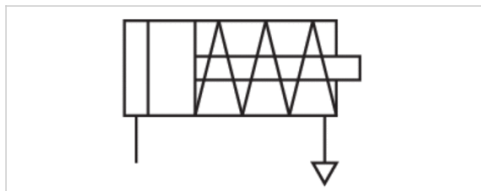


# Mini cylinder, Series ICM

- Ø 8-25 mm
- Ports M5 G 1/8
- Single-acting, retracted without pressure
- Cushioning elastic
- corrosion-resistant
- with integrated rear eye
- Piston rod External thread
- suitable for use in food processing



Compressed air connection	Internal thread
Working pressure min./max.	3 ... 10 bar
Ambient temperature min./max.	-20 ... 70 °C
Medium temperature min./max.	-20 ... 70 °C
Medium	Compressed air
Max. particle size	50 µm
Oil content of compressed air	0 mg/m <sup>3</sup>
Pressure for determining piston forces	6.3 bar
Weight	See table below

## Technical data

Piston Ø Piston rod thread Ports	8 mm M4 M5	10 mm M4 M5	12 mm M6 M5	16 mm M6 M5	20 mm M8 G 1/8	25 mm M10x1,25 G 1/8
Stroke 25	1326108020	1326110020	1326112020	1326116020	1326120020	1326125020

## Technical data

Piston Ø	8 mm	10 mm	12 mm	16 mm	20 mm
Extracting piston force	26 N	40 N	58 N	90 N	136 N
Spring force min. - max.	4 ... 6 N	6 ... 9 N	7 ... 13 N	24 ... 37 N	28 ... 62 N
Stroke max.	25 mm	25 mm	25 mm	25 mm	25 mm

Piston Ø	25 mm
Extracting piston force	250 N
Spring force min. - max.	28 ... 62 N
Stroke max.	25 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).

Nut MR3 included in supply

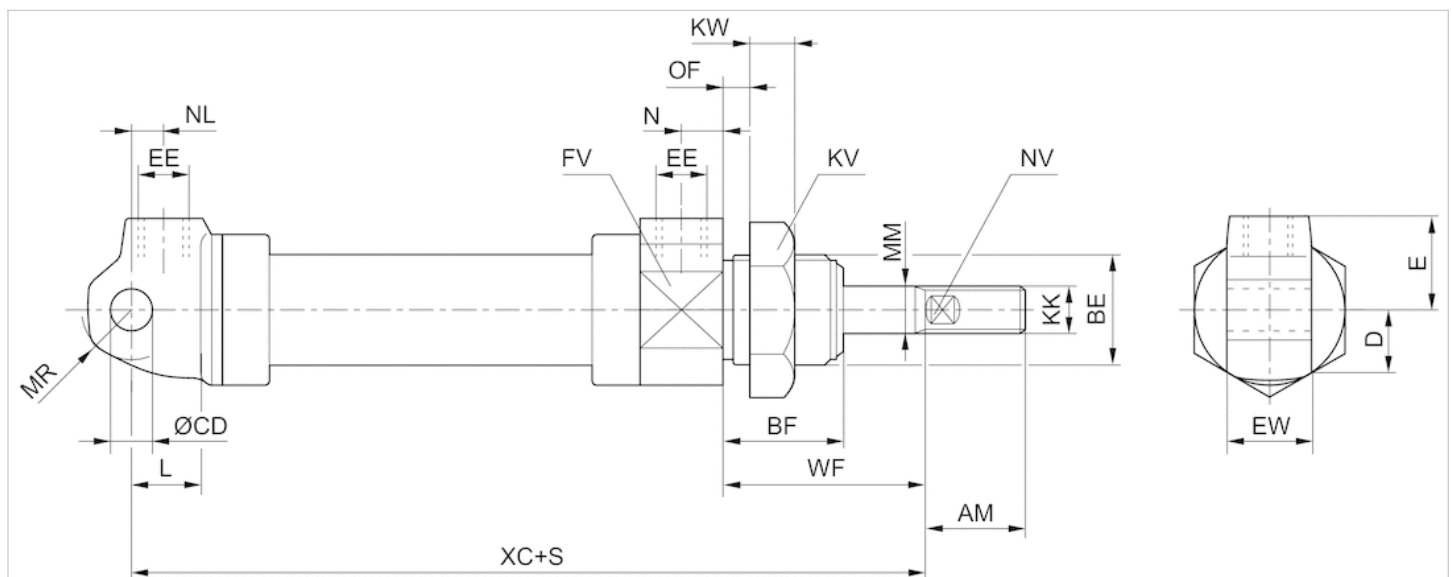
## Technical information

### Material

Cylinder tube	Stainless steel
Piston rod	Stainless steel
Front cover	Polyoxymethylene
End cover	Polyoxymethylene
Connection thread	Stainless steel
Seal	Acrylonitrile butadiene rubber
Nut for cylinder mounting	Polyamide
Nut for piston rod	Stainless steel
Scraper	Polyurethane

## Dimensions

### Dimensions



S = stroke

## Dimensions

Piston Ø	AM+0 -2	BE	BF	CDH11	D	E	EE	EWd13	FV	KK	KV	KW	L	MM	MR	N
8 mm	12	M12x1,25	14	4	7.5	12	M5	8	14	M4	17	7	7	4	5	5
10 mm	12	M12x1,25	14	4	8	12	M5	8	16	M4	17	7	7	4	5	5
12 mm	16	M16x1,5	20	6	10	13.5	M5	12	20	M6	24	7	9	6	7.5	5
16 mm	16	M16x1,5	20	6	12	14	M5	12	24	M6	24	7	9	6	7.5	5
20 mm	20	M22x1,5	22	8	15	18	G 1/8	16	30	M8	30	8	12	8	10	8
25 mm	27	M22x1,5	22	8	17	18	G 1/8	16	34	M10x1,25	30	8	12	10	10	8

Piston Ø	NL	NV	OF 1)	WF±1,2	XC±1
8 mm	12	3	4.5	16	114
10 mm	12	3	4.5	16	114
12 mm	7	4	10	22	112
16 mm	6	4	10	22	108
20 mm	7	6	10	24	123
25 mm	6.5	8	10	23	127

1) Max.

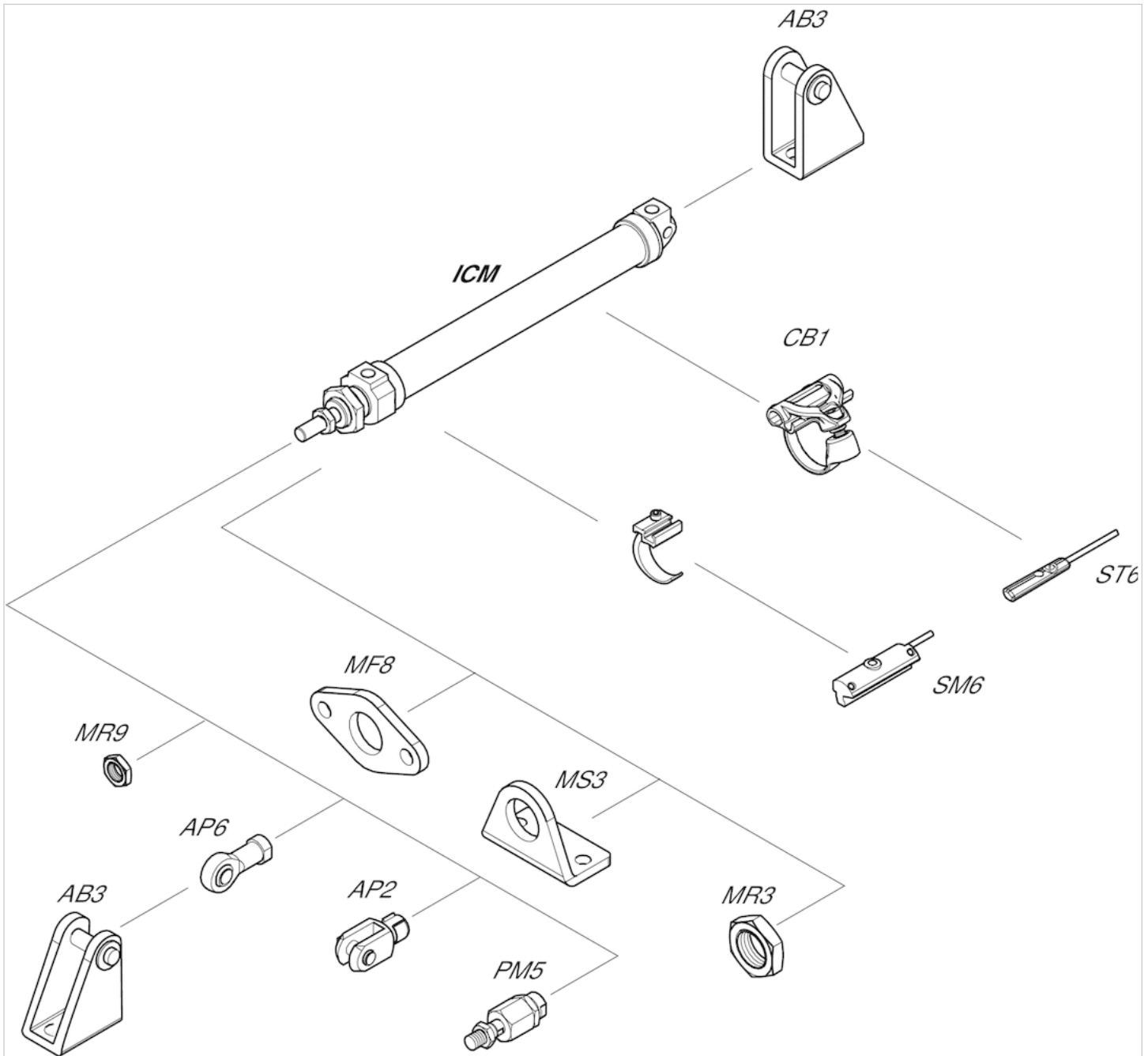
## Weight [kg]

Part No.	Piston Ø	S	Weight kg
1326108020	8 mm	25	0,043 kg
1326110020	10 mm	25	0,046 kg
1326112020	12 mm	25	0,072 kg
1326116020	16 mm	25	0,08 kg
1326120020	20 mm	25	0,14 kg
1326125020	25 mm	25	0,18 kg

S = stroke

## 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.