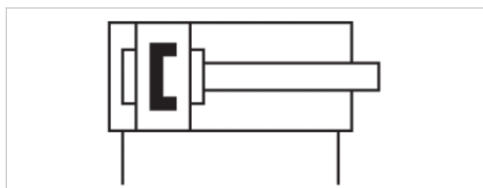


Mini cylinder, Series CSL-RD

- Version: Heat-resistant
- Ø 16-25 mm
- Ports M5 G 1/8
- double-acting
- with magnetic piston
- Cushioning elastic non-adjustable
- with integrated rear eye
- Piston rod External thread
- suitable for use in food processing



Standards	ISO 6432
Compressed air connection	Internal thread
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	-20 ... 150 °C
Medium temperature min./max.	-20 ... 150 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 ... 5 mg/m³
Pressure for determining piston forces	6.3 bar

Technical data

Piston Ø Piston rod thread Ports Piston rod Ø	16 mm M6 M5 6 mm	20 mm M8 G 1/8 8 mm	25 mm M10x1,25 G 1/8 10 mm
Stroke 25	R480646359	R480646370	R480646381
50	R480646360	R480646371	R480646382
80	R480646361	R480646372	R480646383
100	R480646362	R480646373	R480646384
125	R480646363	R480646374	R480646385
160	R480646364	R480646375	R480646386
200	R480646365	R480646376	R480646387
250	R480646366	R480646377	R480646388
320	R480646367	R480646378	R480646389
400	R480646368	R480646379	R480646390
500	R480646369	R480646380	R480646391

Technical data

Piston Ø	16 mm	20 mm	25 mm
Retracting piston force	109 N	166 N	260 N
Extracting piston force	127 N	198 N	309 N
Impact energy	0,14 J	0,23 J	0,35 J
Weight 0 mm stroke	0,034 kg	0,063 kg	0,082 kg
Weight +10 mm stroke	0,002 kg	0,005 kg	0,006 kg
Stroke max.	800 mm	1100 mm	1200 mm

Technical information

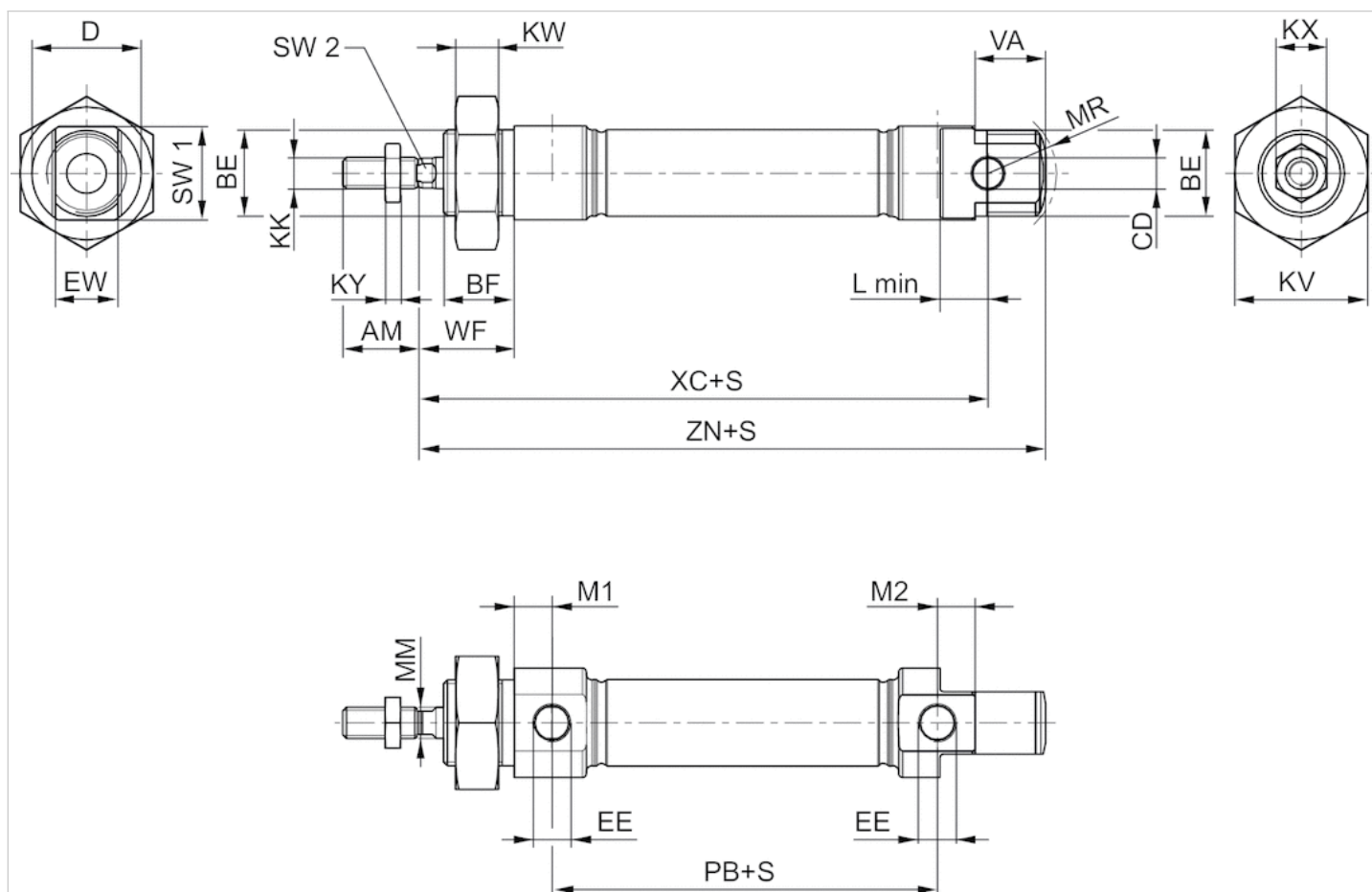
The pressure dew point must be at least 15 °C under ambient and medium temperature and may not exceed 3 °C .
The oil content of compressed air must remain constant during the life cycle.
Use only the approved oils from AVENTICS. Further information can be found in the "Technical information" document (available in the MediaCentre).
Clamping piece for magnetic field sensor necessary
Ambient temperature with contact query max. 120 °C

Technical information

Material	
Cylinder tube	Stainless steel
Piston rod	Stainless steel
Piston	Aluminum
Front cover	Stainless steel, Electropolished
End cover	Stainless steel, Electropolished
Seal	Fluorocautchouc
Nut for cylinder mounting	Stainless steel
Nut for piston rod	Stainless steel
Scraper	Fluorocautchouc
Guide bushing	Plastic

Dimensions

Dimensions



S = stroke

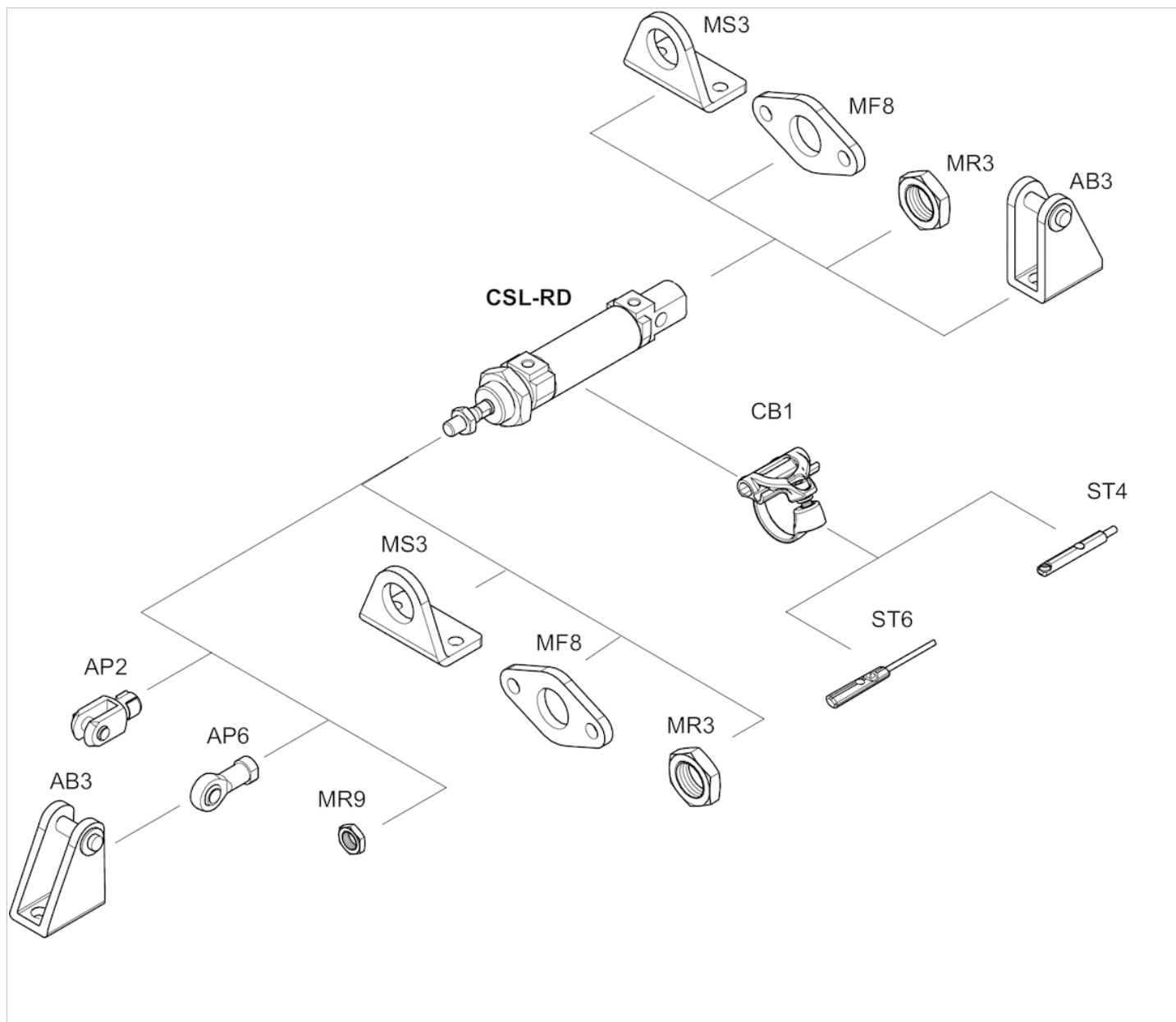
Dimensions

Piston Ø	AM-2	BE	BF	CD H9	D	EE	EW d13	KK	KV	KW	KX	KY	L min
16 mm	16	M16x1,5	16	6	22	M5 t=5	12	M6	24	8	10	3.2	9
20 mm	20	M22x1,5	18	8	28	G 1/8 t=8	16	M8	32	11	13	4	12
25 mm	22	M22x1,5	20	8	33	G 1/8 t=8	16	M10x1,25	32	11	17	5	12

Piston Ø	M1/M2	MM f8	MR	PB ±1	VA	WF ±1,4	XC ±1	ZN ± 1	SW 1	SW 2
16 mm	6.7	6	16	43.6	16	22	82	94.7	20	5
20 mm	9.7	8	18	48.6	18	24	95	109.7	24	6
25 mm	9.7	10	19	52.6	20	28	104	119.7	28	8

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.