

linear drive

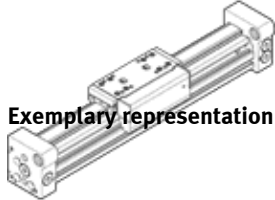
DGC-50- -

Part number: 532450

★ Core product range

Other stroke lengths upon request. Refer to the catalogue pages (PDF) for the characteristic load values.

FESTO



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 ... 5,000 mm
Piston diameter	50 mm
Cushioning	P: Flexible cushioning rings/plates at both ends PPV: Pneumatic cushioning adjustable at both ends YXR: Shock absorber, hard characteristic curve YSRW: Shock absorber, soft characteristic curve
Assembly position	Any
Guide	Plain-bearing guide Basic guide Recirculating ball bearing guide
Position detection	For proximity sensor
Variants	Axis clamping unit Additional slide, on left as standard Additional slide, on right as standard
Operating pressure MPa	0.15 ... 0.8 MPa
Operating pressure	1.5 ... 8 bar
Mode of operation	double-acting
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
UKCA marking (see declaration of conformity)	To UK EX instructions
Explosion protection certification outside the EU	EPL Dc (GB) EPL Gb (GB)
ATEX category Gas	II 2G
ATEX category Dust	II 3D
Explosion ignition protection type Gas	Ex h IIC T4 Gb X
Explosion ignition protection type Dust	Ex h IIIC T120°C Dc X
Explosion-proof ambient temperature	-10°C ≤ Ta ≤ +60°C
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:-:]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	0 - No corrosion stress 1 - Low corrosion stress 2 - Moderate corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Food-safe	See Supplementary material information
Ambient temperature	-10 ... 60 °C
Cushioning length	29.8 mm
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	1,178 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	1,178 N
alternative connections	See product drawing
Mounting type	with accessories
Pneumatic port on clamping unit	M5
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
Material seals	NBR TPE-U(PU)