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Mini cylinder, Series CSL-RD

- Version: ISO model
- Ø 16 mm
- Ports M5
- double-acting
- with magnetic piston
- Cushioning elastic non-adjustable
- with integrated rear eye
- Piston rod External thread
- ATEX optional
- suitable for use in food processing

Standards	ISO 6432
Certificates	ATEX optional
Compressed air connection	Internal thread
Working pressure min./max.	1 ... 10 bar
Ambient temperature min./max.	-20 ... 80 °C
Medium temperature min./max.	-20 ... 80 °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	R412020398	R412020442	R412020486
50	R412020399	R412020443	R412020487
80	R412020400	R412020444	R412020488
100	R412020401	R412020445	R412020489
125	R412020402	R412020446	R412020490
160	R412020403	R412020447	R412020491
200	R412020404	R412020448	R412020492
250	R412020405	R412020449	R412020493
320	R412020406	R412020450	R412020494
400	R412020407	R412020451	R412020495
500	R412020408	R412020452	R412020496

Technical information

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

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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

ATEX-certified cylinders with identification II 2G c IIB T4 / II 2D c IP65 T135°C X can be generated in the Internet configurator.

Technical information

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

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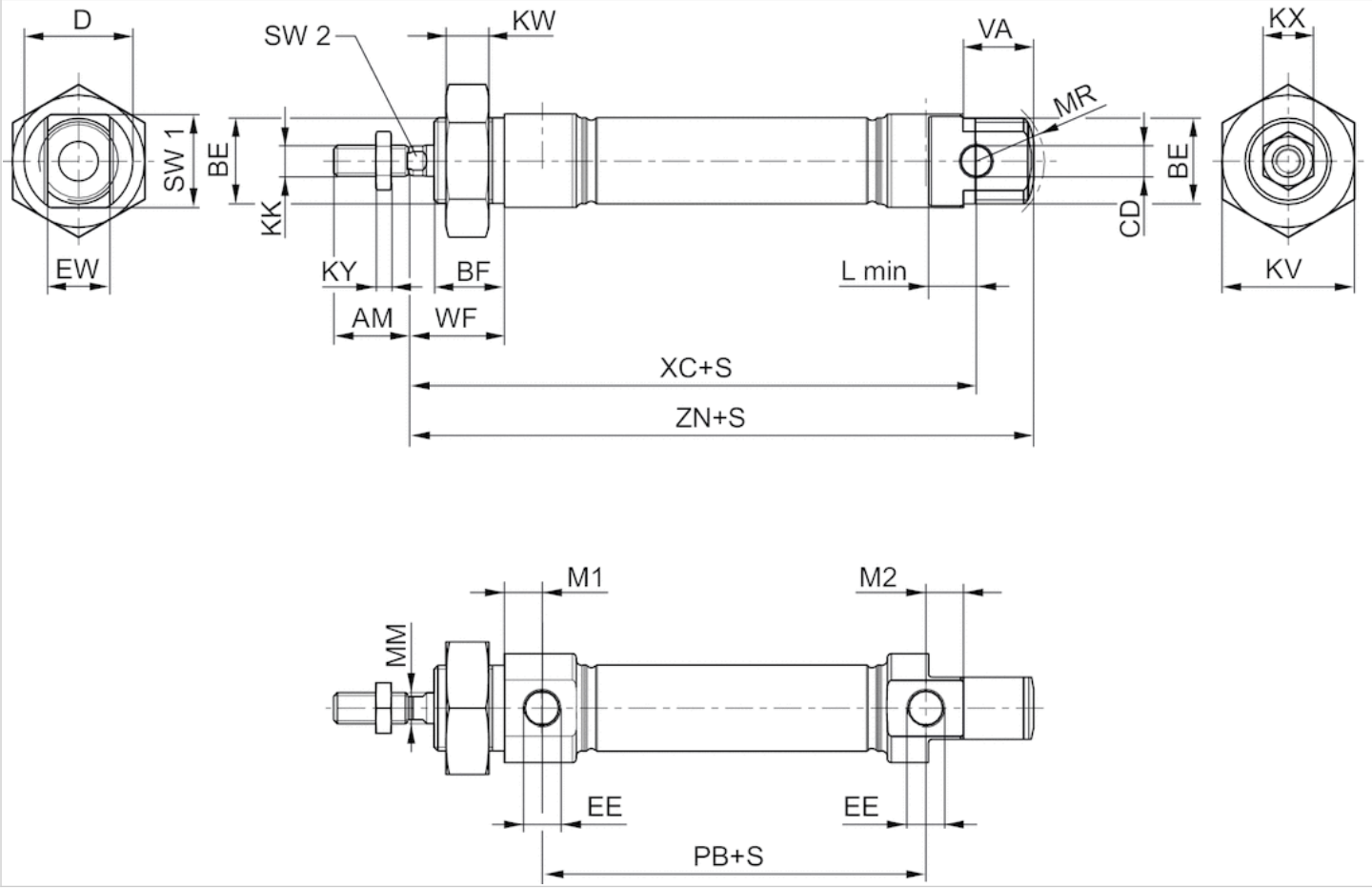
Dimensions

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
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
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