

Guided drive DGRF-C-GF-50- -

Part number: 562220

FESTO



 General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

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	Sliding guide
Structural design	Guide
Position sensing	For proximity sensor
Variants	For unlubricated operation
Operating pressure	0.15 MPa ... 1.2 MPa
Operating pressure	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	With through-hole With internal thread
Pneumatic connection	G1/4
Note on materials	RoHS-compliant
Cover material	Die-cast aluminum Coated
Guide rod material	High-alloy stainless steel

Feature	Value
Housing material	Wrought aluminum alloy
Piston rod material	High-alloy stainless steel
Material of cylinder barrel	Wrought aluminum alloy