

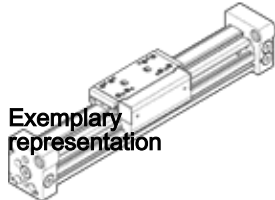
linear drive DGC-18- -

Part number: 532446

☆ Core product range

FESTO

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



Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	values
Stroke	1 ... 3,000 mm
Piston diameter	18 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	Basic guide Plain-bearing guide Recirculating ball bearing guide
Position detection	For proximity sensor
Variants	protected recirculating ball bearing guide Additional slide, on left as standard Additional slide, on right as standard
Operating pressure	2 ... 8 bar
Mode of operation	double-acting
ATEX category Gas	II 2G
Explosion ignition protection type Gas	c T4 X
ATEX category Dust	II 3D
Explosion ignition protection type Dust	c 120 °C (T4) 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)
CE mark (see declaration of conformity)	to EU directive explosion protection (ATEX)
Corrosion resistance classification CRC	1 - Low corrosion stress 2 - Moderate corrosion stress
Food-safe	See Supplementary material information
Ambient temperature	-10 ... 60 °C
Cushioning length	16.5 mm
Theoretical force at 6 bar, return stroke	153 N
Theoretical force at 6 bar, advance stroke	153 N
alternative connections	See product drawing
Mounting type	with accessories
Materials note	Free of copper and PTFE Conforms to RoHS
Materials information for cover	Wrought Aluminium alloy
Materials information for seals	NBR TPE-U(PU)