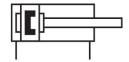
Short-stroke cylinder ADVC-20-10-I-P-A Part number: 188141







Data sheet

Piston diameter Cushioning Elastic cushioning rings/plates at both ends Mounting position Mode of operation Design Piston Piston rod Position detection Operating pressure 1 bar10 bar 14.5 psi145 psi 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 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 130 g Basic weight for 0 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke Additional weight per 10 mm stroke With accessories Either: Pneumatic connection M5 Note on materials ROHS-compliant	Feature	Value
Cushioning Elastic cushioning rings/plates at both ends Mounting position optional Mode of operation Double-acting Piston Piston Piston rod Position detection Via proximity switch Operating pressure 0.1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi 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 1-Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 2:0° C80°C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 49 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Additional connection M5 Note on materials RoHS-compliant	Stroke	10 mm
Mounting position optional Mode of operation Double-acting Piston Piston rod Position detection Via proximity switch Operating pressure O.1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi 1.0 bar 14.5 psi 1.0 bar 14	Piston diameter	20 mm
Double-acting Design Piston Piston rod Position detection Via proximity switch Operating pressure 0.1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi Operating medium Compression and pilot medium Lubricated operating operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass Moving mass per 10 mm stroke 23 g Additional moving mass per 10 mm stroke 190 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Additional weight per 10 mm stroke 105 g Additional weight per 10 mm stroke 105 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Cushioning	Elastic cushioning rings/plates at both ends
Piston Piston rod Position detection Via proximity switch Operating pressure O.1 MPa1 MPa 1 bar10 bar 14.5 psi145 psi 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 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Additional weight per 10 mm stroke 105 g Mith through-hole with accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Mounting position	optional
Piston rod Position detection Via proximity switch Operating pressure On MPa1 MPa	Mode of operation	Double-acting
Operating pressure Operating medium Operating medium Compressed air to ISO 8573-1:2010 [7:4:4] Note on operating and pilot medium Lubricated operating possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 30 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials	Design	
1 bar10 bar 14.5 psi145 psi 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 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass Moving mass for 0 mm stroke 23 g Moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Additional weight per 10 mm stroke 105 g Mith through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Position detection	Via proximity switch
Note on operating and pilot medium Lubricated operation possible (in which case lubricated operation will always be required) Corrosion resistance class CRC 1 - Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Operating pressure	1 bar10 bar
always be required) Corrosion resistance class CRC 1 · Low corrosion stress LABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
LABS (PWIS) conformity Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 7 ype of mounting With through-hole with accessories Either: Pneumatic connection M5 Note on materials Note on materials	Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Ambient temperature -20 °C80 °C Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke 141 N Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke 189 N Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Corrosion resistance class CRC	1 - Low corrosion stress
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 29 g Moving mass for 0 mm stroke Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke Moving mass 29 g Moving mass for 0 mm stroke 23 g Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Ambient temperature	-20 °C80 °C
Moving mass Moving mass for 0 mm stroke Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Theoretical force at 0.6 MPa (6 bar, 87 psi), return stroke	141 N
Moving mass for 0 mm stroke Additional moving mass per 10 mm stroke Froduct weight Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Theoretical force at 0.6 MPa (6 bar, 87 psi), advance stroke	189 N
Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Moving mass	29 g
Product weight 130 g Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Moving mass for 0 mm stroke	23 g
Basic weight for 0 mm stroke 105 g Additional weight per 10 mm stroke 30 g Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Additional moving mass per 10 mm stroke	6 g
Additional weight per 10 mm stroke Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Product weight	130 g
Type of mounting With through-hole With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Basic weight for 0 mm stroke	105 g
With accessories Either: Pneumatic connection M5 Note on materials RoHS-compliant	Additional weight per 10 mm stroke	30 g
Note on materials RoHS-compliant	Type of mounting	With accessories
· · · · · · · · · · · · · · · · · · ·	Pneumatic connection	M5
	Note on materials	RoHS-compliant
Material cover Wrought aluminium alloy Anodised	Material cover	Wrought aluminium alloy Anodised
Material seals TPE-U(PU)	Material seals	TPE-U(PU)

Feature	Value
	Wrought aluminium alloy Anodised
Material piston rod	High-alloy steel