 ms
Operating medium	Filtered compressed air
Corrosion resistance classification CRC	2
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	56 Ncm
Total gripping torque at 6 bar, closing	50 Ncm
Max. force on gripper jaw Fz static	25 N
Max. torque at gripper Mx static	0.3 Nm
Max. torque at gripper My static	1.5 Nm
Max. torque at gripper Mz static	1 Nm
Product weight	110 g
Mounting type	with internal (female) thread
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover cap	POM
Materials information, housing	Wrought Aluminum alloy Hard anodized
Materials information for gripper jaws	Wrought Aluminum alloy Hard anodized