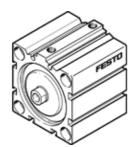
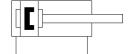
## short-stroke cylinder ADVC-80-20-I-P-A Part number: 188310 Product to be discontinued

For proximity sensing, piston-rod end with female thread. Type to be discontinued. Available until 2026. See Support Portal for

alternative products.





**FESTO** 

## **Data sheet**

Feature	Value
Stroke	20 mm
Piston diameter	80 mm
Based on the standard	ISO 6431
	Hole pattern
	VDMA 24562
Cushioning	P: Flexible cushioning rings/plates at both ends
Assembly position	Any
Mode of operation	double-acting
Design structure	Piston
	Piston rod
Position detection	For proximity sensor
Operating pressure MPa	0.1 1 MPa
Operating pressure	1 10 bar
	14.5 145 psi
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further
	operation)
Corrosion resistance classification CRC	1 - Low corrosion stress
PWIS conformity	VDMA24364-B1/B2-L
Ambient temperature	-20 80 °C
Theoretical force at 0.6 MPa (6 bar, 87 psi), retracting	2,827 N
Theoretical force at 0.6 MPa (6 bar, 87 psi), advance	3,016 N
Moving mass	301 g
Moving mass with 0 mm stroke	265 g
Additional mass factor per 10 mm of stroke	24 g
Product weight	1,288 g
Basic weight for 0 mm stroke	1,119 g
Additional weight per 10 mm stroke	114 g
Mounting type	with through hole
	with accessories
	Optional
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Material cover	Wrought Aluminium alloy
	Anodised
Material seals	TPE-U(PU)
Material housing	Wrought Aluminium alloy
	Anodised
Material piston rod	High alloy steel