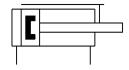
Part number: 544019





## **Data sheet**

Feature	Value
Stroke	80 mm
Adjustable end position range/length front	50.5 mm
Adjustable end position range/length rear	49.5 mm
Piston diameter	25 mm
Operating mode, drive unit	Yoke
Cushioning	Elastic cushioning rings/pads at both ends with fixed stop
Mounting position	optional
Guide	Ball bearing cage guide
Design	Yoke Piston Piston rod Slide
Position detection	Via proximity switch
Operating pressure	0.1 MPa0.8 MPa 1 bar8 bar
Max. speed	0.8 m/s
Repetition accuracy	±0.01 mm
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	0 - No corrosion stress
LABS (PWIS) conformity	VDMA24364-B1/B2-L
Ambient temperature	0 °C60 °C
Impact energy in end positions	0,2 Nm
Cushioning length	5 mm
Max. force Fy	4032 N
Max. force Fz	4032 N
Max. moment Mx	75 Nm
Max. moment My	50 Nm
Max. moment Mz	50 Nm
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

Feature	Value
Moving mass	998 g
Product weight	2449 g
alternative connections	See product drawing
Type of mounting	With through-hole
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material cover	Wrought aluminium alloy
Material seals	HNBR
Material housing	Wrought aluminium alloy
Material piston rod	High-alloy stainless steel