

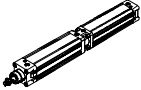
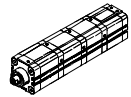


- Force multiplication
- Variant with heat-resistant seals for temperatures up to 150 °C
- Profile slots for proximity sensors

Tandem cylinders

Product range overview



| Function | Version | Type | Piston \varnothing [mm] | Stroke [mm] | Position sensing A |
|------------------------|---|-------|------------------------------|----------------|-----------------------|
| Double-acting | Max. 2 cylinders | | | | |
| |  | DNCT | 32, 40, 50 | 2 ... 500 | ■ |
| | | | 63, 80, 100, 125 | 3 ... 500 | |
| | Max. 4 cylinders | | | | |
| |  | ADVUT | 2x 25, 3x 25, 4x 25 | 1 ... 150 | ■ |
| | | | 2x 40, 3x 40, 4x 40 | 1 ... 150 | |
| 2x 63, 3x 63, 4x 63 | | | 1 ... 150 | | |
| 2x 100, 3x 100, 4x 100 | | | 1 ... 150 | | |

By connecting 2, 3 or 4 cylinders with the same piston diameter and stroke in series, the force in the advance stroke (thrust) can be doubled, tripled or quadrupled in comparison to a standard cylinder.

Special features

DNCT

- The DNCT has adjustable end position cushioning.
- Like the thrust, the force in the return stroke is double that of a single cylinder with corresponding piston diameter.

ADVUT

- In the ADVUT, the internal distribution of compressed air means that only 2 connections are required to pressurise all cylinders.
- The force in the return stroke corresponds to that of a single cylinder with corresponding piston diameter.

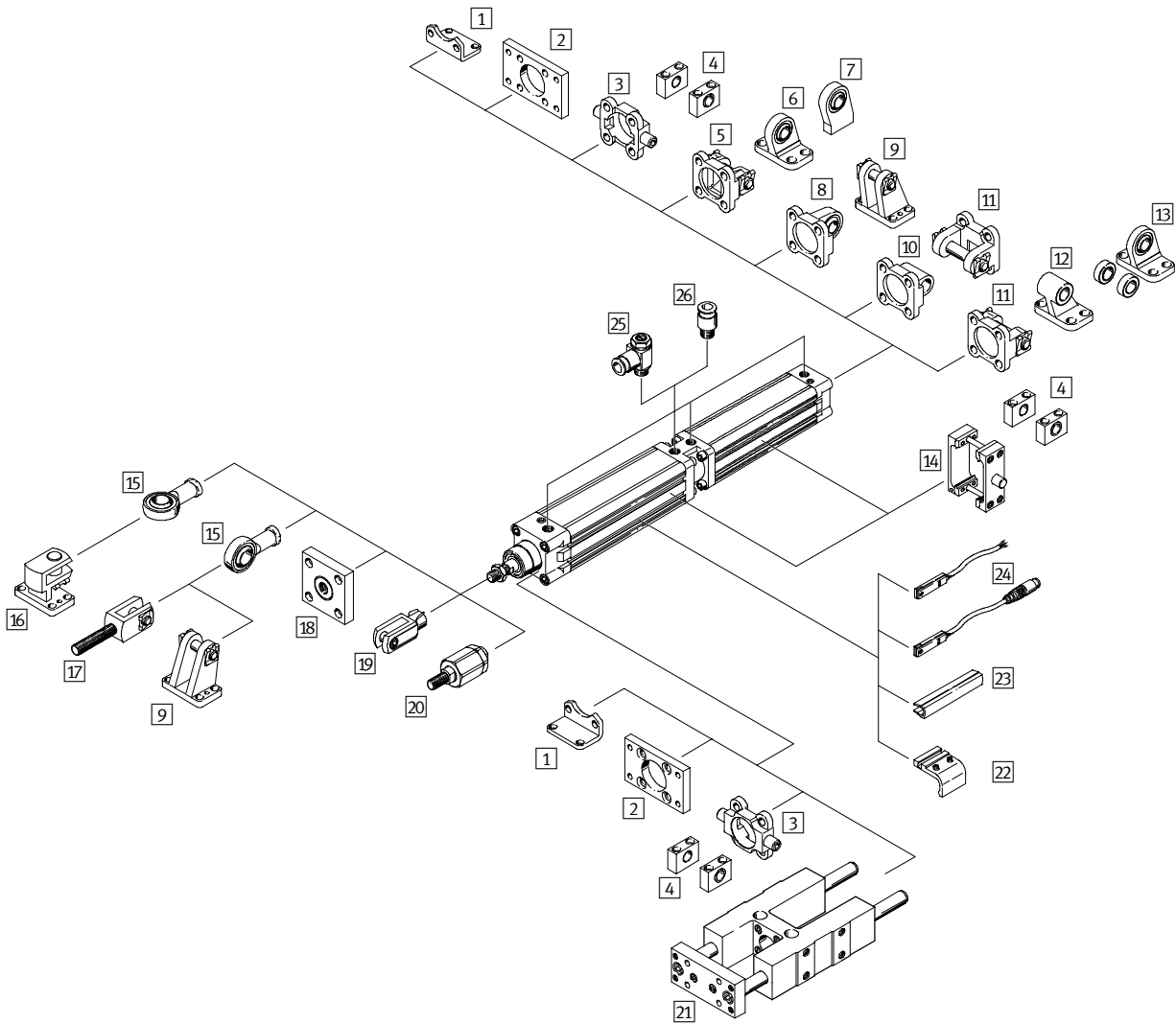
Tandem cylinders

Product range overview

| Type | Piston rod | | Cushioning | | Heat resistant up to 150 °C S6 | → Page |
|-------------------------|--------------------|------------------|---------------------|-------------------|--------------------------------------|------------|
| | With female thread | With male thread | Non-adjustable P | Adjustable PPV | | |
| Max. 2 cylinders | | | | | | |
| DNCT | - | ■ | - | ■ | ■ | 1 / 5.7-4 |
| Max. 4 cylinders | | | | | | |
| ADVUT | ■ | ■ | ■ | - | ■ | 1 / 5.7-20 |

Tandem cylinders DNCT, standard port pattern

Peripherals overview



Special-function drives
Tandem/high-power cylinders

5.7

Tandem cylinders DNCT, standard port pattern

Peripherals overview

FESTO

| Mounting attachments and accessories | | |
|--------------------------------------|------------------------------------|--|
| | Brief description | → Page |
| 1 | Foot mounting HNC | For bearing and end caps 1 / 5.7-10 |
| 2 | Flange mounting FNC | For bearing or end caps 1 / 5.7-10 |
| 3 | Trunnion flange ZNCF | For bearing or end caps 1 / 5.7-11 |
| 4 | Trunnion support LNZG | – 1 / 5.7-13 |
| 5 | Swivel flange SNC | For end caps 1 / 5.7-13 |
| 6 | Clevis foot LSNG | With spherical bearing 1 / 5.7-16 |
| 7 | Clevis foot LSNSG | Weld-on, with spherical bearing 1 / 5.7-16 |
| 8 | Swivel flange SNCS | With spherical bearing for end caps 1 / 5.7-14 |
| 9 | Clevis foot LBG | – 1 / 5.7-16 |
| 10 | Swivel flange SNCL | For end caps 1 / 5.7-15 |
| 11 | Swivel flange SNCB | For end caps 1 / 5.7-14 |
| 12 | Clevis foot LNG | – 1 / 5.7-16 |
| 13 | Clevis foot LSN | With spherical bearing 1 / 5.7-16 |
| 14 | Trunnion mounting kit ZNCM | For mounting anywhere on the cylinder profile barrel 1 / 5.7-12 |
| 15 | Rod eye SGS | With spherical bearing 1 / 5.7-17 |
| 16 | Right-angle clevis foot LQG | – 1 / 5.7-16 |
| 17 | Rod clevis SGA | With male thread 1 / 5.7-17 |
| 18 | Coupling piece KSG | For compensating radial deviations 1 / 5.7-17 |
| 19 | Rod clevis SG | Permits a swivelling movement of the cylinder in one plane 1 / 5.7-17 |
| 20 | Self-aligning rod coupler FK | For compensating radial and angular deviations 1 / 5.7-17 |
| 21 | Guide unit FENG | For protecting standard cylinders from torsion at high torque loads 1 / 5.7-18 |
| 22 | Mounting kit SMB-8-FENG | For proximity sensor SMT-8 when attaching to cylinders in combination with guide unit FENG 1 / 5.7-18 |
| 23 | Slot cover ABP-5-S | To protect the sensor cable and keep dirt out of the sensor slots 1 / 5.7-19 |
| 24 | Proximity sensor SME/SMT-8 | Can be integrated in the cylinder profile barrel 1 / 5.7-19 |
| 25 | One-way flow control valve GRLA | To regulate speed 1 / 5.7-17 |
| 26 | Push-in fitting QS | For connecting compressed air tubing with standard external diameters to CETOP RP 54 P Volume 3 |

Tandem cylinders DNCT, standard port pattern

Type codes



DNCT - 40 - 80 - PPV - A - S6

| Type | |
|---------------|-----------------|
| Double-acting | |
| DNCT | Tandem cylinder |

| Piston \varnothing [mm] |
|---------------------------|
|---------------------------|

| Stroke [mm] |
|-------------|
|-------------|

| Cushioning | |
|------------|-------------------------|
| PPV | Adjustable at both ends |

| Position sensing | |
|------------------|-----------------------|
| A | With proximity sensor |

| Variant | |
|---------|----------------------------|
| S6 | Heat-resistant up to 150°C |

Special-function drives
Tandem/high-power cylinders

5.7

Tandem cylinders DNCT, standard port pattern

FESTO

Technical data

Function



Ø - Diameter
32 ... 125 mm

- | - Stroke length
Ø 32 ... 50:
2 ... 500 mm

Ø 63 ... 125:
3 ... 500 mm

-  - [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)

Variants



S6

Based on standard

■ DIN ISO 6431

■ VDMA 24 562



DIN



| General technical data | | | | | | | |
|------------------------|-------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| Piston Ø | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
| Pneumatic connection | G $\frac{1}{8}$ | G $\frac{1}{4}$ | G $\frac{1}{4}$ | G $\frac{3}{8}$ | G $\frac{3}{8}$ | G $\frac{1}{2}$ | G $\frac{1}{2}$ |
| Piston rod thread | M10x1.25 | M12x1.25 | M16x1.5 | M16x1.5 | M20x1.5 | M20x1.5 | M27x2 |
| Constructional design | Piston | | | | | | |
| | Piston rod | | | | | | |
| | Cylinder barrel | | | | | | |
| Cushioning | Adjustable at both ends | | | | | | |
| Cushioning length [mm] | 20 | 20 | 22 | 22 | 32 | 32 | 42 |
| Position sensing | With proximity sensor | | | | | | |
| Type of mounting | With female thread | | | | | | |
| | Via accessories | | | | | | |
| Mounting position | Any | | | | | | |

| Operating conditions | | | | | | | |
|--------------------------|---|----|----|----|----|-----|-----|
| Piston Ø | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
| Operating medium | Filtered compressed air, lubricated or unlubricated | | | | | | |
| Operating pressure [bar] | 0.6 ... 10 | | | | | | |

| Ambient conditions | | |
|--|---------------|--------------|
| Variant | Basic version | S6 |
| Ambient temperature ¹⁾ [°C] | -20 ... +80 | -20 ... +150 |
| Corrosion resistance class CRC ²⁾ | 2 | 2 |

1) Note operating range of proximity sensors.

2) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

| Forces [N] and impact energy [J] | | | | | | | |
|--|-----|-------|-------|-------|-------|-------|--------|
| Piston Ø | 32 | 40 | 50 | 63 | 80 | 100 | 125 |
| Theoretical force at 6 bar, advancing | 898 | 1,387 | 2,168 | 3,552 | 5,737 | 9,130 | 14,244 |
| Theoretical force at 6 bar, retracting | 830 | 1,266 | 1,980 | 3,364 | 5,442 | 8,836 | 13,762 |
| Max. impact energy at end positions | 0.1 | 0.2 | 0.2 | 0.5 | 0.9 | 1.2 | 5 |

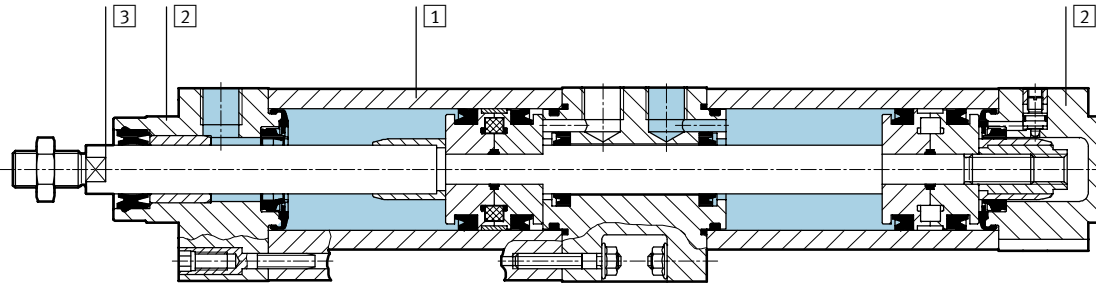
Tandem cylinders DNCT, standard port pattern

Technical data



Materials

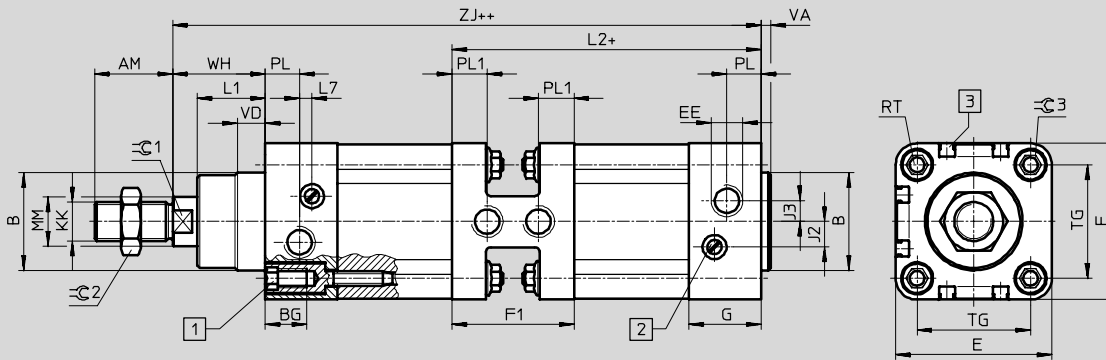
Sectional view



| Variant | Basic version | S6 |
|-----------------------|--|--|
| 1 Cylinder barrel | Wrought aluminium alloy, smooth anodised | Wrought aluminium alloy, smooth anodised |
| 2 Bearing and end cap | Die-cast aluminium | Die-cast aluminium |
| 3 Piston rod | High-alloy steel | High-alloy steel |
| - Seals | Polyurethane, nitrile rubber | Fluorocarbon rubber |

Dimensions

Download CAD data → www.festo.com/en/engineering



- 1 Socket head screw with female thread for mounting attachments
- 2 Regulating screw for adjustable end position cushioning
- 3 Sensor slot for proximity sensor
- + = plus stroke length
- ++ = plus 2x stroke length



| ∅ | AM | B | BG | E | EE | F1 | G | J2 | J3 | KK | L1 | L2 | L7 |
|------|----|-------|----|------|-----------------|------|------|------|-----|----------|------|-------|------|
| [mm] | | ∅ d11 | | | | | | | | | | | |
| 32 | 22 | 30 | 16 | 45.5 | G $\frac{3}{8}$ | 35 | 25.1 | 6 | 5.2 | M10x1.25 | 18 | 104.2 | 3.3 |
| 40 | 24 | 35 | 16 | 54 | G $\frac{1}{4}$ | 47.6 | 29.6 | 8 | 6 | M12x1.25 | 21.5 | 123.5 | 3.6 |
| 50 | 32 | 40 | 17 | 64 | G $\frac{1}{4}$ | 50 | 29.6 | 10.4 | 8.5 | M16x1.5 | 28 | 126.7 | 5.1 |
| 63 | 32 | 45 | 17 | 75 | G $\frac{3}{8}$ | 64.4 | 35.6 | 12.4 | 10 | M16x1.5 | 28.5 | 150 | 6.6 |
| 80 | 40 | 45 | 17 | 93 | G $\frac{3}{8}$ | 68 | 35.9 | 12.5 | 8 | M20x1.5 | 34.7 | 161.7 | 10.5 |
| 100 | 40 | 55 | 17 | 110 | G $\frac{1}{2}$ | 75 | 38.8 | 12 | 10 | M20x1.5 | 38.2 | 178.1 | 8 |
| 125 | 54 | 60 | 22 | 134 | G $\frac{1}{2}$ | 70 | 44.7 | 13 | 8 | M27x2 | 46 | 188.5 | 14 |

| ∅ | MM | PL | PL1 | RT | TG | VA | VD | WH | ZJ | ∅C1 | ∅C2 | ∅C3 |
|------|------|------|------|-----|------|----|------|----------------|-----------------|-----|-----|-----|
| [mm] | ∅ f8 | | | | | | | | | | | |
| 32 | 12 | 15.1 | 9 | M6 | 32.5 | 4 | 10 | 26.2 ±0.7 | 199.6 ±0.7 | 10 | 16 | 6 |
| 40 | 16 | 14 | 13.3 | M6 | 38 | 4 | 10.5 | 30 +0.7/-0.9 | 229.4 +0.7/-0.9 | 13 | 18 | 6 |
| 50 | 20 | 14 | 14.5 | M8 | 46.5 | 4 | 11.5 | 37.7 +0.7/-0.9 | 241.1 +0.7/-0.9 | 17 | 24 | 8 |
| 63 | 20 | 17 | 17.2 | M8 | 56.5 | 4 | 15 | 38.2 +0.7/-0.9 | 273.9 +0.7/-0.9 | 17 | 24 | 8 |
| 80 | 25 | 16.4 | 19 | M10 | 72 | 4 | 15.7 | 46.2 +0.7/-1.4 | 301.6 +0.7/-1.4 | 22 | 30 | 6 |
| 100 | 25 | 18.8 | 21 | M10 | 89 | 4 | 19.2 | 50.1 +0.7/-1.4 | 331.3 +0.7/-1.4 | 22 | 30 | 6 |
| 125 | 32 | 18 | 18.5 | M12 | 110 | 6 | 20.5 | 65.3 +0.7/-1.4 | 372.3 +0.7/-1.4 | 27 | 36 | 8 |

Tandem cylinders DNCT, standard port pattern

FESTO

Technical data

| Ordering data | | | | |
|---|------------------|----------------|----------|-----------------------|
| Type | Piston Ø [mm] | Stroke [mm] | Part No. | Type |
| Basic version | | | | |
|  | 32 | 2 ... 500 | 191 106 | DNCT-32-...-PPV-A |
| | 40 | 2 ... 500 | 191 107 | DNCT-40-...-PPV-A |
| | 50 | 2 ... 500 | 191 108 | DNCT-50-...-PPV-A |
| | 63 | 3 ... 500 | 191 109 | DNCT-63-...-PPV-A |
| | 80 | 3 ... 500 | 191 110 | DNCT-80-...-PPV-A |
| | 100 | 3 ... 500 | 191 111 | DNCT-100-...-PPV-A |
| | 125 | 3 ... 500 | 191 112 | DNCT-125-...-PPV-A |
| S6 – Heat-resistant seals up to 150 °C | | | | |
|  | 32 | 2 ... 500 | 191 210 | DNCT-32-...-PPV-A-S6 |
| | 40 | 2 ... 500 | 191 211 | DNCT-40-...-PPV-A-S6 |
| | 50 | 2 ... 500 | 191 212 | DNCT-50-...-PPV-A-S6 |
| | 63 | 3 ... 500 | 191 213 | DNCT-63-...-PPV-A-S6 |
| | 80 | 3 ... 500 | 191 214 | DNCT-80-...-PPV-A-S6 |
| | 100 | 3 ... 500 | 191 215 | DNCT-100-...-PPV-A-S6 |
| | 125 | 3 ... 500 | 191 216 | DNCT-125-...-PPV-A-S6 |

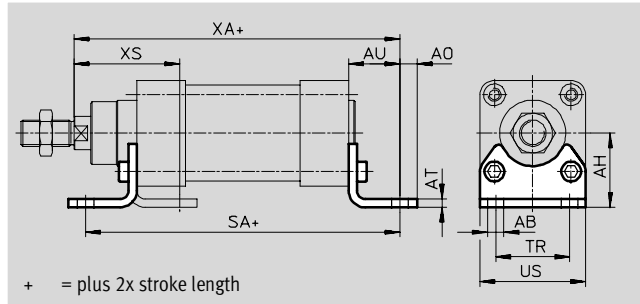
Tandem cylinders DNCT, standard port pattern

Accessories



Foot mounting HNC

Material:
Galvanised steel
Free of copper, PTFE and silicone

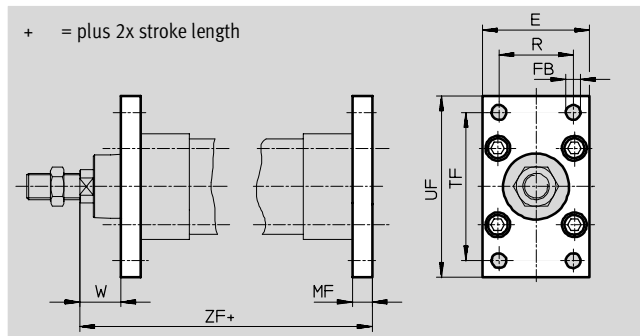


| Dimensions and ordering data | | | | | | | | | | | | | | |
|------------------------------|---------------|----|------|----|----|-------|----|-----|-------|-----|-------------------|--------|----------|---------|
| For \varnothing | AB | AH | AO | AT | AU | SA | TR | US | XA | XS | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | \varnothing | | | | | | | | | | | [g] | | |
| 32 | 7 | 32 | 6.5 | 4 | 24 | 221.4 | 32 | 45 | 223.6 | 45 | 2 | 135 | 174 369 | HNC-32 |
| 40 | 10 | 36 | 9 | 4 | 28 | 255.4 | 36 | 54 | 257.4 | 53 | 2 | 180 | 174 370 | HNC-40 |
| 50 | 10 | 45 | 9.5 | 5 | 32 | 267.4 | 45 | 64 | 273.1 | 62 | 2 | 325 | 174 371 | HNC-50 |
| 63 | 10 | 50 | 12.5 | 5 | 32 | 299.7 | 50 | 75 | 305.9 | 63 | 2 | 405 | 174 372 | HNC-63 |
| 80 | 12 | 63 | 15 | 6 | 41 | 337.4 | 63 | 93 | 342.6 | 81 | 2 | 820 | 174 373 | HNC-80 |
| 100 | 14.5 | 71 | 17.5 | 6 | 41 | 363.2 | 75 | 110 | 372.3 | 86 | 2 | 1 000 | 174 374 | HNC-100 |
| 125 | 16.5 | 90 | 22 | 8 | 45 | 397 | 90 | 131 | 417.3 | 102 | 2 | 1 840 | 174 375 | HNC-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Flange mounting FNC

Material:
Galvanised steel
Free of copper, PTFE and silicone



| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|-----|----------------------|----|----|-----|-----|----|-------|-------------------|--------|----------|---------|
| For \varnothing | E | FB | MF | R | TF | UF | W | ZF | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | | \varnothing H13 | | | | | | | | [g] | | |
| 32 | 45 | 7 | 10 | 32 | 64 | 80 | 16 | 209.6 | 2 | 240 | 174 376 | FNC-32 |
| 40 | 54 | 9 | 10 | 36 | 72 | 90 | 20 | 239.4 | 2 | 280 | 174 377 | FNC-40 |
| 50 | 65 | 9 | 12 | 45 | 90 | 110 | 25 | 253.1 | 2 | 520 | 174 378 | FNC-50 |
| 63 | 75 | 9 | 12 | 50 | 100 | 120 | 25 | 285.9 | 2 | 690 | 174 379 | FNC-63 |
| 80 | 93 | 12 | 16 | 63 | 126 | 150 | 30 | 317.6 | 2 | 1 650 | 174 380 | FNC-80 |
| 100 | 110 | 14 | 16 | 75 | 150 | 175 | 35 | 347.3 | 2 | 2 400 | 174 381 | FNC-100 |
| 125 | 132 | 16 | 20 | 90 | 180 | 210 | 45 | 392.3 | 2 | 3 750 | 174 382 | FNC-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Core Range

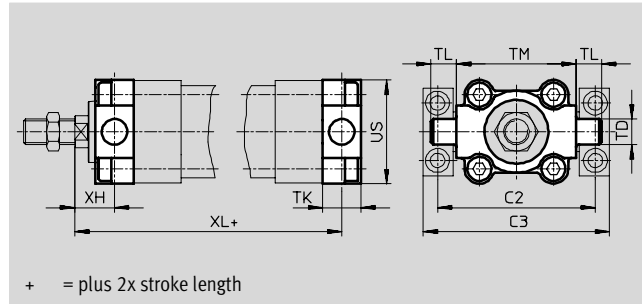
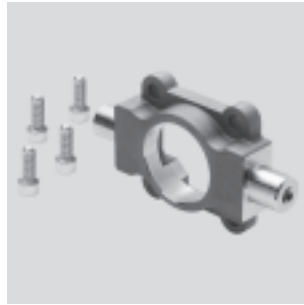
Tandem cylinders DNCT, standard port pattern



Accessories

Trunnion flange ZNCF

Material:
Corrosion resistant cast steel
Free of copper, PTFE and silicone



| Dimensions and ordering data | | | | | | | | | | | | | |
|------------------------------|-----|-----|---------|----|----|-----|-----|----|-------|-------------------|--------|----------|----------|
| For Ø | C2 | C3 | TD | TK | TL | TM | US | XH | XL | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | | | Ø e9 | | | | | | | | [g] | | |
| 32 | 71 | 86 | 12 | 16 | 12 | 50 | 45 | 18 | 207.6 | 2 | 130 | 174 411 | ZNCF-32 |
| 40 | 87 | 105 | 16 | 20 | 16 | 63 | 54 | 20 | 239.4 | 2 | 240 | 174 412 | ZNCF-40 |
| 50 | 99 | 117 | 16 | 24 | 16 | 75 | 64 | 25 | 253.1 | 2 | 390 | 174 413 | ZNCF-50 |
| 63 | 116 | 136 | 20 | 24 | 20 | 90 | 75 | 25 | 285.9 | 2 | 600 | 174 414 | ZNCF-63 |
| 80 | 136 | 156 | 20 | 28 | 20 | 110 | 93 | 32 | 315.6 | 2 | 1 150 | 174 415 | ZNCF-80 |
| 100 | 164 | 189 | 25 | 38 | 25 | 132 | 110 | 32 | 350.3 | 2 | 2 030 | 174 416 | ZNCF-100 |
| 125 | 192 | 217 | 25 | 50 | 25 | 160 | 131 | 40 | 397.3 | 2 | 3 490 | 174 417 | ZNCF-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Tandem cylinders DNCT, standard port pattern

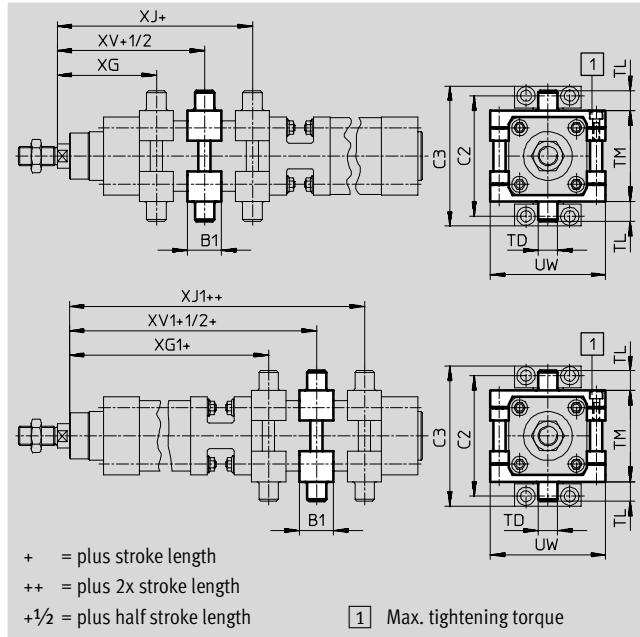
Accessories



Trunnion mounting kit ZNCM

The mounting kit can be attached at any position along the profile barrel of the cylinder.

Material:
Tempered steel



Dimensions and ordering data

| For Ø | B1 | C2 | C3 | TD | TL | TM | UW | XG | XG1 |
|-------|----|-----|-----|---------|----|-----|-----|-------|-------|
| [mm] | | | | Ø e9 | | | | | |
| 32 | 30 | 71 | 86 | 12 | 12 | 50 | 65 | 66.3 | 145.4 |
| 40 | 32 | 87 | 105 | 16 | 16 | 63 | 75 | 75.6 | 169.5 |
| 50 | 34 | 99 | 117 | 16 | 16 | 75 | 95 | 84.3 | 181.4 |
| 63 | 41 | 116 | 136 | 20 | 20 | 90 | 105 | 94.3 | 208.8 |
| 80 | 44 | 136 | 156 | 20 | 20 | 110 | 130 | 104.1 | 229.9 |
| 100 | 48 | 164 | 189 | 25 | 25 | 132 | 145 | 112.9 | 252.2 |
| 125 | 50 | 192 | 217 | 25 | 25 | 160 | 175 | 135 | 278.8 |

| For Ø | XJ | XJ1 | XV | XV1 | Max. tightening torque | CRC ¹⁾ | Weight | Part No. | Type |
|-------|-------|-------|-------|-------|------------------------|-------------------|--------|----------|----------|
| [mm] | | | | | [Nm] | | [g] | | |
| 32 | 80.4 | 159.5 | 73.4 | 152.5 | 4+1 | 2 | 210 | 163 525 | ZNCM-32 |
| 40 | 89.9 | 183.8 | 82.8 | 176.7 | 8+1 | 2 | 385 | 163 526 | ZNCM-40 |
| 50 | 97.4 | 194.5 | 90.9 | 188 | 8+2 | 2 | 595 | 163 527 | ZNCM-50 |
| 63 | 103.4 | 217.8 | 98.9 | 213.3 | 18+2 | 2 | 890 | 163 528 | ZNCM-63 |
| 80 | 117.9 | 243.7 | 111 | 236.8 | 28+2 | 2 | 1 450 | 163 529 | ZNCM-80 |
| 100 | 129.2 | 268.5 | 121.1 | 260.4 | 28+2 | 2 | 2 045 | 163 530 | ZNCM-100 |
| 125 | 158.8 | 302.6 | 146.9 | 290.7 | 40+2 | 2 | 2 940 | 163 531 | ZNCM-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Core Range

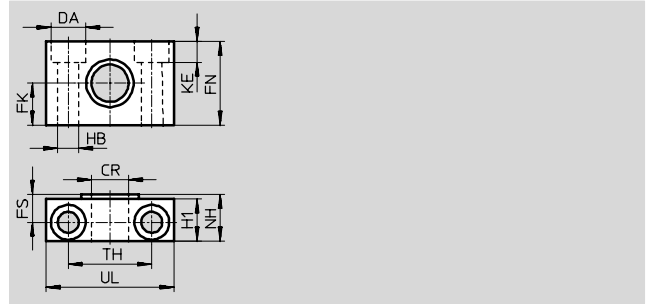
Tandem cylinders DNCT, standard port pattern



Accessories

Trunnion support LNZG

Material:
Galvanised steel
Free of copper, PTFE and silicone



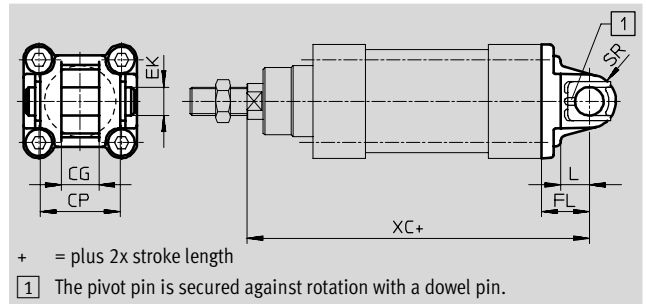
| Dimensions and ordering data | | | | | | | | | | | | | | | |
|------------------------------|-------------------|-------------------|-------------------------|----|------|------|-------------------|-----|------|-----------|----|-------------------|--------|----------|--------------|
| For \varnothing | CR | DA | FK | FN | FS | H1 | HB | KE | NH | TH | UL | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | \varnothing D11 | \varnothing H13 | \varnothing ± 0.1 | | | | \varnothing H13 | | | ± 0.2 | | | [g] | | |
| 32 | 12 | 11 | 15 | 30 | 10.5 | 15 | 6.6 | 6.8 | 18 | 32 | 46 | 2 | 125 | 32 959 | LNZG-32 |
| 40, 50 | 16 | 15 | 18 | 36 | 12 | 18 | 9 | 9 | 21 | 36 | 55 | 2 | 400 | 32 960 | LNZG-40/50 |
| 63, 80 | 20 | 18 | 20 | 40 | 13 | 20 | 11 | 11 | 23 | 42 | 65 | 2 | 480 | 32 961 | LNZG-63/80 |
| 100, 125 | 25 | 20 | 25 | 50 | 16 | 24.5 | 14 | 13 | 28.5 | 50 | 75 | 2 | 960 | 32 962 | LNZG-100/125 |

1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Swivel flange SNC

Material:
Wrought aluminium alloy



| Dimensions and ordering data | | | | | | | | | | | |
|------------------------------|-----|-----|---------------|-----------|----|----|-------|-------------------|--------|----------|---------|
| For \varnothing | CG | CP | EK | FL | L | SR | XC | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | H14 | d12 | \varnothing | ± 0.2 | | | | | [g] | | |
| 32 | 14 | 34 | 10 | 22 | 13 | 10 | 221.6 | 2 | 90 | 174 383 | SNC-32 |
| 40 | 16 | 40 | 12 | 25 | 16 | 12 | 254.4 | 2 | 120 | 174 384 | SNC-40 |
| 50 | 21 | 45 | 16 | 27 | 16 | 16 | 268.1 | 2 | 240 | 174 385 | SNC-50 |
| 63 | 21 | 51 | 16 | 32 | 21 | 16 | 305.9 | 2 | 320 | 174 386 | SNC-63 |
| 80 | 25 | 65 | 20 | 36 | 22 | 20 | 337.6 | 2 | 625 | 174 387 | SNC-80 |
| 100 | 25 | 75 | 20 | 41 | 27 | 20 | 372.3 | 2 | 830 | 174 388 | SNC-100 |
| 125 | 37 | 97 | 30 | 50 | 30 | 30 | 422.3 | 2 | 1 785 | 174 389 | SNC-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Core Range

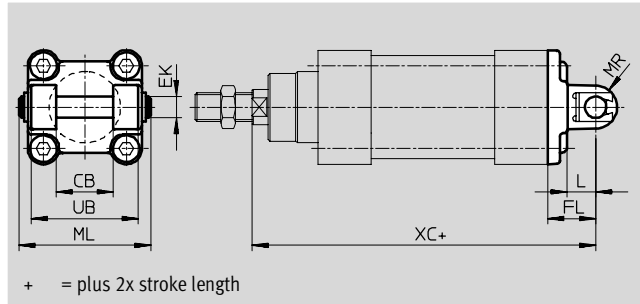
Tandem cylinders DNCT, standard port pattern

Accessories



Swivel flange SNCB

Material:
Wrought aluminium alloy
Free of copper, PTFE and silicone

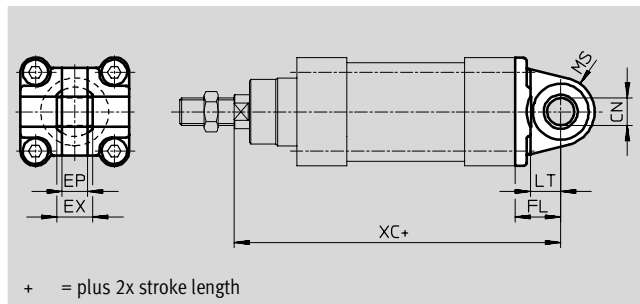
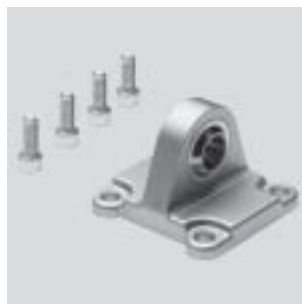


| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|-----|---------------------|-----------|----|-----|----|-----|-------|-------------------|--------|----------|----------|
| For \varnothing | CB | EK | FL | L | ML | MR | UB | XC | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | H14 | \varnothing e8 | ± 0.2 | | | | h14 | | | [g] | | |
| 32 | 26 | 10 | 22 | 13 | 55 | 10 | 45 | 221.6 | 2 | 100 | 174 390 | SNCB-32 |
| 40 | 28 | 12 | 25 | 16 | 63 | 12 | 52 | 254.4 | 2 | 150 | 174 391 | SNCB-40 |
| 50 | 32 | 12 | 27 | 16 | 71 | 12 | 60 | 268.1 | 2 | 225 | 174 392 | SNCB-50 |
| 63 | 40 | 16 | 32 | 21 | 83 | 16 | 70 | 305.9 | 2 | 365 | 174 393 | SNCB-63 |
| 80 | 50 | 16 | 36 | 22 | 103 | 16 | 90 | 337.6 | 2 | 610 | 174 394 | SNCB-80 |
| 100 | 60 | 20 | 41 | 27 | 127 | 20 | 110 | 372.3 | 2 | 925 | 174 395 | SNCB-100 |
| 125 | 70 | 25 | 50 | 30 | 148 | 25 | 130 | 422.3 | 2 | 1 785 | 174 396 | SNCB-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Swivel flange SNCS

Material:
Wrought aluminium alloy



| Dimensions and ordering data | | | | | | | | | | | |
|------------------------------|---------------|------|----|-----------|----|----|-------|-------------------|--------|----------|----------|
| For \varnothing | CN | EP | EX | FL | LT | MS | XC | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | \varnothing | -0.2 | | ± 0.2 | | | | | [g] | | |
| 32 | 10 | 10.5 | 14 | 22 | 13 | 15 | 221.6 | 2 | 85 | 174 397 | SNCS-32 |
| 40 | 12 | 12 | 16 | 25 | 16 | 17 | 254.4 | 2 | 125 | 174 398 | SNCS-40 |
| 50 | 16 | 15 | 21 | 27 | 18 | 20 | 268.1 | 2 | 210 | 174 399 | SNCS-50 |
| 63 | 16 | 15 | 21 | 32 | 21 | 22 | 305.9 | 2 | 280 | 174 400 | SNCS-63 |
| 80 | 20 | 18 | 25 | 36 | 22 | 27 | 337.6 | 2 | 540 | 174 401 | SNCS-80 |
| 100 | 20 | 18 | 25 | 41 | 27 | 29 | 372.3 | 2 | 700 | 174 402 | SNCS-100 |
| 125 | 30 | 25 | 37 | 50 | 30 | 39 | 422.3 | 2 | 1 410 | 174 403 | SNCS-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

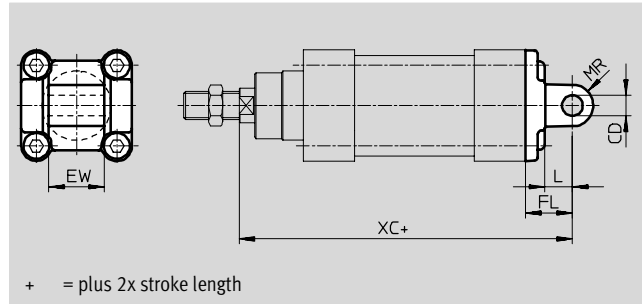
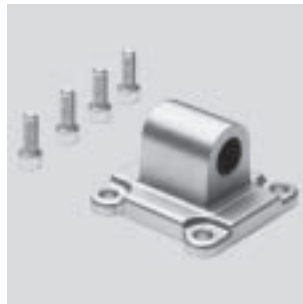
Core Range

Tandem cylinders DNCT, standard port pattern

Accessories

Swivel flange SNCL

Material:
Wrought aluminium alloy
Free of copper, PTFE and silicone



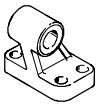
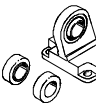
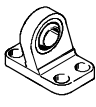

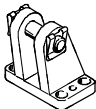
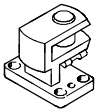
| Dimensions and ordering data | | | | | | | | | | |
|------------------------------|---------------------|-----|-----------|----|----|-------|-------------------|--------|----------------|-----------------|
| For \varnothing | CD \varnothing | EW | FL | L | MR | XC | CRC ¹⁾ | Weight | Part No. | Type |
| [mm] | | h14 | ± 0.2 | | | | | [g] | | |
| 32 | 10 | 26 | 22 | 13 | 10 | 221.6 | 2 | 75 | 174 404 | SNCL-32 |
| 40 | 12 | 28 | 25 | 16 | 12 | 254.4 | 2 | 100 | 174 405 | SNCL-40 |
| 50 | 12 | 32 | 27 | 16 | 12 | 268.1 | 2 | 160 | 174 406 | SNCL-50 |
| 63 | 16 | 40 | 32 | 21 | 16 | 305.9 | 2 | 250 | 174 407 | SNCL-63 |
| 80 | 16 | 50 | 36 | 22 | 16 | 337.6 | 2 | 405 | 174 408 | SNCL-80 |
| 100 | 20 | 60 | 41 | 27 | 20 | 372.3 | 2 | 655 | 174 409 | SNCL-100 |
| 125 | 25 | 70 | 50 | 30 | 25 | 422.3 | 2 | 1 245 | 174 410 | SNCL-125 |

1) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Tandem cylinders DNCT, standard port pattern

Accessories

FESTO

| Ordering data – Mounting attachments | | | | Technical data → 1 / 10.1-2 | | | |
|---|-------|----------|----------|---|-------|----------|-----------|
| Designation | For Ø | Part No. | Type | Designation | For Ø | Part No. | Type |
| Clevis foot LNG | | | | Clevis foot LSN | | | |
|  | 32 | 33 890 | LNG-32 |  | 32 | 5 561 | LSN-32 |
| | 40 | 33 891 | LNG-40 | | 40 | 5 562 | LSN-40 |
| | 50 | 33 892 | LNG-50 | | 50 | 5 563 | LSN-50 |
| | 63 | 33 893 | LNG-63 | | 63 | 5 564 | LSN-63 |
| | 80 | 33 894 | LNG-80 | | 80 | 5 565 | LSN-80 |
| | 100 | 33 895 | LNG-100 | | 100 | 5 566 | LSN-100 |
| | 125 | 33 896 | LNG-125 | | 125 | 6 987 | LSN-125 |
| Clevis foot LSNG | | | | Clevis foot LSNSG | | | |
|  | 32 | 31 740 | LSNG-32 |  | 32 | 31 747 | LSNSG-32 |
| | 40 | 31 741 | LSNG-40 | | 40 | 31 748 | LSNSG-40 |
| | 50 | 31 742 | LSNG-50 | | 50 | 31 749 | LSNSG-50 |
| | 63 | 31 743 | LSNG-63 | | 63 | 31 750 | LSNSG-63 |
| | 80 | 31 744 | LSNG-80 | | 80 | 31 751 | LSNSG-80 |
| | 100 | 31 745 | LSNG-100 | | 100 | 31 752 | LSNSG-100 |
| | 125 | 31 746 | LSNG-125 | | 125 | 31 753 | LSNSG-125 |
| Clevis foot LBG | | | | Right-angle clevis foot LQG | | | |
|  | 32 | 31 761 | LBG-32 |  | 32 | 31 768 | LQG-32 |
| | 40 | 31 762 | LBG-40 | | 40 | 31 769 | LQG-40 |
| | 50 | 31 763 | LBG-50 | | 50 | 31 770 | LQG-50 |
| | 63 | 31 764 | LBG-63 | | 63 | 31 771 | LQG-63 |
| | 80 | 31 765 | LBG-80 | | 80 | 31 772 | LQG-80 |
| | 100 | 31 766 | LBG-100 | | 100 | 31 773 | LQG-100 |
| | 125 | 31 767 | LBG-125 | | 125 | 31 774 | LQG-125 |

Special-function drives
Tandem/high-power cylinders





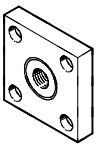
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
 Core Range

Tandem cylinders DNCT, standard port pattern

Accessories

FESTO

| Ordering data – Piston rod attachments | | | | Data sheets → 1 / 10.3-2 | | | |
|---|-------|----------|--------------|---|-------|----------|--------------|
| Designation | For Ø | Part No. | Type | Designation | For Ø | Part No. | Type |
| Rod eye SGS | | | | Rod clevis SGA | | | |
|  | 32 | 9 261 | SGS-M10x1,25 |  | 32 | 32 954 | SGA-M10x1,25 |
| | 40 | 9 262 | SGS-M12x1,25 | | 40 | 10 767 | SGA-M12x1,25 |
| | 50 | 9 263 | SGS-M16x1,5 | | 50 | 10 768 | SGA-M16x1,5 |
| | 63 | | | | 63 | | |
| | 80 | 9 264 | SGS-M20x1,5 | | 80 | 10 769 | SGA-M20x1,5 |
| | 100 | | | | 100 | | |
| | 125 | 10 774 | SGS-M27x2 | | 125 | 10 770 | SGA-M27x2 |
| Rod clevis SG | | | | Self-aligning rod coupler FK | | | |
|  | 32 | 6 144 | SG-M10x1,25 |  | 32 | 6 140 | FK-M10x1,25 |
| | 40 | 6 145 | SG-M12x1,25 | | 40 | 6 141 | FK-M12x1,25 |
| | 50 | 6 146 | SG-M16x1,5 | | 50 | 6 142 | FK-M16x1,5 |
| | 63 | | | | 63 | | |
| | 80 | 6 147 | SG-M20x1,5 | | 80 | 6 143 | FK-M20x1,5 |
| | 100 | | | | 100 | | |
| | 125 | 14 987 | SG-M27x2-B | | 125 | 10 485 | FK-M27x2 |
| Coupling piece KSG | | | | | | | |
|  | 32 | 32 963 | KSG-M10x1,25 | | | | |
| | 40 | 32 964 | KSG-M12x1,25 | | | | |
| | 50 | 32 965 | KSG-M16x1,5 | | | | |
| | 63 | | | | | | |
| | 80 | 32 966 | KSG-M20x1,5 | | | | |
| | 100 | | | | | | |
| | 125 | 32 967 | KSG-M27x2 | | | | |

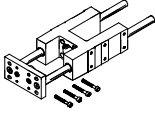
| Ordering data – One-way flow control valves | | | | Data sheets → Volume 2 | |
|---|-----------------|-----------------|--------------|------------------------|------------------------------|
|  | Connection | | Material | Part No. | Type |
| | Thread | For tubing O.D. | | | |
| | G $\frac{1}{8}$ | 3 | Metal design | 193 142 | GRLA- $\frac{1}{8}$ -QS-3-D |
| | | 4 | | 193 143 | GRLA- $\frac{1}{8}$ -QS-4-D |
| | | 6 | | 193 144 | GRLA- $\frac{1}{8}$ -QS-6-D |
| | | 8 | | 193 145 | GRLA- $\frac{1}{8}$ -QS-8-D |
| | G $\frac{1}{4}$ | 6 | | 193 146 | GRLA- $\frac{1}{4}$ -QS-6-D |
| | | 8 | | 193 147 | GRLA- $\frac{1}{4}$ -QS-8-D |
| | | 10 | | 193 148 | GRLA- $\frac{1}{4}$ -QS-10-D |
| | G $\frac{3}{8}$ | 6 | | 193 149 | GRLA- $\frac{3}{8}$ -QS-6-D |
| | | 8 | | 193 150 | GRLA- $\frac{3}{8}$ -QS-8-D |
| | | 10 | | 193 151 | GRLA- $\frac{3}{8}$ -QS-10-D |
| | G $\frac{1}{2}$ | 12 | | 193 152 | GRLA- $\frac{1}{2}$ -QS-12-D |

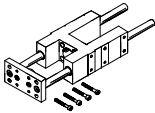
 Core Range

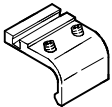
Tandem cylinders DNCT, standard port pattern

Accessories

FESTO

| Ordering data – Guide units for fixed strokes (recirculating ball bearing guide only) | | | | Data sheets → 1 / 10.4-2 | | |
|---|-------------|----------|----------------|--------------------------|----------|-----------------|
| | Stroke [mm] | Part No. | Type | Stroke [mm] | Part No. | Type |
|  | For Ø 32 mm | | | For Ø 40 mm | | |
| | 10 ... 50 | 34 493 | FENG-32-50-KF | 10 ... 50 | 34 499 | FENG-40-50-KF |
| | 10 ... 100 | 34 494 | FENG-32-100-KF | 10 ... 100 | 34 500 | FENG-40-100-KF |
| | 10 ... 160 | 34 495 | FENG-32-160-KF | 10 ... 160 | 34 501 | FENG-40-160-KF |
| | 10 ... 200 | 34 496 | FENG-32-200-KF | 10 ... 200 | 34 502 | FENG-40-200-KF |
| | 10 ... 250 | 150 289 | FENG-32-250-KF | 10 ... 250 | 34 503 | FENG-40-250-KF |
| | 10 ... 320 | 34 497 | FENG-32-320-KF | 10 ... 320 | 34 504 | FENG-40-320-KF |
| | 10 ... 400 | 150 290 | FENG-32-400-KF | 10 ... 400 | 150 291 | FENG-40-400-KF |
| | 10 ... 500 | 34 498 | FENG-32-500-KF | 10 ... 500 | 34 505 | FENG-40-500-KF |
| | For Ø 50 mm | | | For Ø 63 mm | | |
| | 10 ... 50 | 34 506 | FENG-50-50-KF | 10 ... 50 | 34 513 | FENG-63-50-KF |
| | 10 ... 100 | 34 507 | FENG-50-100-KF | 10 ... 100 | 34 514 | FENG-63-100-KF |
| | 10 ... 160 | 34 508 | FENG-50-160-KF | 10 ... 160 | 34 515 | FENG-63-160-KF |
| | 10 ... 200 | 34 509 | FENG-50-200-KF | 10 ... 200 | 34 516 | FENG-63-200-KF |
| | 10 ... 250 | 34 510 | FENG-50-250-KF | 10 ... 250 | 34 517 | FENG-63-250-KF |
| | 10 ... 320 | 34 511 | FENG-50-320-KF | 10 ... 320 | 34 518 | FENG-63-320-KF |
| | 10 ... 400 | 150 292 | FENG-50-400-KF | 10 ... 400 | 34 519 | FENG-63-400-KF |
| | 10 ... 500 | 34 512 | FENG-50-500-KF | 10 ... 500 | 34 520 | FENG-63-500-KF |
| | For Ø 80 mm | | | For Ø 100 mm | | |
| | 10 ... 50 | 34 521 | FENG-80-50-KF | 10 ... 50 | 34 529 | FENG-100-50-KF |
| | 10 ... 100 | 34 522 | FENG-80-100-KF | 10 ... 100 | 34 530 | FENG-100-100-KF |
| | 10 ... 160 | 34 523 | FENG-80-160-KF | 10 ... 160 | 34 531 | FENG-100-160-KF |
| | 10 ... 200 | 34 524 | FENG-80-200-KF | 10 ... 200 | 34 532 | FENG-100-200-KF |
| | 10 ... 250 | 34 525 | FENG-80-250-KF | 10 ... 250 | 34 533 | FENG-100-250-KF |
| | 10 ... 320 | 34 526 | FENG-80-320-KF | 10 ... 320 | 34 534 | FENG-100-320-KF |
| | 10 ... 400 | 34 527 | FENG-80-400-KF | 10 ... 400 | 34 535 | FENG-100-400-KF |
| | 10 ... 500 | 34 528 | FENG-80-500-KF | 10 ... 500 | 34 536 | FENG-100-500-KF |

| Ordering data – Guide units for variable strokes | | | | | Data sheets → 1 / 10.4-2 | |
|---|------------|-------------|---------------------------------------|-----------------|--------------------------|--------------|
| | For Ø [mm] | Stroke [mm] | With recirculating ball bearing guide | | With plain bearing guide | |
| | | | Part No. | Type | Part No. | Type |
|  | 32 | 10 ... 500 | 34 487 | FENG-32-...-KF | 34 481 | FENG-32-... |
| | 40 | 10 ... 500 | 34 488 | FENG-40-...-KF | 34 482 | FENG-40-... |
| | 50 | 10 ... 500 | 34 489 | FENG-50-...-KF | 34 483 | FENG-50-... |
| | 63 | 10 ... 500 | 34 490 | FENG-63-...-KF | 34 484 | FENG-63-... |
| | 80 | 10 ... 500 | 34 491 | FENG-80-...-KF | 34 485 | FENG-80-... |
| | 100 | 10 ... 500 | 34 492 | FENG-100-...-KF | 34 486 | FENG-100-... |




| Ordering data – Mounting kit for proximity sensors SMT-8 | | | | Data sheets → 1 / 10.2-40 | |
|---|------------|----------|-------------------|---------------------------|--|
| | For Ø [mm] | Part No. | Type | | |
|  | 32 | 175 705 | SMB-8-FENG-32/40 | | |
| | 40 | | | | |
| | 50 | 175 706 | SMB-8-FENG-50/63 | | |
| | 63 | | | | |
| | 80 | 175 707 | SMB-8-FENG-80/100 | | |
| | 100 | | | | |




Core Range





Tandem cylinders DNCT, standard port pattern

Accessories

FESTO

| Ordering data – Proximity sensor for slot type 8, magneto-resistive | | | | | | | Data sheets → 1 / 10.2-13 | | |
|---|--|---------------|-----------------------|---------|----------|------------------|---------------------------|------------------------|------------------------|
| | Mounting | Switch output | Electrical connection | | | Cable length [m] | Part No. | Type | |
| | | | Cable | M8 plug | M12 plug | | | | |
| NO contact | | | | | | | | | |
|  | Insertable from above | PNP | 3-core | – | – | 2.5 | 525 898 | SMT-8F-PS-24V-K2,5-OE | ☉ |
| | | NPN | | – | – | | 525 909 | SMT-8F-NS-24V-K2,5-OE | ☉ |
| | | – | 2-core | – | – | 2.5 | 525 908 | SMT-8F-ZS-24V-K2,5-OE | ☉ |
| | | PNP | – | 3-pin | – | 0.3 | 525 899 | SMT-8F-PS-24V-K0,3-M8D | ☉ |
| | | NPN | – | | 525 910 | | SMT-8F-NS-24V-K0,3-M8D | ☉ | |
| | | PNP | – | | 3-pin | | 0.3 | 525 900 | SMT-8F-PS-24V-K0,3-M12 |
|  | Insertable from end, flush with the cylinder profile | PNP | 3-core | – | – | 2.5 | 175 436 | SMT-8-PS-K-LED-24-B | |
| | | – | 3-pin | – | – | 0.3 | 175 484 | SMT-8-PS-S-LED-24-B | |
| NC contact | | | | | | | | | |
|  | Insertable from above | PNP | 3-core | – | – | 7.5 | 525 911 | SMT-8F-PO-24V-K7,5-OE | ☉ |

| Ordering data – Proximity sensor for slot type 8, magnetic reed | | | | | | Data sheets → 1 / 10.2-16 | |
|---|--|-----------------------|---------|------------------|----------|---------------------------|------------------------|
| | Mounting | Electrical connection | | Cable length [m] | Part No. | Type | |
| | | Cable | M8 plug | | | | |
| NO contact | | | | | | | |
|  | Insertable from above | 3-core | – | 2.5 | 525 895 | SME-8F-DS-24V-K2,5-OE | ☉ |
| | | | – | 5.0 | 525 897 | SME-8F-DS-24V-K5,0-OE | ☉ |
| | | 2-core | – | 2.5 | 525 907 | SME-8F-ZS-24V-K2,5-OE | ☉ |
| | | | – | 3-pin | 0.3 | 525 896 | SME-8F-DS-24V-K0,3-M8D |
|  | Insertable from end, flush with the cylinder profile | 3-core | – | 2.5 | 150 855 | SME-8-K-LED-24 | |
| | | – | 3-pin | 0.3 | 150 857 | SME-8-S-LED-24 | |
| NC contact | | | | | | | |
|  | Insertable from above | 3-core | – | 7.5 | 525 906 | SME-8F-DO-24V-K7,5-OE | ☉ |

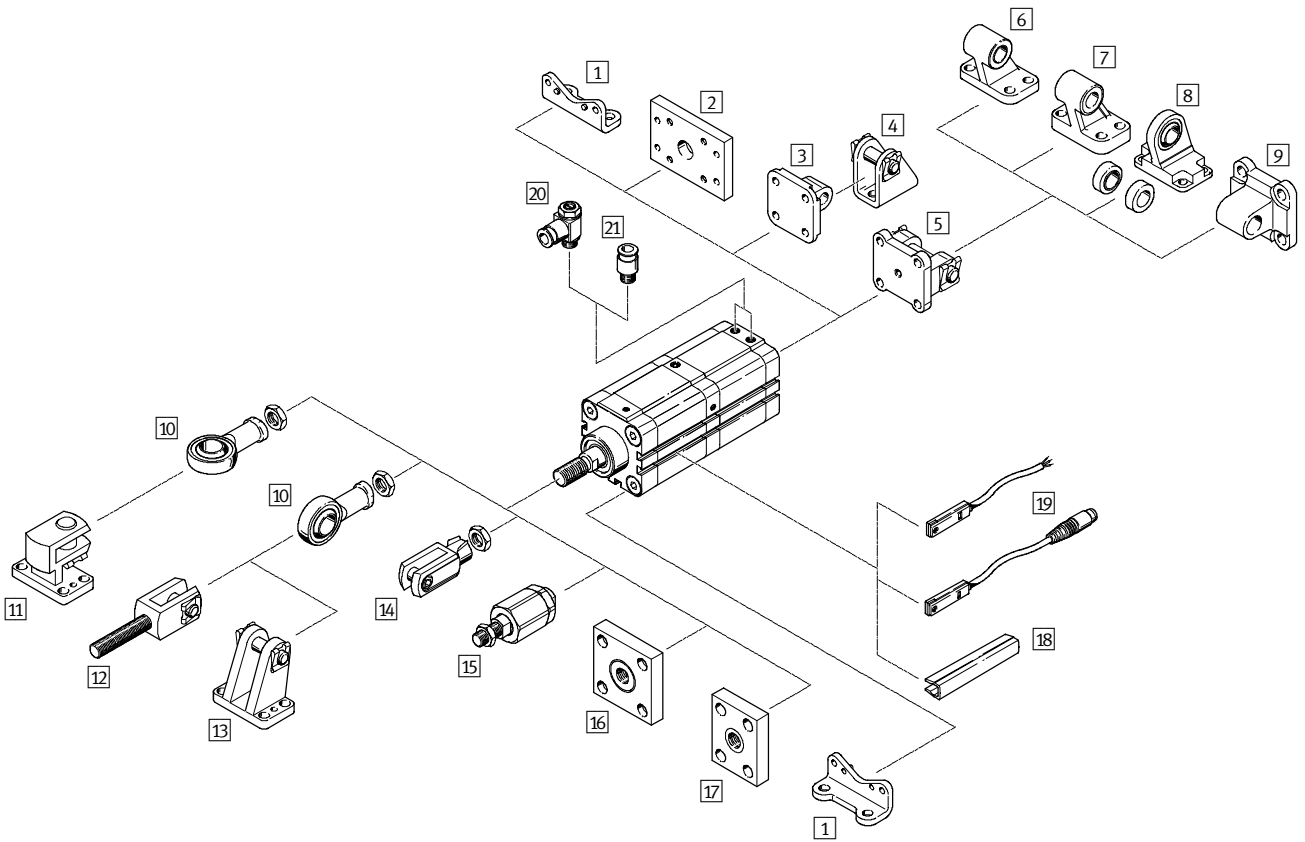
| Ordering data – Plug sockets | | | | | | Data sheets → 1 / 10.2-100 | |
|---|---------------|---------------|-----|------------|------------------|----------------------------|--------------------|
| | Mounting | Switch output | | Connection | Cable length [m] | Part No. | Type |
| | | PNP | NPN | | | | |
| Straight socket | | | | | | | |
|  | M8 union nut | ■ | ■ | 3-pin | 2.5 | 159 420 | SIM-M8-3GD-2,5-PU |
| | | | | | 5 | 159 421 | SIM-M8-3GD-5-PU |
|  | M12 union nut | ■ | ■ | 3-pin | 2.5 | 159 428 | SIM-M12-3GD-2,5-PU |
| | | | | | 5 | 159 429 | SIM-M12-3GD-5-PU |
| Angled socket | | | | | | | |
|  | M8 union nut | ■ | ■ | 3-pin | 2.5 | 159 422 | SIM-M8-3WD-2,5-PU |
| | | | | | 5 | 159 423 | SIM-M8-3WD-5-PU |
|  | M12 union nut | ■ | ■ | 3-pin | 2.5 | 159 430 | SIM-M12-3WD-2,5-PU |
| | | | | | 5 | 159 431 | SIM-M12-3WD-5-PU |

| Ordering data – Slot cover for slot type 8 | | | |
|---|-----------------------|------------|-----------------|
| | Mounting | Length [m] | Part No. Type |
|  | Insertable from above | 2x 0.5 | 151 680 ABP-5-S |

■ Core Range

Tandem cylinders ADVUT

Peripherals overview



Special-function drives
Tandem/high-power cylinders

5.7

Tandem cylinders ADVUT

Peripherals overview

FESTO

| Mounting attachments and accessories | | | | | |
|--------------------------------------|--|--|-------------------------|--------|------------|
| | Brief description | Piston Ø 25 mm | Piston Ø 40, 63, 100 mm | → Page | |
| 1 | Foot mounting HUA | For bearing and end caps | - | ■ | 1 / 5.7-29 |
| 2 | Flange mounting FUA | For end caps | ■ | ■ | 1 / 5.7-30 |
| 3 | Swivel flange SUA for Ø 25 | For end caps | ■ | - | 1 / 5.7-31 |
| 4 | Clevis foot LBN | - | ■ | ■ | 1 / 5.7-32 |
| 5 | Swivel flange SUA for Ø 40, 63, 100 | For end caps | - | ■ | 1 / 5.7-31 |
| 6 | Clevis foot LN | - | - | ■ | 1 / 5.7-32 |
| 7 | Clevis foot LNG | - | - | ■ | 1 / 5.7-32 |
| 8 | Clevis foot LSN | With spherical bearing | - | ■ | 1 / 5.7-32 |
| 9 | Swivel flange SNCL | - | - | ■ | 1 / 5.7-32 |
| 10 | Rod eye SGS | With spherical bearing | ■ | ■ | 1 / 5.7-32 |
| 11 | Right-angle clevis foot LQG | - | - | ■ | 1 / 5.7-32 |
| 12 | Rod clevis SGA | With male thread | ■ | ■ | 1 / 5.7-32 |
| 13 | Clevis foot LBG | - | - | ■ | 1 / 5.7-32 |
| 14 | Rod clevis SG | Permits a swivelling movement of the cylinder in one plane | ■ | ■ | 1 / 5.7-32 |
| 15 | Self-aligning rod coupler FK | For compensating radial and angular deviations | ■ | ■ | 1 / 5.7-32 |
| 16 | Coupling piece KSG | For compensating radial deviations | ■ | ■ | 1 / 5.7-32 |
| 17 | Coupling piece KSZ | For cylinders with a non-rotating piston rod to compensate for radial deviations | ■ | ■ | 1 / 5.7-32 |
| 18 | Slot cover ABP-5-S | To protect the sensor cable and keep dirt out of the sensor slots | ■ | ■ | 1 / 5.7-33 |
| 19 | Proximity sensor SME/SMT-8 | Can be integrated in the cylinder profile barrel | ■ | ■ | 1 / 5.7-33 |
| 20 | One-way flow control valve GRLA | To regulate speed | ■ | ■ | 1 / 5.7-34 |
| 21 | Push-in fitting QS | For connecting compressed air tubing with standard external diameters to CETOP RP 54 P | ■ | ■ | Volume 3 |

Tandem cylinders ADVUT

Type codes



ADVUT - 40 - 80 - A - P - A -

| Type | |
|---------------|------------------|
| Double-acting | |
| ADVUT | Tandem cylinders |

| Piston \varnothing [mm] |
|---------------------------|
|---------------------------|

| Stroke [mm] |
|-------------|
|-------------|

| Piston rod thread | |
|-------------------|---------------|
| | Female thread |
| A | Male thread |

| Cushioning | |
|------------|------------------------------|
| P | Non-adjustable at either end |

| Position sensing | |
|------------------|-----------------------|
| A | With proximity sensor |

| Variant | |
|---------|----------------------------|
| S6 | Heat-resistant up to 150°C |

Special-function drives
Tandem/high-power cylinders

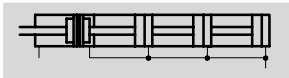
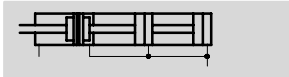
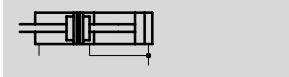
5.7

Tandem cylinders ADVUT

Technical data

FESTO

Function



Variants



S6



- - Diameter
25, 40, 63, 100 mm
- - Stroke length
1 ... 150 mm
- - [www.festo.com/en/
Spare_parts_service](http://www.festo.com/en/Spare_parts_service)

| General technical data | | | | | |
|------------------------|---------------|------------------------------|----------|-----------------|-----------------|
| Piston Ø | | 25 | 40 | 63 | 100 |
| Pneumatic connection | | M5 | M5 | G $\frac{1}{8}$ | G $\frac{1}{4}$ |
| End of piston rod | Female thread | M5 | M8 | M10 | M12 |
| | Male thread | M10x1.25 | M12x1.25 | M16x1.5 | M20x1.5 |
| Constructional design | | Piston | | | |
| | | Piston rod | | | |
| | | Cylinder barrel | | | |
| Cushioning | | Non-adjustable at either end | | | |
| Position sensing | | With proximity sensor | | | |
| Type of mounting | | With female thread | | | |
| | | Via accessories | | | |
| Mounting position | | Any | | | |

| Operating conditions | | | | | |
|--------------------------|-------------|---|----|------------|-----|
| Piston Ø | | 25 | 40 | 63 | 100 |
| Operating medium | | Filtered compressed air, lubricated or unlubricated | | | |
| Operating pressure [bar] | 2 cylinders | 1.1 ... 10 | | 0.9 ... 10 | |
| | 3 cylinders | 1.4 ... 10 | | 1.2 ... 10 | |
| | 4 cylinders | 1.7 ... 10 | | 1.5 ... 10 | |

| Ambient conditions | | | |
|--|------|---------------|------------|
| Variant | | Basic version | S6 |
| Ambient temperature ¹⁾ | [°C] | -20 ... +80 | 0 ... +150 |
| Corrosion resistance class CRC ²⁾ | | 2 | 2 |

1) Note operating range of proximity sensors.

2) Corrosion resistance class 2 according to Festo standard 940 070

Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Tandem cylinders ADVUT

Technical data

FESTO

| Forces [N] and impact energy [J] | | | | | |
|---|-------------|-------|-------|-------|--------|
| Piston Ø | | 25 | 40 | 63 | 100 |
| Theoretical force at 6 bar, advancing ¹⁾ | 2 cylinders | 542 | 1 387 | 3 552 | 9 130 |
| | 3 cylinders | 789 | 2 020 | 5 234 | 13 548 |
| | 4 cylinders | 1 037 | 2 653 | 6 916 | 17 966 |
| Theoretical force at 6 bar, retracting | | 247 | 633 | 1 682 | 4 418 |
| Max. impact energy at end positions | | 0.10 | 0.52 | 0.70 | 1.00 |

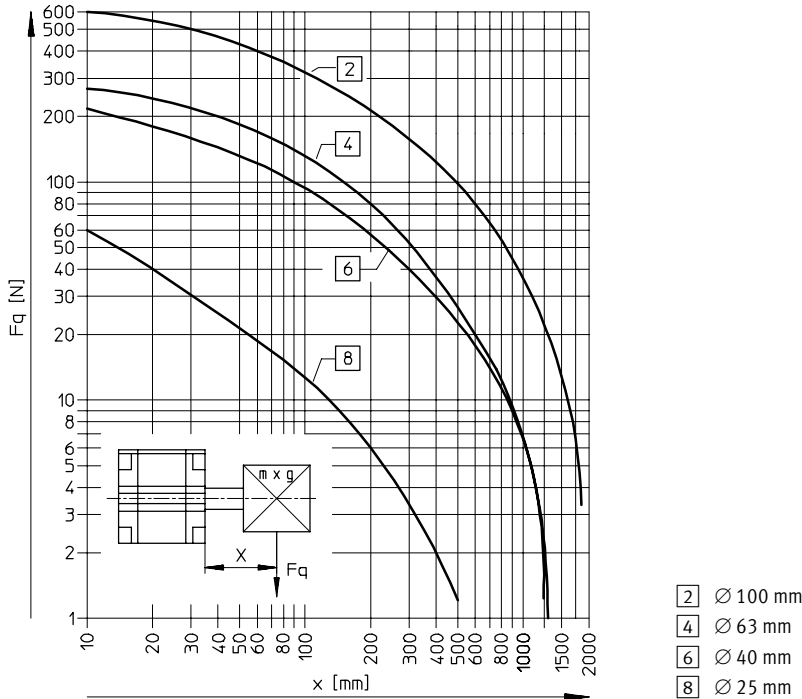
1) The force of the cylinders is only available up to 3 mm before the end position.

| Weights [g] | | | | | |
|------------------------------------|--|-----|-------|-------|-------|
| Piston Ø | | 25 | 40 | 63 | 100 |
| 2 cylinders | | | | | |
| Product weight at 0 mm stroke | | 375 | 825 | 1 200 | 5 250 |
| Additional weight per 10 mm stroke | | 36 | 70 | 136 | 200 |
| Moving load at 0 mm stroke | | 52 | 126 | 268 | 1 228 |
| Additional load per 10 mm stroke | | 6 | 12 | 21 | 38 |
| 3 cylinders | | | | | |
| Product weight at 0 mm stroke | | 500 | 1 100 | 1 600 | 7 000 |
| Additional weight per 10 mm stroke | | 36 | 69 | 134 | 200 |
| Moving load at 0 mm stroke | | 78 | 189 | 402 | 1 842 |
| Additional load per 10 mm stroke | | 6 | 11 | 19 | 38 |
| 4 cylinders | | | | | |
| Product weight at 0 mm stroke | | 625 | 1 375 | 2 000 | 8 750 |
| Additional weight per 10 mm stroke | | 36 | 69 | 133 | 200 |
| Moving load at 0 mm stroke | | 104 | 252 | 536 | 2 456 |
| Additional load per 10 mm stroke | | 6 | 11 | 18 | 38 |

Tandem cylinders ADVUT

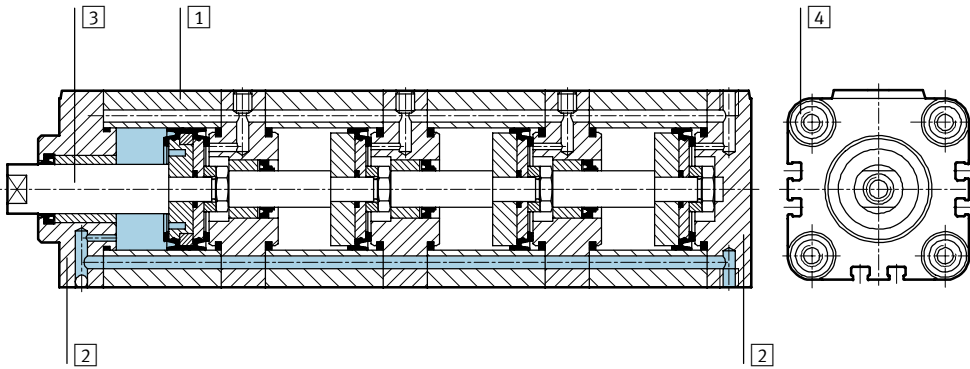
Technical data

Max. lateral force F_q as a function of projection x



Materials

Sectional view



| Variant | Basic version | S6 |
|-----------------------|---|--|
| 1 Cylinder barrel | Wrought aluminium alloy | Wrought aluminium alloy |
| 2 Bearing and end cap | Wrought aluminium alloy | Wrought aluminium alloy |
| 3 Piston rod | \varnothing 25: High-alloy stainless steel \varnothing 40, 63, 100: High-alloy steel | High-alloy stainless steel High-alloy steel |
| 4 Flange screws | Tempered steel | Tempered steel |
| - Seals | Polyurethane, nitrile rubber | Fluorocarbon rubber |

Tandem cylinders ADVUT

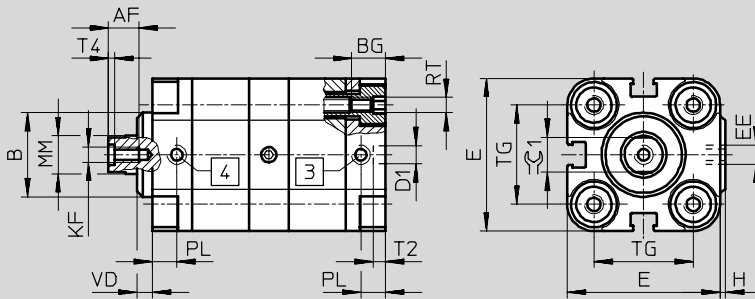
Technical data



Dimensions – Basic cylinders

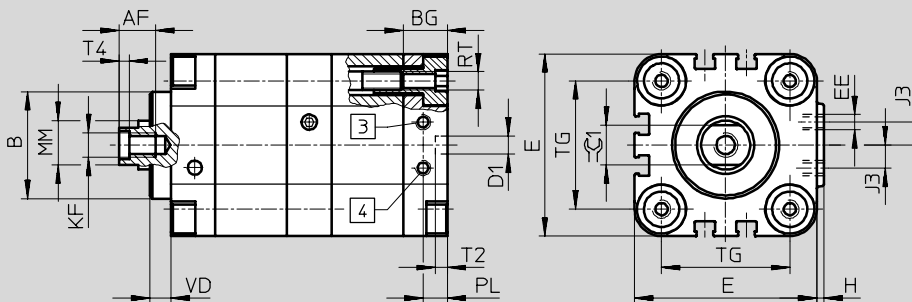
Download CAD data → www.festo.com/en/engineering

Piston Ø 25 mm



- 3 Connection for cylinder advancing
- 4 Connection for cylinder retracting

Piston Ø 40, 63, 100 mm



- 3 Connection for cylinder advancing
- 4 Connection for cylinder retracting

| Ø | AF | B | BG | D1 | E | EE | H | J3 | KF |
|------|----|----|----------|---------|-----|------|-----|------|-----|
| [mm] | | Ø | | Ø H9 | | | | | |
| 25 | 10 | 22 | 19±0.5 | 6 | 40 | M5 | 1.5 | – | M5 |
| 40 | 12 | 35 | 22.2±0.5 | 6 | 60 | M5 | 2.5 | 7.5 | M8 |
| 63 | 16 | 42 | 26.5±0.5 | 8 | 87 | G1/8 | 4 | 10.5 | M10 |
| 100 | 20 | 55 | 33±0.5 | 8 | 128 | G1/4 | 5 | 14.5 | M12 |

| Ø | MM | PL | RT | T2 | T4 | TG | VD | ∅C1 |
|------|----|------|-----|------|-----|-----|------|-----|
| [mm] | Ø | | | -0.2 | | | | h13 |
| 25 | 10 | 8 | M5 | 4 | 2 | 26 | 4 | 9 |
| 40 | 16 | 8 | M6 | 4 | 3.3 | 42 | 7 | 13 |
| 63 | 20 | 8 | M10 | 4 | 4.7 | 62 | 11.5 | 17 |
| 100 | 25 | 10.5 | M10 | 4 | 6.1 | 103 | 15 | 22 |

Special-function drives
Tandem/high-power cylinders
5.7

Tandem cylinders ADVUT

Technical data

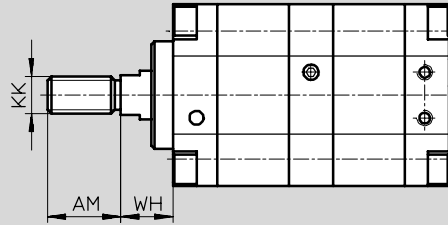
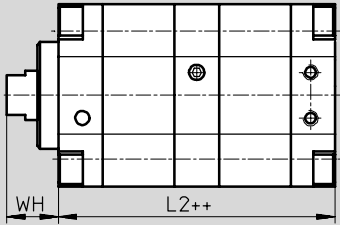


Dimensions – Variants

Download CAD data → www.festo.com/en/engineering

2 cylinders

With male thread

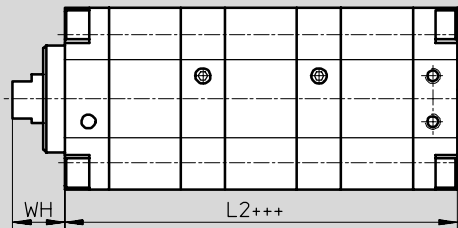


++ = plus 2x stroke length

- - Note

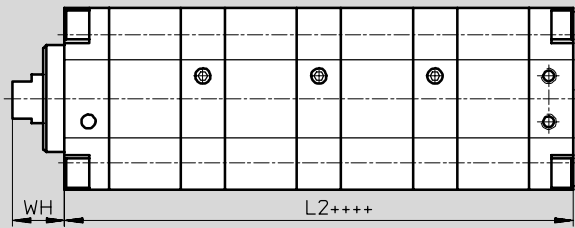
The piston rod with male thread is also available for the ADVUT variants comprising 3 or 4 cylinders.

3 cylinders



+++ = plus 3x stroke length

4 cylinders





++++ = plus 4x stroke length

| ∅ [mm] | AM | KK | L2 | | | WH |
|-----------|----|----------|-------------|-------------|-------------|------|
| | | | 2 cylinders | 3 cylinders | 4 cylinders | |
| 25 | 22 | M10x1.25 | 78 | 110.5 | 143 | 11.5 |
| 40 | 24 | M12x1.25 | 90.5 | 128.5 | 166.5 | 16.5 |
| 63 | 32 | M16x1.5 | 100.5 | 143 | 185.5 | 21.5 |
| 100 | 40 | M20x1.5 | 135.5 | 193.5 | 251.5 | 27 |

Tandem cylinders ADVUT

Technical data

FESTO

| Ordering data | | | | | | |
|---|---|----------------|-------------------------------|------------------------|-----------------------------|--------------------------|
| Type | Piston Ø [mm] | Stroke [mm] | Piston rod with female thread | | Piston rod with male thread | |
| | | | Part No. | Type ¹⁾ | Part No. | Type ¹⁾ |
| Basic version | | | | | | |
|  | 2x 25 | 1 ... 150 | 161 138 | ADVUT-25x2-...-P-A | 197 265 | ADVUT-25x2-...-A-P-A |
| | 3x 25 | 1 ... 150 | 161 139 | ADVUT-25x3-...-P-A | 197 266 | ADVUT-25x3-...-A-P-A |
| | 4x 25 | 1 ... 150 | 161 140 | ADVUT-25x4-...-P-A | 197 267 | ADVUT-25x4-...-A-P-A |
| | 2x 40 | 1 ... 150 | 159 491 | ADVUT-40x2-...-P-A | 197 268 | ADVUT-40x2-...-A-P-A |
| | 3x 40 | 1 ... 150 | 159 492 | ADVUT-40x3-...-P-A | 197 269 | ADVUT-40x3-...-A-P-A |
| | 4x 40 | 1 ... 150 | 159 493 | ADVUT-40x4-...-P-A | 197 270 | ADVUT-40x4-...-A-P-A |
| | 2x 63 | 1 ... 150 | 161 141 | ADVUT-63x2-...-P-A | 197 271 | ADVUT-63x2-...-A-P-A |
| | 3x 63 | 1 ... 150 | 161 142 | ADVUT-63x3-...-P-A | 197 272 | ADVUT-63x3-...-A-P-A |
| | 4x 63 | 1 ... 150 | 161 143 | ADVUT-63x4-...-P-A | 197 273 | ADVUT-63x4-...-A-P-A |
| | 2x 100 | 1 ... 150 | 161 144 | ADVUT-100x2-...-P-A | 197 274 | ADVUT-100x2-...-A-P-A |
| | 3x 100 | 1 ... 150 | 161 145 | ADVUT-100x3-...-P-A | 197 275 | ADVUT-100x3-...-A-P-A |
| | 4x 100 | 1 ... 150 | 161 146 | ADVUT-100x4-...-P-A | 197 276 | ADVUT-100x4-...-A-P-A |
| | S6 – Heat-resistant up to 150 °C | | | | | |
|  | 2x 25 | 1 ... 150 | 197 281 | ADVUT-25x2-...-P-A-S6 | 197 297 | ADVUT-25x2-...-A-P-A-S6 |
| | 3x 25 | 1 ... 150 | 197 282 | ADVUT-25x3-...-P-A-S6 | 197 298 | ADVUT-25x3-...-A-P-A-S6 |
| | 4x 25 | 1 ... 150 | 197 283 | ADVUT-25x4-...-P-A-S6 | 197 299 | ADVUT-25x4-...-A-P-A-S6 |
| | 2x 40 | 1 ... 150 | 197 284 | ADVUT-40x2-...-P-A-S6 | 197 300 | ADVUT-40x2-...-A-P-A-S6 |
| | 3x 40 | 1 ... 150 | 197 285 | ADVUT-40x3-...-P-A-S6 | 197 301 | ADVUT-40x3-...-A-P-A-S6 |
| | 4x 40 | 1 ... 150 | 197 286 | ADVUT-40x4-...-P-A-S6 | 197 302 | ADVUT-40x4-...-A-P-A-S6 |
| | 2x 63 | 1 ... 150 | 197 287 | ADVUT-63x2-...-P-A-S6 | 197 303 | ADVUT-63x2-...-A-P-A-S6 |
| | 3x 63 | 1 ... 150 | 197 288 | ADVUT-63x3-...-P-A-S6 | 197 304 | ADVUT-63x3-...-A-P-A-S6 |
| | 4x 63 | 1 ... 150 | 197 289 | ADVUT-63x4-...-P-A-S6 | 197 305 | ADVUT-63x4-...-A-P-A-S6 |
| | 2x 100 | 1 ... 150 | 197 290 | ADVUT-100x2-...-P-A-S6 | 197 306 | ADVUT-100x2-...-A-P-A-S6 |
| | 3x 100 | 1 ... 150 | 197 291 | ADVUT-100x3-...-P-A-S6 | 197 307 | ADVUT-100x3-...-A-P-A-S6 |
| | 4x 100 | 1 ... 150 | 197 292 | ADVUT-100x4-...-P-A-S6 | 197 308 | ADVUT-100x4-...-A-P-A-S6 |

1) Nut for piston rod thread included in scope of delivery.

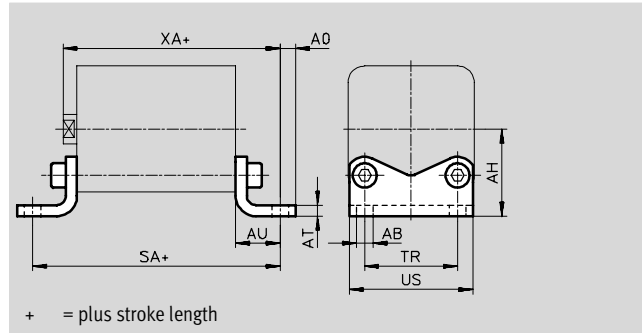
Tandem cylinders ADVUT

Accessories



Foot mounting HUA

Material:
Galvanised steel
Free of copper, PTFE and silicone



| Dimensions and ordering data | | | | | | | | | |
|------------------------------|---------------------|------|-------|----|----|---------------------------|---------------------------|---------------------------|-----|
| For \varnothing | AB \varnothing | AH | A0 | AT | AU | SA | | | TR |
| | | | | | | 2 cylinders ¹⁾ | 3 cylinders ²⁾ | 4 cylinders ³⁾ | |
| 25 | 6,6 | 29 | 6,25 | 4 | 16 | 110 | 142,5 | 175 | 26 |
| 40 | 9 | 40,5 | 8,25 | 5 | 20 | 130,5 | 168,5 | 206,5 | 42 |
| 63 | 11 | 56.5 | 11.75 | 6 | 27 | 154.5 | 197 | 239.5 | 62 |
| 100 | 13.5 | 81 | 11.75 | 8 | 33 | 201.5 | 259.5 | 317.5 | 103 |

| For \varnothing | US | XA | | | CRC ⁴⁾ | Weight [g] | Part No. | Type |
|-------------------|-----|---------------------------|---------------------------|---------------------------|-------------------|---------------|----------|---------|
| | | 2 cylinders ¹⁾ | 3 cylinders ²⁾ | 4 cylinders ³⁾ | | | | |
| 25 | 38 | 105,5 | 138 | 170,5 | 2 | 90 | 157 311 | HUA-25 |
| 40 | 58 | 127 | 165 | 203 | 2 | 201 | 157 313 | HUA-40 |
| 63 | 85 | 149 | 191.5 | 234 | 2 | 550 | 157 315 | HUA-63 |
| 100 | 126 | 195.5 | 253.5 | 311.5 | 2 | 1 050 | 157 317 | HUA-100 |

- 1) plus 2x stroke length
- 2) plus 3x stroke length
- 3) plus 4x stroke length
- 4) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Core Range

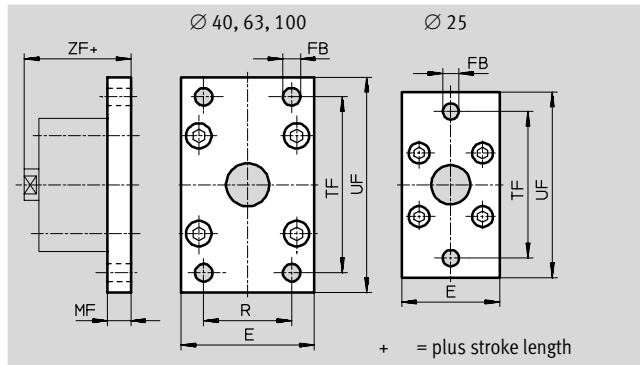
Tandem cylinders ADVUT

Accessories



Flange mounting FUA

Material:
Clear anodised aluminium



| Dimensions and ordering data | | | | | | | | | | | | | |
|------------------------------|-----|---------|----|----|-----|-----|---------------------------|---------------------------|---------------------------|-------------------|---------------|----------|---------|
| For Ø | E | FB Ø | MF | R | TF | UF | ZF | | | CRC ⁴⁾ | Weight [g] | Part No. | Type |
| | | | | | | | 2 cylinders ¹⁾ | 3 cylinders ²⁾ | 4 cylinders ³⁾ | | | | |
| 25 | 40 | 6.6 | 10 | – | 60 | 76 | 99.5 | 132 | 164.5 | 2 | 87 | 157 301 | FUA-25 |
| 40 | 60 | 9 | 10 | 36 | 82 | 102 | 117 | 155 | 193 | 2 | 180 | 157 303 | FUA-40 |
| 63 | 87 | 9 | 15 | 50 | 110 | 130 | 137 | 179.5 | 222 | 2 | 550 | 157 305 | FUA-63 |
| 100 | 128 | 14 | 15 | 75 | 163 | 190 | 177.5 | 235.5 | 293.5 | 2 | 1 035 | 157 307 | FUA-100 |

- 1) plus 2x stroke length
- 2) plus 3x stroke length
- 3) plus 4x stroke length
- 4) Corrosion resistance class 2 according to Festo standard 940 070
Components requiring moderate corrosion resistance. Externally visible parts with primarily decorative surface requirements which are in direct contact with a surrounding industrial atmosphere or media such as cooling or lubricating agents.

Special-function drives
Tandem/high-power cylinders

5.7

Core Range

Tandem cylinders ADVUT

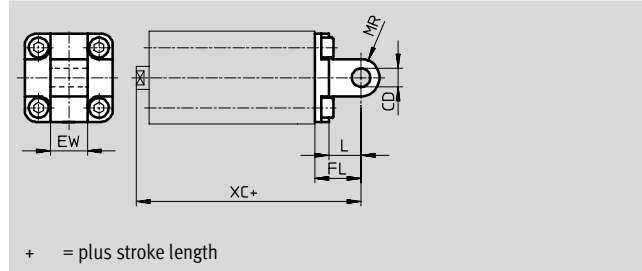
Accessories

Swivel flange SUA for piston \varnothing 25 mm

Material:
Anodised aluminium
Free of copper, PTFE and silicone



\varnothing 25 mm

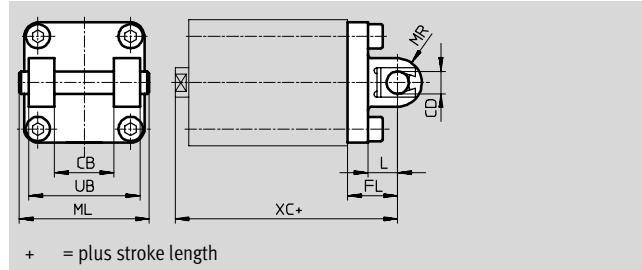


for piston \varnothing 40, 63, 100 mm

Material:
Anodised aluminium
Free of copper, PTFE and silicone



\varnothing 40, 63, 100 mm



| Dimensions and ordering data | | | | | | | | |
|------------------------------|----|---------------------|----|----|----|-----|----|-----|
| For \varnothing | CB | CD \varnothing | EW | FL | L | ML | MR | UB |
| 25 | - | 8 | 16 | 20 | 14 | - | 8 | - |
| 40 | 28 | 12 | - | 25 | 16 | 62 | 12 | 52 |
| 63 | 40 | 16 | - | 32 | 21 | 82 | 16 | 70 |
| 100 | 60 | 20 | - | 41 | 26 | 126 | 20 | 110 |

| For \varnothing | XC | | | Weight [g] | Part No. | Type |
|-------------------|---------------------------|---------------------------|---------------------------|---------------|----------|---------|
| | 2 cylinders ¹⁾ | 3 cylinders ²⁾ | 4 cylinders ³⁾ | | | |
| 25 | 109.5 | 142 | 174.5 | 86 | 157 321 | SUA-25 |
| 40 | 132 | 170 | 208 | 320 | 157 323 | SUA-40 |
| 63 | 154 | 196.5 | 239 | 760 | 157 325 | SUA-63 |
| 100 | 203.5 | 261.5 | 319.5 | 1 900 | 157 327 | SUA-100 |

- 1) plus 2x stroke length
- 2) plus 3x stroke length
- 3) plus 4x stroke length

Note
The maximum stroke length may not be exceeded when combining cylinders and swivel flanges.

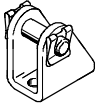
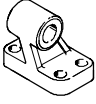
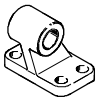
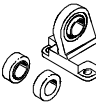
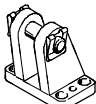
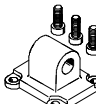
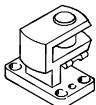
| For \varnothing | Max. stroke length [mm] |
|-------------------|----------------------------|
| 25 | 50 |
| 40 | 100 |
| 63 | 100 |
| 100 | 150 |





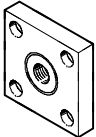
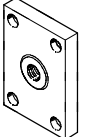
Core Range

Tandem cylinders ADVUT

Accessories

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| Ordering data – Mounting attachments | | | | Technical data → 1 / 10.1-2 | | | |
|---|-------|----------|-----------|---|-------|----------|----------|
| Designation | For Ø | Part No. | Type | Designation | For Ø | Part No. | Type |
| Clevis foot LBN | | | | Clevis foot LNG | | | |
|  | 25 | 6 059 | LBN-20/25 |  | 40 | 33 891 | LNG-40 |
| | 40 | 195 861 | LBN-40 | | 63 | 33 893 | LNG-63 |
| | 63 | 195 862 | LBN-50/63 | | 100 | 33 895 | LNG-100 |
| Clevis foot LN | | | | Clevis foot LSN | | | |
|  | 40 | 5 148 | LN-40 |  | 40 | 5 562 | LSN-40 |
| | 63 | 5 150 | LN-63 | | 63 | 5 564 | LSN-63 |
| | 100 | 5 152 | LN-100 | | 100 | 5 566 | LSN-100 |
| Clevis foot LBG | | | | Swivel flange SNCL | | | |
|  | 40 | 31 762 | LBG-40 |  | 40 | 174 405 | SNCL-40 |
| | 63 | 31 764 | LBG-63 | | 63 | 174 407 | SNCL-63 |
| | 100 | 31 766 | LBG-100 | | 100 | 174 409 | SNCL-100 |
| Right-angle clevis foot LQG | | | | | | | |
|  | 40 | 31 769 | LQG-40 | | | | |
| | 63 | 31 771 | LQG-63 | | | | |
| | 100 | 31 773 | LQG-100 | | | | |

| Ordering data – Piston rod attachments | | | | Data sheets → 1 / 10.3-3 | | | |
|---|-------|----------|--------------|---|-------|----------|--------------|
| Designation | For Ø | Part No. | Type | Designation | For Ø | Part No. | Type |
| Rod eye SGS | | | | Rod clevis SGA | | | |
|  | 25 | 9 261 | SGS-M10x1,25 |  | 25 | 32 954 | SGA-M10x1,25 |
| | 40 | 9 262 | SGS-M12x1,25 | | 40 | 10 767 | SGA-M12x1,25 |
| | 63 | 9 263 | SGS-M16x1,5 | | 63 | 10 768 | SGA-M16x1,5 |
| | 100 | 9 264 | SGS-M20x1,5 | | 100 | 10 769 | SGA-M20x1,5 |
| Rod clevis SG | | | | Self-aligning rod coupler FK | | | |
|  | 25 | 6 144 | SG-M10x1,25 |  | 25 | 6 140 | FK-M10x1,25 |
| | 40 | 6 145 | SG-M12x1,25 | | 40 | 6 141 | FK-M12x1,25 |
| | 63 | 6 146 | SG-M16x1,5 | | 63 | 6 142 | FK-M16x1,5 |
| | 100 | 6 147 | SG-M20x1,5 | | 100 | 6 143 | FK-M20x1,5 |
| Coupling piece KSG | | | | Coupling piece KSZ | | | |
|  | 25 | 32 963 | KSG-M10x1,25 |  | 25 | 36 125 | KSZ-M10x1,25 |
| | 40 | 32 964 | KSG-M12x1,25 | | 40 | 36 126 | KSZ-M12x1,25 |
| | 63 | 32 965 | KSG-M16x1,5 | | 63 | 36 127 | KSZ-M16x1,5 |
| | 100 | 32 966 | KSG-M20x1,5 | | 100 | 36 128 | KSZ-M20x1,5 |

Special-function drives
Tandem/high-power cylinders




5.7




 Core Range





Tandem cylinders ADVUT

Accessories

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| Ordering data – Proximity sensor for slot type 8, magneto-resistive | | | | | | | Data sheets → 1 / 10.2-13 | | |
|---|--|---------------|-----------------------|---------|----------|------------------|---------------------------|------------------------|------------------------|
| | Mounting | Switch output | Electrical connection | | | Cable length [m] | Part No. | Type | |
| | | | Cable | M8 plug | M12 plug | | | | |
| NO contact | | | | | | | | | |
|  | Insertable from above | PNP | 3-core | – | – | 2.5 | 525 898 | SMT-8F-PS-24V-K2,5-OE | ☉ |
| | | NPN | | – | – | | 525 909 | SMT-8F-NS-24V-K2,5-OE | ☉ |
| | | – | 2-core | – | – | 2.5 | 525 908 | SMT-8F-ZS-24V-K2,5-OE | ☉ |
| | | PNP | – | 3-pin | – | 0.3 | 525 899 | SMT-8F-PS-24V-K0,3-M8D | ☉ |
| | | NPN | – | | 525 910 | | SMT-8F-NS-24V-K0,3-M8D | ☉ | |
| | | PNP | – | | 3-pin | | 0.3 | 525 900 | SMT-8F-PS-24V-K0,3-M12 |
|  | Insertable from end, flush with the cylinder profile | PNP | 3-core | – | – | 2.5 | 175 436 | SMT-8-PS-K-LED-24-B | |
| | | – | 3-pin | – | – | 0.3 | 175 484 | SMT-8-PS-S-LED-24-B | |
| NC contact | | | | | | | | | |
|  | Insertable from above | PNP | 3-core | – | – | 7.5 | 525 911 | SMT-8F-PO-24V-K7,5-OE | ☉ |

| Ordering data – Proximity sensor for slot type 8, magnetic reed | | | | | | | Data sheets → 1 / 10.2-16 | |
|---|--|-----------------------|---------|------------------|----------|------------------------|---------------------------|--|
| | Mounting | Electrical connection | | Cable length [m] | Part No. | Type | | |
| | | Cable | M8 plug | | | | | |
| NO contact | | | | | | | | |
|  | Insertable from above | 3-core | – | 2.5 | 525 895 | SME-8F-DS-24V-K2,5-OE | ☉ | |
| | | | – | 5.0 | 525 897 | SME-8F-DS-24V-K5,0-OE | ☉ | |
| | | 2-core | – | 2.5 | 525 907 | SME-8F-ZS-24V-K2,5-OE | ☉ | |
| | | | 3-pin | 0.3 | 525 896 | SME-8F-DS-24V-K0,3-M8D | ☉ | |
|  | Insertable from end, flush with the cylinder profile | 3-core | – | 2.5 | 150 855 | SME-8-K-LED-24 | | |
| | | – | 3-pin | 0.3 | 150 857 | SME-8-S-LED-24 | | |
| NC contact | | | | | | | | |
|  | Insertable from above | 3-core | – | 7.5 | 525 906 | SME-8F-DO-24V-K7,5-OE | ☉ | |

| Ordering data – Plug sockets | | | | | | | Data sheets → 1 / 10.2-100 | |
|---|---------------|---------------|-----|------------|------------------|----------|----------------------------|--|
| | Mounting | Switch output | | Connection | Cable length [m] | Part No. | Type | |
| | | PNP | NPN | | | | | |
| Straight socket | | | | | | | | |
|  | M8 union nut | ■ | ■ | 3-pin | 2.5 | 159 420 | SIM-M8-3GD-2,5-PU | |
| | | | | | 5 | 159 421 | SIM-M8-3GD-5-PU | |
|  | M12 union nut | ■ | ■ | 3-pin | 2.5 | 159 428 | SIM-M12-3GD-2,5-PU | |
| | | | | | 5 | 159 429 | SIM-M12-3GD-5-PU | |
| Angled socket | | | | | | | | |
|  | M8 union nut | ■ | ■ | 3-pin | 2.5 | 159 422 | SIM-M8-3WD-2,5-PU | |
| | | | | | 5 | 159 423 | SIM-M8-3WD-5-PU | |
|  | M12 union nut | ■ | ■ | 3-pin | 2.5 | 159 430 | SIM-M12-3WD-2,5-PU | |
| | | | | | 5 | 159 431 | SIM-M12-3WD-5-PU | |


| Ordering data – Slot cover for slot type 8 | | | | |
|---|-----------------------|------------|----------|---------|
| | Mounting | Length [m] | Part No. | Type |
|  | Insertable from above | 2x 0.5 | 151 680 | ABP-5-S |

■ Core Range

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| Ordering data – One-way flow control valves | | | Technical data → Volume 2 | | |
|---|------------|-----------------|---------------------------|----------|------------------|
| | Connection | | Material | Part No. | Type |
| | Thread | For tubing O.D. | | | |
|  | M5 | 3 | Metal design | 193 137 | GRLA-M5-QS-3-D |
| | | 4 | | 193 138 | GRLA-M5-QS-4-D |
| | | 6 | | 193 139 | GRLA-M5-QS-6-D |
| | G1/8 | 3 | | 193 142 | GRLA-1/8-QS-3-D |
| | | 4 | | 193 143 | GRLA-1/8-QS-4-D |
| | | 6 | | 193 144 | GRLA-1/8-QS-6-D |
| | | 8 | | 193 145 | GRLA-1/8-QS-8-D |
| | G1/4 | 6 | | 193 146 | GRLA-1/4-QS-6-D |
| | | 8 | | 193 147 | GRLA-1/4-QS-8-D |
| | | 10 | | 193 148 | GRLA-1/4-QS-10-D |