



# Mini cylinder, Series MNI

0822334458

AVENTICS  
Series  
MNI Mini  
cylinders  
(ISO 6432)

2024-04-11

Max. working pressure	10 bar
Cushioning length	17.5 mm
Cushioning energy	2.3 J
Weight	0.525 kg
Weight 0 mm stroke	0.265 kg
Weight +10 mm stroke	0.013 kg
Stroke max.	1300 mm
Medium	Compressed air
Min. medium temperature	-10 °C
Max. medium temperature	120 °C
Max. particle size	50 µm
Min. oil content of compressed air	0 mg/m <sup>3</sup>
Max. oil content of compressed air	5 mg/m <sup>3</sup>
Clamping piece for magnetic field sensor necessary	Clamping piece for magnetic field sensor necessary

## Material

Piston rod	Stainless Steel
Piston material	Brass Aluminum
Scraper material	Fluorocaoutchouc
Seal material	Fluorocaoutchouc
Material, front cover	Aluminum
Cylinder tube	Stainless Steel
End cover	Aluminum
Nut for cylinder mounting	Steel, chrome-plated
Nut for piston rod	Steel, chrome-plated
Part No.	0822334458

## Technical information

The pressure dew point must be at least 15 °C less than ambient and medium temperature and may not exceed 3 °C.

The oil content of compressed air must remain constant during the life cycle.

Use only the approved oils from AVENTICS. Further information can be found in the “Technical information” document (available in <https://www.emerson.com/en-us/support>).

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## Dimensions



S = stroke

Piston Ø	AM-2	BE	BF	CD H9	E	EE t = depth of thread	EW d13	KK	KV
16	16	M16x1,5	16	6	19	M5 t=5	12	M6	22
20	20	M22x1,5	18	8	28	G1/8 t=8	16	M8	30
25	22	M22x1,5	21	8	28	G1/8 t=8	16	M10x1,25	30

Piston Ø	KW	KX	KY	L min	MM f8	M1/M2	MR	PB ±1	VA
16	6	10	3.2	8	6	4.8	16	47	17
20	7	13	4	12	8	7	18	51	19
25	7	17	6	12	10	7	19	55	21

Piston Ø	WF ±1,4	XC ±1	ZN ± 1,4	SW 1	SW 2
16	22	82	95.5	19	5
20	24	95	109.5	28	6
25	28	104	119.5	28	8

## Cushioning diagram



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## Overview drawing



NOTE: This overview drawing is only for orientation to indicate where the various accessory parts can be fastened to the cylinder. The illustration has been simplified for this purpose. It is thus not possible to derive the dimensions from this overview.