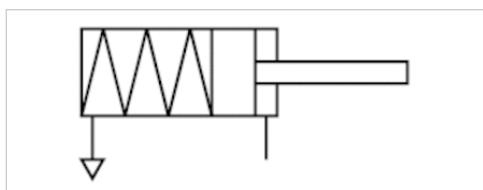


## Mini cylinder, Series ICM

- Ø 16-25 mm
- Ports M5 G 1/8
- Single-acting, extended 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/m³         |
| Pressure for determining piston forces | 6.3 bar         |
| Weight                                 | See table below |

### Technical data

| Piston Ø<br>Piston rod thread<br>Ports | 16 mm<br>M6<br>M5 | 20 mm<br>M8<br>G 1/8 | 25 mm<br>M10x1,25<br>G 1/8 |
|----------------------------------------|-------------------|----------------------|----------------------------|
| Stroke 25                              | 1326216020        | 1326220020           | 1326225020                 |

### Technical data

| Piston Ø                 | 16 mm       | 20 mm       | 25 mm       |
|--------------------------|-------------|-------------|-------------|
| Retracting piston force  | 72 N        | 104 N       | 198 N       |
| Spring force min. - max. | 24 ... 37 N | 28 ... 62 N | 28 ... 62 N |
| Stroke max.              | 25 mm       | 25 mm       | 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).

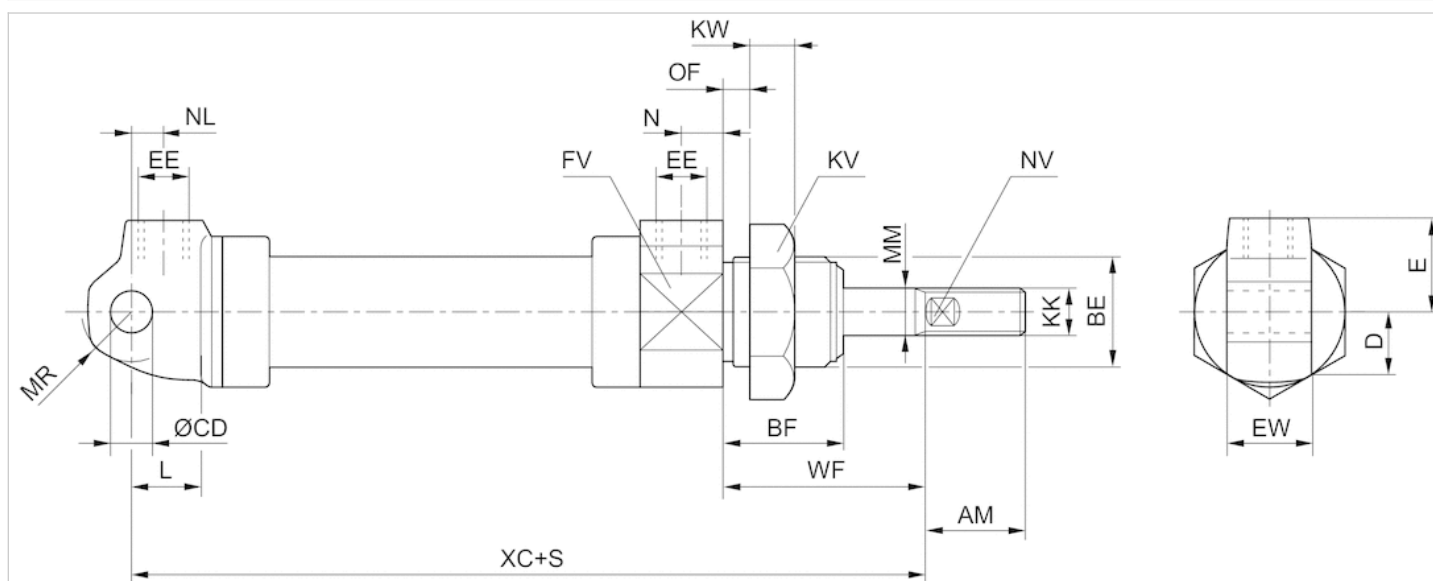
Nut MR3 included in supply

## 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 | BE      | BF | CD H11 | D  | E  | EE   | EW d13 | FV | KK       | KV | KW | L  | MM | MR  | N | NL  | NV |
|----------|----|---------|----|--------|----|----|------|--------|----|----------|----|----|----|----|-----|---|-----|----|
| 16 mm    | 16 | M16x1,5 | 20 | 6      | 12 | 14 | M5   | 12     | 24 | M6       | 24 | 7  | 9  | 6  | 7.5 | 5 | 6   | 4  |
| 20 mm    | 20 | M22x1,5 | 22 | 8      | 15 | 18 | G1/8 | 16     | 30 | M8       | 30 | 8  | 12 | 8  | 10  | 8 | 7   | 6  |
| 25 mm    | 27 | M22x1,5 | 22 | 8      | 17 | 18 | G1/8 | 16     | 34 | M10x1,25 | 30 | 8  | 12 | 10 | 10  | 8 | 6.5 | 8  |

| Piston Ø | OF 1) | WF ±1,2 | XC ±1 |
|----------|-------|---------|-------|
| 16 mm    | 10    | 47      | 133   |
| 20 mm    | 10    | 49      | 148   |

| Piston Ø | OF 1) | WF ±1,2 | XC ±1 |
|----------|-------|---------|-------|
| 25 mm    | 10    | 53      | 152   |

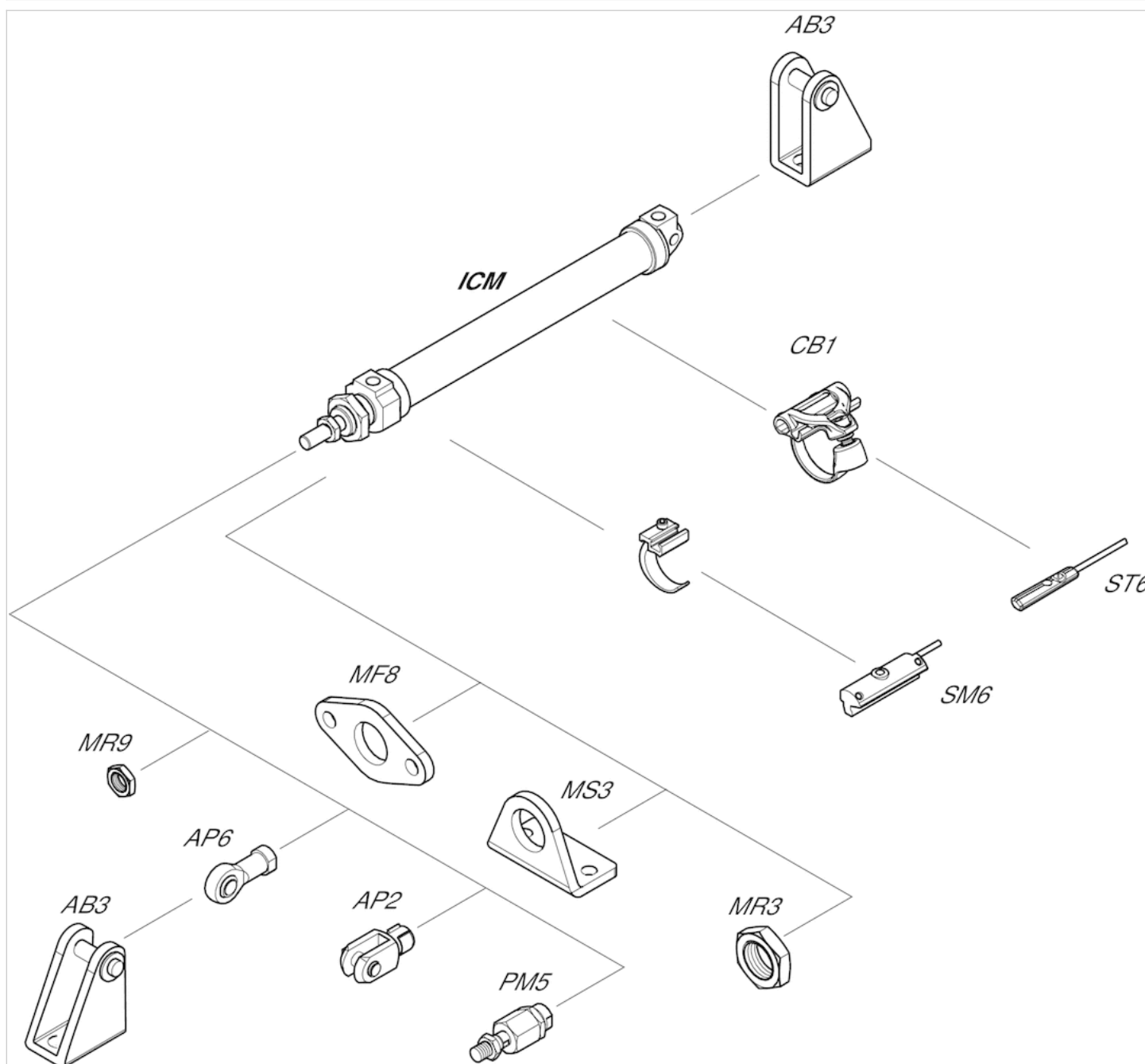
1) Max.

Weight [kg]

| Part No.   | Piston Ø | S  | Weight kg |
|------------|----------|----|-----------|
| 1326216020 | 16 mm    | 25 | 0,08 kg   |
| 1326220020 | 20 mm    | 25 | 0,14 kg   |
| 1326225020 | 25 mm    | 25 | 0,18 kg   |

## 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.