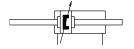
ISO cylinder DSBG-...-160- - Part number: 2036032







Data sheet

Feature	Value
Stroke	1 mm2700 mm
Piston diameter	160 mm
Piston rod thread	M36x2 M36 M30x2 M27x2 M27 M24 M20x1.5 M20 M16x1.5
Based on norm	ISO 15552
Cushioning	Elastic cushioning rings/pads at both ends Pneumatic cushioning, adjustable at both ends
Mounting position	Any
Conforms to standard	ISO 15552
Piston rod end	External thread Internal thread
Structural design	Piston Piston rod Tie rod Cylinder barrel
Position sensing	For proximity sensor

Internal thread on piston rod Special thread on piston rod Extended piston rod Extended piston rod Metal scraper High corrowins protection Hinough piston rod Specer bott on end cap end Spacer bott on end cap end Spacer bott on bearing cap end Variable spacer bot length end Variable spacer bot length end For proximity switch Outs MPA MPA Och bar 10 Par Hinough Capital Company Extending Gee declaration of conformity) Special piston rod external thread Potor rod at one end For proximity switch Och Bar 10 Dar Hodde of operation Double-acting Extending Gee declaration of conformity) Special piston protection directive (ATEX) Zone 1 (ATEX) Zone 2 (ATEX) Zone 3 (ATEX) Zone 4 (ATEX) Zone 5	Feature	Value
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Temperature range 0 to + 150°C		
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For proximity switch		
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Type of (ignition) protection for dust c T120°C Explosive ambient temperature -20°C ← Ta ← +60°C Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress 3 - High corrosion stress 3 - High corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L VDMA24364-B1/B2-L VDMA24364-Sone III Imbient temperature -20°C150°C Impact energy in the end positions 2.3 J3.3 J Cushioning length 48 mm Cheoretical force at 6 bar, retracting 11310 N Cheoretical force at 6 bar, advancing 11310 N12064 N Penumatic connection G3/4 Vote on materials ROH5-compliant Cover material Die-cast aluminum, coated Piston seal material FPM Material of piston Cast aluminum Piston rod material high-alloy stainless steel, hard chrome plated High-alloy stainless steel Piston rod wiper material FPM NBR PRM Suffer seal material	ATEX category for dust	II 2D
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Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 2 - Moderate corrosion stress 3 - High corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L VDMA2464-B1/B2-L VDMA24464-B1/B2-L VDMA24464-B1/B2-L VDMA24464-B1/B2-L VDMA24464-B1/B2-L VDMA24464-B1/B2-L VDMA24464-B	Explosive ambient temperature	-20°C <= Ta <= +60°C
Corrosion resistance class (CRC) 2 - Moderate corrosion stress 3 - High corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L VDMA24364 zone III Ambient temperature -20 °C150 °C Impact energy in the end positions 2.3 J3.3 J Cushioning length 48 mm Theoretical force at 6 bar, retracting 11310 N Poeumatic connection G3/4 Note on materials RoHS-compliant Cover material Die-cast aluminum, coated PFM NBR Material of piston Cast aluminum Piston rod material PFM NBR Suffer seal material FPM NBR Suffer seal material PFM NBR Material of cylinder barrel Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Nut material Steel, galvanized High-alloy stainless steel	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
3 - High corrosion stress VDMA24364-81/82-L VDMA24364-20ne III Ambient temperature 2-0 °C150 °C Impact energy in the end positions 2.3 J3.3 J Cushioning length 48 mm Theoretical force at 6 bar, retracting 11310 N Theoretical force at 6 bar, advancing 11310 N12064 N Poeumatic connection G3/4 Note on materials Cover material Die-cast aluminum, coated PPM NBR Material of piston Cast aluminum Piston rod material Piston rod material Piston rod wiper material Piston rod wiper material Buffer seal material PFM NBR Suffer seal material PFM NBR Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Nut material Steel, galvanized High-alloy stainless steel High-alloy, smooth-anodized Nut material Steel, galvanized High-alloy, smooth-anodized	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
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Preumatic connection G3/4 RoHS-compliant Die-cast aluminum, coated PESTON Seal material Die-cast aluminum, coated PESTON Seal material PESTON Seal	Theoretical force at 6 bar, retracting	11310 N
Note on materials Cover material Die-cast aluminum, coated PEN NBR Material of piston Cast aluminum Piston rod material Piston rod wiper material Pon NBR Suffer seal material FPM TPE-U(PU) Cushion piston material Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Nut material Steel, galvanized High-alloy stainless steel	Theoretical force at 6 bar, advancing	11310 N12064 N
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Piston seal material PPM NBR Material of piston Cast aluminum high-alloy stainless steel, hard chrome plated High-alloy stainless steel Piston rod wiper material PPM NBR PPM NBR Buffer seal material FPM NBR Suffer seal material PPM TPE-U(PU) Cushion piston material Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Steel, galvanized High-alloy stainless steel	Note on materials	RoHS-compliant
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NBR Buffer seal material FPM TPE-U(PU) Cushion piston material Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Nut material Steel, galvanized High-alloy stainless steel	Piston rod material	High-alloy steel
TPE-U(PU) Cushion piston material Wrought aluminum alloy POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Nut material Steel, galvanized High-alloy stainless steel	Piston rod wiper material	
POM Material of cylinder barrel Wrought aluminum alloy, smooth-anodized Steel, galvanized High-alloy stainless steel	Buffer seal material	
Nut material Steel, galvanized High-alloy stainless steel	Cushion piston material	,
High-alloy stainless steel	Material of cylinder barrel	Wrought aluminum alloy, smooth-anodized
Rod wiper material Brass	Nut material	
	Rod wiper material	Brass

Feature	Value
Material of bearing	Bronze Metal polymer compound
Collar nut material	Steel, galvanized
Tie rod material	High-alloy steel High-alloy stainless steel
Spacer bolt material	High-alloy steel High-alloy stainless steel
Swivel mounting material	Painted spheroidal graphite cast iron