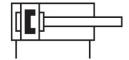
## Short-stroke cylinder ADVC-20-10-I-P-A Part number: 188141







## **Data sheet**

20 mm  Cushioning Elastic cushioning rings/pads at both ends Mounting position Any Mode of operation Double-acting Piston Piston rod Position sensing Operating pressure Operating medium Compressed air as per 150 8573-1:2010 [7:4:4] Operating medium Compressed air as per 150 8573-1:2010 [7:4:4] Operating on operating and pilot media Operation with oil lubrication possible (required for further use) Operating formation on operating and pilot media Operating view of mounting Operating formation on operating and pilot media Operation with oil lubrication possible (required for further use) Operating class (CRC) 1 - Low corrosion stress Operating force at 6 bar, retracting Operating force at 6 bar, retracting 141 N Operating mass at 0 mm stroke 123 g Operating medium Operating medium Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Operation with oil ubrication possible (required for further use) Op	Feature	Value
Elastic cushioning ings/pads at both ends Mounting position Any Mode of operation Double-acting Piston Piston Piston on Piston on Piston Piston on	Stroke	10 mm
Mounting position Mode of operation Double-acting Piston Piston Piston Piston Position sensing Por proximity sensor Operating pressure On MPa1 MPa 1 bar10 bar 14.5 psi Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operating resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Winbient temperature 20 °C80 °C Heoretical force at 6 bar, retracting 141 N Moving mass Moving mass at 0 mm stroke 23 g Moving mass at 0 mm stroke 46 g Product weight 130 g Masic weight with 0 mm stroke 105 g Moditional weight per 10 mm stroke 106 g Moditional weight per 10 mm stroke 107 g Moditional weight per 10 mm stroke 108 g Moditional weight per 10 mm stroke 109 g Moditional weight per 10 mm stroke 100 g Moditional weight per 10 mm stroke 100 g Moditional weight per 10 mm stroke 100 g Moditional weight per 10 mm stroke 1	Piston diameter	20 mm
Double-acting Structural design Piston rod Position sensing Poperating pressure Departing pressure Departing medium possible (required for further use) Departing medium Departing medium Departing medium Departing possible (required for further use) Departing medium Departing possible (required for further use) Departing medium Departing medium Departing medium Departing medium Departing medium Depar	Cushioning	Elastic cushioning rings/pads at both ends
Piston Piston rod Position sensing Position sensition on operating and pilot media Position resistance class (CRC) Position	Mounting position	Any
Piston rod Position sensing For proximity sensor On IMPa1 MPa 1 bar10 bar 1 4.5 psi145 psi Operating medium Compressed air as per ISO 8573-1:2010 [7:4:4] Operating medium Operating and pilot media Operation with oil lubrication possible (required for further use) Operation resistance class (CRC) 1 - Low corrosion stress ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Cheoretical force at 6 bar, retracting 141 N Cheoretical force at 6 bar, advancing 189 N Oving mass Volving mass at 0 mm stroke 23 g Woving mass at 0 mm stroke 6 g Product weight 130 g Sasic weight with 0 mm stroke 105 g Midditional weight per 10 mm stroke 30 g Vipe of mounting With through-hole With accessories Optionally: Optional materials Over material Wrought aluminum alloy Anodized	Mode of operation	Double-acting
Operating pressure  O.1 MPa1 MPa 1 bar10 bar 1 4.5 psi145 psi  Operating medium  Compressed air as per ISO 8573-1:2010 [7:4:4]  Operation with oil lubrication possible (required for further use)  Corrosion resistance class (CRC)  1 - Low corrosion stress  ABS (PWIS) conformity  VDMA24364-B1/B2-L  Ambient temperature  -20 °C80 °C  Theoretical force at 6 bar, retracting  141 N  Theoretical force at 6 bar, advancing  Moving mass  29 g  Moving mass at 0 mm stroke  23 g  Additional moving mass per 10 mm stroke  Forduct weight  130 g  Basic weight with 0 mm stroke  105 g  Additional weight per 10 mm stroke  With through-hole With accessories Optionally:  Preumatic connection  M5  RoHS-compliant  Wrought aluminum alloy Anodized	Structural design	
1 bar10 bar 14.5 psi145 psi  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) 1 - Low corrosion stress  ABS (PWIS) conformity VDMA24364-B1/B2-L Ambient temperature 20 °C80 °C  Theoretical force at 6 bar, retracting 141 N  Theoretical force at 6 bar, advancing Moving mass 29 g  Moving mass 40 g  Additional moving mass per 10 mm stroke 50 g  Product weight 130 g  Basic weight with 0 mm stroke 105 g  Additional weight per 10 mm stroke 105 g  Moditional	Position sensing	For proximity sensor
Information on operating and pilot media Operation with oil lubrication possible (required for further use) Corrosion resistance class (CRC) 1 - Low corrosion stress  VDMA24364-B1/B2-L Ambient temperature -20 °C80 °C Theoretical force at 6 bar, retracting 141 N Theoretical force at 6 bar, advancing Moving mass 29 g Moving mass at 0 mm stroke Additional moving mass per 10 mm stroke 6 g Product weight 130 g Basic weight with 0 mm stroke 105 g Additional weight per 10 mm stroke 105 g Moving mounting With through-hole With accessories Optionally: Option materials  RoHS-compliant  Wrought aluminum alloy Anodized	Operating pressure	1 bar10 bar
Torrosion resistance class (CRC)  1 - Low corrosion stress  VDMA24364-B1/B2-L  Ambient temperature  -20 °C80 °C  Theoretical force at 6 bar, retracting  141 N  Theoretical force at 6 bar, advancing  Moving mass  29 g  Moving mass at 0 mm stroke  23 g  Additional moving mass per 10 mm stroke  Product weight  Basic weight with 0 mm stroke  105 g  Additional weight per 10 mm stroke  With through-hole With accessories Optionally:  Preumatic connection  M5  Note on materials  Tover material  Wrought aluminum alloy Anodized	Operating medium	Compressed air as per ISO 8573-1:2010 [7:4:4]
ABS (PWIS) conformity  Ambient temperature  -20 °C80 °C  Theoretical force at 6 bar, retracting  141 N  Theoretical force at 6 bar, advancing  Moving mass  29 g  Moving mass at 0 mm stroke  23 g  Additional moving mass per 10 mm stroke  6 g  Product weight  130 g  Basic weight with 0 mm stroke  105 g  Additional weight per 10 mm stroke  30 g  Type of mounting  With through-hole With accessories Optionally:  Pneumatic connection  M5  Note on materials  RoHS-compliant  Wrought aluminum alloy Anodized	Information on operating and pilot media	Operation with oil lubrication possible (required for further use)
Ambient temperature  -20 °C80 °C Theoretical force at 6 bar, retracting  141 N Theoretical force at 6 bar, advancing  Moving mass  29 g Moving mass at 0 mm stroke  23 g Additional moving mass per 10 mm stroke  6 g Product weight  130 g Basic weight with 0 mm stroke  105 g Additional weight per 10 mm stroke  30 g Type of mounting  With through-hole With accessories Optionally: Pneumatic connection  M5 Note on materials  ROHS-compliant  Wrought aluminum alloy Anodized	Corrosion resistance class (CRC)	1 - Low corrosion stress
Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Theoretical force at 6 bar, retracting Theoretical force at 6 bar, retracting Theoretical force at 6 bar, advancing Theoretical force at 6 bar, a	LABS (PWIS) conformity	VDMA24364-B1/B2-L
Theoretical force at 6 bar, advancing  Moving mass  29 g  Moving mass at 0 mm stroke  23 g  Additional moving mass per 10 mm stroke  6 g  Product weight  130 g  Additional weight per 10 mm stroke  105 g  Additional weight per 10 mm stroke  With through-hole With accessories Optionally:  Pneumatic connection  M5  Note on materials  RoHS-compliant  Wrought aluminum alloy Anodized	Ambient temperature	-20 °C80 °C
Moving mass 29 g  Moving mass at 0 mm stroke 23 g  Additional moving mass per 10 mm stroke 6 g  Product weight 130 g  Basic weight with 0 mm stroke 105 g  Additional weight per 10 mm stroke 30 g  Type of mounting With through-hole With accessories Optionally:  Preumatic connection M5  Note on materials RoHS-compliant  Cover material Wrought aluminum alloy Anodized	Theoretical force at 6 bar, retracting	141 N
Moving mass at 0 mm stroke  23 g  Additional moving mass per 10 mm stroke  6 g  Product weight  130 g  Basic weight with 0 mm stroke  105 g  Additional weight per 10 mm stroke  30 g  Type of mounting  With through-hole With accessories Optionally:  Pneumatic connection  M5  RoHS-compliant  Lover material  Wrought aluminum alloy Anodized	Theoretical force at 6 bar, advancing	189 N
Additional moving mass per 10 mm stroke  Froduct weight  Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  Type of mounting  With through-hole With accessories Optionally:  Pneumatic connection  M5  RoHS-compliant  Wrought aluminum alloy Anodized	Moving mass	29 g
Product weight 130 g  Basic weight with 0 mm stroke 105 g  Additional weight per 10 mm stroke 30 g  Type of mounting With through-hole With accessories Optionally:  Preumatic connection M5  Note on materials RoHS-compliant  Cover material Wrought aluminum alloy Anodized	Moving mass at 0 mm stroke	23 g
Basic weight with 0 mm stroke  Additional weight per 10 mm stroke  Type of mounting  With through-hole With accessories Optionally:  Preumatic connection  M5  Note on materials  RoHS-compliant  Wrought aluminum alloy Anodized	Additional moving mass per 10 mm stroke	6 g
Additional weight per 10 mm stroke  30 g  With through-hole With accessories Optionally:  Pneumatic connection  M5  RoHS-compliant  Cover material  Wrought aluminum alloy Anodized	Product weight	130 g
With through-hole With accessories Optionally:  Pneumatic connection M5  Note on materials RoHS-compliant Wrought aluminum alloy Anodized	Basic weight with 0 mm stroke	105 g
With accessories Optionally: Pneumatic connection M5 Note on materials RoHS-compliant Cover material Wrought aluminum alloy Anodized	Additional weight per 10 mm stroke	30 g
Note on materials  RoHS-compliant  Wrought aluminum alloy Anodized	Type of mounting	With accessories
Cover material Wrought aluminum alloy Anodized	Pneumatic connection	M5
Anodized	Note on materials	RoHS-compliant
Seals material TPE-U(PU)	Cover material	
	Seals material	TPE-U(PU)

Feature	Value
	Wrought aluminum alloy Anodized
Piston rod material	High-alloy steel