

Guided drive DGRF-C-GF-50- -

Part number: 562220

FESTO



Data sheet

Feature	Value
Stroke	10 mm...400 mm
Piston diameter	50 mm
Drive unit operating mode	Yoke
Cushioning	Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Guide	Plain-bearing guide
Structural design	Guide
Position sensing	Via proximity switch
Variants	For unlubricated operation
Operating pressure	0.15 MPa...1.2 MPa 1.5 bar...12 bar
Mode of operation	Double-acting
Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Corrosion resistance class (CRC)	3 - High corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
For use in the food industry	See supplementary material information
Ambient temperature	-20 °C...80 °C
Impact energy in the end positions	1 J
Cushioning length	22 mm
Theoretical force at 6 bar, retracting	990 N
Theoretical force at 6 bar, advancing	1178 N
Torsional backlash	0.069 deg
Moving mass at 0 mm stroke	1792 g
Additional moving mass per 10 mm stroke	101.7 g
Basic weight with 0 mm stroke	4797 g
Additional weight per 10 mm stroke	136.6 g
Type of mounting	Alternatively: With through-hole With internal thread
Pneumatic connection	G1/4

Feature	Value
Note on materials	RoHS compliant
Cover material	Die-cast aluminum Coated
Guide rod material	high-alloy stainless steel
Housing material	Wrought aluminum alloy
Piston rod material	high-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy