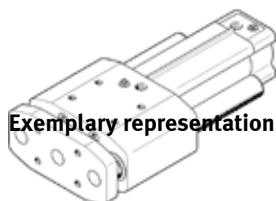


Guide cylinder DGRF-C-GF-50- -

Part number: 562220

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 ... 400 mm
Piston diameter	50 mm
Operating mode of drive unit	Yoke
Cushioning	PPS: Self-adjusting pneumatic end-position cushioning PPV: Pneumatic cushioning adjustable at both ends
Assembly position	Any
Guide	Plain-bearing guide
Design structure	Guide
Position detection	For proximity sensor
Variants	For unlubricated operation
Operating pressure MPa	0.15 ... 1.2 MPa
Working pressure	1.5 ... 12 bar
Mode of operation	double-acting
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	3 - High corrosion stress
PWIS conformity	VDMA24364-B2-L
Food-safe	See Supplementary material information
Ambient temperature	-20 ... 80 °C
Impact energy in end positions	1 J
Cushioning length	22 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	990 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178 N
Torsional backlash	0.069 deg
Moving mass with 0 mm stroke	1,792 g
Additional mass factor per 10 mm of stroke	101.7 g
Basic weight for 0 mm stroke	4,797 g
Additional weight per 10 mm stroke	136.6 g
Mounting type	with through hole with internal (female) thread Optional
Pneumatic connection	G1/4
Materials note	Conforms to RoHS
Material cover	Aluminum die cast coated
Material guide rod	High alloy steel, non-corrosive
Material housing	Wrought Aluminum alloy
Material piston rod	High alloy steel, non-corrosive
Material cylinder barrel	Wrought Aluminum alloy