

# Mini cylinder, Series CSL-RD

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



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/m <sup>3</sup>
Pressure for determining piston forces	6.3 bar

## Technical data

	16 mm	20 mm	25 mm
Piston Ø	16 mm	20 mm	25 mm
Piston rod thread	M6	M8	M10x1,25
Ports	M5	G 1/8	G 1/8
Piston rod Ø	6 mm	8 mm	10 mm
Stroke 25	R412021846	R412021857	R412021868
50	R412021847	R412021858	R412021869
80	R412021848	R412021859	R412021870
100	R412021849	R412021860	R412021871
125	R412021850	R412021861	R412021872
160	R412021851	R412021862	R412021873
200	R412021852	R412021863	R412021874
250	R412021853	R412021864	R412021875
320	R412021854	R412021865	R412021876
400	R412021855	R412021866	R412021877
500	R412021856	R412021867	R412021878

## 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).

Impact energy

0,14 J

0,23 J

0,35 J

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.

The operating temperature range for ATEX-certified cylinders is - 20 °C ... 50 °C .

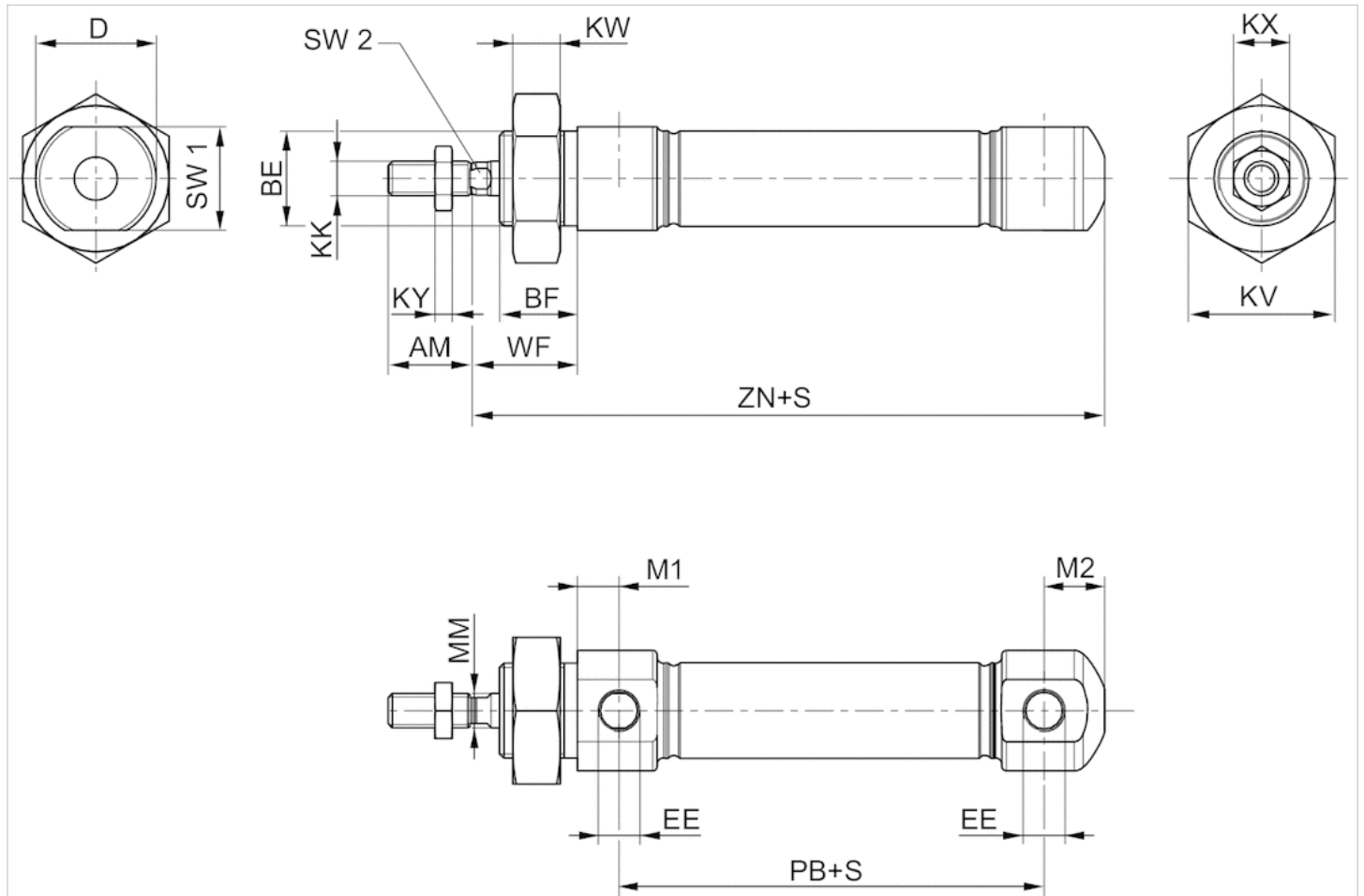
Based on ISO 6432

## 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

## Dimensions

### Dimensions



S = stroke

## Dimensions

Piston Ø	AM-2	BE	BF	D	EE	KK	KV	KW	KX	KY	M1	M2	MM f8	PB ±1
16 mm	16	M16x1,5	16	22	M5 t=5	M6	24	8	10	3.2	6.7	10	6	43.6
16 mm	16	M16x1,5	16	22	M5 t=5	M6	24	8	10	3.2	6.7	10	6	43.6
20 mm	20	M22x1,5	18	28	G 1/8 t=8	M8	32	11	13	4	9.7	14	8	48.6
25 mm	22	M22x1,5	20	33	G 1/8 t=8	M10x1,25	32	11	17	5	9.7	14	10	52.6

Piston Ø	WF ±1,4	ZN ± 1	SW 1	SW 2
16 mm	22	82	20	5
16 mm	22	82	20	5
20 mm	24	96	24	6
25 mm	28	104	28	8