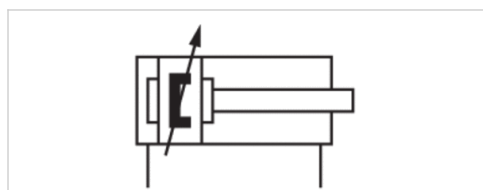


Mini cylinder, Series MNI

- ISO 6432
- Ø 0.63-0.984 inch
- Ports M5 G 1/8
- double-acting
- with magnetic piston
- Cushioning pneumatically adjustable
- Polymer bearing bushing in rear eye
- Piston rod External thread



Standards	ISO 6432
Compressed air connection	Internal thread
Working pressure min./max.	15 ... 145 psi
Ambient temperature min./max.	-13 ... 176 °F
Medium temperature min./max.	-13 ... 176 °F
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	91.35 psi
Weight	See table below

Technical data

Piston Ø Piston rod thread Ports Cylinder outer thread	0.63 inch M6 M5 M16x1,5	0.787 inch M8 G 1/8 M22x1,5	0.984 inch M10x1,25 G 1/8 M22x1,5
Stroke 0.394	5226720100	5226744100	5226734100
0.59	5226720150	5226744150	5226734150
0.787	-	5226744200	5226734200
0.984	5226720250	5226744250	5226734250
1.18	5226720300	5226744300	5226734300
1.57	5226720400	5226744400	5226734400
1.97	5226720500	5226744500	5226734500
2.36	5226720600	5226744600	5226734600
2.95	5226720750	5226744750	5226734750
3.15	5226720800	5226744800	5226734800
3.94	5226721000	5226745000	5226735000
4.92	5226721250	5226745250	5226735250
5.91	5226721500	5226745500	5226735500
6.3	5226721600	5226745600	5226735600

Piston Ø Piston rod thread Ports Cylinder outer thread	0.63 inch M6 M5 M16x1,5	0.787 inch M8 G 1/8 M22x1,5	0.984 inch M10x1,25 G 1/8 M22x1,5
7.87	5226722000	5226746000	5226736000
9.84	-	5226746500	5226736500
11.81	-	5226747000	5226737000
12.6	-	-	5226737200
13.78	-	-	5226737500

Technical data

Piston Ø	0.63 inch	0.787 inch	0.984 inch
Retracting piston force	24.5 lbf	37.32 lbf	58.45 lbf
Extracting piston force	28.55 lbf	44.51 lbf	69.46 lbf
Cushioning length	0.354 inch	0.512 inch	0.689 inch
Cushioning energy	0.442 in.lbs	1.11 in.lbs	1.7 in.lbs
Weight 0 mm stroke	0.22 lbs	0.353 lbs	0.584 lbs
Weight +10 mm stroke	0.012 lbs	0.02 lbs	0.029 lbs
Stroke max.	31.49 inch	43.3 inch	51.18 inch

Technical information

The pressure dew point must be at least 27 °F under ambient and medium temperature and may not exceed 5.4 °F .

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 the MediaCentre).

Clamping piece for magnetic field sensor necessary

ATEX-certified cylinders can be generated in the Internet configurator.

ATEX ID: II 2G c IIB T4

II 2D c IP65 T125°C X

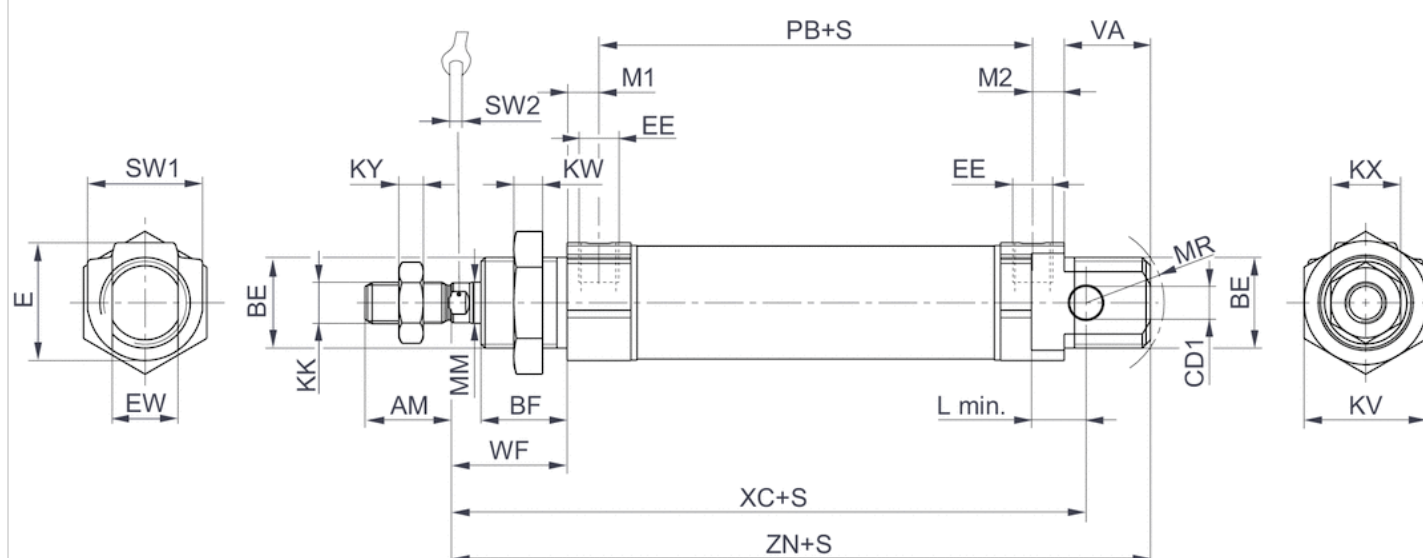
The operating temperature range for ATEX-certified cylinders is -20°C ... 60°C.

Technical information

Material	
Cylinder tube	Stainless steel
Piston rod	Stainless steel
Piston	Brass, Aluminum
Front cover	Aluminum, anodized
End cover	Aluminum, anodized
Seal	Acrylonitrile butadiene rubber Polyurethane
Nut for cylinder mounting	Steel, galvanized
Nut for piston rod	Steel, galvanized
Scraper	Polyurethane

Dimensions

Dimensions



S = stroke

Dimensions

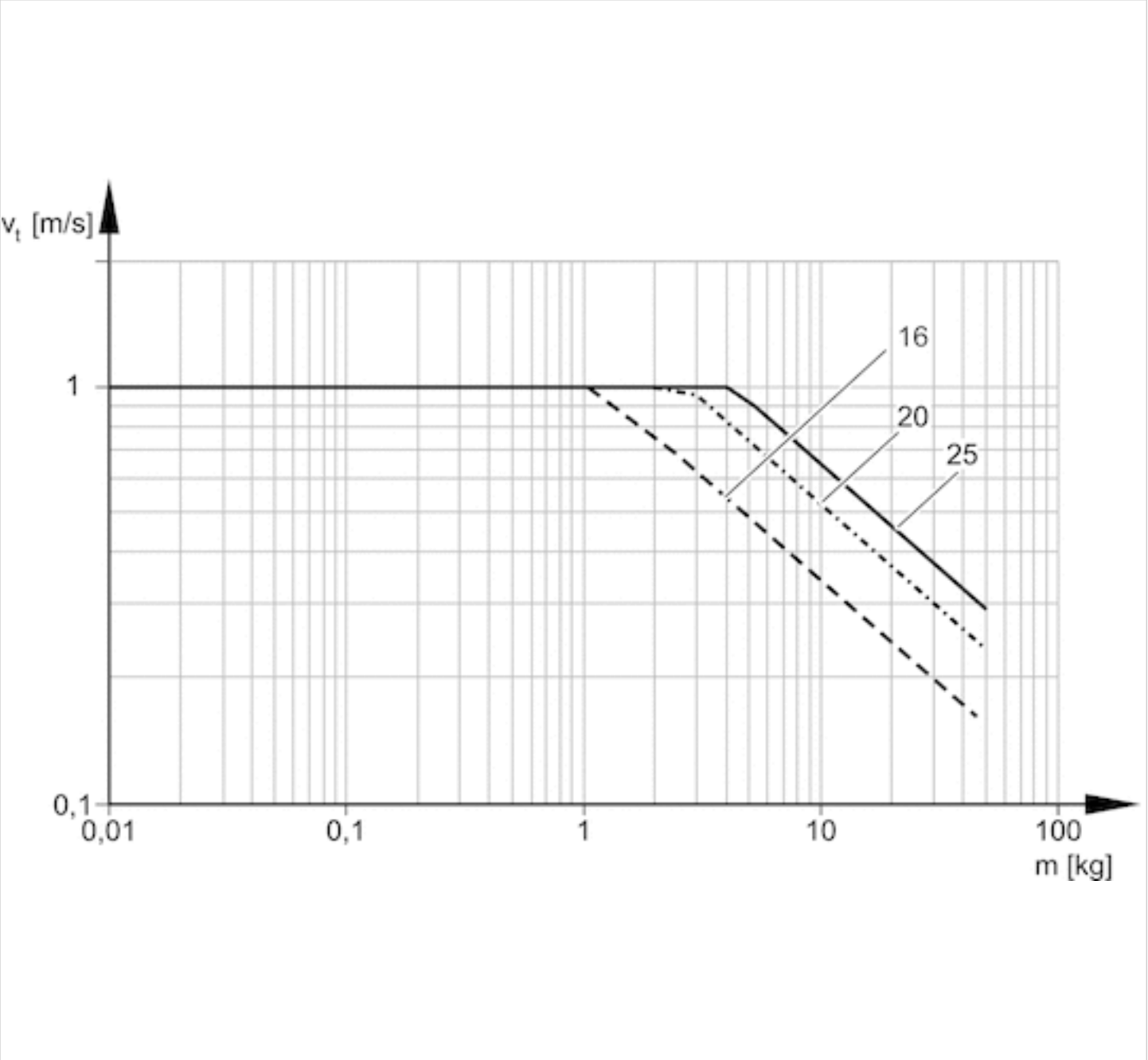
Piston Ø	AM-2	BE	BF	CD1 H10	E	EE t = depth of thread	EW d13	KK	KV	KW
0.63 inch	16	M16x1,5	16	6	19	M5 t=5	12	M6	22	6
0.787 inch	20	M22x1,5	18	8	28.6	G 1/8 t=8	16	M8	30	7
0.984 inch	22	M22x1,5	21	8	28.6	G 1/8 t=8	16	M10x1,25	30	7

Piston Ø	KX	KY	L min	MM f8	M1/M2	MR	PB ±1	VA	WF ±1,4	XC ±1	ZN ± 1,4	SW 1	SW 2
0.63 inch	10	3.2	8	6	4.8	16	47	17	22	82	95.5	19	5

Piston Ø	KX	KY	L min	MM f8	M1/M2	MR	PB ±1	VA	WF ±1,4	XC ±1	ZN ± 1,4	SW 1	SW 2
0.787 inch	13	4	12	8	7.7	18	51	19	24	95	109.5	28	6
0.984 inch	17	6	12	10	7.7	19	55	21	28	104	119.5	28	8

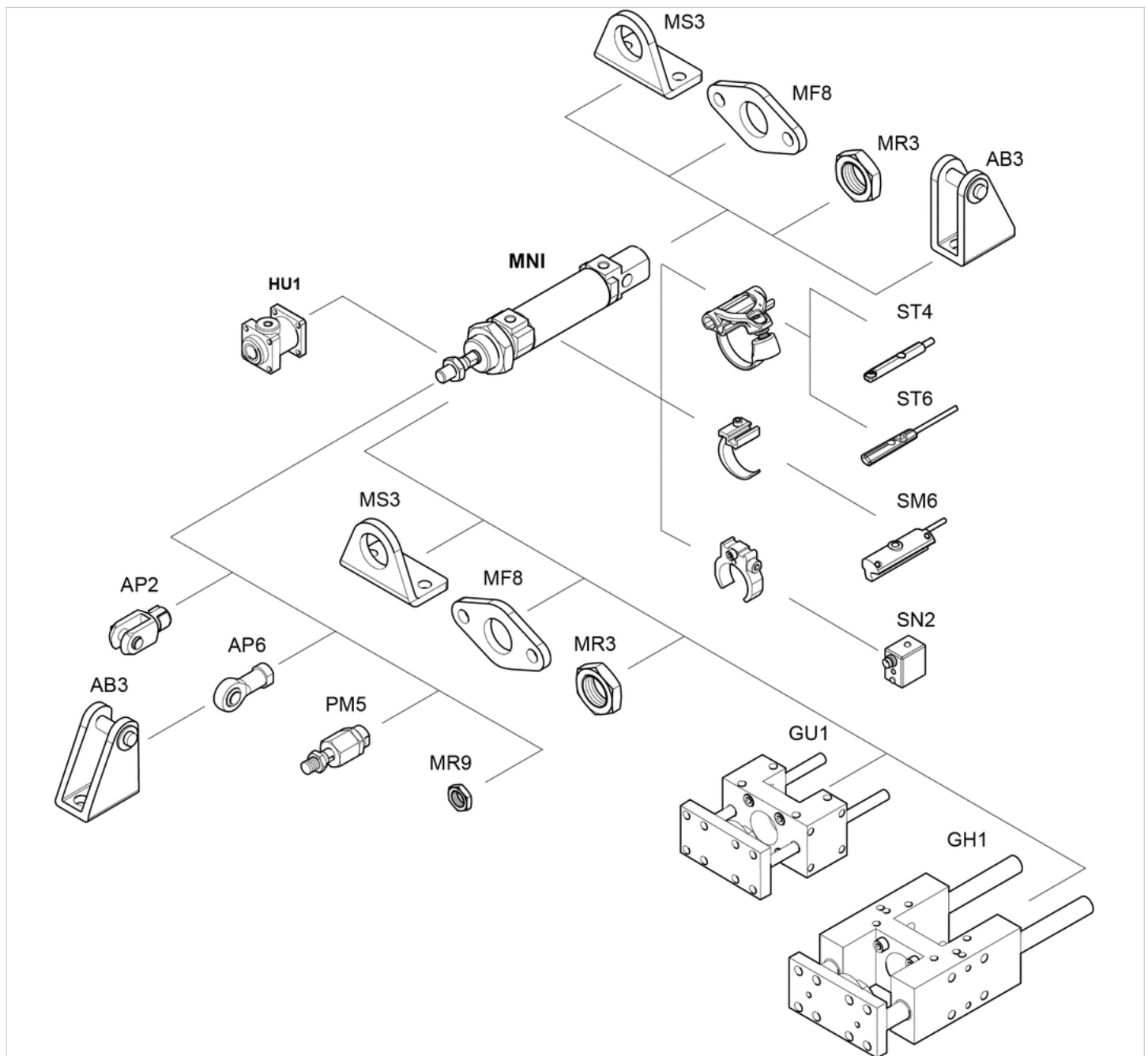
Diagrams

Cushioning diagram



Accessories overview

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.