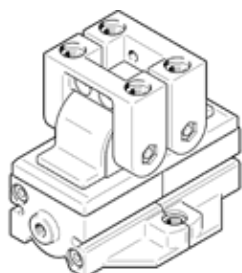


# radial gripper HGRC-20-A

Part number: 565133  
Product to be discontinued

FESTO

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



## Data sheet

Feature	Value
Size	20
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.5$ deg
Max. gripper jaw backlash Sz	$\leq 0.1$ mm
Max. opening angle	180 deg
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.05$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	radial
Design structure	Rack and pinion guided motion sequence
Position detection	For proximity sensor
Operating pressure	2 ... 8 bar
Max. operating frequency of gripper	$\leq 4$ Hz
Min. opening time at 6 bar	170 ms
Min. closing time at 6 bar	160 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	2 - Moderate corrosion stress
Ambient temperature	5 ... 60 °C
Total gripping torque at 6 bar, opening	144 Ncm
Total gripping torque at 6 bar, closing	144 Ncm
Mass moment of inertia	4.31 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	80 N
Max. torque at gripper Mx static	8 Nm
Max. torque at gripper My static	1.9 Nm
Max. torque at gripper Mz static	6.7 Nm
Lubrication interval for guide components	10 Mio SP
Product weight	700 g
Mounting type	Internal thread and centring sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE Conforms to RoHS
Material housing	Zinc die-casting Painted
Material gripper jaws	Zinc die-casting Painted