



Key features

At a glance

Characteristics

- Linear motor axis with piston rod
- The electric cylinder consists of a freely positionable linear motor, integrated displacement encoder with magnetic strip, reference switch and plain bearings
- Enables positioning with very high dynamic response. Accelerations of up to 125 m/s² are possible without load
- Mechanical interfaces are largely compatible with the standard cylinder DNC
- Together with the motor controller SFC-LACI and the associated cables, it is a quickly commissioned positioning system for small loads

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from magazines – sorting parts quickly – for equipping and assembly

and removing small parts

• Positioning of small loads such as:

- placing small parts into

processes

Range of applications

Everything from a single source





Motor controller SFC-LACI → Internet: sfc-laci

The electric cylinder DNCE-LAS and motor controller SFC-LACI form one unit.

- Thanks to protection class IP54, the SFC can be mounted close to the DNCE, either:
 - via central supports or
 - via H-rail
- Just two cables are required between the electric cylinder DNCE and motor controller SFC (motor and encoder cable)
- The motor controller SFC is available with or without control panel
- Up to 31 positioning records
- Parameterisation via:
- Control panel:
- suitable for simple position sequences

Parameterisation via:FCT (Festo Configuration Tool)

- configuration package:
- via RS 232 interface
- Windows-based PC user interface, Festo Configuration Tool
- Easy actuation via:
 - I/O interface
 - Profibus
 - CANopen, incl. "interpolated position mode"





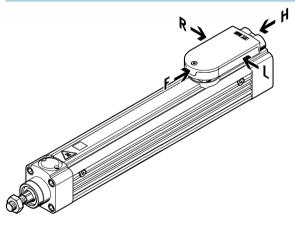


PROFIBUS[®], DeviceNet[®], CANopen[®] is a registered trademark of its respective trademark holder in certain countries.

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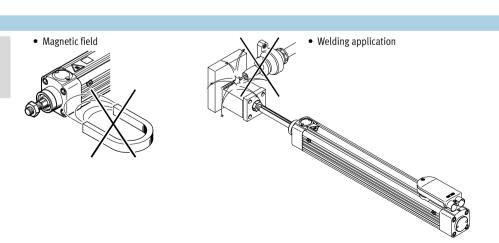
| | | DNCE |] – [| 32 | - | 100 | - [| LAS |] – [| F | _ | S1 |
|-------------|------------------------------|------|-------|----|---|-----|-----|-----|-------|---|---|----|
| | | | | | | | | | | | | |
| Туре | | | | | | | | | | | | |
| DNCE | Electric cylinder | | _ | | | | | | | | | |
| | | | | | | | | | | | | |
| Size | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Stroke [mr | n] | | | | | | | | | | | |
| | | | | | | | , | | | | | |
| Drive type/ | /motor technology | | | | | | | | | | | |
| LAS | Linear motor, AC synchronous | | | | | | | | 1 | | | |
| | | | | | | | | | | | | |
| Cable outle | et direction | | | | | | | | | | | |
| Н | To the rear | | | | | | | | | | | |
| F | To the front | | | | | | | | | | | |
| L | To the left | | | | | | | | | | | |
| R | To the right | | | | | | | | | | | |
| | | | | | | | | | | | | |
| Protection | class for electrics | | | | | | | | | | | |
| S1 | IP65 | | | | | | | | | | | |

Cable outlet direction

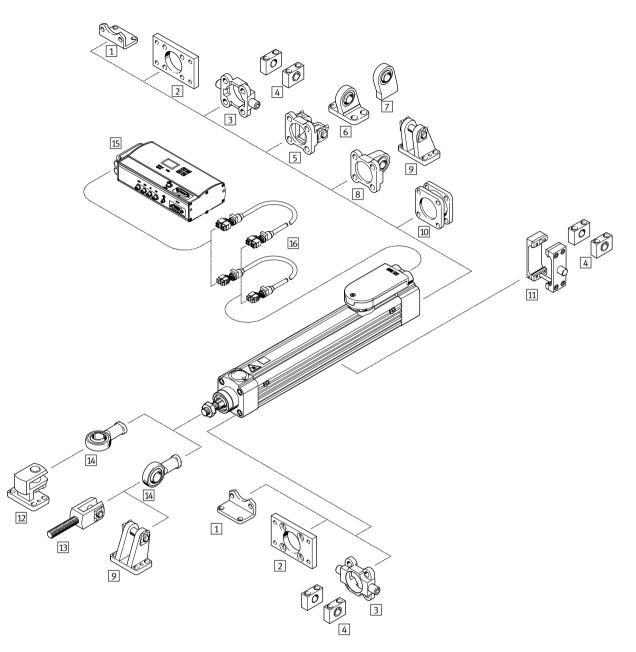


Instructions for use

The electric cylinder with linear motor is not designed for the following sample applications:



Electric cylinders DNCE-LAS, with linear motor Peripherals overview



Electric cylinders DNCE-LAS, with linear motor Peripherals overview



| Mou | nting attachments and acce | ssories | |
|-----|---------------------------------|---|-----------------|
| | | Brief description | → Page/Internet |
| 1 | Foot mounting HNC/CRHNC | For bearing or end caps | 16 |
| 2 | Flange mounting FNC/CRFNG | For bearing or end caps | 17 |
| 3 | Trunnion flange ZNCF/CRZNG | For bearing or end caps | 18 |
| 4 | Trunnion support LNZG/CRLNZG | For cylinders with trunnion mounting | 19 |
| 5 | Swivel flange SNC | For end caps | 20 |
| 6 | Clevis foot LSNG | With spherical bearing | 21 |
| 7 | Clevis foot LSNSG | Weld-on, with spherical bearing | 21 |
| 8 | Swivel flange SNCS | For end caps, with spherical bearing | 20 |
| 9 | Clevis foot LBG | With non-rotating pivot pin | 21 |
| 10 | Multi-position kit DPNC | For connecting two cylinders of the same size to form a multi-position cylinder | 18 |
| 11 | Trunnion mounting kit ZNCM | For mounting anywhere along the cylinder profile barrel | 21 |
| 12 | Right-angle clevis foot LQG | For rod eye SGS | 21 |
| 13 | Rod clevis SGA | For swivel attachment of cylinders | 21 |
| 14 | Rod eye SGS | With spherical bearing | 21 |
| 15 | Motor controller SFC-LACI | For parameterising and positioning the electric cylinder | sfc-laci |
| 16 | Motor/encoder cable NEBM | For connecting the motor and controller | sfc-laci |

Electric cylinders DNCE-LAS, with linear motor Technical data



-N-Size 32,40 Stroke length -T-100 ... 400 mm

Note

All values are based on a standard temperature of 23 °C. Dynamic response and accuracy are dependent on the mounting (rigidity) and temperature stresses (heat concentration).

www.festo.com/en/ Spare_parts_service



| General technical data | | | | | | | | | | | | |
|--------------------------------------|------------|---------------|------------------------------|-------------------|-----------------|------|------|------|--|--|--|--|
| Size | | 32 | | | 40 | | | | | | | |
| Stroke | [mm] | 100 | 200 | 320 | 100 | 200 | 320 | 400 | | | | |
| Mechanical | | | | | | | | | | | | |
| Design | | Electric line | Electric linear direct drive | | | | | | | | | |
| Drive unit operating mode | | Piston rod | Piston rod | | | | | | | | | |
| Type of mounting | Via female | thread | | | | | | | | | | |
| | | Via accesso | ories | | | | | | | | | |
| Mounting position | | Any | | | | | | | | | | |
| Continuous feed force ¹⁾ | [N] | 33.7 | 29.4 | 33.8 | 55.3 | 33.8 | 42.1 | 47.9 | | | | |
| Peak feed force ¹⁾ | [N] | 93.7 | 141 | 141 | 183 | 202 | 202 | 202 | | | | |
| Max. effective load without external | [kg] | 1.5 | 1 | 0.5 | 2.5 | 2.5 | 1.5 | 1.4 | | | | |
| guide (horizontal operation) | | | | | | | | | | | | |
| Max. effective load with external | [kg] | 2.8 | 6 | 4 | 3.4 | 6 | 6 | 6 | | | | |
| guide (horizontal operation) | | | | | | | | | | | | |
| Max. effective load without external | [kg] | 3 | 3 | 2 | 3 | 3 | 3 | 3 | | | | |
| guide (vertical operation) | | | | | | | | | | | | |
| Max. speed | [m/s] | 2 | 3 | 3 | 2 | 3 | 3 | 3 | | | | |
| Repetition accuracy | [mm] | ±0.02 | | | | | | | | | | |
| | | | | | | | | | | | | |
| Electric | | | | | | | | | | | | |
| Type of motor | | Linear AC s | | | | | | | | | | |
| Displacement encoder | | Relative me | easurement, mag | gnetic, increment | al, contactless | | | | | | | |
| Peak motor current | [A] | 5.9 | 16.2 | 16.2 | 7.65 | 22.5 | 22.5 | 22.5 | | | | |
| Nominal motor current | [A] | 2.1 | 3.3 | 3.9 | 2.25 | 3.7 | 4.6 | 5.2 | | | | |
| Rated motor output | [W] | 101 | 88 | 101 | 166 | 101 | 126 | 144 | | | | |
| Homing | | Integrated | reference senso | r – | | | | | | | | |

1) Disregarding friction

Electric cylinders DNCE-LAS, with linear motor Technical data



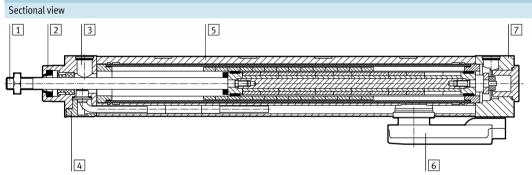
| Operating and environmental co | perating and environmental conditions | | | | | | | |
|--|---------------------------------------|--|--|--|--|--|--|--|
| Ambient temperature | [°C] | 0 +40 | | | | | | |
| Max. motor temperature | [°C] | 70 (warning at 70 °C, shut-off at 75 °C) | | | | | | |
| Standard temperature ¹⁾ | [°C] | 23 | | | | | | |
| Temperature monitoring | | Shuts off if motor overheats | | | | | | |
| Protection class (mechanical sys | tem) | IP40 | | | | | | |
| Protection class (electrical conne | ection) | IP40 (with DNCES1: IP65) | | | | | | |
| CE marking | | To EU EMC Directive | | | | | | |
| (see declaration of conformity) | | | | | | | | |
| Corrosion resistance class CRC ²⁾ | | 1 | | | | | | |

1) Unless otherwise stated, all values are based on standard temperature

Corrosion resistance class 1 according to Festo standard 940 070
 Components subject to low corrosion stress. Transport and storage protection. Parts that do not have primarily decorative surface requirements, e.g. in internal areas that are not visible or behind covers

| Weight [g] | | | | | | | | |
|----------------|------|-------|-------|-------|-------|-------|-------|-------|
| Size | | 32 | | | 40 | | | |
| Stroke | [mm] | 100 | 200 | 320 | 100 | 200 | 320 | 400 |
| Product weight | | 2,570 | 3,170 | 3,750 | 4,560 | 5,420 | 6,420 | 7,000 |
| Moving load | | 530 | 610 | 710 | 1,340 | 1,470 | 1,630 | 1,750 |

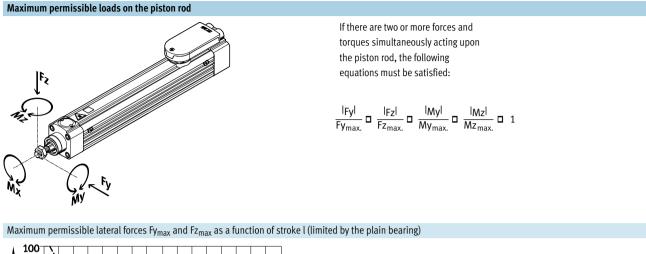
Materials

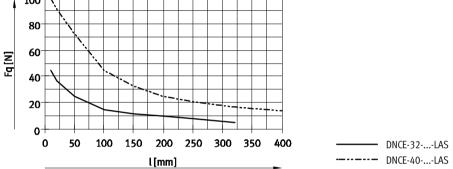


Electric cylinder

| Electric cylinder | |
|-------------------|---|
| 1 Piston rod | High-alloy stainless steel |
| 2 Bearing cap | Anodised wrought aluminium alloy |
| 3 Filter disc | Sintered bronze |
| 4 Distance piece | Anodised wrought aluminium alloy |
| 5 Cylinder barrel | Anodised wrought aluminium alloy |
| 6 Terminal strip | Die-cast zinc |
| 7 End cap | Anodised wrought aluminium alloy |
| – Screws | Galvanised steel |
| Note on materials | Contains PWIS (paint-wetting impairment substances) |
| | RoHS-compliant |

Technical data





Maximum permissible forces and torques

| Size | | 32 | 40 |
|---------------------------------------|------|--------------------------|----|
| Mx _{max} | [Nm] | No torques are permitted | |
| My _{max} , Mz _{max} | [Nm] | 2 | 5 |

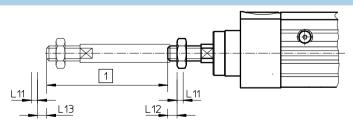
Note

PositioningDrives sizing software

→ www.festo.com

Stroke reserve and cushioning length

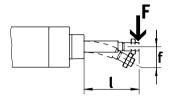
Working stroke:
 The recommended, available
 operating range
 L12, L13 Stroke reserve:
 The distance from the end positions
 of the working stroke to the buffers
 L11 Cushioning length:
 The distance from the buffer surface
 to the mechanical end position



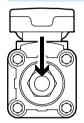
| S | iize | Retracted | | Advanced | | | |
|---|--------|-----------|-----|----------|-----|--|--|
| | | L12 | L11 | L13 | L11 | | |
| 3 | 2 [mm] | 3.3 | 2 | 5.9 | 2 | | |
| 4 | 0 [mm] | 3.1 | 2 | 3.7 | 2 | | |

Technical data

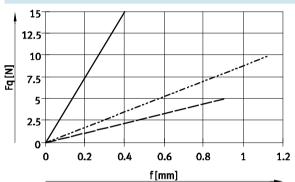
Piston rod displacement f, with fully advanced piston rod, as a function of lateral force Fq



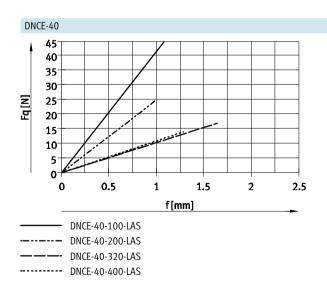
Mounting position

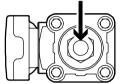


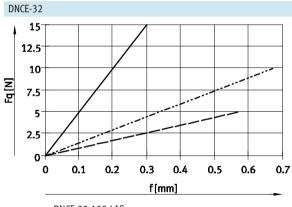
DNCE-32



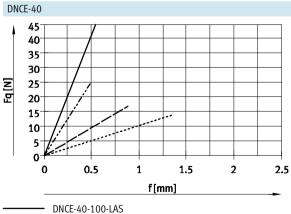
- DNCE-32-100-LAS ----- DNCE-32-200-LAS ----- DNCE-32-320-LAS







DNCE-32-100-LAS ----- DNCE-32-200-LAS ----- DNCE-32-320-LAS



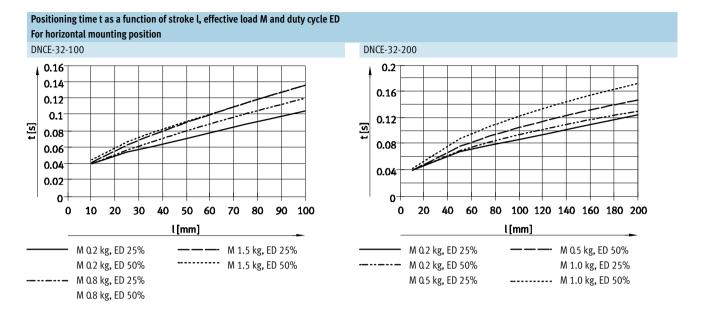
----- DNCE-40-200-LAS

--- DNCE-40-320-LAS

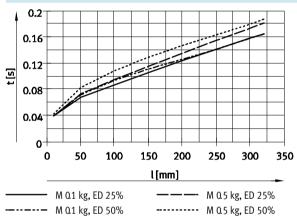
----- DNCE-40-400-LAS

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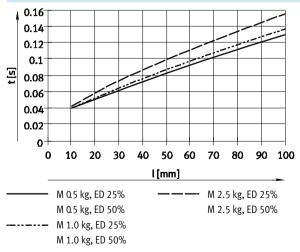
Technical data



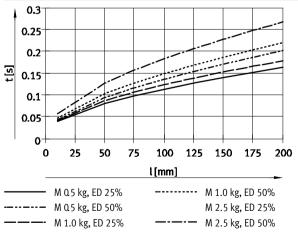
DNCE-32-320



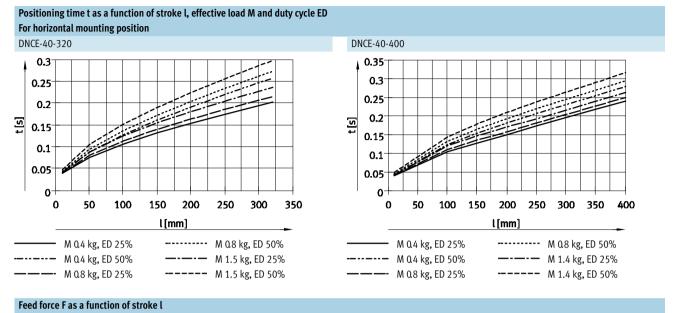
DNCE-40-100







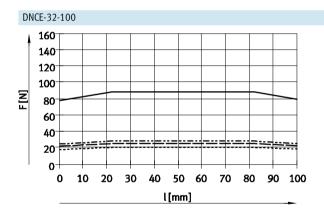
Technical data



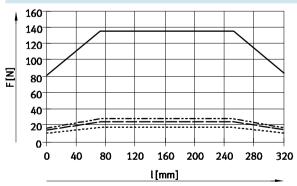
The graphs are based on practical values with friction taken into

account.

Peak feed force



DNCE-32-320



 Continuous feed force at ambient temperature:

 ------ from 23 °C

 ------ from 30 °C

 ------ from 40 °C

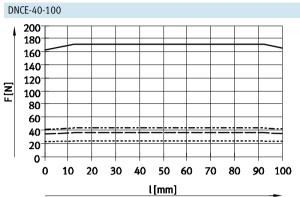
DNCE-32-200

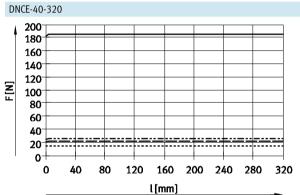
Peak feed force

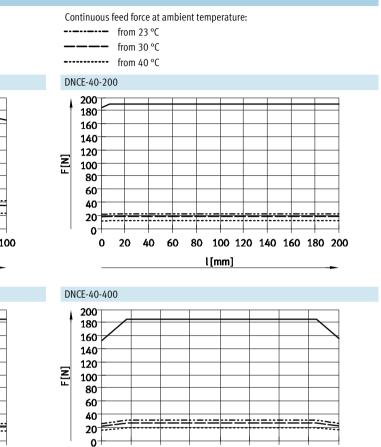
Technical data

Feed force F as a function of stroke l

The graphs are based on practical values with friction taken into account.







50

0

100

150

200

l[mm]

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250 300 350

400

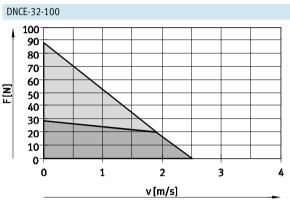
Electric cylinders DNCE-LAS, with linear motor Technical data

- Friction taken into account

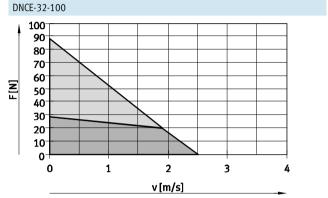
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Feed force F as a function of speed v

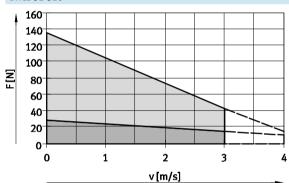
The graphs are based on practical values under the following conditions:

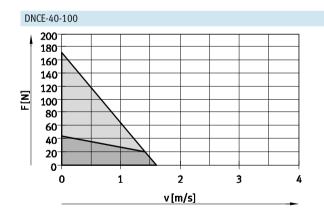


- Stroke centre of the electric cylinder Standard temperature of 23 °C
 - Max. motor temperature of 70 °C
- Peak feed force Continuous feed force _ Non-permissible range

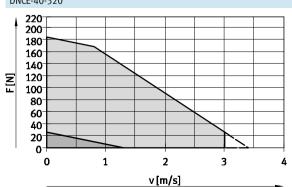


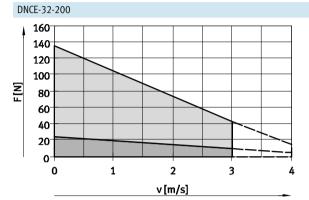


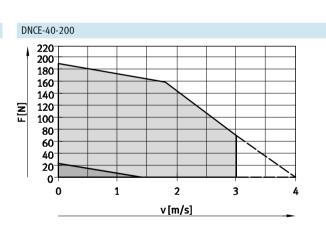


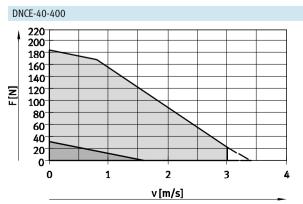








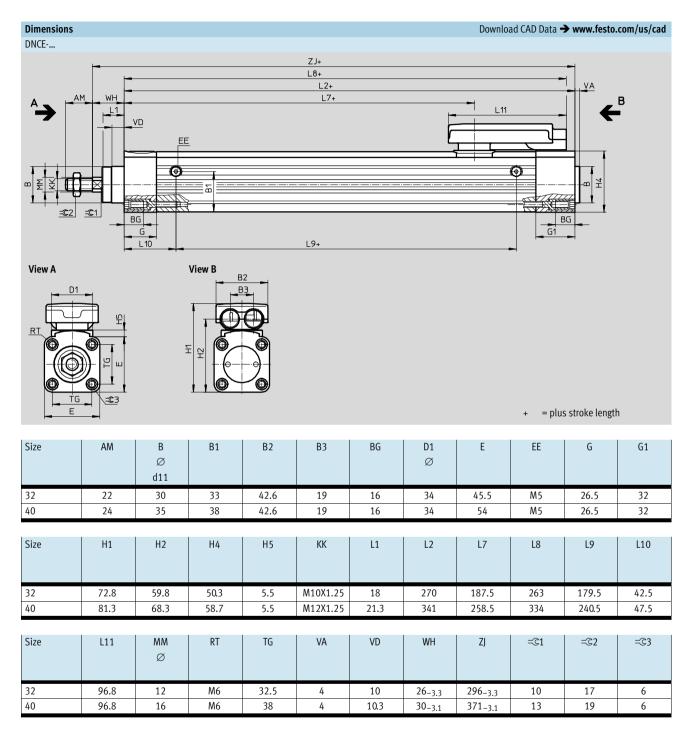




2013/07 - Subject to change

→ Internet: www.festo.com/catalog/...

Electric cylinders DNCE-LAS, with linear motor Technical data



Electric cylinders DNCE-LAS, with linear motor Ordering data – Modular products



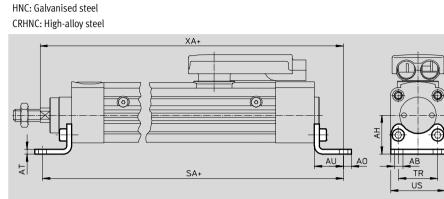
| Ordering table | | | | | |
|--------------------------------|-------------------|--------|----------------|------|---------------|
| Size | 32 | 40 | Conditio ns | Code | Enter code |
| M Module No. | 562830 | 562831 | | | |
| Function | Electric cylinder | | | DNCE | DNCE |
| Size | 32 | 40 | | | |
| Stroke [mm] | 100 | 100 | | | |
| | 200 | 200 | | | |
| | 320 | 320 | | | |
| | - | 400 | | | |
| Drive type | Linear motor | | | -L | -L |
| Motor technology | AC synchronous | | | AS | AS |
| Cable outlet direction | To the rear | | | -Н | |
| | To the front | | | -F | |
| | To the left | | | -L | |
| | To the right | | | -R | |
| Protection class for electrics | IP65 | | | -S1 | |

Transfer order code AS DNCE – L --_ -

Material:

Foot mounting HNC/CRHNC





Free of copper and PTFE

= plus stroke length

| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|----|-----|----|----|-----|----|----|-----|--|--|--|--|
| For size | AB Ø | AH | AO | AT | AU | SA | TR | US | ХА | | | | |
| [mm] | ~ | | | | | | | | | | | | |
| 32 | 7 | 32 | 6.5 | 4 | 24 | 318 | 32 | 45 | 320 | | | | |
| 40 | 10 | 36 | 9 | 4 | 28 | 397 | 36 | 54 | 399 | | | | |

| For size | Basic version | | | | High corrosion protection | | | | | |
|----------|-------------------|--------|----------|--------|---------------------------|--------|----------|----------|--|--|
| | CRC ¹⁾ | Weight | Part No. | Туре | CRC ¹⁾ | Weight | Part No. | Туре | | |
| [mm] | | [g] | | | | [g] | | | | |
| 32 | 2 | 144 | 174369 | HNC-32 | 4 | 139 | 176937 | CRHNC-32 | | |
| 40 | 2 | 193 | 174370 | HNC-40 | 4 | 188 | 176938 | CRHNC-40 | | |

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

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

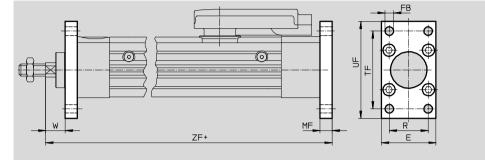
Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required

Accessories

Flange mounting FNC/CRFNG



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



= plus stroke length +

| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|-----|----|----|----|----|----|-----|--|--|--|--|--|
| For size | E | FB | MF | R | TF | UF | W | ZF | | | | | |
| | | Ø | | | | | | | | | | | |
| [mm] | | H13 | | | | | | | | | | | |
| 32 | 45 | 7 | 10 | 32 | 64 | 80 | 16 | 306 | | | | | |
| 40 | 54 | 9 | 10 | 36 | 72 | 90 | 20 | 381 | | | | | |

| For size | Basic versi | Basic version | | | | High corrosion protection | | | | |
|----------|-------------------|---------------|----------|--------|-------------------|---------------------------|----------|----------|--|--|
| | CRC ¹⁾ | Weight | Part No. | Туре | CRC ¹⁾ | Weight | Part No. | Туре | | |
| [mm] | | [g] | | | | [g] | | | | |
| 32 | 1 | 221 | 174376 | FNC-32 | 4 | 225 | 161846 | CRFNG-32 | | |
| 40 | 1 | 291 | 174377 | FNC-40 | 4 | 300 | 161847 | CRFNG-40 | | |

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

Components with light corrosion exposure. Protection for transport and storage. Components without significant decorative function or surface, e.g. installed out of sight internally or behind covers. Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required



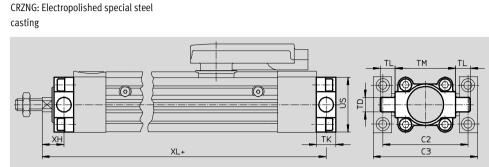
Material:

ZNCF: Stainless steel casting

Accessories

Trunnion flange ZNCF/CRZNG





Free of copper and PTFE

RoHS-compliant

+ = plus stroke length

| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|-----|---------------|----|----|----|----|----|-----|--|--|--|--|
| For size [mm] | C2 | C3 | TD Ø e9 | ТК | TL | ТМ | US | ХН | XL | | | | |
| 22 | 74 | 0.4 | 40 | 11 | 40 | 50 | | 10 | 20/ | | | | |
| 32 | /1 | 86 | 12 | 16 | 12 | 50 | 45 | 18 | 304 | | | | |
| 40 | 87 | 105 | 16 | 20 | 16 | 63 | 54 | 20 | 381 | | | | |

| For size | Basic versi | on | | | High corrosion protection | | | | | |
|----------|-------------------|--------|----------|---------|---------------------------|--------|----------|----------|--|--|
| | CRC ¹⁾ | Weight | Part No. | Туре | CRC ¹⁾ | Weight | Part No. | Туре | | |
| [mm] | | [g] | | | | [g] | | | | |
| 32 | 2 | 150 | 174411 | ZNCF-32 | 4 | 150 | 161852 | CRZNG-32 | | |
| 40 | 2 | 285 | 174412 | ZNCF-40 | 4 | 285 | 161853 | CRZNG-40 | | |

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

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Corrosion resistance class 4 according to Festo standard 940 070

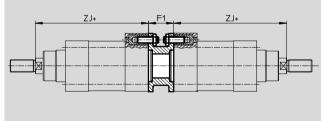
Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required

Multi-position kit DPNC

Material: Flange: Wrought aluminium alloy

Threaded studs, hex nuts: Galvanised steel Free of copper and PTFE RoHS-compliant





+ = plus stroke length

| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|-----|--------|----------------|--|--|--|--|--|--|--|--|--|
| For size | F1 | ZJ | Weight | Part No. Type | | | | | | | | | |
| [mm] | | | [g] | | | | | | | | | | |
| 32 | 27 | 296 | 85 | 174418 DPNC-32 | | | | | | | | | |
| 40 | 27 | 371 | 115 | 174419 DPNC-40 | | | | | | | | | |

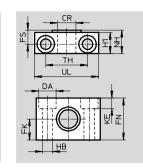
FESTO

Accessories

Trunnion support LNZG

Material: Trunnion support: Anodised aluminium Plain bearing: Plastic Free of copper and PTFE **RoHS-compliant**



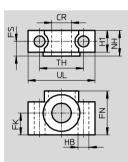


| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | | | |
|------------------|------------------------------|-----|------|----|------|----|-----|-----|----|------|----|-------------------|--------|----------|------------|
| For size | CR | DA | FK | FN | FS | H1 | HB | KE | NH | TH | UL | CRC ¹⁾ | Weight | Part No. | Туре |
| | Ø | Ø | Ø | | | | Ø | | | | | | | | |
| [mm] | D11 | H13 | ±0.1 | | | | H13 | | | ±0.2 | | | [g] | | |
| 32 | 12 | 11 | 15 | 30 | 10.5 | 15 | 6.6 | 6.8 | 18 | 32 | 46 | 2 | 83 | 32959 | LNZG-32 |
| 40 | 16 | 15 | 18 | 36 | 12 | 18 | 9 | 9 | 21 | 36 | 55 | 2 | 129 | 32960 | LNZG-40/50 |

Trunnion support CRLNZG

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





| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|------|----|------|----|-----|----|------|----|-------------------|--------|----------|--------------|
| For size | CR | FK | FN | FS | H1 | HB | NH | TH | UL | CRC ¹⁾ | Weight | Part No. | Туре |
| | Ø | Ø | | | | Ø | | | | | | | |
| [mm] | D11 | ±0.1 | | | | H13 | | ±0.2 | | | [g] | | |
| 32 | 12 | 15 | 30 | 10.5 | 15 | 6.6 | 18 | 32 | 46 | 4 | 205 | 161874 | CRLNZG-32 |
| 40 | 16 | 18 | 36 | 12 | 18 | 9 | 21 | 36 | 55 | 4 | 323 | 161875 | CRLNZG-40/50 |

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

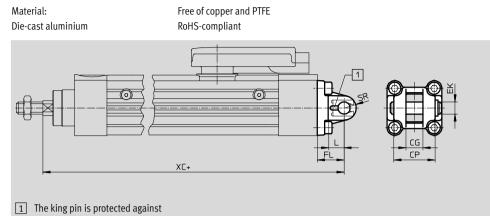
Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

Corrosion resistance class 4 according to Festo standard 940 070 Components subject to particularly high corrosion stress. Parts used with aggressive media, e.g. in the food or chemical industry. These applications should be supported with special tests with the media if required

Accessories

Swivel flange SNC





- rotation with a dowel pin
- = plus stroke length +

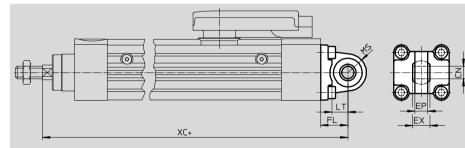
| Dimensions and ordering data | | | | | | | | | | | |
|------------------------------|-----|-----|---------|------|----|----|-----|-------------------|--------|----------|--------|
| For size | CG | СР | EK Ø | FL | L | SR | XC | CRC ¹⁾ | Weight | Part No. | Туре |
| [mm] | H14 | h14 | | ±0.2 | | | | | [g] | | |
| 32 | 14 | 34 | 10 | 22 | 13 | 10 | 318 | 2 | 90 | 174383 | SNC-32 |
| 40 | 16 | 40 | 12 | 25 | 16 | 12 | 396 | 2 | 120 | 174384 | SNC-40 |

Swivel flange SNCS

Material: Die-cast aluminium

Free of copper and PTFE RoHS-compliant





= plus stroke length

Dimensions and ordering data

| For size | CN | EP | EX | FL | LT | MS | XC | CRC ¹⁾ | Weight | Part No. | Туре | |
|----------|----|------|----|------|----|----|-----|-------------------|--------|----------|---------|--|
| | Ø | | | | | | | | | | | |
| [mm] | H7 | +0.2 | | ±0.2 | | | | | [g] | | | |
| 32 | 10 | 10.5 | 14 | 22 | 13 | 15 | 318 | 2 | 85 | 174397 | SNCS-32 | |
| 40 | 12 | 12 | 16 | 25 | 16 | 17 | 396 | 2 | 125 | 174398 | SNCS-40 | |

Corrosion resistance class 2 according to Festo standard 940 070
 Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

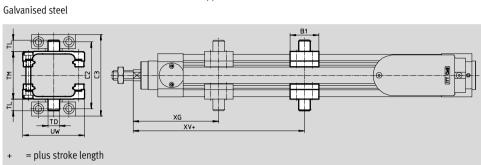
Accessories

Trunnion mounting kit ZNCM



Free of copper and PTFE





Note

The kit can be mounted axially anywhere on the cylinder barrel between the positions XG and XV+stroke. The kit can only be mounted as shown in the drawing and not turned by 90°. The bolt on the top side must be removed for attachment.

| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|----|----|-----|----|----|----|----|-----|-----|--|--|--|
| For size | B1 | C2 | C3 | TD | TL | TM | UW | XG | XV | | | |
| | | | | Ø | | | | | | | | |
| [mm] | | | | e9 | | | | | | | | |
| 32 | 30 | 71 | 86 | 12 | 12 | 50 | 65 | 90 | 80 | | | |
| 40 | 32 | 87 | 105 | 16 | 16 | 63 | 75 | 100 | 150 | | | |

| For size | Max. tightening torque | CRC ¹⁾ | Weight | Part No. | Туре |
|----------|------------------------|-------------------|--------|----------|---------|
| [mm] | [Nm] | | [g] | | |
| 32 | 4+1 | 2 | 224 | 163525 | ZNCM-32 |
| 40 | 8+1 | 2 | 396 | 163526 | ZNCM-40 |

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

Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents

| Ordering data | – Mounting attac | hments | | | | Tech | nical data 🗲 Internet: clevis fo |
|-----------------|------------------|----------|---------|----------------|----------------|----------|----------------------------------|
| Designation | For size | Part No. | Туре | Designation | For size | Part No. | Туре |
| Clevis foot LSN | G | | | Clevis foot LS | NSG | | |
| | 32 | 31740 | LSNG-32 | | 32 | 31747 | LSNSG-32 |
| | 40 | 31741 | LSNG-40 | | 40 | 31748 | LSNSG-40 |
| Clevis foot LBG | i | | | Right-angle c | levis foot LQG | | |
| R. | 32 | 31761 | LBG-32 | | 32 | 31768 | LQG-32 |
| | 40 | 31762 | LBG-40 | | 40 | 31769 | LQG-40 |

| Ordering data | – Piston rod attach | ments | | | Techn | ical data 🗲 | Internet: piston rod attachments |
|---------------|---------------------|----------|--------------|----------------|----------|-------------|----------------------------------|
| Designation | For size | Part No. | Туре | Designation | For size | Part No. | Туре |
| Rod eye SGS | | | | Rod clevis SGA | | | |
| ~ ® | 32 | 9261 | SGS-M10x1,25 | | 32 | 32954 | SGA-M10x1,25 |
| Ø . | 40 | 9262 | SGS-M12x1,25 | | 40 | 10767 | SGA-M12x1,25 |
| Ø | | | | ý í | | | |

Product Range and Company Overview

A Complete Suite and Company Overview

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



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Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

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Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 16,000 employees in 60 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

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To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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Subject to change

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