

## Multi-position cylinders/Adapter kits

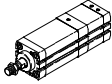
**FESTO**



# Multi-position cylinders ADN

Product range overview

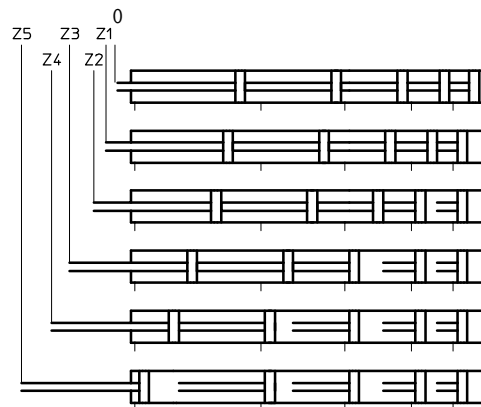
FESTO

| Function      | Version                                                                           | Type                            | Piston Ø<br>[mm] | Max. stroke<br>[mm] | Piston rod         |                  |
|---------------|-----------------------------------------------------------------------------------|---------------------------------|------------------|---------------------|--------------------|------------------|
|               |                                                                                   |                                 |                  |                     | With female thread | With male thread |
| Double-acting |  | ADNM<br>Single-ended piston rod | 25               | 300                 | ■                  | ■                |
|               |                                                                                   |                                 | 40, 63, 100      | 1000                | ■                  | ■                |

## Functional principle

Up to five positions Z1 ... Z5 can be approached by connecting two to five cylinders with the same piston diameter and different stroke lengths in series.

Example: ADN-..., with 5 positions



- 0 Initial position
- Z1 Position 1
- Z2 Position 2
- Z3 Position 3
- Z4 Position 4
- Z5 Position 5

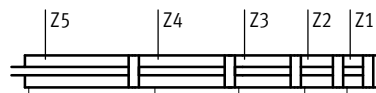
The following rules must be observed to ensure the functionality of the cylinder:

### Rules

- The subsequent position (e.g. Z4) must be greater than the sum of the preceding position (Z3) plus the positional tolerance T (→ page 3)

$$Z_n > Z_{n-1} + T_{n-1}$$

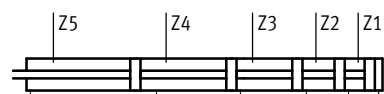
Example: ADN-25-...-50Z1-100Z2-150Z3-200Z4-300Z5, with 5 positions



$$Z5 > Z4 > Z3 > Z2 > Z1$$

- Pos. Z2 (100 mm) > pos. Z1 (50 mm) + 6.3 mm
- Pos. Z3 (150 mm) > pos. Z2: (100 mm) + 4.8 mm
- Pos. Z4 (200 mm) > pos. Z3: (150 mm) + 3.3 mm
- Pos. Z5 (300 mm) > pos. Z4: (200 mm) + 1.8 mm

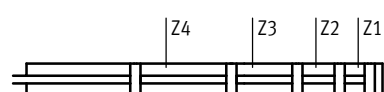
- The sum of all the positions must not exceed the following values:  
 Ø 25: 1000 mm  
 Ø 40, 63, 100: 2000 mm



$$Z5 + Z4 + Z3 + Z2 + Z1 \leq 1000$$

- Pos. Z1: 50 mm
- Pos. Z2: 100 mm
- Pos. Z3: 150 mm
- Pos. Z4: 200 mm
- Pos. Z5: 300 mm
- Sum: 800 mm ≤ 1000 mm

- The positions of the internal cylinders must not exceed the following values:  
 Ø 25: 200 mm  
 Ø 40, 63: 300 mm  
 Ø 100: 400 mm



- Pos. Z1: 50 mm ≤ 200 mm
- Pos. Z2: 100 mm ≤ 200 mm
- Pos. Z3: 150 mm ≤ 200 mm
- Pos. Z4: 200 mm ≤ 200 mm

- The position of the last cylinder must not exceed the following values:  
 Ø 25: 300 mm  
 Ø 40, 63, 100: 1000 mm



- Pos. Z5: 300 mm ≤ 300 mm

# Multi-position cylinders ADN

Product range overview



## Positional tolerance T [mm]

The subsequent position must be greater than the sum of the preceding position plus the positional tolerance T.

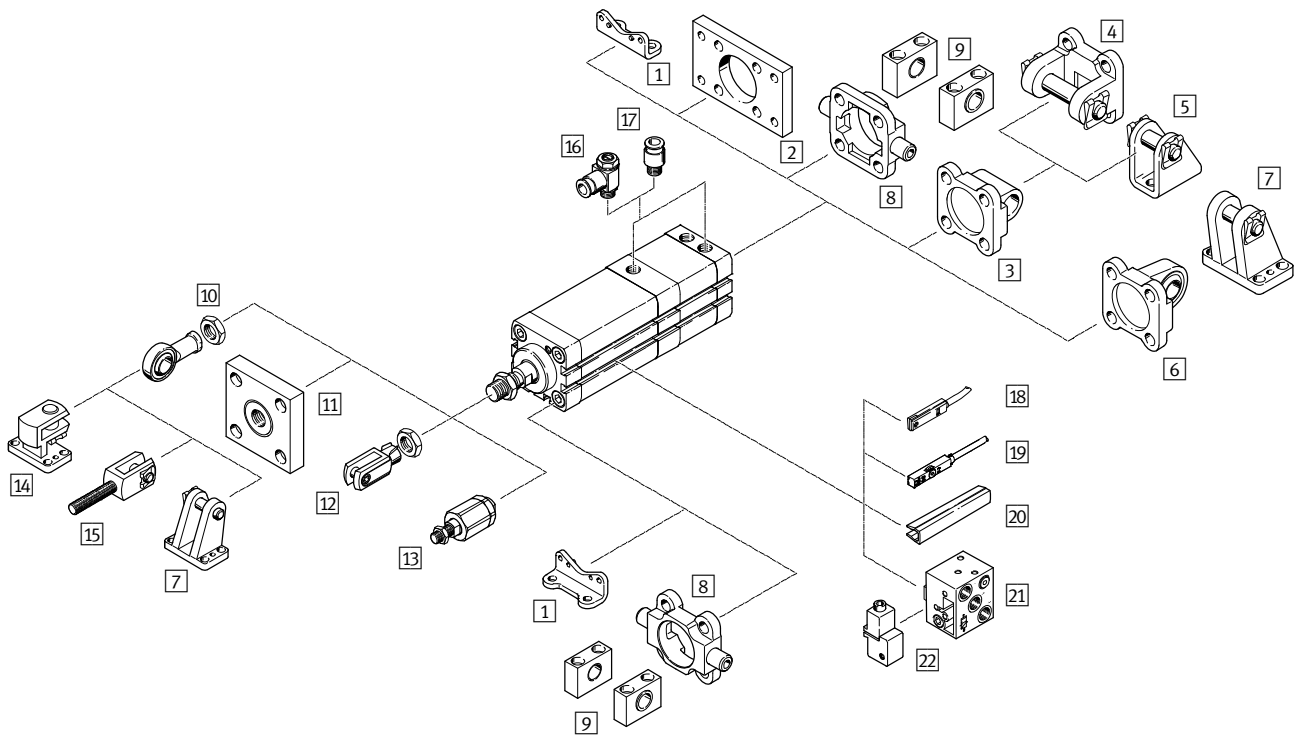
The positional tolerance depends on the number of positions.

| Position                  | Z1  | Z2  | Z3  | Z4  | Z5  |
|---------------------------|-----|-----|-----|-----|-----|
| Piston Ø 25               |     |     |     |     |     |
| Cylinder with 2 positions | 1.8 | 0.8 | –   | –   | –   |
| Cylinder with 3 positions | 3.3 | 1.8 | 0.8 | –   | –   |
| Cylinder with 4 positions | 4.8 | 3.3 | 1.8 | 0.8 | –   |
| Cylinder with 5 positions | 6.3 | 4.8 | 3.3 | 1.8 | 0.8 |
| Piston Ø 40, 63, 100      |     |     |     |     |     |
| Cylinder with 2 positions | 1.8 | 0.8 | –   | –   | –   |
| Cylinder with 3 positions | 3.4 | 1.8 | 0.8 | –   | –   |
| Cylinder with 4 positions | 5   | 3.4 | 1.8 | 0.8 | –   |
| Cylinder with 5 positions | 6.6 | 5   | 3.4 | 1.8 | 0.8 |

# Multi-position cylinders ADNM, standard port pattern

Peripherals overview

FESTO



# Multi-position cylinders ADN, standard port pattern

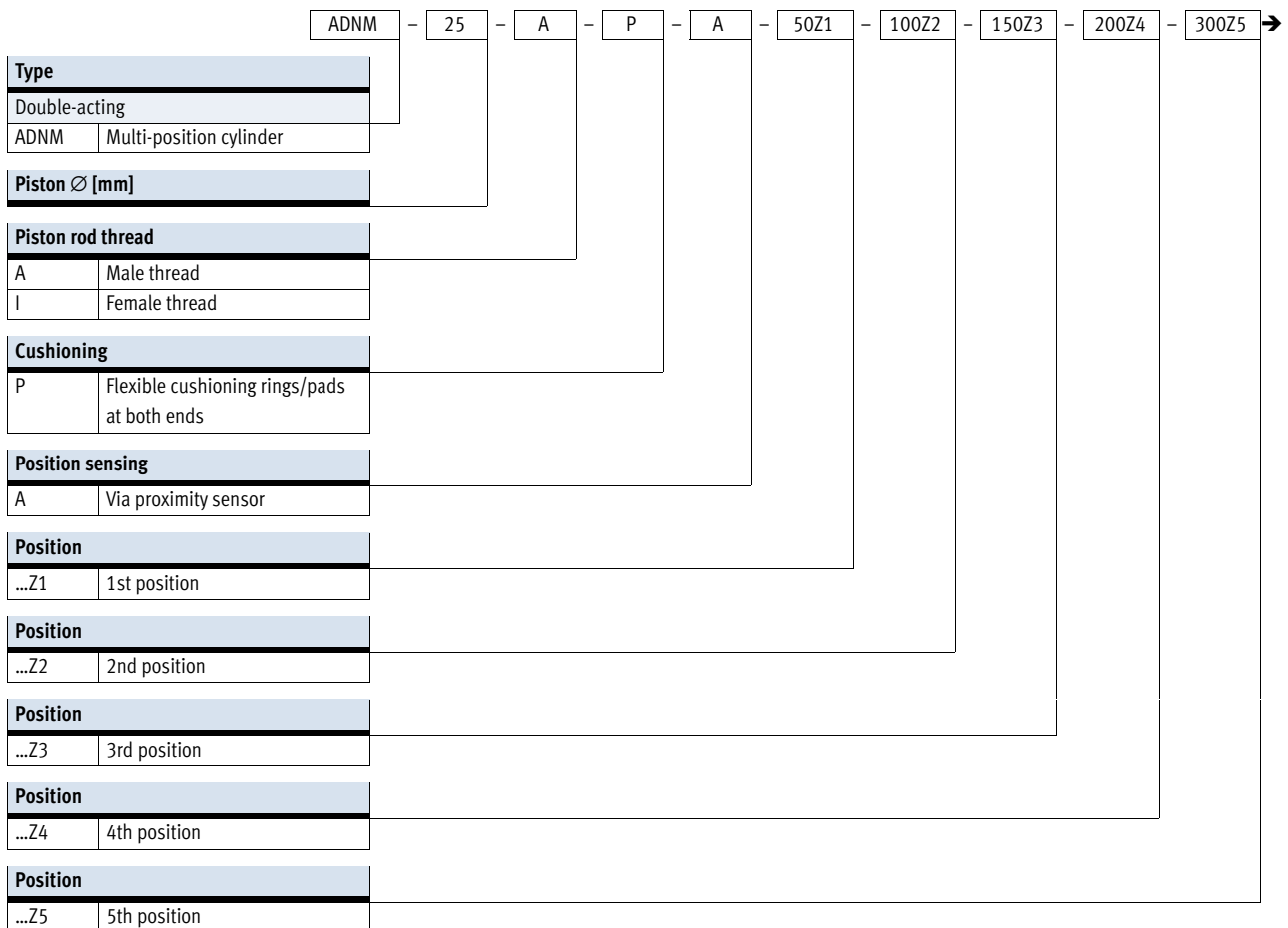
Peripherals overview

| Mounting attachments and accessories |                                          |      |               |                 |
|--------------------------------------|------------------------------------------|------|---------------|-----------------|
|                                      | Description                              | Ø 25 | Ø 40, 63, 100 | → Page/Internet |
| 1                                    | Foot mounting<br>HNA                     | ■    | ■             | 16              |
| 2                                    | Flange mounting<br>FNC                   | ■    | ■             | 17              |
| 3                                    | Swivel flange<br>SNCL/SNCL-...-R3        | ■    | ■             | 18              |
| 4                                    | Swivel flange<br>SNCB/SNCB-...-R3        | –    | ■             | 21              |
| 5                                    | Clevis foot<br>LBN/CRLBN                 | ■    | –             | 20              |
| 6                                    | Swivel flange<br>SNCS/CRSNCS/SNCS-...-R3 | –    | ■             | 18              |
| 7                                    | Clevis foot<br>LBG/LBG-...-R3            | –    | ■             | 23              |
| 8                                    | Trunnion flange<br>ZNCF/CRZNG            | –    | ■             | 22              |
| 9                                    | Trunnion support<br>LNZG                 | –    | ■             | 22              |
| 10                                   | Rod eye<br>SGS/CRSGS                     | ■    | ■             | 23              |
| 11                                   | Coupling piece<br>KSG                    | ■    | ■             | 23              |
| 12                                   | Rod clevis<br>SG/CRSG                    | ■    | ■             | 23              |
| 13                                   | Self-aligning rod coupler<br>FK/CRFK     | ■    | ■             | 23              |
| 14                                   | Right-angle clevis foot<br>LQG           | –    | ■             | 23              |
| 15                                   | Rod clevis<br>SGA                        | –    | ■             | 23              |
| 16                                   | One-way flow control valve<br>GRLA       | ■    | ■             | 23              |
| 17                                   | Push-in fitting<br>QS                    | ■    | ■             | qs              |
| 18                                   | Proximity sensor<br>SME/SMT-8            | ■    | ■             | 24              |
| 19                                   | Proximity sensor<br>SME/SMT-8M           | ■    | ■             | 24              |
| 20                                   | Slot cover<br>ABP-5-S                    | ■    | ■             | 25              |
| 21                                   | Proximity sensor<br>SMPO-8E              | ■    | ■             | 25              |
| 22                                   | Mounting kit<br>SMB-8E                   | ■    | ■             | 25              |

# Multi-position cylinders ADN, standard port pattern

FESTO

Type codes



## Multi-position cylinders ADN, standard port pattern

FESTO

Type codes



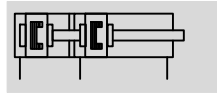
|                               |                                        |      |   |  |   |       |   |    |   |    |
|-------------------------------|----------------------------------------|------|---|--|---|-------|---|----|---|----|
|                               |                                        | 20K2 | - |  | - | 100K8 | - | S6 | - | TL |
| <b>Male thread</b>            |                                        |      |   |  |   |       |   |    |   |    |
| ...K2                         | Extended male piston rod thread        |      |   |  |   |       |   |    |   |    |
| <b>Special thread</b>         |                                        |      |   |  |   |       |   |    |   |    |
| ...K5                         | Special piston rod thread              |      |   |  |   |       |   |    |   |    |
| <b>Piston rod</b>             |                                        |      |   |  |   |       |   |    |   |    |
| ...K8                         | Extended piston rod                    |      |   |  |   |       |   |    |   |    |
| <b>Temperature resistance</b> |                                        |      |   |  |   |       |   |    |   |    |
| S6                            | Heat-resistant seals up to max. 120 °C |      |   |  |   |       |   |    |   |    |
| <b>Captive rating plate</b>   |                                        |      |   |  |   |       |   |    |   |    |
| TL                            | Laser etched rating plate              |      |   |  |   |       |   |    |   |    |

# Multi-position cylinders ADNM, standard port pattern

FESTO

Technical data

## Function



- $\varnothing$  - Diameter  
25 ... 100 mm
- | - Stroke length  
1 ... 2000 mm

## Variants



K2



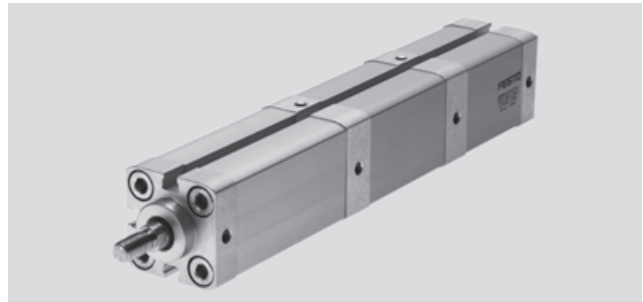
K5



K8



S6



| General technical data |                                             |          |         |         |
|------------------------|---------------------------------------------|----------|---------|---------|
| Piston $\varnothing$   | 25                                          | 40       | 63      | 100     |
| Pneumatic connection   | M5                                          | M5       | G1/8    | G1/8    |
| Piston rod thread      |                                             |          |         |         |
| Female                 | M6                                          | M10      | M12     | M16     |
| Male                   | M8                                          | M12x1.25 | M16x1.5 | M20x1.5 |
| Constructional design  | Piston<br>Piston rod<br>Cylinder barrel     |          |         |         |
| Cushioning             | Flexible cushioning rings/pads at both ends |          |         |         |
| Position sensing       | Via proximity sensor                        |          |         |         |
| Type of mounting       | Via female threads<br>Via accessories       |          |         |         |
| Mounting position      | Any                                         |          |         |         |

| Operating and environmental conditions       |                                                                                                        |             |            |     |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------|-------------|------------|-----|
| Piston $\varnothing$                         | 25                                                                                                     | 40          | 63         | 100 |
| Operating medium                             | Compressed air in accordance with ISO 8573-1:2010 [7:4:4]                                              |             |            |     |
| Note on operating/pilot medium               | Operation with lubricated medium possible (in which case lubricated operation will always be required) |             |            |     |
| Operating pressure                           |                                                                                                        |             |            |     |
| with 2 positions                             | [bar]                                                                                                  | 0.8 ... 10  | 0.6 ... 10 |     |
| with 3 positions                             | [bar]                                                                                                  | 1.1 ... 10  | 0.9 ... 10 |     |
| with 4 positions                             | [bar]                                                                                                  | 1.4 ... 10  | 1.2 ... 10 |     |
| with 5 positions                             | [bar]                                                                                                  | 1.7 ... 10  | 1.5 ... 10 |     |
| Ambient temperature <sup>1)</sup>            | [°C]                                                                                                   | -20 ... +80 |            |     |
|                                              | S6 [°C]                                                                                                | 0 ... +120  |            |     |
| Corrosion resistance class CRC <sup>2)</sup> |                                                                                                        | 2           |            |     |

1) Note operating range of proximity sensors

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

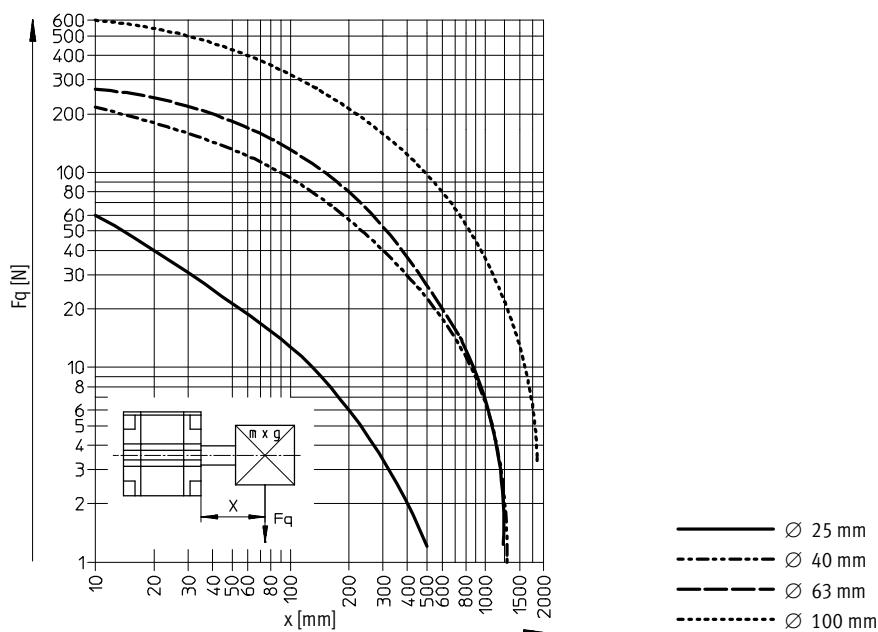
# Multi-position cylinders ADN, standard port pattern

FESTO

Technical data

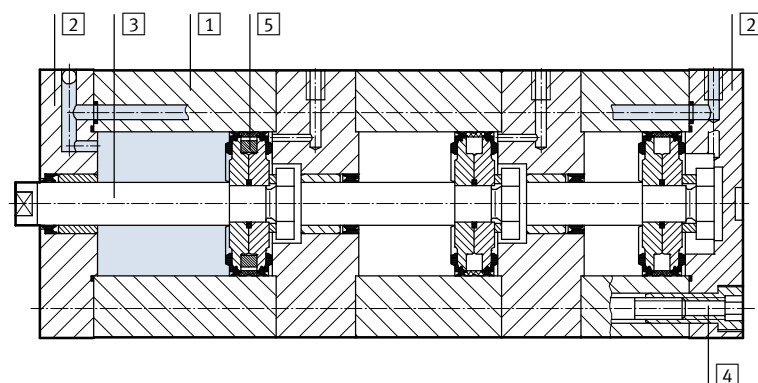
| Forces [N] and impact energy [J]        |      |      |      |      |
|-----------------------------------------|------|------|------|------|
| Piston Ø                                | 25   | 40   | 63   | 100  |
| Theoretical force at 6 bar, advancing   | 295  | 754  | 1870 | 4712 |
| Theoretical force at 6 bar, retracting  | 247  | 633  | 1681 | 4417 |
| Max. impact energy at the end positions | 0.3  | 0.7  | 1.3  | 2.5  |
| S6                                      | 0.15 | 0.35 | 0.65 | 1.25 |

## Max. lateral force $F_q$ as a function of the projection $x$



## Materials

### Sectional view



Note

- 5 Position sensing possible:  
 Ø 25: for all positions  
 Ø 40, 63, 100: for the last position

| Multi-position cylinder | Basic version      | S6                 |
|-------------------------|--------------------|--------------------|
| 1 Cylinder barrel       | Anodised aluminium | Anodised aluminium |
| 2 Cover                 | Anodised aluminium | Anodised aluminium |
| 3 Piston rod            | High-alloy steel   | High-alloy steel   |
| 4 Flange screws         | Galvanised steel   | Galvanised steel   |
| - Seals                 | Polyurethane       | Fluoro elastomer   |
| Note on materials       | RoHS compliant     |                    |

# Multi-position cylinders ADNM, standard port pattern

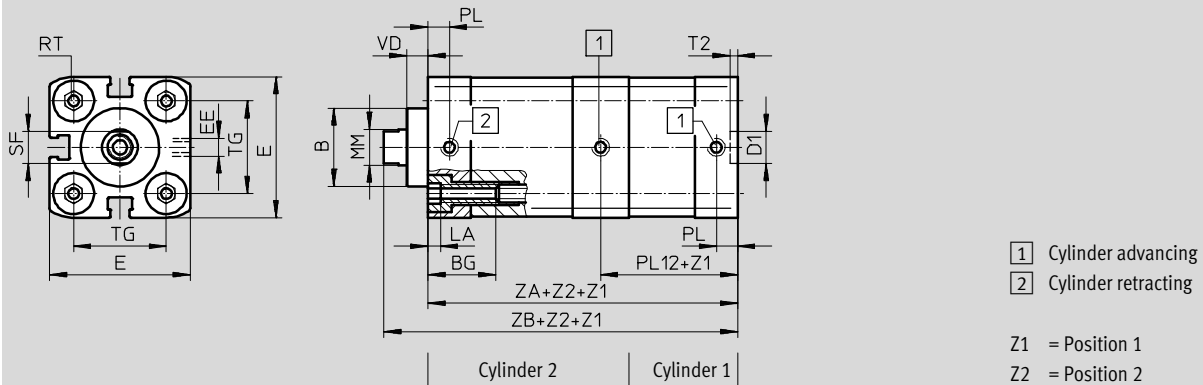
FESTO

Technical data

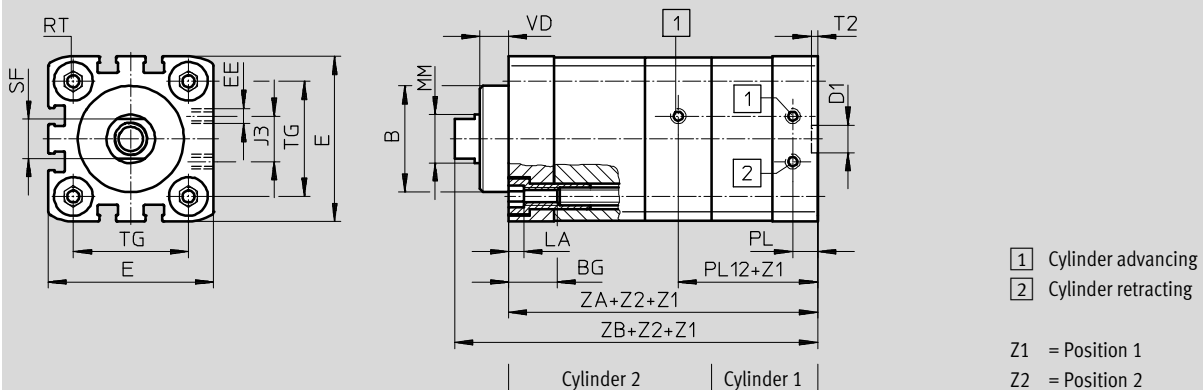
## Dimensions – Basic version

Download CAD data → [www.festo.com](http://www.festo.com)

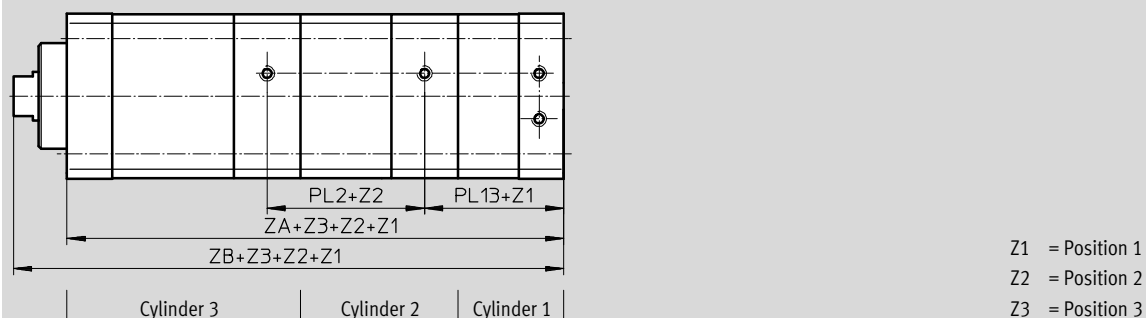
Ø 25/Z2 – 2 positions



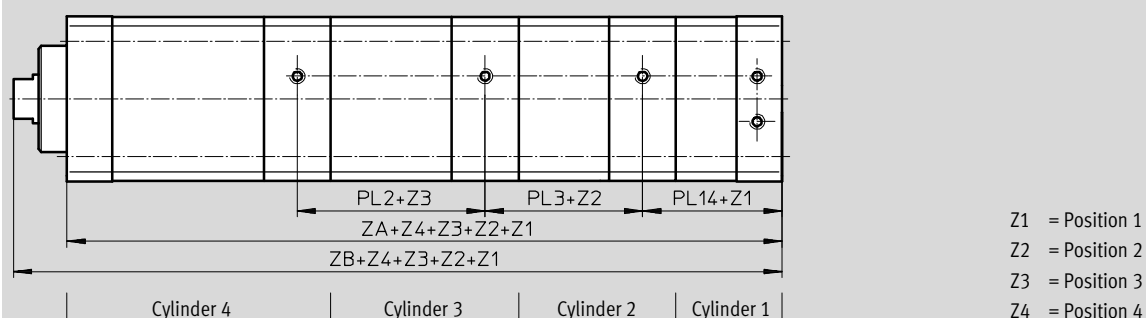
Ø 40 ... 100/Z2 – 2 positions



Z3 – 3 positions



Z4 – 4 positions



# Multi-position cylinders ADNM, standard port pattern

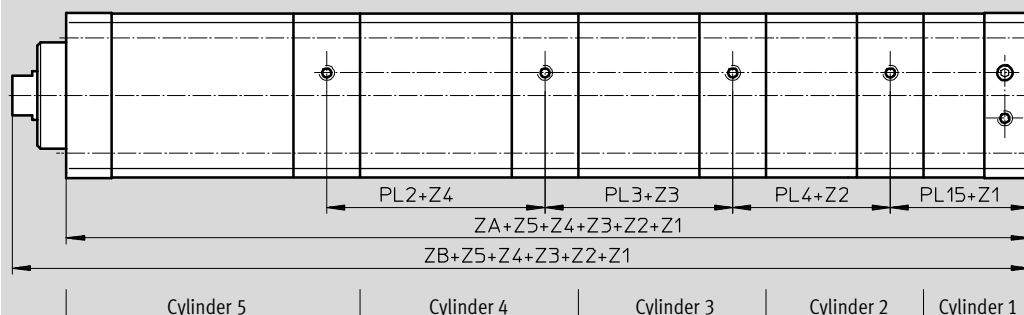
FESTO

Technical data

## Dimensions – Variants

Download CAD data → [www.festo.com](http://www.festo.com)

Z5 – 5 positions



Z1 = Position 1  
Z2 = Position 2  
Z3 = Position 3  
Z4 = Position 4  
Z5 = Position 5

| Ø<br>[mm] | B<br>Ø<br>f8 | BG<br>min. | D1<br>Ø<br>H9 | E                     | EE   | J3 | LA<br>+0.2 | MM<br>Ø<br>h8 | PL<br>+0.2 | PL2<br>±0.3 |
|-----------|--------------|------------|---------------|-----------------------|------|----|------------|---------------|------------|-------------|
| 25        | 22           | 15         | 9             | 39.5 <sup>+0.3</sup>  | M5   | –  | 5          | 10            | 6          | 32.1        |
| 40        | 35           | 16         |               | 54.5 <sup>+0.3</sup>  |      | 15 |            | 16            | 8.2        | 38.3        |
| 63        | 42           |            | 12            | 75.5 <sup>+0.3</sup>  | G1/8 | 23 |            | 20            | 8.2        | 41.4        |
| 100       | 55           | 17         |               | 113.5 <sup>+0.6</sup> |      | 40 |            | 25            | 10.5       | 50.8        |

| Ø<br>[mm] | PL3<br>±0.3 | PL4<br>±0.3 | PL12<br>±0.3 | PL13<br>±0.3 | PL14<br>±0.3 | PL15<br>±0.3 | RT  | SF | T2<br>+0.1 | TG<br>±0.2 | VD   |
|-----------|-------------|-------------|--------------|--------------|--------------|--------------|-----|----|------------|------------|------|
| 25        | 33.6        | 35.1        | 41.9         | 44.4         | 45.3         | 44.8         | M5  | 9  | 2.1        | 26         | 6    |
| 40        | 39.9        | 41.5        | 45.7         | 47.0         | 48.8         | 50.6         | M6  | 13 | 2.1        | 38         | 9.5  |
| 63        | 43.0        | 44.6        | 49.3         | 50.6         | 52.4         | 54.2         | M8  | 17 | 2.6        | 56.5       | 12   |
| 100       | 52.4        | 54.0        | 63.2         | 64.6         | 66.7         | 68.8         | M10 | 21 | 2.6        | 89         | 15.5 |

| Ø<br>[mm] | ZA<br>Number of positions |                       |                       |                     | ZB<br>Number of positions |                       |                       |                       |
|-----------|---------------------------|-----------------------|-----------------------|---------------------|---------------------------|-----------------------|-----------------------|-----------------------|
|           | 2                         | 3                     | 4                     | 5                   | 2                         | 3                     | 4                     | 5                     |
| 25        | 76.3 <sup>+1.2</sup>      | 110.5 <sup>+1.8</sup> | 144.7 <sup>+2.4</sup> | 178.9 <sup>+3</sup> | 88.5 <sup>+1.6</sup>      | 122.7 <sup>+2.2</sup> | 156.9 <sup>+2.8</sup> | 191.1 <sup>+3.5</sup> |
| 40        | 86.2 <sup>+1.2</sup>      | 125.5 <sup>+1.8</sup> | 166.9 <sup>+2.4</sup> | 209.9 <sup>+3</sup> | 104.6 <sup>+1.6</sup>     | 143.9 <sup>+2.2</sup> | 185.2 <sup>+2.8</sup> | 228.2 <sup>+3.5</sup> |
| 63        | 93.3 <sup>+1.2</sup>      | 135.7 <sup>+1.8</sup> | 180.2 <sup>+2.4</sup> | 226.3 <sup>+3</sup> | 114.6 <sup>+1.6</sup>     | 157 <sup>+2.2</sup>   | 201.4 <sup>+2.8</sup> | 247.5 <sup>+3.5</sup> |
| 100       | 120.9 <sup>+1.2</sup>     | 172.8 <sup>+1.8</sup> | 227 <sup>+2.4</sup>   | 282.8 <sup>+3</sup> | 147.9 <sup>+1.6</sup>     | 199.8 <sup>+2.2</sup> | 253.9 <sup>+2.8</sup> | 309.7 <sup>+3.5</sup> |

# Multi-position cylinders ADNM, standard port pattern

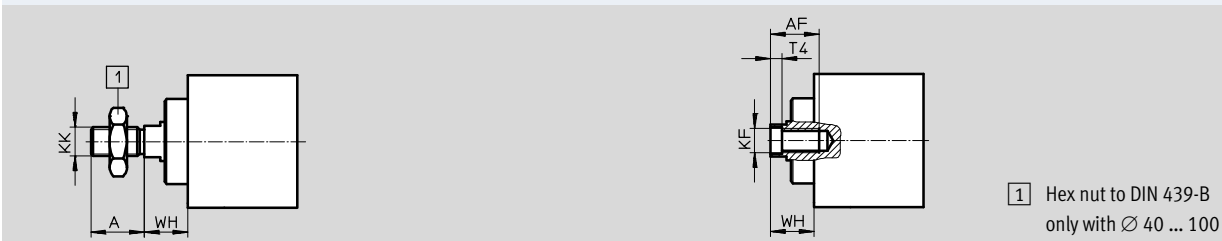
Technical data

**FESTO**

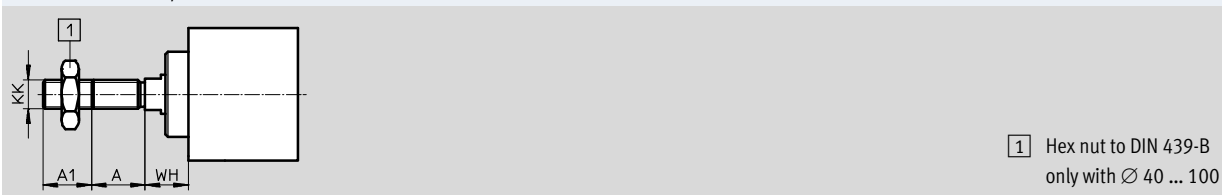
## Dimensions – Variants

Download CAD data → [www.festo.com](http://www.festo.com)

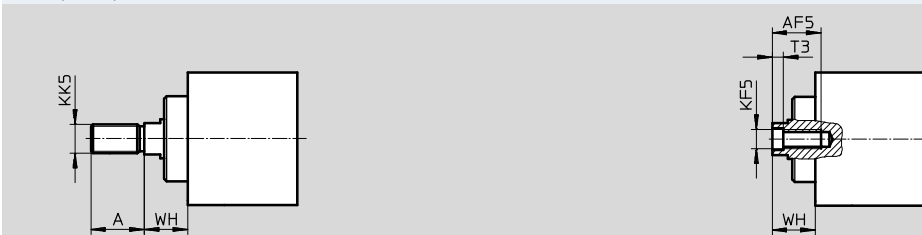
### Basic version



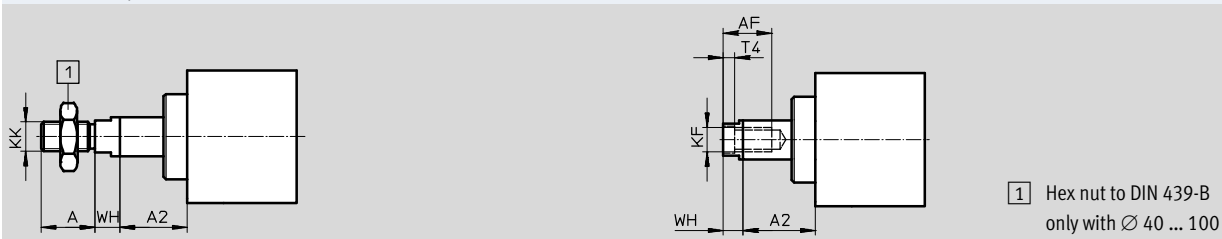
### K2 – Extended male piston rod thread



### K5 – Special piston rod thread



### K8 – Extended piston rod



## Multi-position cylinders ADNM, standard port pattern

**FESTO**

Technical data

| ∅<br>[mm] | A<br>-0.5 | A1       | A2        | AF<br>min. | AF5<br>min. | KF  | KF5 | KK       | KK5             | T3  | T4  | WH<br>+1.3 |
|-----------|-----------|----------|-----------|------------|-------------|-----|-----|----------|-----------------|-----|-----|------------|
| 25        | 16        | 1 ... 20 | 1 ... 150 | 14         | 12          | M6  | M5  | M8       | M10x1.25<br>M10 | 2   | 2.6 | 11.8       |
| 40        | 22        |          |           | 20         | 16          | M10 | M8  | M12x1.25 | M10x1.25<br>M12 | 3.3 | 4.7 | 18         |
| 63        | 28        |          |           |            | 20          | M12 | M10 | M16x1.5  | M12x1.25<br>M16 | 4.7 | 6.1 | 21         |
| 100       | 40        | 1 ... 30 |           | 25         | –           | M16 | –   | M20x1.5  | M16x1.5<br>M20  | –   | 7   | 26.5       |

# Multi-position cylinders ADNM, standard port pattern

FESTO

Ordering data – Modular products

| Ordering table             |                                                |            |            |            |            |        |            |  |
|----------------------------|------------------------------------------------|------------|------------|------------|------------|--------|------------|--|
| Size                       | 25                                             | 40         | 63         | 100        | Conditions | Code   | Enter code |  |
| <b>M</b> Module No.        | 539695                                         | 539696     | 539697     | 539698     |            |        |            |  |
| Function                   | Multi-position cylinder, standard port pattern |            |            |            |            | ADNM   | ADNM       |  |
| Size [mm]                  | 25                                             | 40         | 63         | 100        |            | -...   |            |  |
| Type of thread             | Male thread                                    |            |            |            |            | -A     |            |  |
|                            | Female thread                                  |            |            |            |            | -I     |            |  |
| Cushioning                 | Flexible cushioning rings/pads at both ends    |            |            |            |            | -P     | -P         |  |
| Position sensing           | Via proximity sensor                           |            |            |            |            | -A     | -A         |  |
| 1st position [mm]          | 1 ... 200                                      | 1 ... 300  | 1 ... 300  | 1 ... 400  | 1 2 3 4    | -...Z1 | - ... Z1   |  |
| 2nd position [mm]          | 1 ... 300                                      | 1 ... 1000 | 1 ... 1000 | 1 ... 1000 | 1 2 3 4    | -...Z2 | - ... Z2   |  |
| <b>O</b> 3rd position [mm] | 1 ... 300                                      | 1 ... 1000 | 1 ... 1000 | 1 ... 1000 | 1 2 3 4    | -...Z3 |            |  |
| 4th position [mm]          | 1 ... 300                                      | 1 ... 1000 | 1 ... 1000 | 1 ... 1000 | 1 2 3 4    | -...Z4 |            |  |
| <b>↓</b> 5th position [mm] | 1 ... 300                                      | 1 ... 1000 | 1 ... 1000 | 1 ... 1000 | 1 2 3 4    | -...Z5 |            |  |

The end of the retracted piston rod is the reference point for all positions.

- 1 **Z2 ... Z5** The subsequent position (e.g. Z4) must be greater than the sum of the preceding position (Z3) plus the positional tolerance T.
- 2 **Z2 ... Z5** The sum of all the positions must not exceed the following values:  
 Ø25: 1,000 mm  
 Ø40, 63, 100: 2,000 mm

3 **Z2 ... Z5** The positions of the internal cylinders must not exceed the following values:

Ø25: 200 mm  
 Ø40, 63: 300 mm  
 Ø100: 400 mm

4 **Z2 ... Z5** The position of the last cylinder must not exceed the following values:

Ø25: 300 mm  
 Ø40, 63, 100: 1,000 mm

**M** Mandatory data

**O** Options

Transfer order code

**ADNM** -  -  - **P** - **A** -  -  -  -  -

# Multi-position cylinders ADN, standard port pattern

FESTO

Ordering data – Modular products

| Ordering table            |                                        |           |           |           |                 |          |               |
|---------------------------|----------------------------------------|-----------|-----------|-----------|-----------------|----------|---------------|
| Size                      | 25                                     | 40        | 63        | 100       | Condi-<br>tions | Code     | Enter<br>code |
| ↓ Male thread extended    | Extended male piston rod thread        |           |           |           |                 |          |               |
| [0] [mm]                  | 1 ... 20                               | 1 ... 20  | 1 ... 20  | 1 ... 30  |                 | -...K2   |               |
| Special piston rod thread | M10x1.25                               | M10x1.25  | M12x1.25  | M16x1.5   | [5]             | -“...”K5 |               |
|                           | M10                                    | M12       | M16       | M20       |                 |          |               |
|                           | M5                                     | M8        | M10       | –         | [6]             |          |               |
| Piston rod extended [mm]  | Extended piston rod                    |           |           |           | [7]             | -...K8   |               |
|                           | 1 ... 300                              | 1 ... 400 | 1 ... 400 | 1 ... 500 |                 |          |               |
| Temperature resistance    | Heat-resistant seals up to max. 120 °C |           |           |           |                 | -S6      |               |
| Captive rating plate      | Laser etched rating plate              |           |           |           |                 | -TL      |               |

- [5] K5 Only with piston rod thread A (male thread)  
 [6] K5 Only with piston rod thread I (female thread)

- [7] K8 The sum of the length of the last position and piston rod extension must not exceed the maximum permissible length of the last position

- [M] Mandatory data  
 [O] Options

Transfer order code

– [ ] – [ ] – [ ] – [ ] – [ ]

# Multi-position cylinders ADNM, standard port pattern

FESTO

Accessories

## Foot mounting HNA

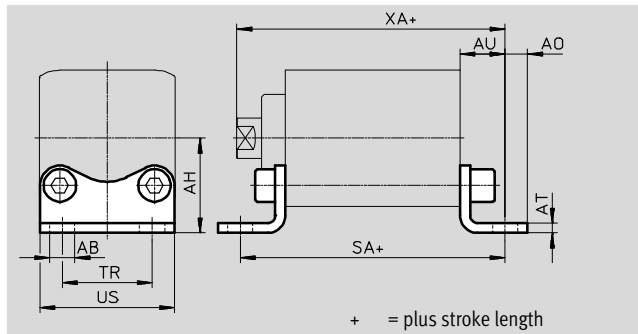
Material:

HNA: Galvanised steel

HNA-...-R3: Steel with protective coating

Free of copper and PTFE

RoHS-compliant



| Dimensions and ordering data |          |      |      |      |      |                  |       |       |       |
|------------------------------|----------|------|------|------|------|------------------|-------|-------|-------|
| For Ø                        | AB       | AH   | AO   | AT   | AU   | SA <sup>1)</sup> |       |       |       |
| [mm]                         | Ø<br>H14 | JS14 |      | ±0.5 | ±0.2 | 2                | 3     | 4     | 5     |
| 25                           | 7        | 29   | 6.25 | 4    | 16   | 108.3            | 142.5 | 176.7 | 210.9 |
| 40                           | 10       | 38   | 9    |      | 18   | 122.2            | 161.5 | 202.9 | 245.9 |
| 63                           |          | 50   | 8    | 5    | 21   | 135.3            | 177.7 | 222.2 | 268.3 |
| 100                          | 14.5     | 74   | 12.5 | 6    | 27   | 174.9            | 226.8 | 281.0 | 336.8 |

| For Ø | TR   | US   | XA <sup>1)</sup> |       |       |       |
|-------|------|------|------------------|-------|-------|-------|
| [mm]  | ±0.2 | ±0.5 | 2                | 3     | 4     | 5     |
| 25    | 26   | 38.5 | 104.5            | 138.7 | 172.9 | 207.1 |
| 40    | 36   | 54   | 122.6            | 161.9 | 203.2 | 246.2 |
| 63    | 50   | 75   | 135.6            | 178.0 | 222.4 | 268.5 |
| 100   | 75   | 110  | 174.9            | 226.8 | 280.9 | 336.7 |

| For Ø | Basic version     |            |          |         | R3 – High corrosion protection |            |          |            |
|-------|-------------------|------------|----------|---------|--------------------------------|------------|----------|------------|
|       | CRC <sup>2)</sup> | Weight [g] | Part No. | Type    | CRC <sup>2)</sup>              | Weight [g] | Part No. | Type       |
| 25    | 1                 | 90         | 537240   | HNA-25  | 3                              | 90         | 537255   | HNA-25-R3  |
| 40    | 1                 | 157        | 537242   | HNA-40  | 3                              | 157        | 537257   | HNA-40-R3  |
| 63    | 1                 | 328        | 537244   | HNA-63  | 3                              | 328        | 537259   | HNA-63-R3  |
| 100   | 1                 | 814        | 537250   | HNA-100 | 3                              | 814        | 537261   | HNA-100-R3 |

1) Number of positions

2 = + pos. Z1 + pos. Z2

3 = + pos. Z1 + pos. Z2 + pos. Z3

4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4

5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

2) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.

# Multi-position cylinders ADNM, standard port pattern

FESTO

Accessories

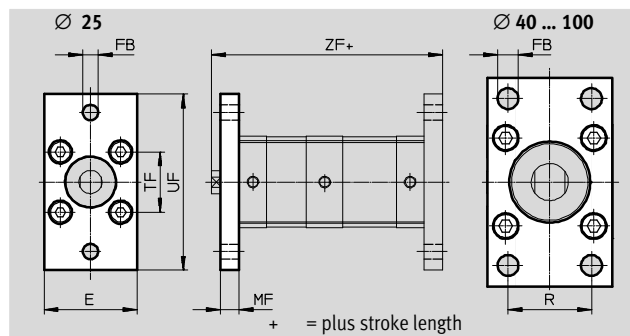
## Flange mounting FNC

Material:

Galvanised steel

Free of copper and PTFE

RoHS-compliant



| Dimensions and ordering data |     |         |    |    |     |     |
|------------------------------|-----|---------|----|----|-----|-----|
| For Ø                        | E   | FB<br>Ø | MF | R  | TF  | UF  |
| [mm]                         |     |         |    |    |     |     |
| 25                           | 40  | 6.6     | 8  | –  | 60  | 76  |
| 40                           | 54  | 9       | 10 | 36 | 72  | 90  |
| 63                           | 75  |         | 12 | 50 | 100 | 120 |
| 100                          | 110 | 14      | 16 | 75 | 150 | 175 |

| For Ø<br>[mm] | ZF <sup>1)</sup> |       |       |       | CRC <sup>2)</sup> | Weight<br>[g] | Part No. | Type    |
|---------------|------------------|-------|-------|-------|-------------------|---------------|----------|---------|
|               | 2                | 3     | 4     | 5     |                   |               |          |         |
| 25            | 96.5             | 130.7 | 164.9 | 199.1 | 1                 | 165           | 537248   | FNC-25  |
| 40            | 114.6            | 153.9 | 195.2 | 238.2 | 1                 | 291           | 174377   | FNC-40  |
| 63            | 126.6            | 169.0 | 213.4 | 259.5 | 1                 | 679           | 174379   | FNC-63  |
| 100           | 163.9            | 215.8 | 269.9 | 325.7 | 1                 | 2041          | 174381   | FNC-100 |

1) Number of positions

2 = + pos. Z1 + pos. Z2

3 = + pos. Z1 + pos. Z2 + pos. Z3

4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4

5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

2) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

 Note

Screws with special lengths are required to fit the size Ø 100 mm.  
Ø 100: M10x25

# Multi-position cylinders ADNM, standard port pattern

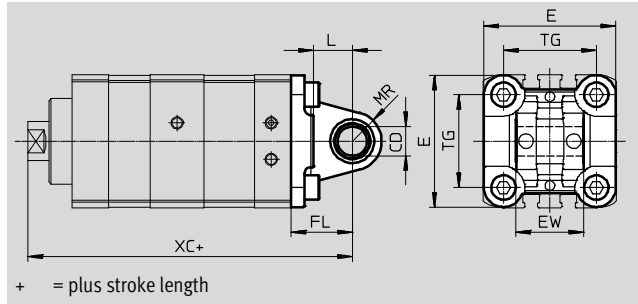
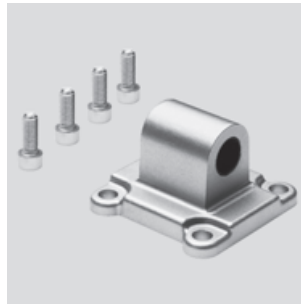
FESTO

Accessories

## Swivel flange SNCL/SNCL-...-R3

Material:

SNCL 25: Wrought aluminium alloy  
SNCL 40 ... 63: Die-cast aluminium  
SNCL-...-R3: Wrought aluminium alloy  
with protective coating  
Free of copper and PTFE  
RoHS-compliant



| Dimensions and ordering data |         |                      |              |      |    |    |      |                  |       |       |       |
|------------------------------|---------|----------------------|--------------|------|----|----|------|------------------|-------|-------|-------|
| For Ø                        | CD      | E                    | EW           | FL   | L  | MR | TG   | XC <sup>1)</sup> |       |       |       |
| [mm]                         | Ø<br>H9 |                      |              | ±0.2 |    |    |      | 2                | 3     | 4     | 5     |
| 25                           | 8       | 38.5 <sub>-0.6</sub> | 16 h12       | 20   | 14 | 8  | 26   | 108.5            | 142.7 | 176.9 | 211.1 |
| 40                           | 12      | 54 <sub>-0.5</sub>   | 28 -0.2/-0.6 | 25   | 16 | 12 | 38   | 129.6            | 168.9 | 210.2 | 253.2 |
| 63                           | 16      | 75 <sub>-0.6</sub>   | 40 -0.2/-0.6 | 32   | 21 | 16 | 56.5 | 146.6            | 189.0 | 233.4 | 279.5 |
| 100                          | 20      | 110 +0.3/-0.8        | 60 -0.2/-0.6 | 41   | 27 | 20 | 89   | 188.9            | 240.8 | 294.9 | 350.7 |

| For Ø<br>[mm] | Basic version     |               |          |          | R3 – High corrosion protection |               |          |            |
|---------------|-------------------|---------------|----------|----------|--------------------------------|---------------|----------|------------|
|               | CRC <sup>2)</sup> | Weight<br>[g] | Part No. | Type     | CRC <sup>2)</sup>              | Weight<br>[g] | Part No. | Type       |
| 25            | 2                 | 41            | 537793   | SNCL-25  | 3                              | 41            | 537797   | SNCL-25-R3 |
| 40            | 1                 | 95            | 174405   | SNCL-40  | –                              | –             | –        | –          |
| 63            | 1                 | 225           | 174407   | SNCL-63  | –                              | –             | –        | –          |
| 100           | 1                 | 606           | 174409   | SNCL-100 | –                              | –             | –        | –          |

- 1) Number of positions  
 2 = + pos. Z1 + pos. Z2  
 3 = + pos. Z1 + pos. Z2 + pos. Z3  
 4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4  
 5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

- 1) Corrosion resistance class CRC 1 to Festo standard FN 940070  
 Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).  
 Corrosion resistance class CRC 2 to Festo standard FN 940070  
 Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.  
 Corrosion resistance class CRC 3 to Festo standard FN 940070  
 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.

# Multi-position cylinders ADNM, standard port pattern

FESTO

Accessories

## Swivel flange

SNCS/CRSNCS/SNCS-...-R3

Materials:

SNCS 40: Die-cast aluminium

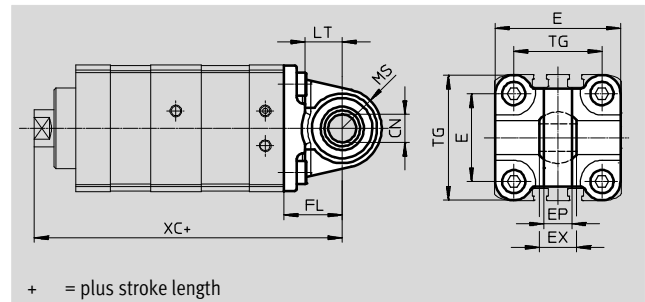
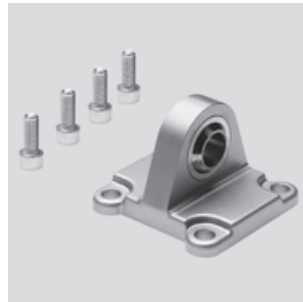
SNCS 63 ... 100: Wrought aluminium alloy

CRSNCS 40 ... 63:

High-alloy stainless steel

SNCS-...-R3 100: Wrought aluminium alloy with protective coating

RoHS-compliant



| Dimensions and ordering data |                      |                |                    |                    |      |    |      |    |
|------------------------------|----------------------|----------------|--------------------|--------------------|------|----|------|----|
| For Ø                        | CN<br>Ø              |                | E                  |                    | EP   | EX | FL   | LT |
| [mm]                         | ADNM-...             | ADNM-...-R3    | ADNM-...           | ADNM-...-R3        | ±0.2 |    | ±0.2 |    |
| 40                           | 12 <sup>+0.015</sup> | 12+0.018/−0.04 | 54 <sub>−0.5</sub> | 54 <sub>−0.5</sub> | 12   | 16 | 25   | 16 |
| 63                           | 16 <sup>+0.015</sup> | 16+0.018/−0.04 | 74,5±0.5           | 75 <sub>−0.6</sub> | 15   | 21 | 32   | 21 |
| 100                          | 20 <sup>+0.018</sup> | 20+0.021/−0.04 | 109+1/−0.7         | 109+1/−0.7         | 18   | 25 | 41   | 27 |

| For Ø | MS                 |                    | TG   | XC <sup>1)</sup> |       |       |       |
|-------|--------------------|--------------------|------|------------------|-------|-------|-------|
|       | ADNM-...           | ADNM-...-R3        |      |                  |       |       |       |
| [mm]  |                    |                    |      | 2                | 3     | 4     | 5     |
| 40    | 17 <sup>+0.5</sup> | 17 <sup>+0.5</sup> | 38   | 129.6            | 168.9 | 210.2 | 253.2 |
| 63    | 23 <sub>-0.5</sub> | 22 <sup>+0.5</sup> | 56.5 | 146.6            | 189.0 | 233.4 | 279.5 |
| 100   | 30 <sup>±0.5</sup> | 30 <sup>±0.5</sup> | 89   | 188.9            | 240.8 | 294.9 | 350.7 |

| For Ø | Basic version     |            |               |                 | High corrosion protection |            |                |                    |
|-------|-------------------|------------|---------------|-----------------|---------------------------|------------|----------------|--------------------|
|       | CRC <sup>2)</sup> | Weight [g] | Part No.      | Type            | CRC <sup>2)</sup>         | Weight [g] | Part No.       | Type               |
| [mm]  |                   |            |               |                 |                           |            |                |                    |
| 40    | 1                 | 122        | <b>174398</b> | <b>SNCS-40</b>  | 4                         | 239        | <b>2895921</b> | <b>CRSNCS-40</b>   |
| 63    | 2                 | 281        | <b>174400</b> | <b>SNCS-63</b>  | 4                         | 576        | <b>2895923</b> | <b>CRSNCS-63</b>   |
| 100   | 2                 | 683        | <b>174402</b> | <b>SNCS-100</b> | 3                         | 684        | <b>2895925</b> | <b>SNCS-100-R3</b> |

1) Number of positions

2 = + pos. Z1 + pos. Z2

3 = + pos. Z1 + pos. Z2 + pos. Z3

4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4

5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

2) Corrosion resistance class CRC 1 to Festo standard FN 940070

Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Corrosion resistance class CRC 3 to Festo standard FN 940070

High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.

Corrosion resistance class CRC 4 to Festo standard FN 940070

Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (➔ also FN 940082) using appropriate media.

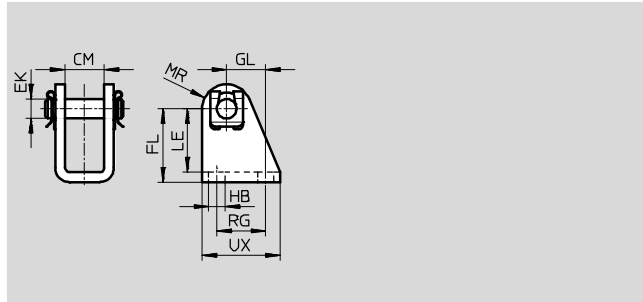
# Multi-position cylinders ADNM, standard port pattern

FESTO

Accessories

## Clevis foot LBN

Material:  
Galvanised steel  
Free of copper and PTFE  
RoHS-compliant

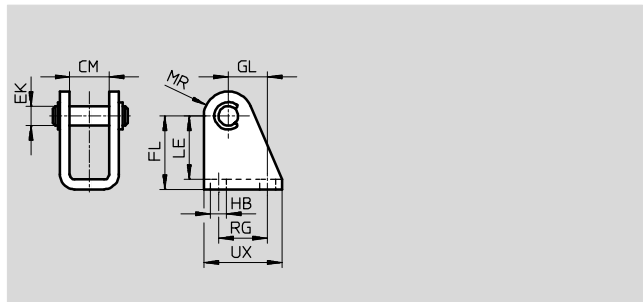


| Dimensions and ordering data |      |         |              |    |         |    |    |    |    |                   |        |          |           |
|------------------------------|------|---------|--------------|----|---------|----|----|----|----|-------------------|--------|----------|-----------|
| For Ø                        | CM   | EK<br>Ø | FL           | GL | HB<br>Ø | LE | MR | RG | UX | CRC <sup>1)</sup> | Weight | Part No. | Type      |
| [mm]                         |      |         |              |    |         |    |    |    |    |                   | [g]    |          |           |
| 25                           | 16.1 | 8       | 30 +0.4/-0.2 | 16 | 6.6     | 26 | 10 | 20 | 32 | 1                 | 84     | 6059     | LBN-20/25 |

- 1) Corrosion resistance class CRC 1 to Festo standard FN 940070  
Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).

## Clevis foot CRLBN, stainless steel

Material:  
High-alloy steel  
Free of copper and PTFE  
RoHS-compliant



| Dimensions and ordering data |      |         |              |    |     |    |    |    |    |                   |        |          |             |
|------------------------------|------|---------|--------------|----|-----|----|----|----|----|-------------------|--------|----------|-------------|
| For Ø                        | CM   | EK<br>Ø | FL           | GL | HB  | LE | MR | RG | UX | CRC <sup>1)</sup> | Weight | Part No. | Type        |
| [mm]                         |      |         |              |    |     |    |    |    |    |                   | [g]    |          |             |
| 25                           | 16.1 | 8       | 30 +0.4/-0.2 | 16 | 6.6 | 26 | 10 | 20 | 32 | 4                 | 82     | 161863   | CRLBN-20/25 |

- 1) Corrosion resistance class CRC 4 to Festo standard FN 940070  
Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (→ also FN 940082) using appropriate media.

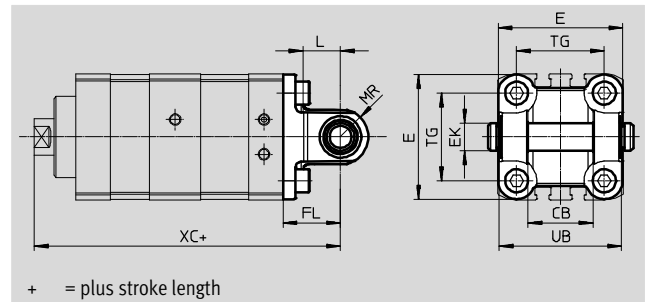
# Multi-position cylinders ADNM, standard port pattern

FESTO

Accessories

## Swivel flange SNCB/SNCB-...-R3

Material:  
SNCB: Die-cast aluminium  
SNCB-...-R3: Die-cast aluminium with protective coating  
Free of copper and PTFE  
RoHS-compliant



| Dimensions and ordering data |     |     |         |      |    |      |      |     |                  |       |       |       |
|------------------------------|-----|-----|---------|------|----|------|------|-----|------------------|-------|-------|-------|
| For Ø                        | CB  | E   | EK<br>Ø | FL   | L  | MR   | TG   | UB  | XC <sup>1)</sup> |       |       |       |
| [mm]                         | H14 |     | H9/e8   | ±0.2 |    | -0.5 |      | h14 | 2                | 3     | 4     | 5     |
| 40                           | 28  | 54  | 12      | 25   | 16 | 12   | 38   | 52  | 129.6            | 168.9 | 210.2 | 253.2 |
| 63                           | 40  | 75  | 16      | 32   | 21 | 16   | 56.5 | 70  | 146.6            | 189.0 | 233.4 | 279.5 |
| 100                          | 60  | 110 | 20      | 41   | 27 | 20   | 89   | 110 | 188.9            | 240.8 | 294.9 | 350.7 |

| For Ø<br>[mm] | Basic version     |               |          |          | R3 – High corrosion protection |               |          |             |
|---------------|-------------------|---------------|----------|----------|--------------------------------|---------------|----------|-------------|
|               | CRC <sup>2)</sup> | Weight<br>[g] | Part No. | Type     | CRC <sup>2)</sup>              | Weight<br>[g] | Part No. | Type        |
| 40            | 1                 | 155           | 174391   | SNCB-40  | 3                              | 151           | 176945   | SNCB-40-R3  |
| 63            | 1                 | 375           | 174393   | SNCB-63  | 3                              | 371           | 176947   | SNCB-63-R3  |
| 100           | 1                 | 1035          | 174395   | SNCB-100 | 3                              | 986           | 176949   | SNCB-100-R3 |

- 1) Number of positions  
 2 = + pos. Z1 + pos. Z2  
 3 = + pos. Z1 + pos. Z2 + pos. Z3  
 4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4  
 5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

- 2) Corrosion resistance class CRC 1 to Festo standard FN 940070  
 Low corrosion stress. For dry indoor applications or transport and storage protection. Also applies to parts behind covers, in the non-visible interior area, and parts which are covered in the application (e.g. drive trunnions).  
 Corrosion resistance class CRC 3 to Festo standard FN 940070  
 High corrosion stress. Outdoor exposure under moderate corrosive conditions. External visible parts with primarily functional requirements for the surface and which are in direct contact with a normal industrial environment.

# Multi-position cylinders ADN, standard port pattern

Accessories

FESTO

## Trunnion flange ZNCF/CRZNG

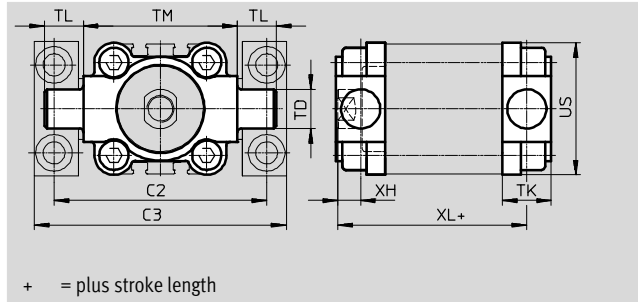
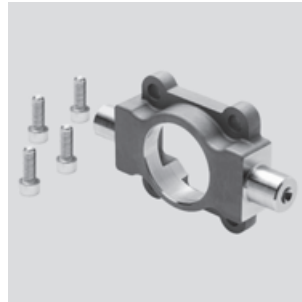
Material:

ZNCF: Stainless steel casting

CRZNG: Electropolished stainless steel casting

Free of copper and PTFE

RoHS-compliant



### Dimensions and ordering data

| For Ø | C2  | C3  | TD      | TK | TL | TM  | US  | XH      | XL <sup>1)</sup> |       |       |       |
|-------|-----|-----|---------|----|----|-----|-----|---------|------------------|-------|-------|-------|
| [mm]  |     |     | Ø<br>e9 |    |    |     |     |         | 2                | 3     | 4     | 5     |
| 40    | 87  | 105 | 16      | 20 | 16 | 63  | 54  | 8.4±1   | 114.6            | 153.9 | 195.2 | 238.2 |
| 63    | 116 | 136 | 20      | 24 | 20 | 90  | 75  | 9.3±1.2 | 126.6            | 169.0 | 213.4 | 259.5 |
| 100   | 164 | 189 | 25      | 38 | 25 | 132 | 110 | 8±1.2   | 166.9            | 218.8 | 272.9 | 328.7 |

| For Ø | Basic version     |        |               |                 | R3 – High corrosion protection |        |               |                  |
|-------|-------------------|--------|---------------|-----------------|--------------------------------|--------|---------------|------------------|
|       | CRC <sup>2)</sup> | Weight | Part No.      | Type            | CRC <sup>2)</sup>              | Weight | Part No.      | Type             |
| [mm]  |                   | [g]    |               |                 |                                | [g]    |               |                  |
| 40    | 2                 | 285    | <b>174412</b> | <b>ZNCF-40</b>  | 4                              | 285    | <b>161853</b> | <b>CRZNG-40</b>  |
| 63    | 2                 | 687    | <b>174414</b> | <b>ZNCF-63</b>  | 4                              | 687    | <b>161855</b> | <b>CRZNG-63</b>  |
| 100   | 2                 | 2254   | <b>174416</b> | <b>ZNCF-100</b> | 4                              | 2254   | <b>161857</b> | <b>CRZNG-100</b> |

1) Number of positions

2 = + pos. Z1 + pos. Z2

3 = + pos. Z1 + pos. Z2 + pos. Z3

4 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4

5 = + pos. Z1 + pos. Z2 + pos. Z3 + pos. Z4 + pos. Z5

2) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

Corrosion resistance class CRC 4 to Festo standard FN 940070

Particularly high corrosion stress. Outdoor exposure under extreme corrosive conditions. Parts exposed to aggressive media, for instance in the chemical or food industries. These applications may need to be supported by special tests (➔ also FN 940082) using appropriate media.

## Trunnion support LNKG

Material:

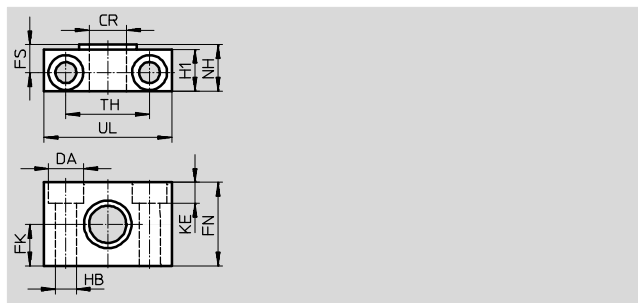
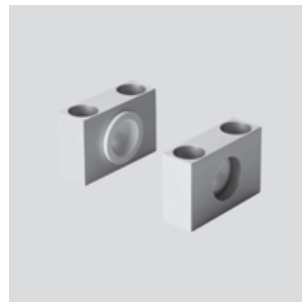
Trunnion support:

Anodised aluminium

Plain bearing: Plastic

Free of copper and PTFE

RoHS-compliant



### Dimensions and ordering data

| For Ø | CR       | DA       | FK        | FN | FS | H1   | HB       | KE | NH   | TH   | UL | CRC <sup>1)</sup> | Weight | Part No.     | Type                |
|-------|----------|----------|-----------|----|----|------|----------|----|------|------|----|-------------------|--------|--------------|---------------------|
| [mm]  | Ø<br>D11 | Ø<br>H13 | Ø<br>±0.1 |    |    |      | Ø<br>H13 |    |      | ±0.2 |    |                   | [g]    |              |                     |
| 40    | 16       | 15       | 18        | 36 | 12 | 18   | 9        | 9  | 21   | 36   | 55 | 2                 | 129    | <b>32960</b> | <b>LNKG-40/50</b>   |
| 63    | 20       | 18       | 20        | 40 | 13 | 20   | 11       | 11 | 23   | 42   | 65 | 2                 | 178    | <b>32961</b> | <b>LNKG-63/80</b>   |
| 100   | 25       | 20       | 25        | 50 | 16 | 24.5 | 14       | 13 | 28.5 | 50   | 75 | 2                 | 306    | <b>32962</b> | <b>LNKG-100/125</b> |

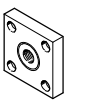
1) Corrosion resistance class CRC 2 to Festo standard FN 940070

Moderate corrosion stress. Indoor applications in which condensation may occur. External visible parts with primarily decorative requirements for the surface and which are in direct contact with the ambient atmosphere typical for industrial applications.

# Multi-position cylinders ADN, standard port pattern

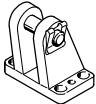
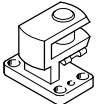
FESTO

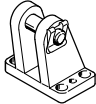
Accessories

| Ordering data – Piston rod attachments                                            |       |          |              | Technical data → Internet: piston rod attachment                                  |       |          |              |
|-----------------------------------------------------------------------------------|-------|----------|--------------|-----------------------------------------------------------------------------------|-------|----------|--------------|
| Designation                                                                       | For Ø | Part No. | Type         | Designation                                                                       | For Ø | Part No. | Type         |
| Rod eye SGS                                                                       |       |          |              | Rod clevis SGA for rod eye SGS                                                    |       |          |              |
|  | 25    | 9255     | SGS-M8       |  | 25    | –        |              |
|                                                                                   | 40    | 9262     | SGS-M12x1,25 |                                                                                   | 40    | 10767    | SGA-M12x1,25 |
|                                                                                   | 63    | 9263     | SGS-M16x1,5  |                                                                                   | 63    | 10768    | SGA-M16x1,5  |
|                                                                                   | 100   | 9264     | SGS-M20x1,5  |                                                                                   | 100   | 10769    | SGA-M20x1,5  |
| Rod clevis SG                                                                     |       |          |              | Self-aligning rod coupler FK                                                      |       |          |              |
|  | 25    | 3111     | SG-M8        |  | 25    | 2062     | FK-M8        |
|                                                                                   | 40    | 6145     | SG-M12x1,25  |                                                                                   | 40    | 6141     | FK-M12x1,25  |
|                                                                                   | 63    | 6146     | SG-M16x1,5   |                                                                                   | 63    | 6142     | FK-M16x1,5   |
|  | 100   | 6147     | SG-M20x1,5   |                                                                                   | 100   | 6143     | FK-M20x1,5   |
| Coupling piece KSG                                                                |       |          |              |                                                                                   |       |          |              |
|  | 25    | –        |              |                                                                                   |       |          |              |
|                                                                                   | 40    | 32964    | KSG-M12x1,25 |                                                                                   |       |          |              |
|                                                                                   | 63    | 32965    | KSG-M16x1,5  |                                                                                   |       |          |              |
|                                                                                   | 100   | 32966    | KSG-M20x1,5  |                                                                                   |       |          |              |

| Ordering data – Corrosion and acid-resistant piston rod attachments                 |       |          |                | Technical data → Internet: piston rod attachment                                    |       |          |               |
|-------------------------------------------------------------------------------------|-------|----------|----------------|-------------------------------------------------------------------------------------|-------|----------|---------------|
| Designation                                                                         | For Ø | Part No. | Type           | Designation                                                                         | For Ø | Part No. | Type          |
| Rod eye CRS GS                                                                      |       |          |                | Rod clevis CRS G                                                                    |       |          |               |
|  | 25    | 195581   | CRSGS-M8       |  | 25    | 13568    | CRSG-M8       |
|                                                                                     | 40    | 195583   | CRSGS-M12x1,25 |                                                                                     | 40    | 13570    | CRSG-M12x1,25 |
|                                                                                     | 63    | 195584   | CRSGS-M16x1,5  |                                                                                     | 63    | 13571    | CRSG-M16x1,5  |
|                                                                                     | 100   | 195585   | CRSGS-M20x1,5  |                                                                                     | 100   | 13572    | CRSG-M20x1,5  |
| Self-aligning rod coupler CRFK                                                      |       |          |                |                                                                                     |       |          |               |
|  | 40    | 2305779  | CRFK-M12x1,25  |                                                                                     |       |          |               |
|                                                                                     | 63    | 2490673  | CRFK-M16x1,5   |                                                                                     |       |          |               |
|                                                                                     | 100   | 2545677  | CRFK-M20x1,5   |                                                                                     |       |          |               |

 Note  
Piston rod attachments for cylinders with special piston rod thread (variant K5) → [www.festo.com](http://www.festo.com)

| Ordering data – Mounting attachments                                                |       |          |         | Technical data → Internet: clevis foot                                              |       |          |         |
|-------------------------------------------------------------------------------------|-------|----------|---------|-------------------------------------------------------------------------------------|-------|----------|---------|
| Designation                                                                         | For Ø | Part No. | Type    | Designation                                                                         | For Ø | Part No. | Type    |
| Clevis foot LBG for rod eye SGS                                                     |       |          |         | Right-angle clevis foot LQG for rod eye SGS                                         |       |          |         |
|  | 25    | –        |         |  | 25    | –        |         |
|                                                                                     | 40    | 31762    | LBG-40  |                                                                                     | 40    | 31769    | LQG-40  |
|                                                                                     | 63    | 31764    | LBG-63  |                                                                                     | 63    | 31771    | LQG-63  |
|                                                                                     | 100   | 31766    | LBG-100 |                                                                                     | 100   | 31773    | LQG-100 |

| Ordering data – Mounting attachments, high corrosion protection                     |       |          |            |
|-------------------------------------------------------------------------------------|-------|----------|------------|
| Designation                                                                         | For Ø | Part No. | Type       |
| Clevis foot LBG-R3 for rod eye SGS                                                  |       |          |            |
|  | 40    | 2078792  | LBG-40-R3  |
|                                                                                     | 63    | 2078795  | LBG-63-R3  |
|                                                                                     | 100   | 2078799  | LBG-100-R3 |

## Multi-position cylinders ADNM, standard port pattern

Accessories

**FESTO**

| Ordering data – One-way flow control valves                                       |            |                 |              | Technical data → Internet: grla |                 |
|-----------------------------------------------------------------------------------|------------|-----------------|--------------|---------------------------------|-----------------|
|                                                                                   | Connection |                 | Material     | Part No.                        | Type            |
|                                                                                   | For Ø      | For tubing O.D. |              |                                 |                 |
| For exhaust air                                                                   |            |                 |              |                                 |                 |
|  | 25, 40     | 3               | Metal design | 193137                          | GRLA-M5-QS-3-D  |
|                                                                                   |            | 4               |              | 193138                          | GRLA-M5-QS-4-D  |
|                                                                                   | 63, 100    | 4               |              | 193143                          | GRLA-1/8-QS-4-D |
|                                                                                   |            | 6               |              | 193144                          | GRLA-1/8-QS-6-D |
|                                                                                   |            | 8               |              | 193145                          | GRLA-1/8-QS-8-D |
|                                                                                   |            |                 |              |                                 |                 |

| Ordering data – Proximity sensors for T-slot, magneto-resistive                     |                                                                              |               |                       |                  | Technical data → Internet: smt |                           |
|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------|---------------|-----------------------|------------------|--------------------------------|---------------------------|
|                                                                                     | Type of mounting                                                             | Switch output | Electrical connection | Cable length [m] | Part No.                       | Type                      |
| N/O contact                                                                         |                                                                              |               |                       |                  |                                |                           |
|    | Insertable in the slot from above, flush with cylinder profile, short design | PNP           | Cable, 3-wire         | 2.5              | 574335                         | SMT-8M-A-PS-24V-E-2,5-OE  |
|                                                                                     |                                                                              |               | Plug M8x1, 3-pin      | 0.3              | 574334                         | SMT-8M-A-PS-24V-E-0,3-M8D |
|                                                                                     |                                                                              |               | Plug M12x1, 3-pin     | 0.3              | 574337                         | SMT-8M-A-PS-24V-E-0,3-M12 |
|                                                                                     |                                                                              | NPN           | Cable, 3-wire         | 2.5              | 574338                         | SMT-8M-A-NS-24V-E-2,5-OE  |
|                                                                                     |                                                                              |               | Plug M8x1, 3-pin      | 0.3              | 574339                         | SMT-8M-A-NS-24V-E-0,3-M8D |
|                                                                                     |                                                                              |               |                       |                  |                                |                           |
| N/C contact                                                                         |                                                                              |               |                       |                  |                                |                           |
|  | Insertable in the slot from above, flush with cylinder profile, short design | PNP           | Cable, 3-wire         | 7.5              | 574340                         | SMT-8M-A-PO-24V-E-7,5-OE  |

| Ordering data – Proximity sensors for T-slot, magnetic reed                         |                                                                    |                  |                       |                  | Technical data → Internet: sme |                         |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------|-----------------------|------------------|--------------------------------|-------------------------|
|                                                                                     | Type of mounting                                                   | Switching output | Electrical connection | Cable length [m] | Part No.                       | Type                    |
| N/O contact                                                                         |                                                                    |                  |                       |                  |                                |                         |
|  | Insertable in the slot from above, flush with the cylinder profile | Contacting       | Cable, 3-wire         | 2.5              | 543862                         | SME-8M-DS-24V-K-2,5-OE  |
|                                                                                     |                                                                    |                  |                       | 5.0              | 543863                         | SME-8M-DS-24V-K-5,0-OE  |
|                                                                                     |                                                                    |                  | Cable, 2-wire         | 2.5              | 543872                         | SME-8M-ZS-24V-K-2,5-OE  |
|                                                                                     |                                                                    |                  | Plug M8x1, 3-pin      | 0.3              | 543861                         | SME-8M-DS-24V-K-0,3-M8D |
|  | Insertable in the slot lengthwise, flush with the cylinder profile | Contacting       | Cable, 3-wire         | 2.5              | 150855                         | SME-8-K-LED-24          |
|                                                                                     |                                                                    |                  | Plug M8x1, 3-pin      | 0.3              | 150857                         | SME-8-S-LED-24          |
|                                                                                     |                                                                    |                  |                       |                  |                                |                         |
| N/C contact                                                                         |                                                                    |                  |                       |                  |                                |                         |
|  | Insertable in the slot lengthwise, flush with the cylinder profile | Contacting       | Cable, 3-wire         | 7.5              | 160251                         | SME-8-O-K-LED-24        |

| Ordering data – Connecting cables                                                   |                               |                              |                  | Technical data → Internet: nebu |                      |
|-------------------------------------------------------------------------------------|-------------------------------|------------------------------|------------------|---------------------------------|----------------------|
|                                                                                     | Electrical connection, left   | Electrical connection, right | Cable length [m] | Part No.                        | Type                 |
|  | Straight socket, M8x1, 3-pin  | Cable, open end, 3-wire      | 2.5              | 541333                          | NEBU-M8G3-K-2.5-LE3  |
|                                                                                     |                               |                              | 5                | 541334                          | NEBU-M8G3-K-5-LE3    |
|                                                                                     | Straight socket, M12x1, 5-pin | Cable, open end, 3-wire      | 2.5              | 541363                          | NEBU-M12G5-K-2.5-LE3 |
|                                                                                     |                               |                              | 5                | 541364                          | NEBU-M12G5-K-5-LE3   |
|  | Angled socket, M8x1, 3-pin    | Cable, open end, 3-wire      | 2.5              | 541338                          | NEBU-M8W3-K-2.5-LE3  |
|                                                                                     |                               |                              | 5                | 541341                          | NEBU-M8W3-K-5-LE3    |
|                                                                                     | Angled socket, M12x1, 5-pin   | Cable, open end, 3-wire      | 2.5              | 541367                          | NEBU-M12W5-K-2.5-LE3 |
|                                                                                     |                               |                              | 5                | 541370                          | NEBU-M12W5-K-5-LE3   |

## Multi-position cylinders ADN, standard port pattern

**FESTO**

Accessories

| Ordering data – Block-shaped proximity sensors, pneumatic                         |                      |  | Technical data → Internet: smpo |                |
|-----------------------------------------------------------------------------------|----------------------|--|---------------------------------|----------------|
|                                                                                   | Pneumatic connection |  | Part No.                        | Type           |
| 3/2-way valve, normally closed                                                    |                      |  |                                 |                |
|  | Female thread M5     |  | <b>178563</b>                   | <b>SMPO-8E</b> |

| Ordering data – Mounting kit for proximity sensors SMPO-8E                        |                   |  | Technical data → Internet: smb |               |
|-----------------------------------------------------------------------------------|-------------------|--|--------------------------------|---------------|
|                                                                                   | Mounting          |  | Part No.                       | Type          |
|  | Clamped in T-slot |  | <b>178230</b>                  | <b>SMB-8E</b> |

| Ordering data – Slot cover for T-slot                                             |            |          |               |                |
|-----------------------------------------------------------------------------------|------------|----------|---------------|----------------|
|                                                                                   | Mounting   | Length   | Part No.      | Type           |
|  | Insertable | 2x 0.5 m | <b>151680</b> | <b>ABP-5-S</b> |

Festo - Your Partner in Automation



**1 Festo Inc.**  
5300 Explorer Drive  
Mississauga, ON L4W 5G4  
Canada

**Festo Customer Interaction Center**  
Tel: 1 877 463 3786  
Fax: 1 877 393 3786  
Email: customer.service.ca@festo.com



**2 Festo Pneumatic**  
Av. Ceylán 3,  
Col. Tequesquináhuac  
54020 Tlalnepantla,  
Estado de México

**Multinational Contact Center**  
01 800 337 8669  
ventas.mexico@festo.com



**3 Festo Corporation**  
1377 Motor Parkway  
Suite 310  
Islandia, NY 11749

**Festo Customer Interaction Center**  
1 800 993 3786  
1 800 963 3786  
customer.service.us@festo.com



**4 Regional Service Center**  
7777 Columbia Road  
Mason, OH 45040

Connect with us

[www.festo.com/socialmedia](http://www.festo.com/socialmedia)



[www.festo.com](http://www.festo.com)

Subject to change