





## **Data sheet**

Piston rod thread  1/2 ** Piston rod thread  10-32 UNF-2A  Based on standard  150 6432  Elastic cushioning Elastic cushioning rings/plates at both ends  Wounting position  Piston-rod end  Male thread  Design Plston Piston rod  Piston rod  Piston rod  Piston rod at one end  Piston rod at one end  Deparating pressure  0.1 MPa1 MPa 1 bar10 bar  Deparating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  4 °F176 °F  mpact energy in end positions  0,0516 ft-lbf  Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Moderial from at those with the completion of the more than the completion of the correction of the more than the correction of the correction	Feature	Value
Piston rod thread Based on standard Based on sta	Stroke	0,4 in8 in
Dased on standard  Lushioning  Elastic cushioning rings/plates at both ends Optional  Male thread  Piston-rod end  Male thread  Piston rod  Piston rod  Piston rod  Optional  Piston rod  Optional  Piston rod  Optional  Optional	Piston diameter	1/2""
Elastic cushioning mings/plates at both ends Mounting position optional Male thread Design Piston Piston Piston Piston rod Position detection Via proximity switch Parainsts Piston rod at one end Deparating pressure 0.1 MPa1 MPa 1 bar10 bar Mode of operation Double-acting Deparating 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) Double-acting Piston rod at one end ONACAS (PMIS) conformity VDMA24364-B1/B2-L Ambient temperature 4 °F176 °F Departmentature 4 °F176 °F Departmentature 4 °F176 °F Departmentature 4 °F176 °F Departmentature 10,0516 Rt-lbf Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 10,2 lbf Departmentature 13,6 lbf Moving mass for 0 mm stroke 525 oz Additional weight per 10 mm stroke 525 oz Departmentation 10-32 UNF-2B Deformentials RoHS-compliant Waterial seals NBR TPE-U(PU)	Piston rod thread	10-32 UNF-2A
Mounting position optional  Piston-rod end Male thread  Pesign Piston rod  Position detection Via proximity switch  Parainats Piston rod at one end  Operating pressure 0.1 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)  Orrosion resistance class CRC 2 · Moderate corrosion stress  ABS (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 10,2 lbf  Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 13,6 lbf  Moving mass for 0 mm stroke 525 oz  Additional weight per 10 mm stroke 57,1 oz  Type of mounting With accessories  Pineumatic connection 10-32 UNF-2B  Mote on materials RoHS-compliant  Material cover Wrought aluminium alloy  Material seals NBR  TPE-U(PU)	Based on standard	ISO 6432
Piston-rod end Pesign Piston rod at one end  On MPa1 MPa I bar10 bar  Double-acting Departing 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  ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 4 °F176 °F Impact energy in end positions O,0516 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 S25 oz Additional weight per 10 mm stroke Five of mounting With accessories Preformantic connection VBRS-compliant Waterial seals NBR TPE-U(PU)	Cushioning	Elastic cushioning rings/plates at both ends
Piston Piston rod Position detection Via proximity switch Piston rod at one end Operating pressure Operating pressure Operating pressure Operating medium Operating and pilot medium Operating and pilot medium Operating stance class CRC Operating resistance class CRC Operating via pressure Operating and pilot medium Operating and pilot medium Operating stance class CRC Operating resistance class CRC Operating resistance class CRC Operating and pilot medium Operating operation operation possible (in which case lubricated operation will always be required) Operating operating operation operation operation will always be required) Operating operation operation operation operation operation operation operation operation operation will always be required Operating operation operation operation operation operation operation will always be required Operating operation operation operation operation operation operation will always be required Operating operation operation operation operation operation will always be required Operating operation operation operation operation operation operation will always be required Operating operation operation operation operation operation operation operation operation operation will always be required Operating operation oper	Mounting position	optional
Piston rod  Position detection  Via proximity switch  Piston rod at one end  Operating pressure  On 1 MPa1 MPa 1 bar10 bar  Mode of operation  Double-acting  Operating medium  Compressed air to ISO 8573-1:2010 [7:4:4]  Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  quency in end positions  Cheoretical force at 0.6 MPa (6 bar, 87 psi), return stroke  Cheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Voving mass for 0 mm stroke  Additional weight per 10 mm stroke  Sype of mounting  Preumatic connection  Note on materials  RoHS-compliant  Material seals  NBR TPE-U(PU)	Piston-rod end	Male thread
Piston rod at one end Operating pressure Operating pressure Operating medium Operating medium Operating and pilot medium Operating and pilot medium Operating operation possible (in which case lubricated operation will always be required) Operating operating operation possible (in which case lubricated operation will always be required) Operating Operating Operating operation operation operation operation operation will always be required Operating Operating Operating Operations Operating Operation will always be required Operating Operation operatio	Design	
Operating pressure  On the Ambient temperature  Independing force at 0.6 MPa (6 bar, 87 psi), return stroke  Cheoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass for 0 mm stroke  Additional weight per 10 mm stroke  Operating modium  On the on operating and pilot medium  Lubricated operation possible (in which case lubricated operation will always be required)  Lubricated operation possible (in which case lubricated operation will always be required)  2 - Moderate corrosion stress  VDMA24364-B1/B2-L  Ambient temperature  4 °F176 °F  Independent temperature  10,2 lbf  Independent of the operation possible (in which case lubricated operation will always be required)  10,2 lbf  Independent temperature  4 °F176 °F  Independent temperature  10,2 lbf  Independent of the operation possible (in which case lubricated operation will always be required)  Independent of the social possible (in which case lubricated operation will always be required)  Independent of Independent operation will always be required  Independent operation of Independent operation will always be required)  Independent operation operation will always be required)  Inde	Position detection	Via proximity switch
1 bar10 bar	Variants	Piston rod at one end
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  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -4 °F176 °F  mpact energy in end positions  Cheoretical 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  Frequentic connection  Note on materials  Note on materials  Material seals  NBR  TPE-U(PU)	Operating pressure	
Lubricated operation possible (in which case lubricated operation will always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -4 °F176 °F  Impact energy in end positions  Cheoretical 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  Poneumatic connection  10-32 UNF-2B  Note on materials  Material cover  Wought aluminium alloy  Material seals  NBR  TPE-U(PU)	Mode of operation	Double-acting Double-acting
always be required)  Corrosion resistance class CRC  2 - Moderate corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -4 °F176 °F  mpact 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  13,6 lbf  Moving mass for 0 mm stroke  525 oz  Additional weight per 10 mm stroke  Type of mounting  With accessories  Pneumatic connection  10-32 UNF-2B  Note on materials  Material cover  Wrought aluminium alloy  Waterial seals  NBR  TPE-U(PU)	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Ambient temperature -4 °F176 °F mpact energy in end positions O,0516 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 525 oz Additional weight per 10 mm stroke Toeu muniting With accessories Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Toeu mass for 0 mm stroke Toeu mass for 0 mm stroke Toeu muniting With accessories Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Toeu mass for 0 mm stroke Toeu muniting Toeu m	Note on operating and pilot medium	
Ambient temperature  -4 °F176 °F  mpact energy in end positions  0,0516 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  13,6 lbf  Moving mass for 0 mm stroke  525 oz  Additional weight per 10 mm stroke  Type of mounting  With accessories  Pneumatic connection  10-32 UNF-2B  Note on materials  Material cover  Wrought aluminium alloy  Material seals  NBR  TPE-U(PU)	Corrosion resistance class CRC	2 - Moderate corrosion stress
mpact energy in end positions  O,0516 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  13,6 lbf  Moving mass for 0 mm stroke  525 oz  Additional weight per 10 mm stroke  Type of mounting  With accessories  Pneumatic connection  10-32 UNF-2B  Note on materials  RoHS-compliant  Waterial cover  Waterial seals  NBR  TPE-U(PU)	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 Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke Theoretical force at 0.6 MPa (13,6 lbf) Th	Ambient temperature	-4 °F176 °F
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke  Moving mass for 0 mm stroke  525 oz  Additional weight per 10 mm stroke  Type of mounting  With accessories Pneumatic connection  10-32 UNF-2B  Note on materials  RoHS-compliant  Waterial cover  Wrought aluminium alloy  Material seals  NBR  TPE-U(PU)	Impact energy in end positions	0,0516 ft-lbf
Moving mass for 0 mm stroke 525 oz  Additional weight per 10 mm stroke 57,1 oz  Type of mounting With accessories Pneumatic connection 10-32 UNF-2B Note on materials RoHS-compliant Waterial cover Wrought aluminium alloy Material seals NBR TPE-U(PU)	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	10,2 lbf
Additional weight per 10 mm stroke 57,1 oz  Type of mounting With accessories  Pneumatic connection 10-32 UNF-2B  Note on materials RoHS-compliant  Material cover Wrought aluminium alloy  Material seals NBR  TPE-U(PU)	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	13,6 lbf
Type of mounting  With accessories  Pneumatic connection  10-32 UNF-2B  Note on materials  RoHS-compliant  Waterial cover  Wrought aluminium alloy  NBR  TPE-U(PU)	Moving mass for 0 mm stroke	525 oz
Preumatic connection 10-32 UNF-2B Note on materials RoHS-compliant Waterial cover Wrought aluminium alloy Material seals NBR TPE-U(PU)	Additional weight per 10 mm stroke	57,1 oz
Note on materials  RoHS-compliant  Material cover  Wrought aluminium alloy  Material seals  NBR  TPE-U(PU)	Type of mounting	With accessories
Material cover Wrought aluminium alloy  Material seals  NBR  TPE-U(PU)	Pneumatic connection	10-32 UNF-2B
Material seals  NBR  TPE-U(PU)	Note on materials	RoHS-compliant
TPE-U(PU)	Material cover	Wrought aluminium alloy
Material piston rod High-alloy stainless steel	Material seals	
	Material piston rod	High-alloy stainless steel

Feature	Value
Material cylinder barrel	High-alloy stainless steel