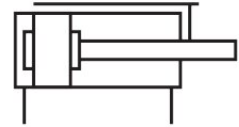
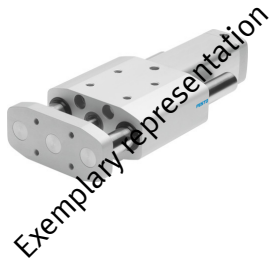


Guided drive DGRF-C-GF-25- -P

Part number: 562217

FESTO



 [General operating condition](#)

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	10 mm ... 400 mm
Piston diameter	25 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/plates at both ends
Mounting position	Any
Guide	Plain-bearing guide
Design	Guidance
Symbol	00991738
Variants	For unlubricated operation
Operating pressure	0.2 MPa ... 1 MPa
Operating pressure	2 bar ... 10 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	0.3 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	247 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	295 N
Torsional backlash	0.107 deg
Moving mass for 0 mm stroke	486 g
Additional moving mass per 10 mm stroke	37.7 g
Basic weight for 0 mm stroke	1199 g
Additional weight per 10 mm stroke	54.6 g
Type of mounting	With through-hole With female thread
Pneumatic connection	M5
Note on materials	RoHS compliant
Material cover	Wrought aluminium alloy
Material guide rod	High-alloy stainless steel
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel

Feature	Value
Material cylinder barrel	Wrought aluminium alloy