

Series SWN



AVENTICS™ Series SWN

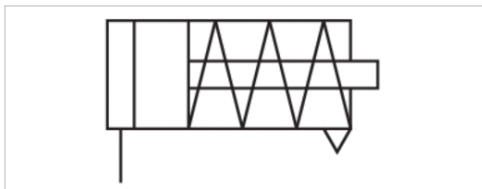


Screw-in cylinder, Series SWN

- Spring force [N] 2,1 ... 17,5
- Ø 6-16 mm
- Single-acting, retracted without pressure



Working pressure min./max.	2 ... 8 bar
Ambient temperature min./max.	-20 ... 80 °C
Medium temperature min./max.	-20 ... 80 °C
Medium	Compressed air
Max. particle size	5 µm
Oil content of compressed air	0 ... 1 mg/m ³
Pressure for determining piston forces	6 bar
Spring force min. - max.	For the min.-max. spring force [N] in relation to piston diameter and stroke S, please refer to the table of dimensions.
Weight	See table below



Technical data

Piston Ø	6 mm	10 mm	16 mm
Stroke 5	0822406900	0822406910	0822406920
10	0822406901	0822406911	0822406921
15	0822406902	0822406912	0822406922

Technical data

Piston Ø	6 mm	10 mm	16 mm
Extracting piston force	15 N	38 N	100 N

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).

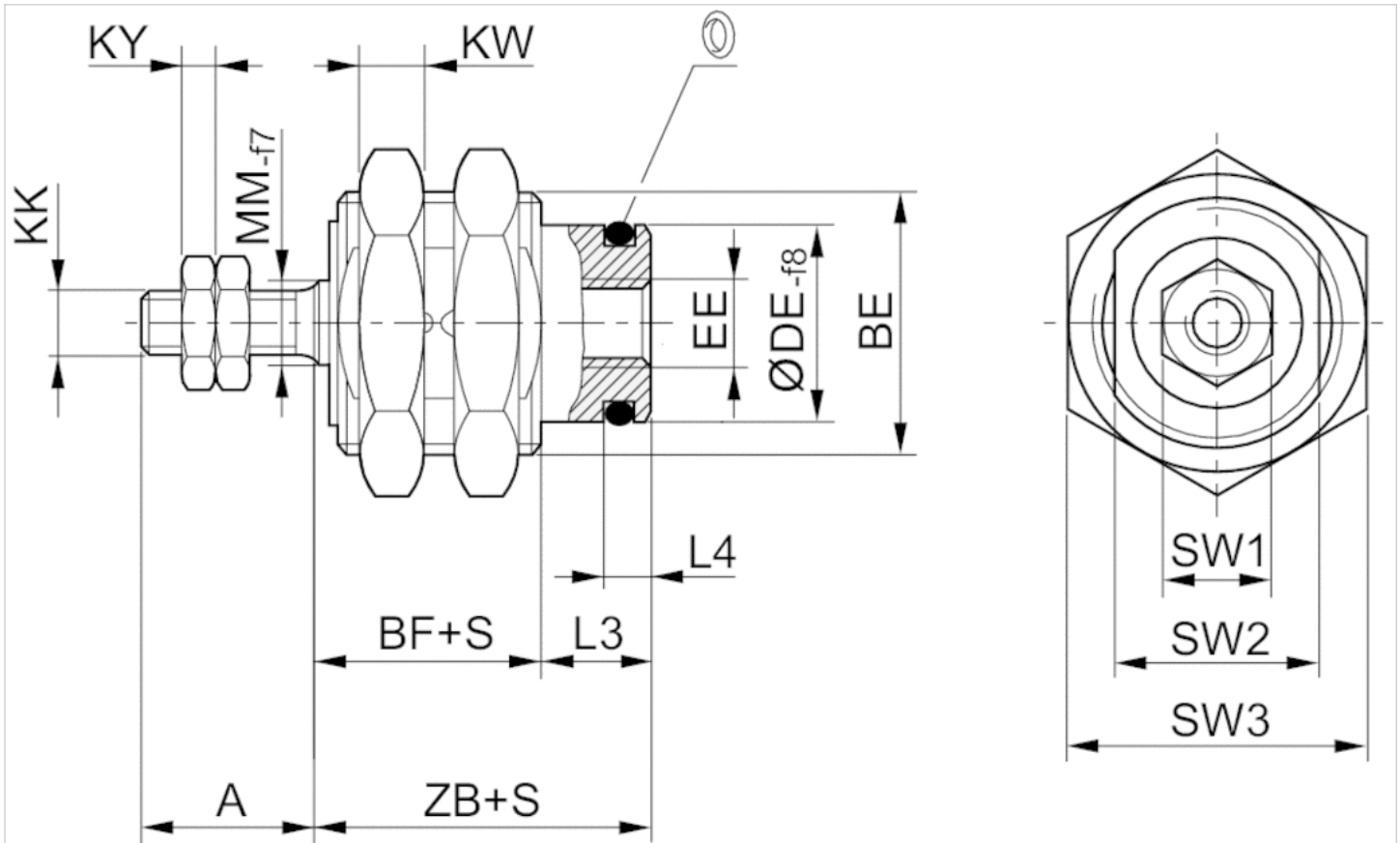
Technical information

Material	
Cylinder tube	Brass, nickel-plated
Piston rod	Stainless steel

Material	
Front cover	Brass
Nut for piston rod	Steel, galvanized

Dimensions

Dimensions



S = stroke

Dimensions

Piston Ø	S	A	BE	BF	DE 1)	Spring force [N] min.	Spring force [N] max.	EE	KK	KW
6 mm	5	7	M10x1	8.5	7.6	2.4	4.4	M5	M3	3
6 mm	10	7	M10x1	10.5	7.6	2.1	5.8	M5	M3	3
6 mm	15	7	M10x1	12.5	7.6	2.3	5	M5	M3	3
10 mm	5	10	M16x1,5	9.5	12	5.8	9.2	M5	M4	6
10 mm	10	10	M16x1,5	11	12	4.1	7.7	M5	M4	6
10 mm	15	10	M16x1,5	13	12	3.9	8.3	M5	M4	6
16 mm	5	12	M22x1,5	12.8	18.5	14	17	M5	M5	5
16 mm	10	12	M22x1,5	13.8	18.5	11.5	16.5	M5	M5	5
16 mm	15	12	M22x1,5	15.3	18.5	8.5	17.5	M5	M5	5

Piston Ø	KY	L3	L4	MM	SW1	SW2	SW3	ZB
6 mm	2.3	6	2.5	3	5.5	9	14	14.5
6 mm	2.3	6	2.5	3	5.5	9	14	16.5

Piston Ø	KY	L3	L4	MM	SW1	SW2	SW3	ZB
6 mm	2.3	6	2.5	3	5.5	9	14	18.5
10 mm	3	7	3	5	7	14	22	16.5
10 mm	3	7	3	5	7	14	22	18
10 mm	3	7	3	5	7	14	22	20
16 mm	3.8	6.7	3.2	5	8	20	27	19.5
16 mm	3.8	6.7	3.2	5	8	20	27	20.5
16 mm	3.8	6.7	3.2	5	8	20	27	22

1) Recommended receiving bore DE

Weight [kg]

Piston Ø	S	Weight kg
6 mm	5	0.01 kg
6 mm	10	0.01 kg
6 mm	15	0.011 kg
10 mm	5	0.018 kg
10 mm	10	0.02 kg
10 mm	15	0.022 kg
16 mm	5	0.04 kg
16 mm	10	0.043 kg
16 mm	15	0.046 kg

S = stroke

Efficient pneumatic solutions, our program: cylinders and drives, valves and valve systems, air supply management



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