

Guided drive DGRF-C-GF-50- -

Part number: 562220

FESTO



Data sheet

Feature	Value
Stroke	10 mm...400 mm
Piston diameter	50 mm
Operating mode, drive unit	Yoke
Cushioning	Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Guide	Plain-bearing guide
Design	Guidance
Position detection	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 to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	3 - high corrosion stress
LABS (PWIS) conformity	VDMA24364-B2-L
Suitable for use with food	See supplementary material information
Ambient temperature	-20 °C...80 °C
Impact energy in end positions	1 J
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	1178 N
Torsional backlash	0.069 deg
Moving mass for 0 mm stroke	1792 g
Additional moving mass per 10 mm stroke	101.7 g
Basic weight for 0 mm stroke	4797 g
Additional weight per 10 mm stroke	136.6 g
Type of mounting	With through-hole Via female thread Either:
Pneumatic connection	G1/4

Feature	Value
Note on materials	RoHS-compliant
Material cover	Die-cast aluminium Coated
Material guide rod	High-alloy stainless steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel
Material cylinder barrel	Wrought aluminium alloy