



General operating condition

Data sheet

Overall data sheet – Individual values depend upon your configuration.

Feature	Value
Stroke	1 mm 2800 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5 M20 M16x1.5 M16 M12
Torsional backlash at piston rod +/-	-0.45 deg 0.45 deg
Based on standard	ISO 15552
Cushioning	Elastic cushioning rings/plates at both ends Self-adjusting pneumatic end-position cushioning Pneumatic cushioning, adjustable at both ends
Mounting position	optional
Conforms to standard	ISO 15552
Piston-rod end	Male thread Female thread
Design	Piston Piston rod Tie rod Cylinder barrel
Position detection	Via proximity switch
Symbol	00991217 00991218 00991235 00991237 00992970 00992971

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Material piston seal FPM HNBR TPE-U(PU)	Note on materials	RoHS-compliant
HNBR TPE-U(PU)	Material cover	Coated die-cast aluminium
TPE-U(PU)	Material piston seal	
Waterial piston Wrought aluminium alloy		
	Material piston	Wrought aluminium alloy

Feature	Value
Material piston rod	High-alloy stainless steel, hard chrome-plated High-alloy steel High-alloy stainless steel
Material piston rod wiper	FPM HNBR PE TPE-U(PU)
Buffer seal material	FPM TPE-U(PU)
Cushioning boss material	Wrought aluminium alloy POM
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	Galvanised steel High-alloy stainless steel
Material rod wiper	Brass PTFE reinforced
Material bearing	Bronze Metal polymer compound POM
Material collar nut	Galvanised steel
Material tie rod	High-alloy steel High-alloy stainless steel
Material spacer bolt	High-alloy stainless steel
Material swivel mounting	Painted spheroidal graphite cast iron
Material bellows	NBR PA