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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

Range of applications

- Positioning of small loads such as:
 - placing small parts into and removing small parts from magazines
 - sorting parts quickly
 - for equipping and assembly processes

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"
- DeviceNet

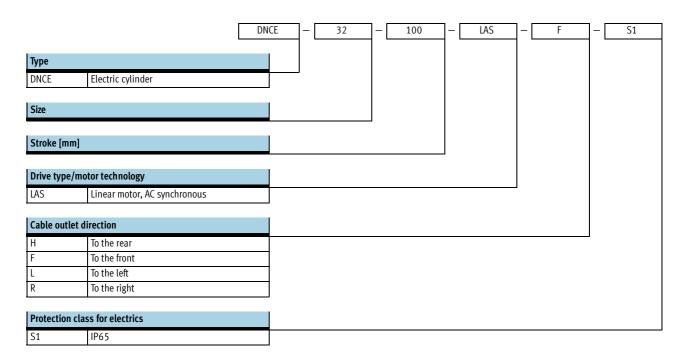




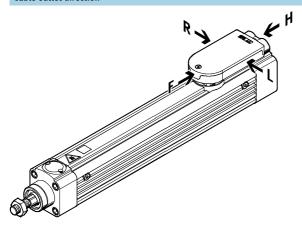
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3

Type codes

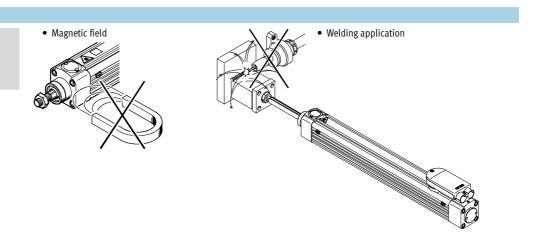


Cable outlet direction



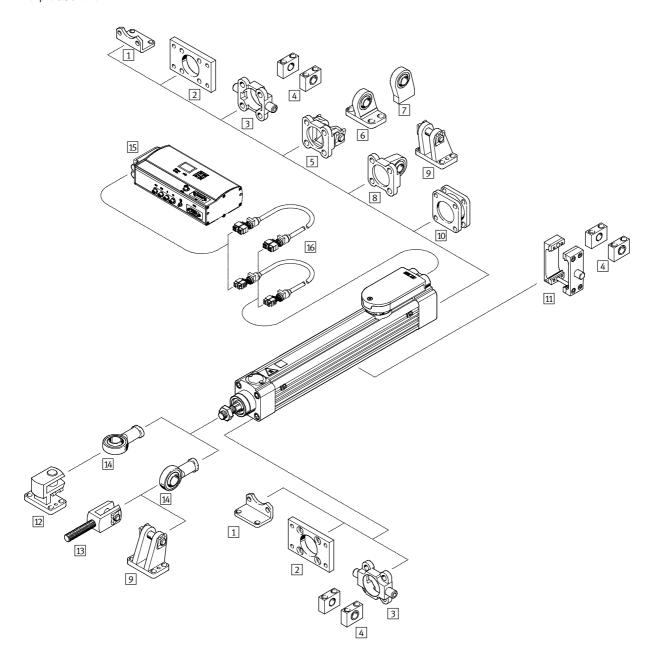
Instructions for use

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



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

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Function



Size 32,40

Stroke length 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).





| General technical data | | | | | | | | | | | | |
|-------------------------------------------|----------------|-----------------|------------------------------|--------------------|-------------|------|------|------|--|--|--|--|
| Size | | 32 | | | 40 | | | | | | | |
| Stroke | [mm] | 100 | 200 | 320 | 100 | 200 | 320 | 400 | | | | |
| Mechanical | | | | | | | | | | | | |
| Design | | Electric linear | Electric linear direct drive | | | | | | | | | |
| Drive unit operating mode | | Piston rod | Piston rod | | | | | | | | | |
| Type of mounting | Via female thr | ead | | | | | | | | | | |
| | Via accessorie | Via accessories | | | | | | | | | | |
| 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 serv | o motor | | | | | | | | | |
| Displacement encoder | | | | ic, incremental, c | contactloss | | | | | | | |
| Peak motor current | [4] | 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 | | | | |
| | [A] [W] | 101 | 88 | 101 | 166 | 101 | 126 | 144 | | | | |
| Rated motor output | [VV] | | 1 | 101 | 100 | 101 | 126 | 144 | | | | |
| Homing | | Integrated refe | erence sensor | | | | | | | | | |

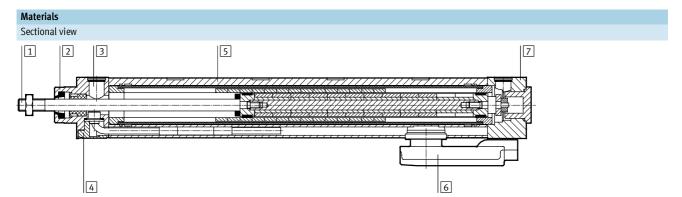
¹⁾ Disregarding friction



| Operating and environmental conditions | 5 | | | | | | |
|----------------------------------------------|----|------------------------------------------|--|--|--|--|--|
| 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 system) | | IP40 | | | | | |
| Protection class (electrical connection) | | IP40 (with DNCES1: IP65) | | | | | |
| CE marking | | To EU EMC Directive | | | | | |
| (see declaration of conformity) | | | | | | | |
| Corrosion resistance class CRC ²⁾ | | 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 | | | |

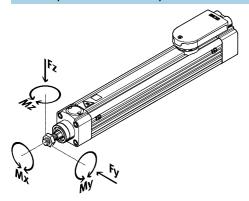


| Elect | ric cylinder | |
|-------|-------------------|-----------------------------------------------------|
| 1 | Piston rod | High-alloy stainless steel |
| 2 | Bearing cap | Anodised wrought aluminium alloy |
| 3 | Filter disc | Sintered bronze |
| 4 | Distance piece | Anodised wrought aluminium 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 |

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Technical data

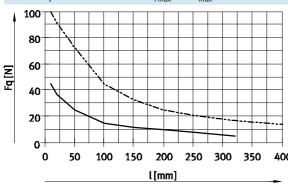
Maximum permissible loads on the piston rod



If there are two or more forces and torques simultaneously acting upon the piston rod, the following equations must be satisfied:

$$\frac{|Fy|}{Fy_{max.}} + \frac{|F_Z|}{Fz_{max.}} + \frac{|My|}{My_{max.}} + \frac{|Mz|}{Mz_{max.}} \leq 1$$

Maximum permissible lateral forces Fy_{max} and Fz_{max} as a function of stroke I (limited by the plain bearing)



——— DNCE-32-...-LAS
———— DNCE-40-...-LAS

Maximum permissible forces and torques

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



Stroke reserve and cushioning length

1 Working stroke:

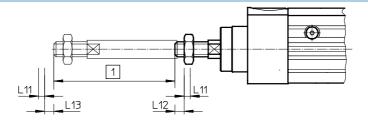
The recommended, available operating range

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

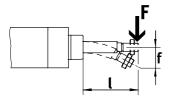


| Size | | Retracted | | Advanced | | | |
|------|------|-----------|-----|----------|-----|--|--|
| | | L12 | L11 | L13 | L11 | | |
| 32 | [mm] | 3.3 | 2 | 5.9 | 2 | | |
| 40 | [mm] | 3.1 | 2 | 3.7 | 2 | | |

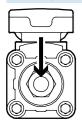
8

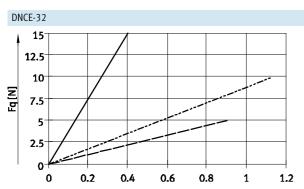


Piston rod displacement f, with fully advanced piston rod, as a function of lateral force Fq



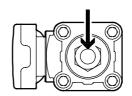
Mounting position

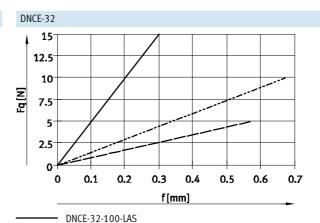




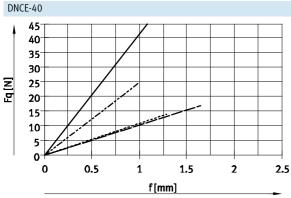
f[mm]

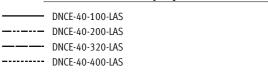
DNCE-32-100-LAS ---- DNCE-32-200-LAS ——— DNCE-32-320-LAS

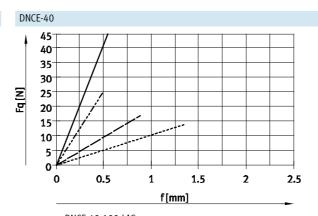




---- DNCE-32-200-LAS ---- DNCE-32-320-LAS







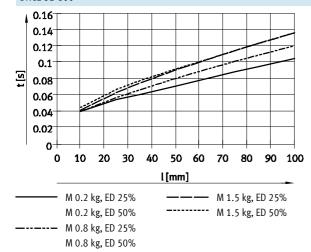
DNCE-40-100-LAS DNCE-40-200-LAS DNCE-40-320-LAS ----- DNCE-40-400-LAS



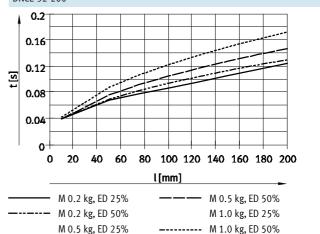
Technical data

Positioning time t as a function of stroke l, effective load M and duty cycle ED For horizontal mounting position

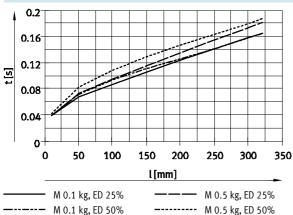




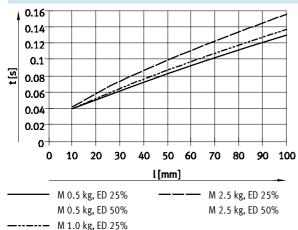
DNCE-32-200



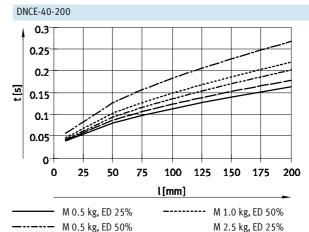
DNCE-32-320







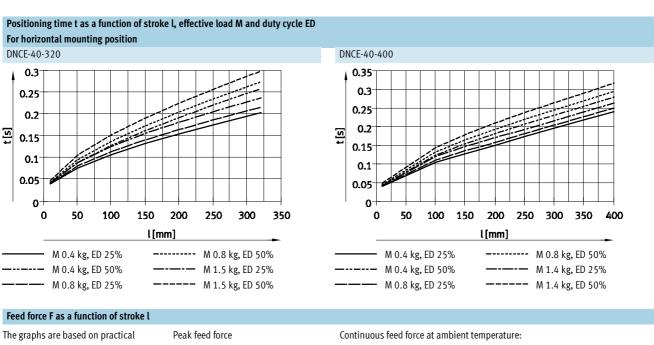
M 1.0 kg, ED 50%



M 1.0 kg, ED 25%

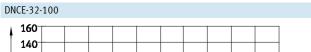
M 2.5 kg, ED 50%

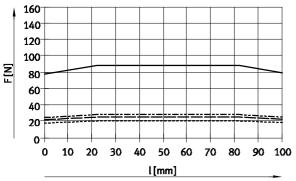


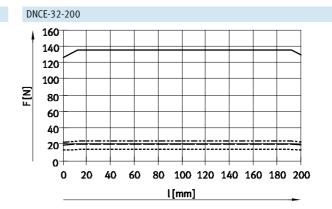


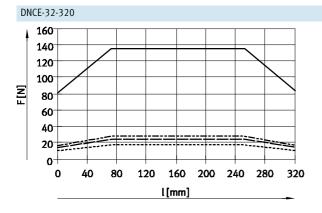
values with friction taken into account.

----- from 23 °C -- from 30 °C ----- from 40 °C



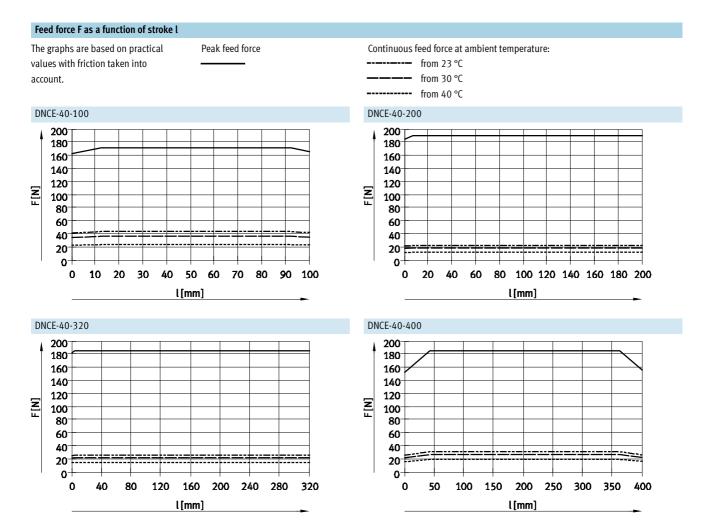






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Technical data



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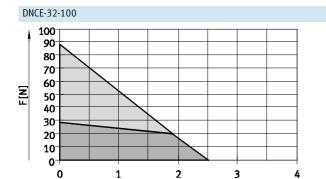
Feed force F as a function of speed v

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

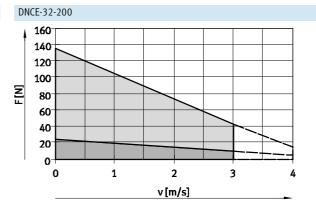
- Stroke centre of the electric cylinder
- Friction taken into account
- Standard temperature of 23 °C
- Max. motor temperature of 70 °C

Peak feed force Continuous feed force

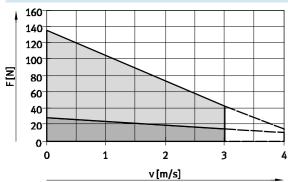
Non-permissible range



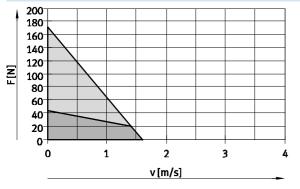
v [m/s]



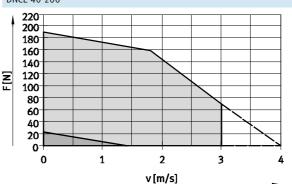
DNCE-32-320



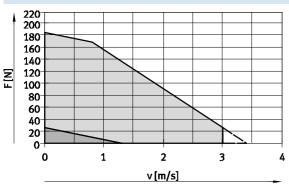




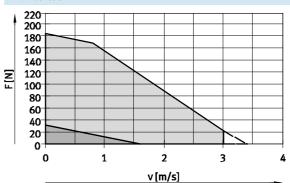
DNCE-40-200



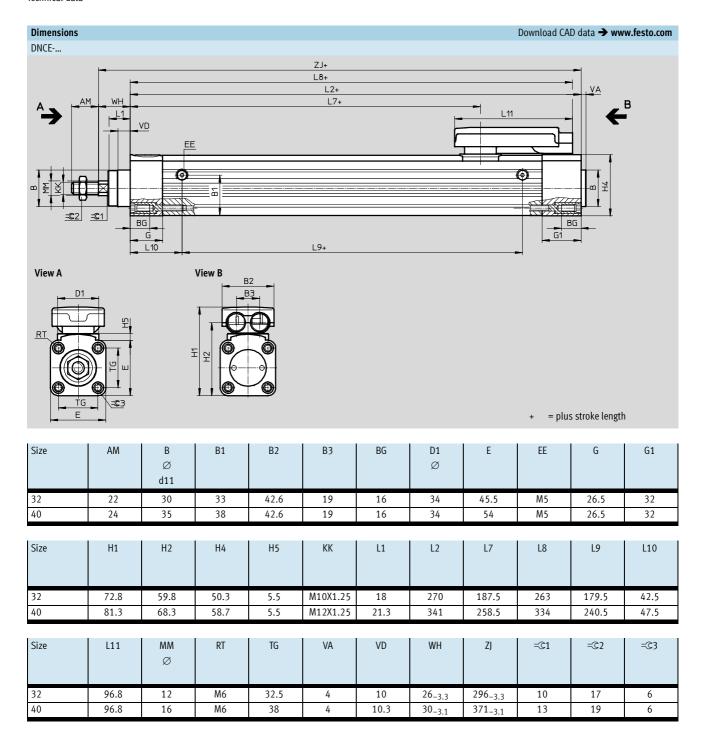
DNCE-40-320



DNCE-40-400







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



| 0r | dering table | | | | | | |
|-----|--------------------------------|-------------------|-------------|-----------------|------|---------------|--|
| Siz | ze | 32 | 40 | Condi- tions | 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 | To the rear | | | | |
| | | To the front | | | -F | | |
| | | To the left | | -L | | | |
| | | To the right | | -R | | | |
| 0 | Protection class for electrics | IP65 | | | -S1 | | |

| Transfer order | cod | e | | | | | | | | |
|----------------|-----|------|---|---|---|---|----|---|---|--|
| | • | DNCE | - | _ | - | L | AS | - | - | |

Electric cylinders DNCE-LAS, with linear motor Accessories



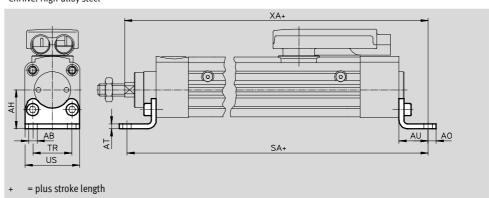
Foot mounting HNC/CRHNC

Material:

Free of copper and PTFE

HNC: Galvanised steel CRHNC: High-alloy steel





| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | | | |
|------------------|------------------------------|----|-----|----|----|-----|----|----|-----|--|--|--|--|--|--|
| For size | AB | AH | AO | AT | AU | SA | TR | US | XA | | | | | | |
| | Ø | | | | | | | | | | | | | | |
| [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 | on | | | 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
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

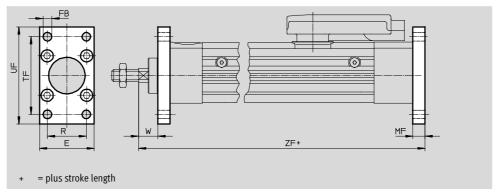
Electric cylinders DNCE-LAS, with linear motor Accessories

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Flange mounting FNC/CRFNG

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





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

| For size | Basic versi | on | | | High corros | sion protection | on | |
|----------|-------------------|--------|----------|--------|-------------------|-----------------|----------|----------|
| | 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

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Accessories

Trunnion flange ZNCF/CRZNG

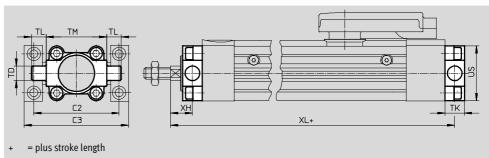
Material:

Free of copper and PTFE RoHS-compliant

ZNCF: Stainless steel casting CRZNG: Electropolished special steel

casting





| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | | |
|------------------|------------------------------|-----|---------------|-----|-----|----|----|-----|-----|--|--|--|--|--|
| For size [mm] | C2 | C3 | TD ∅ e9 | TK | TL | TM | US | ХН | XL | | | | | |
| | 74 | 0.6 | 4.2 | 1.6 | 4.2 | 50 | | 1.0 | 201 | | | | | |
| 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 corros | ion protection | on | |
|----------|-------------------|--------|----------|---------|-------------------|----------------|----------|----------|
| | 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

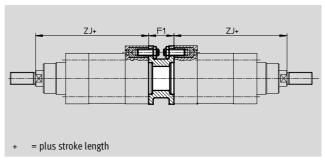
Corrosion resistance class 4 according to Festo standard 940 070

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





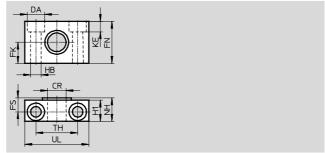
| Dimensions and o | rdering data | | | |
|------------------|--------------|-----|--------|----------------|
| For size | F1 | ZJ | Weight | Part No. Type |
| [mm] | | | [g] | |
| 32 | 27 | 296 | 85 | 174418 DPNC-32 |
| 40 | 27 | 371 | 115 | 174419 DPNC-40 |

FESTO

Trunnion support LNZG

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



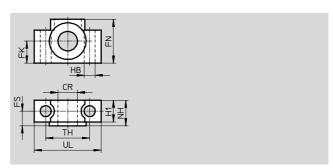


| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | | | |
|------------------|------------------------------|-----|------|----|------|----|-----|-----|----|------|----|-------------------|--------|----------|------------|
| For size | CR | DA | FK | FN | FS | H1 | HB | KE | NH | 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

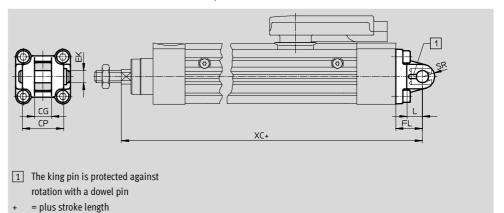
Electric cylinders DNCE-LAS, with linear motorAccessories

FESTO

Swivel flange SNC

Material: Die-cast aluminium Free of copper and PTFE RoHS-compliant



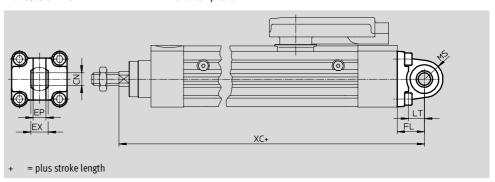


| Dimensions and o | Dimensions and ordering data | | | | | | | | | | | | |
|------------------|------------------------------|-----|----|------|----|----|-----|-------------------|--------|----------|--------|--|--|
| For size | CG | CP | EK | FL | L | SR | XC | CRC ¹⁾ | Weight | Part No. | Type | | |
| | | | Ø | | | | | | | | | | |
| [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





| Dimensions and o | rdering 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 |

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

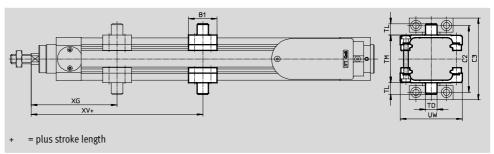
Electric cylinders DNCE-LAS, with linear motor Accessories



Trunnion mounting kit ZNCM/DAMT

Material: Galvanised steel 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 o | 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 | 2213233 | DAMT-V1-32-A |
| 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 attachn | nents | | | | Tech | nical data → Internet: clevis foot |
|-----------------|--------------------|----------|---------|-----------------|---------------|----------|------------------------------------|
| Designation | For size | Part No. | Туре | Designation | For size | Part No. | Туре |
| Clevis foot LSN | G | | | Clevis foot LSN | ISG | | |
| | 32 | 31740 | LSNG-32 | | 32 | 31747 | LSNSG-32 |
| | 40 | 31741 | LSNG-40 | | 40 | 31748 | LSNSG-40 |
| Clevis foot LBG | | | | Right-angle cl | evis foot LQG | | |
| 800 | 32 | 31761 | LBG-32 | | 32 | 31768 | LQG-32 |
| CE CE | 40 | 31762 | LBG-40 | | 40 | 31769 | LQG-40 |

| Ordering data - | – Piston rod attachr | nents | | | Techni | cal 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 |
| | 40 | 9262 | SGS-M12x1,25 | | 40 | 10767 | SGA-M12x1,25 |
| | | | | | | | |