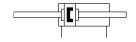
Round cylinder DSNU-2 1/2""- -P-A-S2 Part number: 548519







Data sheet

Piston rod thread Based on standard Cushioning Elastic cushioning rings/plates at both ends optional Piston-rod end Male thread Design Piston Piston rod Position detection Via proximity switch Variants Through piston rod Operating pressure O.1 MPa1 MPa 1 bar10 bar Mode of operation 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 2. Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 4. °F176 °F Impact energy in end positions 0.959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 374 lbf Moving mass for 0 mm stroke Additional weight per 10 mm stroke Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials	Feature	Value
Piston rod thread Based on standard ISO 6431 Cushioning Elastic cushioning rings/plates at both ends Optional Piston-rod end Male thread Design Piston Piston nod Position detection Via proximity switch Variants Through piston rod Operating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Ubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2. Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 4.9°E176°F Impact energy in end positions Operatical 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 10 mm stroke Type of mounting Pneumatic connection Note on materials ROHS—Compliant Note on materials ROHS—Compliant	Stroke	0,4 in20 in
Based on standard Cushioning Elastic cushioning rings/plates at both ends Mounting position Piston-rod end Design Piston Piston rod Position detection Variants Through piston rod Operating pressure Operating pressure Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operation opsible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity Ambient temperature 4 - 9E176 - 9F Impact energy in end positions Operation 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 10 mm stroke Additional weight per 10 mm stroke Type of mounting Pneumatic connection Net Compact and Postions Net Compact and Postions RoHS-compliant	Piston diameter	2 1/2""
Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Piston-rod end Male thread Design Piston operation optional Position detection Via proximity switch Variants Through piston rod Operating pressure 0.1 MPa1 MPa 1 bar10 bar Mode of operation Operating and pilot 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 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-81/B2-L Ambient temperature 4 9 ft176 9 ft Impact energy in end positions 0,959 ft.lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials Robbs 1 metalog and positions 4 metalog and plant of the content of t	Piston rod thread	5/8-18 UNF-2A
Mounting position optional piston-rod end Male thread Design Piston Piston Piston optional Piston rod Position detection Via proximity switch Variants Through piston rod Operating pressure 0.1 MPa1 MPa1 MPa 1 bar10 bar 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 2- Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions 0,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Based on standard	ISO 6431
Piston-rod end Male thread Design Piston Piston Piston Piston rod Position detection Via proximity switch Variants Through piston rod Operating pressure 0.1 MPa1 MPa	Cushioning	Elastic cushioning rings/plates at both ends
Piston Piston rod Position detection Via proximity switch Variants Through piston rod Operating pressure O1.1 MPa1 MPa 1 bar10 bar Mode of operation 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 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials	Mounting position	optional
Piston rod Position detection Via proximity switch Variants Through piston rod Operating pressure Operating pressure Operating medium Operating medium Operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke Additional weight per 10 mm stroke Type of mounting With accessories Pneumatic connection Note on materials Piston rod Via proximity switch Note on materials Piston rod And MPa (1 MPa (1 MPa) Via proximity switch Via proximity switch Note on materials Piston rod Operating piston rod O.1 MPa1 MPa 1 bar10 bar Hove displayed and roll seventing Via proximity switch Valuanting piston rod Uniform piston U	Piston-rod end	Male thread
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Operating pressure Operating pressure On MPa1 MPa 1 bar10 bar Double-acting 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 2 · Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions O,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials	Position detection	Via proximity switch
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 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection Note on materials RoHS-compliant	Variants	Through piston rod
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 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions O,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Operating pressure	
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions O,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Mode of operation	Double-acting
always be required) Corrosion resistance class CRC 2 - Moderate corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -4 °F176 °F Impact energy in end positions O,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity Ambient temperature -4 °F176 °F Impact energy in end positions 0,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials ROHS-compliant	Note on operating and pilot medium	
Ambient temperature -4 °F176 °F Impact energy in end positions 0,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 336 lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Corrosion resistance class CRC	2 - Moderate corrosion stress
Impact energy in end positions O,959 ft-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 374 lbf Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Ambient temperature	-4 °F176 °F
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass for 0 mm stroke Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Impact energy in end positions	0,959 ft-lbf
Moving mass for 0 mm stroke 13013 oz Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	336 lbf
Additional weight per 10 mm stroke 709 oz Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	374 lbf
Type of mounting With accessories Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Moving mass for 0 mm stroke	13013 oz
Pneumatic connection 3/8 NPT Note on materials RoHS-compliant	Additional weight per 10 mm stroke	709 oz
Note on materials RoHS-compliant	Type of mounting	With accessories
	Pneumatic connection	3/8 NPT
Material cover Wrought aluminium alloy	Note on materials	RoHS-compliant
	Material cover	Wrought aluminium alloy
Material seals NBR TPE-U(PU)	Material seals	
Material piston rod High-alloy stainless steel	Material piston rod	High-alloy stainless steel

Feature	Value
Material cylinder barrel	High-alloy stainless steel