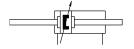
ISO cylinder DSBG-...-80- - Part number: 1646769







Data sheet

Feature	Value
Stroke	1 mm2800 mm
Piston diameter	80 mm
Piston rod thread	M20x1.5 M20 M16x1.5 M16 M12
Torsional backlash at piston rod +/-	-0.45 deg0.45 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

Bellows on bearing cap Hard scaper Extended male piston rod thread Piston rod with female thread Custom thread on the piston rod with female piston rod with female piston rod with female piston rod with female piston rod Demends piston rod West ascaper With protection against rotation Uniform, slow roverement Low friction Through piston and Heat-resistant seals made against the piston for the piston rod described the piston rod described the piston rod described the piston rod described the piston rod piston rod thread Piston rod at one end Operating pressure Operating pressure Operating pressure Operating pressure Oos Mra 12 Mra Oos Mra 12 M	Feature	Value
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Temperature range -4.0 to 80°C Shortened male piston rod thread Piston rod at one end		
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Piston rod at one end Operating pressure Operating pressure Obs MPa1.2 MPa Obsolam Potection Directive (ATEX) To EU Explosion Protection Directive (ATEX) To EU Explosion protection Explosion protection Explosion protection Explosion protection certification outside the EU EXPLOSION PROTECTION OF TO EXPLOSION OF TO EXP		
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3 - high corrosion stress LABS (PWIS) conformity VDMA24364 B1/B2-L VDMA24364 zone III Ambient temperature -40 °C150 °C Impact energy in end positions 1.8 J Cushioning length 32 mm Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 2721 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Additional weight per piston rod extension of 10 mm 39 g Additional weight per piston rod thread extension of 10 mm 22 g Either: Via female thread With accessories Pneumatic connection G3/8 Note on materials RoHS-compliant Material cover Die-cast aluminium, coated #MNBR TPE-U(PU) Material piston rod Material piston rod Material piston rod High-alloy stainless steel, hard chrome-plated High-alloy stainless steel Merpantic piston rod wiper Merpantic piston rod wiper #MORA #MO	Note on operating and pilot medium	
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Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Additional weight per piston rod extension of 10 mm 39 g Additional weight per piston rod thread extension of 10 mm 22 g Type of mounting Either: Via female thread With accessories Pneumatic connection G3/8 Note on materials RoHS-compliant Die-cast aluminium, coated FPM HNBR TPE-U(PU) Material piston rod High-alloy stainless steel, hard chrome-plated High-alloy steel High-alloy stainless steel Material piston rod wiper Wrought aluminium alloy High-alloy stainless steel HPM HNBR PE	Impact energy in end positions	1.8 J
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Additional weight per piston rod extension of 10 mm 39 g Additional weight per piston rod thread extension of 10 mm 22 g Type of mounting Either: Via female thread With accessories Pneumatic connection G3/8 Note on materials RoHS-compliant Material piston seal FPM HNBR TPE-U(PU) Material piston rod High-alloy stainless steel, hard chrome-plated High-alloy stainless steel Material piston rod wiper Material piston rod wiper Material piston rod wiper FPM HNBR FPE HNBR PE	Cushioning length	32 mm
Additional weight per piston rod extension of 10 mm 22 g Type of mounting Pneumatic connection Rotton materials Material piston seal Material piston rod Material piston rod wiper	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	2721 N
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Type of mounting Either: Via female thread With accessories Pneumatic connection G3/8 Note on materials Material cover Die-cast aluminium, coated FPM HNBR TPE-U(PU) Material piston Material piston rod Material piston rod wiper FPM HNBR TPE-URD High-alloy stainless steel, hard chrome-plated High-alloy stainless steel Material piston rod wiper FPM HNBR PE	Additional weight per piston rod extension of 10 mm	39 g
Via female thread With accessories Pneumatic connection G3/8 Note on materials RoHS-compliant Material cover Die-cast aluminium, coated FPM HNBR TPE-U(PU) Material piston Material piston rod High-alloy stainless steel, hard chrome-plated High-alloy stainless steel Material piston rod wiper Material piston rod wiper FPM HNBR PE	Additional weight per piston rod thread extension of 10 mm	22 g
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Material piston rod wiper FPM HNBR PE	Material piston rod	High-alloy stainless steel, hard chrome-plated High-alloy steel
	Material piston rod wiper	FPM HNBR
		PE TPE-U(PU)

Feature	Value
Buffer seal material	FPM TPE-U(PU)
Cushioning piston material	Wrought aluminium alloy
Material cylinder barrel	Smooth-anodised wrought aluminium alloy
Material nut	Galvanised steel High-alloy stainless steel
Material bearing	Bronze Metal polymer compound POM
Material tie rod	High-alloy steel High-alloy stainless steel