

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

Part number: 562217

FESTO



## Data sheet

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	optional
Guide	Plain-bearing guide
Design	Guidance
Variants	For unlubricated operation
Operating pressure	0.2 MPa...1 MPa 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 Via female thread Either:
Pneumatic connection	M5
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy

<b>Feature</b>	<b>Value</b>
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