

Linear drives DGC-K



Linear drives DGC

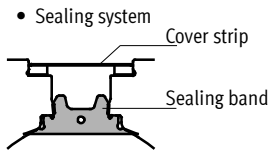
Features

At a glance

- Without external guide, for simple drive functions
- Compact – fitting length relative to stroke
- Fully interchangeable with the linear drive DGP
- Easy assembly and installation
- Choice of:
 - Standard piston
 - Extended piston
- Optional: NSF-H1 lubricant for the food industry

The linear drive is of limited suitability for the food industry.

More information on suitability for use in the food industry
 → Manufacturer's declaration.



- Advantages of the sealing system:
- Long strokes with no restrictions
 - Virtually no leakage

Guide variants

Compact design DGC-K



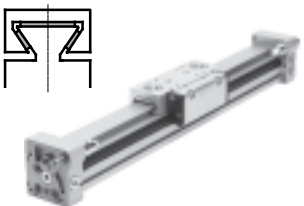
- Piston \varnothing 18 ... 80 mm
- Stroke lengths from 1 ... 8,500 mm
- 30% narrower than the DGC-G
- Low moving dead weight
- Symmetrical design

Basic design DGC-G



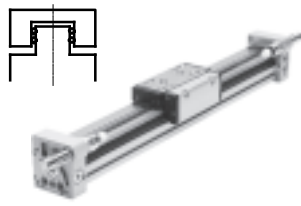
- Piston \varnothing 8 ... 63 mm
- Stroke lengths from 1 ... 8,500 mm
- Guide backlash = 0.2 mm
- For small loads
- Operating behaviour with torque load = average

Plain-bearing guide DGC-GF



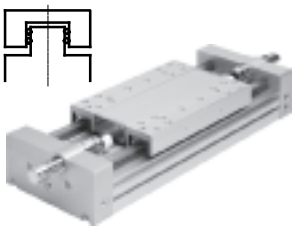
- Piston \varnothing 18 ... 63 mm
- Stroke lengths from 1 ... 8,500 mm
- Guide backlash = 0.05 mm
- For small and medium loads
- Operating behaviour with torque load = average

Recirculating ball bearing guide DGC-KF



- Piston \varnothing 8 ... 63 mm
- Stroke lengths from 1 ... 8,500 mm
- Guide backlash = 0 mm
- For medium and large loads
- Precision mounting interface with stainless steel slide
- Operating behaviour under torque load = very good

Heavy-duty guide DGC-HD



- Piston \varnothing 18, 25, 40 mm
- Stroke lengths from 10 ... 5,000 mm
- Guide backlash = 0 mm
- For large loads
- Operating behaviour under torque load = very good

Passive guide axis DGC-FA



- Without drive
- Piston \varnothing 8 ... 63 mm
- Stroke lengths from 1 ... 8,500 mm
- Guide backlash = 0 mm
- Precision guide, suitable for DGC-KF. Can be used as machine component or as twin guide with DGC-KF

D2 – Compressed air connection at both ends



The compressed air connections on the linear drive DGC-K are located on the end caps as standard.

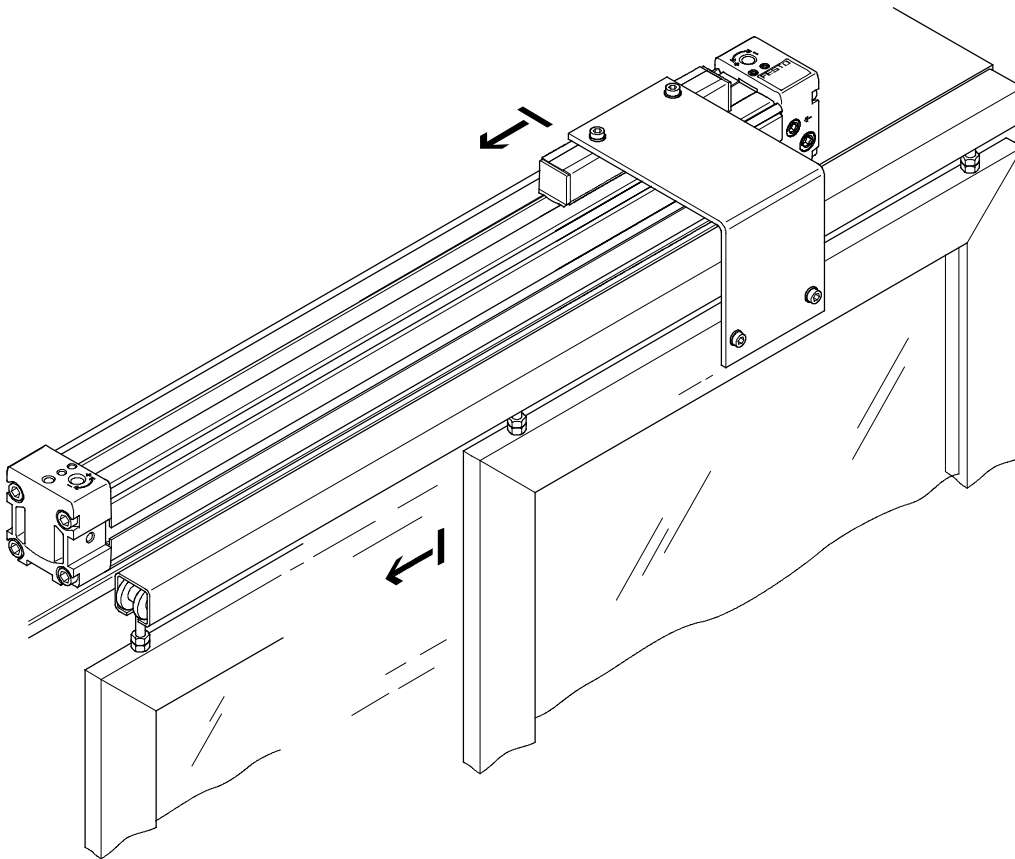
The linear drive can be actuated at both ends by specifying order code D2 in the modular product system.

Linear drives DGC

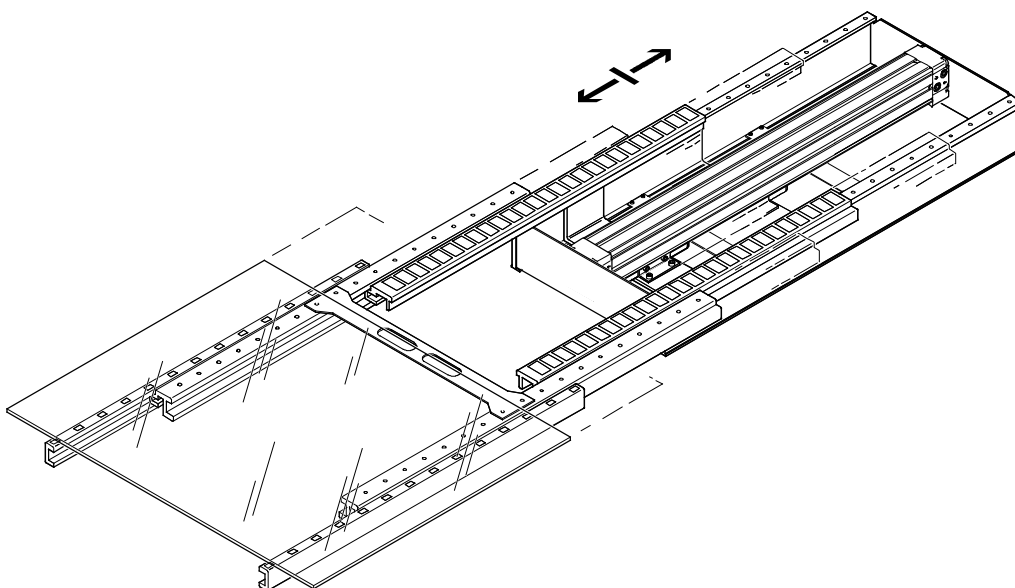
Features

Application examples

For opening and closing doors



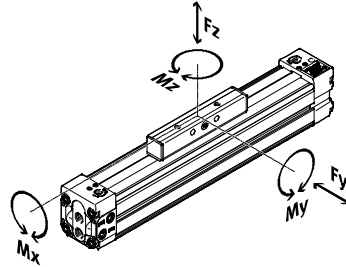
For transporting glass plates






Linear drives DGC

Product range overview

Product variants

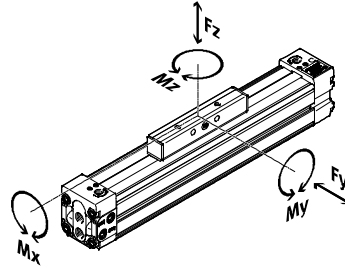




| | Piston \varnothing [mm] | Theoretical force at 6 bar [N] | Guide characteristics | | | | | → Page/ Internet |
|-------------------------------------------------------------------------------------|------------------------------|--------------------------------------|-----------------------|-----------|------------|------------|------------|---------------------|
| | | | Fy [N] | Fz [N] | Mx [Nm] | My [Nm] | Mz [Nm] | |
| Compact design DGC-K | | | | | | | | |
|  | 18 | 153 | – | 120 | 0.8 | 11 | 1 | 8 |
| | 25 | 295 | – | 330 | 1.2 | 20 | 3 | |
| | 32 | 483 | – | 480 | 1.9 | 40 | 5 | |
| | 40 | 754 | – | 800 | 3.8 | 60 | 8 | |
| | 50 | 1,178 | – | 1,200 | 6 | 120 | 15 | |
| | 63 | 1,870 | – | 1,600 | 5.7 | 150 | 24 | |
| | 80 | 3,016 | – | 2,500 | 30.6 | 400 | 100 | |
| Basic design DGC-G | | | | | | | | |
|  | 8 | 30 | 150 | 150 | 0.5 | 2 | 2 | dgc |
| | 12 | 68 | 300 | 300 | 1.3 | 5 | 5 | |
| | 18 | 153 | 70 | 340 | 1.9 | 12 | 4 | |
| | 25 | 295 | 180 | 540 | 4 | 20 | 5 | |
| | 32 | 483 | 250 | 800 | 9 | 40 | 12 | |
| | 40 | 754 | 370 | 1,100 | 12 | 60 | 25 | |
| | 50 | 1,178 | 480 | 1,600 | 20 | 150 | 37 | |
| | 63 | 1,870 | 650 | 2,000 | 26 | 150 | 48 | |
| Plain-bearing guide DGC-GF | | | | | | | | |
|  | 18 | 153 | 440 | 540 | 3.4 | 20 | 8.5 | dgc |
| | 25 | 295 | 640 | 1,300 | 8.5 | 40 | 20 | |
| | 32 | 483 | 900 | 1,800 | 15 | 70 | 33 | |
| | 40 | 754 | 1,380 | 2,000 | 28 | 110 | 54 | |
| | 50 | 1,178 | 1,500 | 2,870 | 54 | 270 | 103 | |
| | 63 | 1,870 | 2,300 | 4,460 | 96 | 450 | 187 | |

Linear drives DGC

Product range overview

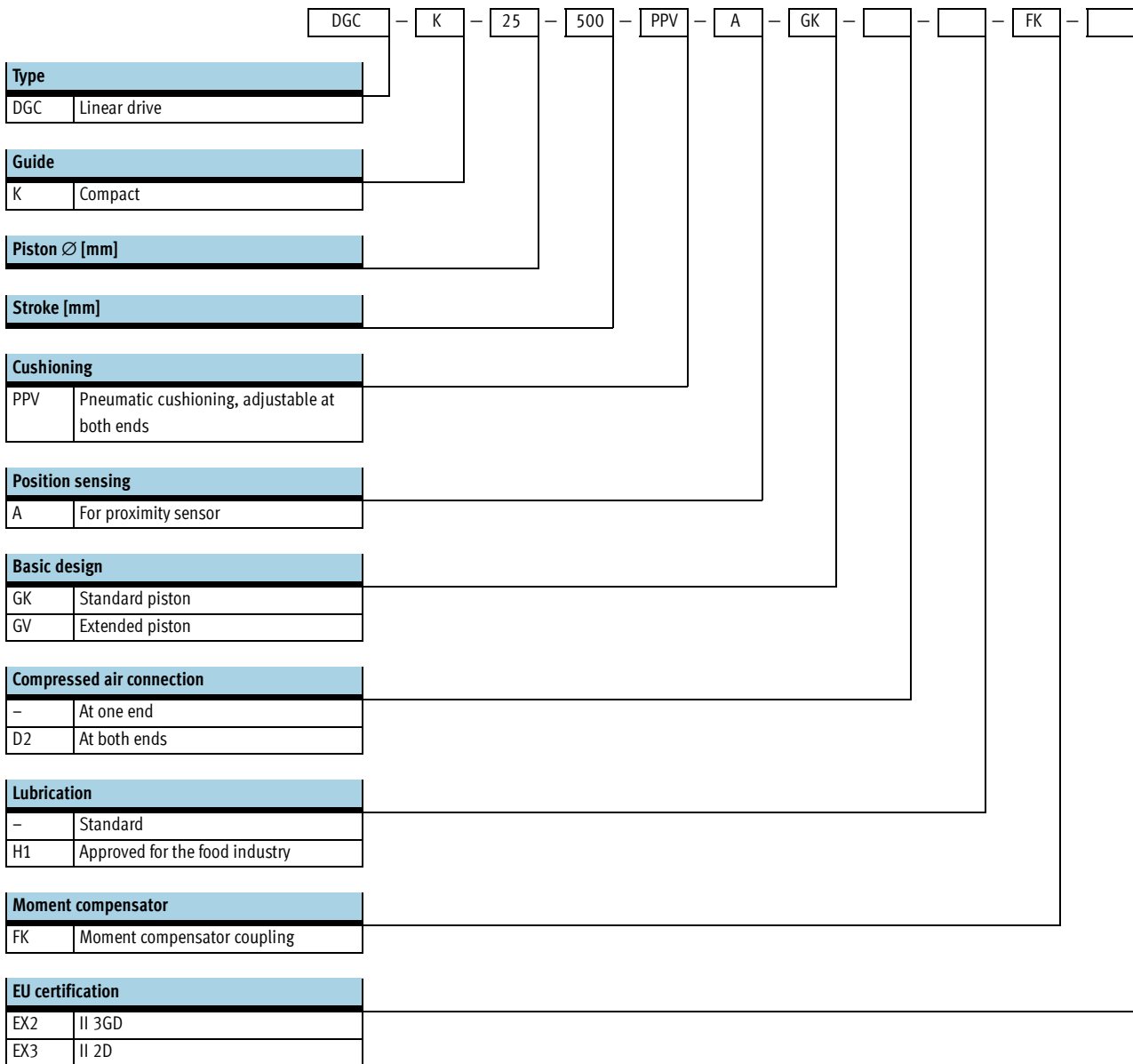
Product variants



| | Piston \varnothing [mm] | Theoretical force at 6 bar [N] | Guide characteristics | | | | | → Page/ Internet |
|-------------------------------------------------------------------------------------|------------------------------|--------------------------------------|-----------------------|-----------|------------|------------|------------|---------------------|
| | | | Fy [N] | Fz [N] | Mx [Nm] | My [Nm] | Mz [Nm] | |
| Recirculating ball bearing guide DGC-KF | | | | | | | | |
|  | 8 | 30 | 300 | 300 | 1.7 | 4.5 | 4.5 | dgc |
| | 12 | 68 | 650 | 650 | 3.5 | 10 | 10 | |
| | 18 | 153 | 1,850 | 1,850 | 16 | 51 | 51 | |
| | 25 | 295 | 3,050 | 3,050 | 36 | 97 | 97 | |
| | 32 | 483 | 3,310 | 3,310 | 54 | 150 | 150 | |
| | 40 | 754 | 6,890 | 6,890 | 144 | 380 | 380 | |
| | 50 | 1,178 | 6,890 | 6,890 | 144 | 634 | 634 | |
| 63 | 1,870 | 15,200 | 15,200 | 529 | 1,157 | 1,157 | | |
| Heavy-duty guide DGC-HD | | | | | | | | |
|  | 18 | 153 | 3,650 | 3,650 | 140 | 275 | 275 | dgc-hd |
| | 25 | 295 | 5,600 | 5,600 | 300 | 500 | 500 | |
| | 40 | 754 | 13,000 | 13,000 | 900 | 1,450 | 1,450 | |

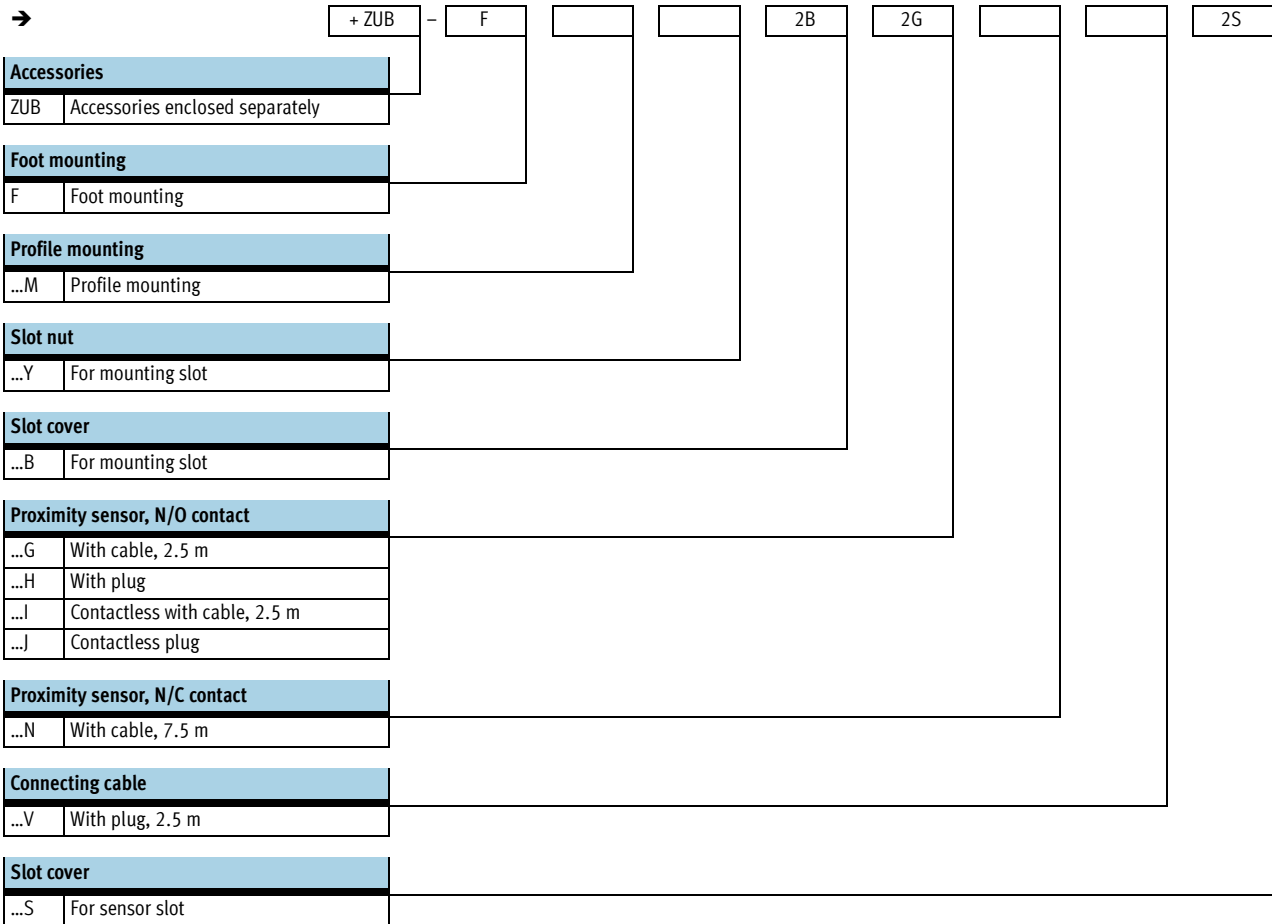
Linear drives DGC-K

Type codes



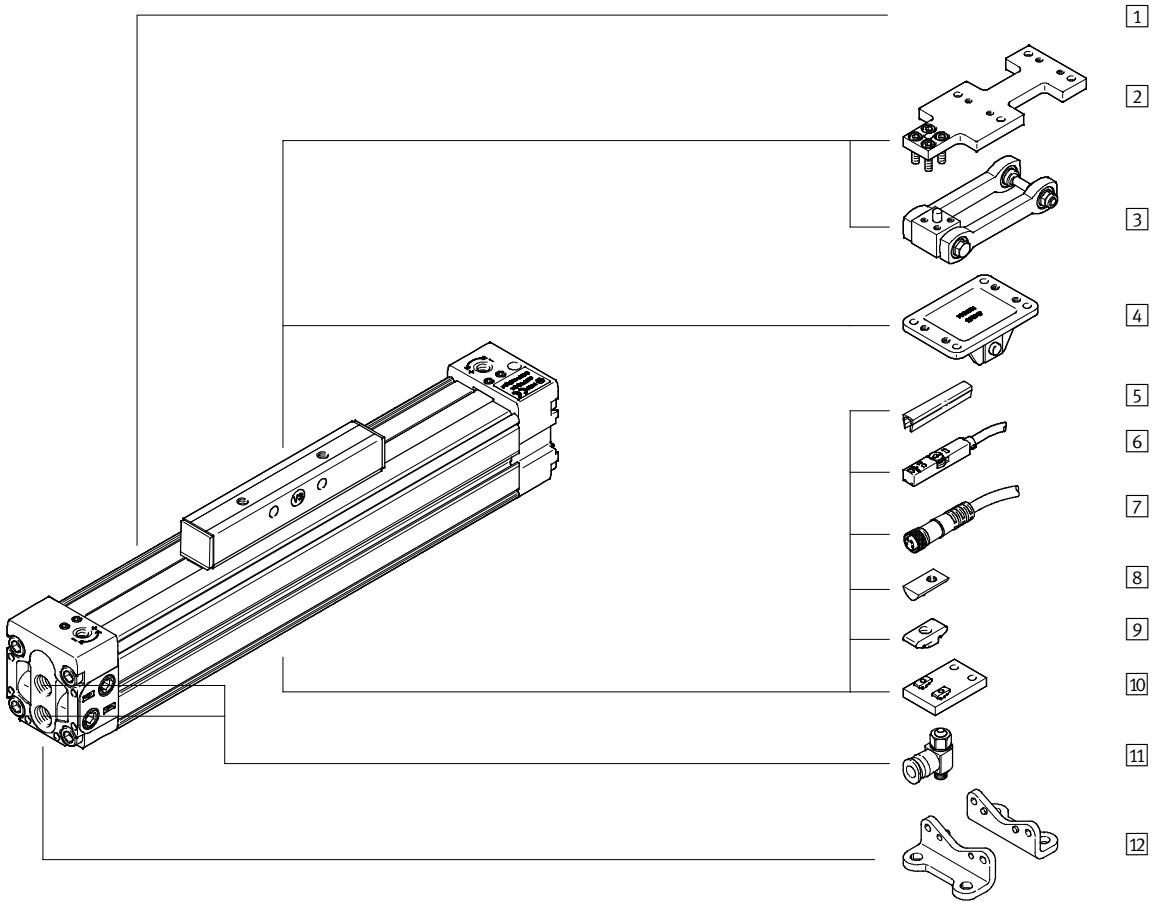
Linear drives DGC-K

Type codes



Linear drives DGC-K

Peripherals overview



Linear drives DGC-K

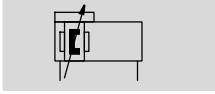
Peripherals overview



| Accessories | | | |
|-------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|
| | Type | Brief description | → Page/Internet |
| 1 | Linear drive DGC-K | Pneumatic linear drive with moment compensator | 10 |
| 2 | Adapter plate DAMF | Has the same interface as the moment compensator FKP with the linear drive DGP | 32 |
| 3 | Moment compensator DARD-...-M | For compensating misalignments when using external guides | 30 |
| 4 | Moment compensator FK (type: DARD-...-S) | For compensating misalignments when using external guides. Has the same interface as the moment compensator FKP with the linear drive DGP | 28 |
| 5 | Slot cover B/S | For protecting against the ingress of dirt and securing proximity sensor cables | 34 |
| 6 | Proximity sensor G/H/I/J/N | For sensing the moment compensator position | 34 |
| 7 | Connecting cable V | <ul style="list-style-type: none"> For proximity sensor | 35 |
| 8 | Slot nut for mounting slot Y (type: NST) | <ul style="list-style-type: none"> For mounting components Piston \varnothing 18 and 25: cannot be used with DGC-...-D2 (Compressed air connection at both ends) | 34 |
| 9 | Slot nut for mounting slot Y (type: ABAN) | <ul style="list-style-type: none"> For mounting components Piston \varnothing 18 and 25: possible with all combinations | 34 |
| 10 | Central support M | For mounting the axis, particularly with long strokes | 27 |
| 11 | One-way flow control valve GRLA | For regulating speed | 34 |
| 12 | Foot mounting F | For mounting the axis | 26 |

Linear drives DGC-K

Technical data

Function



-  Diameter
18 ... 80 mm
-  Stroke length
1 ... 8,500 mm

| General technical data | | | | | | | |
|--------------------------------|-----------------------------------|-------------------------|----|------|-------------|-------------|-------------|
| Piston Ø | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Design | Pneumatic linear drive with slide | | | | | | |
| Guide | Slotted cylinder barrel | | | | | | |
| Mode of operation | Double-acting | | | | | | |
| Stroke [mm] | 1 ... 3,000 | 1 ... 8,500 | | | 1 ... 6,000 | 1 ... 5,000 | 1 ... 3,000 |
| Pneumatic connection | M5 | G1/8 | | G1/4 | | G3/8 | G1/2 |
| Cushioning | PPV | Adjustable at both ends | | | | | |
| Cushioning length [mm] | 16 | 18 | 20 | 30 | 30 | 30 | 83 |
| Max. speed | | | | | | | |
| With PPV cushioning [m/s] | 2 | | | | | | |
| With external cushioning [m/s] | 3 | | | | | | |
| Position sensing | For proximity sensor | | | | | | |
| Type of mounting | With accessories | | | | | | |
| Mounting position | Any | | | | | | |

| Operating and environmental conditions | | | | | | | |
|----------------------------------------------|----------------------------------------------------------------------|----|----|----|-----------|----|----|
| Piston Ø | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Operating pressure [bar] | 2 ... 8 | | | | 1.5 ... 8 | | |
| Operating medium | Compressed air in accordance with ISO 8573-1:2010 [7:-:-] | | | | | | |
| Note on the operating/control medium | Lubricated operation possible (required during subsequent operation) | | | | | | |
| Ambient temperature ¹⁾ [°C] | -10 ... +60 | | | | | | |
| Corrosion resistance class CRC ²⁾ | 1 | | | | | | |

- 1) Note operating range of proximity sensors
 2) 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.

| ATEX ¹⁾ | |
|---------------------------------------------|-------------------------------------------------|
| Explosion-proof temperature rating | -10°C ≤ Ta ≤ +60°C |
| CE marking (see declaration of conformity) | As per EU Explosion Protection Directive (ATEX) |
| EX2 certification | |
| ATEX category for gas | II 3G |
| Explosion ignition protection type for gas | c T4 X |
| ATEX category for dust | II 3D |
| Explosion ignition protection type for dust | c T120°C X |
| EX3 certification | |
| ATEX category for gas | II 2G |
| Explosion ignition protection type for gas | c T4 X |

- 1) Note the ATEX certification of the accessories.

Linear drives DGC-K

Technical data

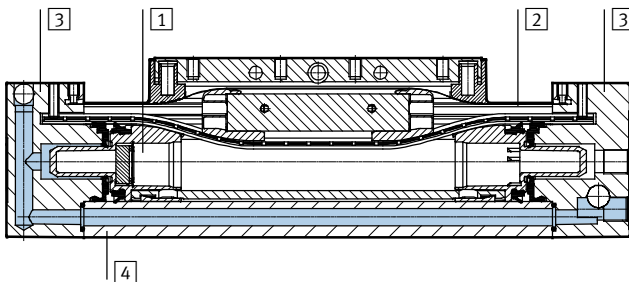
| Forces [N] and impact energy [J] | | | | | | | |
|-------------------------------------------------------|------|------|------|------|-------|-------|-------|
| Piston Ø | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Theoretical force at 6 bar | 153 | 295 | 483 | 754 | 1,178 | 1,870 | 3,016 |
| Max. impact energy in the end positions ¹⁾ | 0.04 | 0.05 | 0.12 | 0.25 | 0.5 | 0.5 | 3 |

1) Permissible residual impact energy following PPV cushioning

| Weight [g] | | | | | | | |
|------------------------------------|-----|-------|-------|-------|-------|--------|--------|
| Piston Ø | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Basic weight with 0 mm stroke | | | | | | | |
| DGC-...-GK | 370 | 933 | 1,319 | 2,450 | 5,438 | 8,620 | 16,775 |
| DGC-...-GV | 630 | 1,343 | 1,999 | 3,620 | 8,073 | 13,000 | - |
| Additional weight per 10 mm stroke | | | | | | | |
| DGC-...-GK | 18 | 29 | 37 | 53 | 100 | 137 | 157 |
| DGC-...-GV | 18 | 29 | 37 | 53 | 100 | 137 | - |
| Moving load | | | | | | | |
| DGC-...-GK | 64 | 136 | 227 | 360 | 1,095 | 1,782 | 5,000 |
| DGC-...-GV | 130 | 261 | 427 | 700 | 1,713 | 2,704 | - |

Materials

Sectional view



| Linear drives | | |
|---------------|-------------------------|--------------------|
| 1 | Slide | Anodised aluminium |
| 2 | Sealing band/cover band | Polyurethane/steel |
| 3 | Cover | Painted aluminium |
| 4 | Cylinder barrel | Anodised aluminium |
| - | Piston seal | Polyurethane |
| - | Slide elements | Polyacetal |
| | Note on materials | RoHS-compliant |

Linear drives DGC-K

Technical data

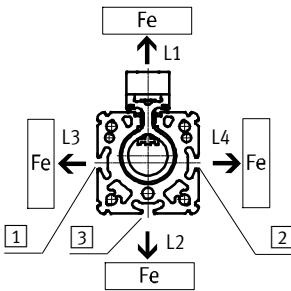
Influence of ferritic materials on proximity sensors

Ferritic materials (steel parts or panels) directly next to the proximity sensors can cause sensing

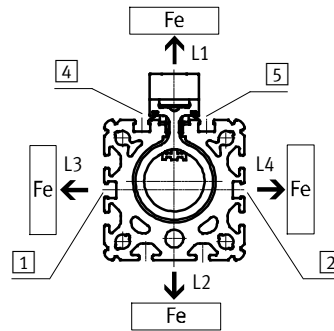
malfunctions. The following safety distances must be observed.

The distance depends on the position of the proximity sensor (see [1] and [2]).

Piston Ø 18/25



Piston Ø 32 ... 80



| Position | | L1 | L2 | L3 | L4 |
|--------------------|------|----|----|----|----|
| Piston Ø 18 | | | | | |
| [1] | [mm] | 0 | 10 | 30 | 0 |
| [2] | [mm] | 0 | 10 | 0 | 30 |
| [3] | [mm] | 0 | 30 | 10 | 10 |
| Piston Ø 25 | | | | | |
| [1] | [mm] | 0 | 0 | 10 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 10 |
| [3] | [mm] | 0 | 10 | 0 | 0 |

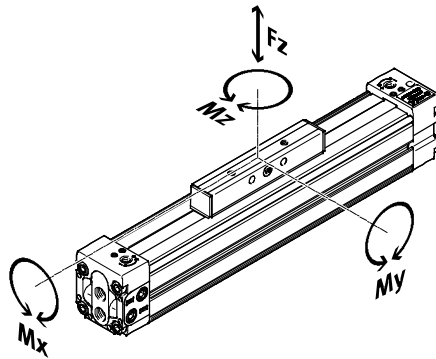
| Position | | L1 | L2 | L3 | L4 |
|--------------------|------|----|----|----|----|
| Piston Ø 32 | | | | | |
| [1] | [mm] | 0 | 0 | 10 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 10 |
| [4] and [5] | [mm] | 10 | 0 | 0 | 0 |
| Piston Ø 40 | | | | | |
| [1] | [mm] | 0 | 0 | 30 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 30 |
| [4] and [5] | [mm] | 30 | 0 | 0 | 0 |
| Piston Ø 50 | | | | | |
| [1] | [mm] | 0 | 0 | 10 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 10 |
| [4] and [5] | [mm] | 10 | 0 | 0 | 0 |
| Piston Ø 63 | | | | | |
| [1] | [mm] | 0 | 0 | 20 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 20 |
| [4] and [5] | [mm] | 20 | 0 | 0 | 0 |
| Piston Ø 80 | | | | | |
| [1] | [mm] | 0 | 0 | 10 | 0 |
| [2] | [mm] | 0 | 0 | 0 | 10 |
| [4] and [5] | [mm] | 10 | 0 | 0 | 0 |

Linear drives DGC-K

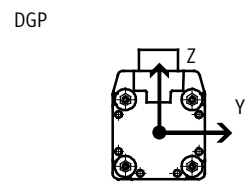
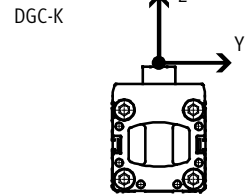
Technical data

Characteristic load values

The indicated forces and torques refer to the surface of the slide. These values must not be exceeded during dynamic operation. Special attention must be paid to the deceleration phase.



Comparison of the reference system with DGC-K and DGP:




If the drive is simultaneously subjected to several of the forces and torques indicated below, the following equations must be met in addition to the specified maximum loads:

$$0,4 \times \frac{Fz}{Fz_{max.}} + \frac{Mx}{Mx_{max.}} + \frac{My}{My_{max.}} + 0,2 \times \frac{Mz}{Mz_{max.}} \leq 1$$

$$\frac{Fz}{Fz_{max.}} \leq 1 \quad \frac{Mz}{Mz_{max.}} \leq 1$$

| Permissible forces and torques | | | | | | | | |
|--------------------------------|------|-----|-----|-----|-----|-------|-------|-------|
| Piston Ø | | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Fz_{max.} | | | | | | | | |
| DGC-...-GK | [N] | 120 | 330 | 480 | 800 | 1,200 | 1,600 | 2,500 |
| DGC-...-GV | [N] | 120 | 330 | 480 | 800 | 1,200 | 1,600 | - |
| Mx_{max.} | | | | | | | | |
| DGC-...-GK | [Nm] | 0.8 | 1.2 | 1.9 | 3.8 | 6 | 5.7 | 30.6 |
| DGC-...-GV | [Nm] | 1.6 | 2.4 | 3.8 | 7.6 | 12 | 11.4 | - |
| My_{max.} | | | | | | | | |
| DGC-...-GK | [Nm] | 11 | 20 | 40 | 60 | 120 | 150 | 400 |
| DGC-...-GV | [Nm] | 22 | 40 | 80 | 120 | 240 | 300 | - |
| Mz_{max.} | | | | | | | | |
| DGC-...-GK | [Nm] | 1 | 3 | 5 | 8 | 15 | 24 | 100 |
| DGC-...-GV | [Nm] | 2 | 6 | 10 | 16 | 30 | 48 | - |

 Note

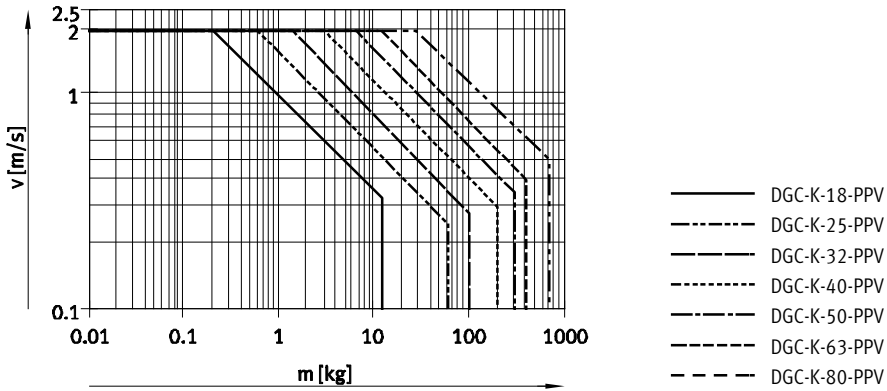
QuickCalc
sizing software
→ www.festo.com

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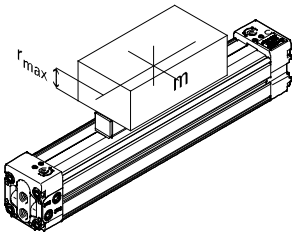
Technical data

Maximum permissible piston speed v as a function of effective load m and distance r_{max} from the centre of gravity of the load

These specifications represent the maximum values that can be achieved. In practice, these values can fluctuate relative to the position of the effective load and mounting position.



Operating range of the cushioning



The end-position cushioning must be adjusted to ensure jerk-free operation. If the operating conditions are outside the permissible range, the

load to be moved must be cushioned using suitable equipment (external shock absorbers), preferably at the centre of gravity of the load.

| | | | | | | | | |
|----------------------|------|----|----|----|----|----|----|----|
| Piston \varnothing | | 18 | 25 | 32 | 40 | 50 | 63 | 80 |
| Distance r_{max} | [mm] | 14 | 40 | 40 | 40 | 40 | 40 | 40 |

Linear drives DGC-K

Technical data

Number of central supports MUP as a function of weight due to force F and distance between supports l

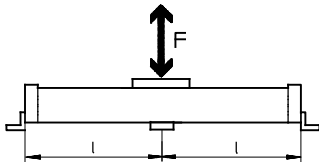
The drive may need to be supported to limit the deflection in the case of large strokes. The following diagrams

are provided to determine the maximum permissible distance between supports as a function of the installa-

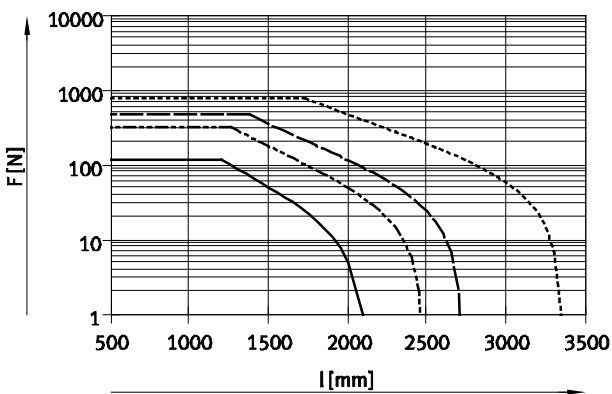
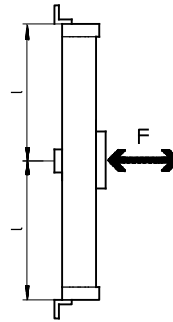
tion position and the applied weight and normal forces.

Mounting position

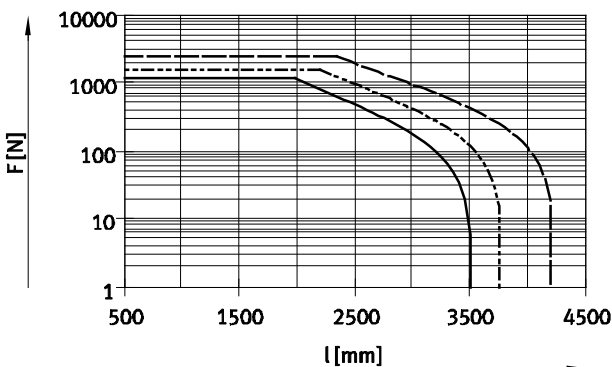
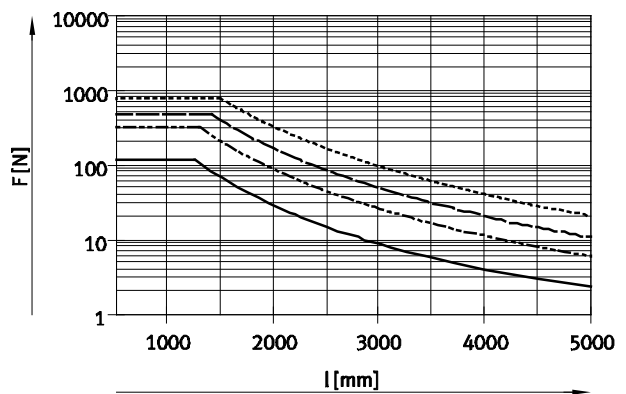
Horizontal



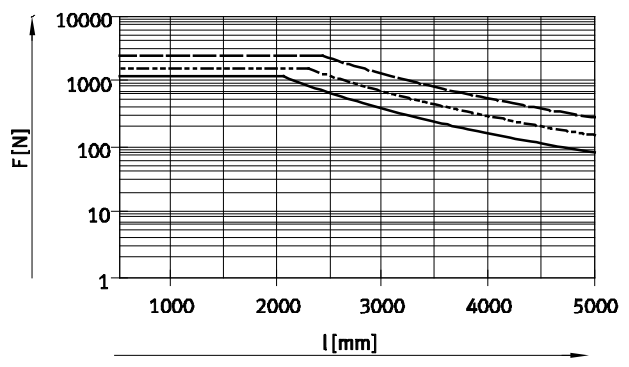
Vertical



— DGC-K-18 - - - DGC-K-32
 - - - DGC-K-25 - - - DGC-K-40



— DGC-K-50
 - - - DGC-K-63
 - - - DGC-K-80



Example:

The drive DGC-K-25-1500 is subjected to a force of 200 N in horizontal assembly position.

The drive has an overall length of:
 $l = \text{stroke length} + L1$
 (see dimensions)
 $= 1,500 \text{ mm} + 200 \text{ mm}$
 $= 1,700 \text{ mm}$

According to the graph, the max. support span for the drive DGC-K-25 with a force of 200 N is 1,450 mm.

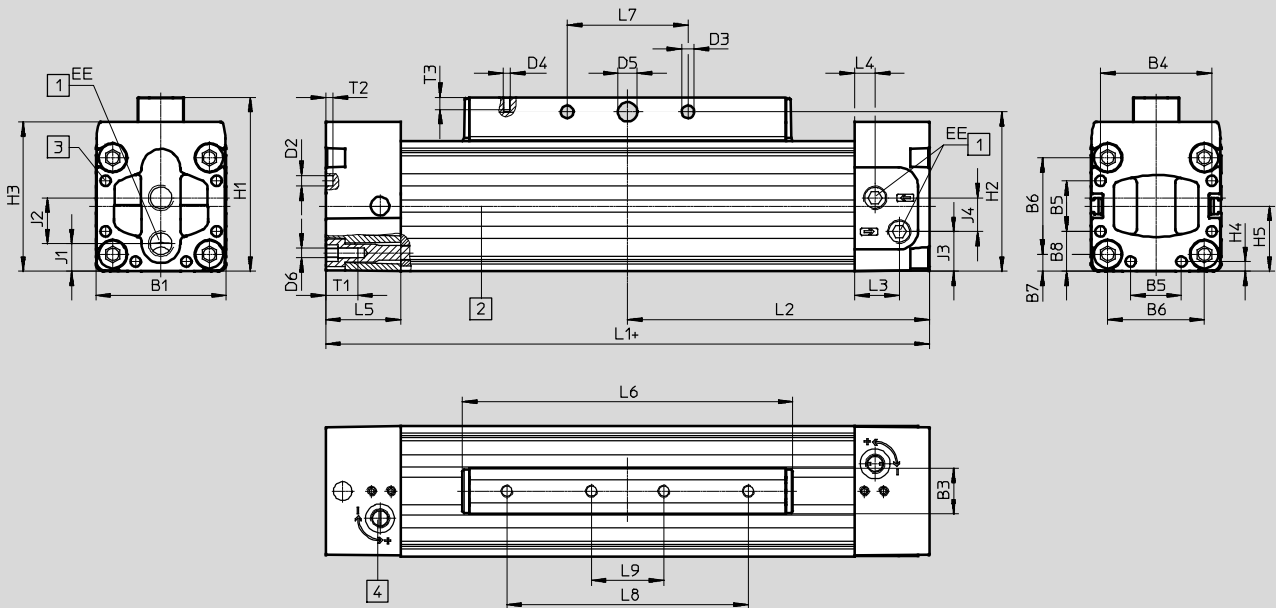
In this example, central supports are required as the max. support distance (1,450 mm) is smaller than the total length of the drive (1,700 mm).

Linear drives DGC-K

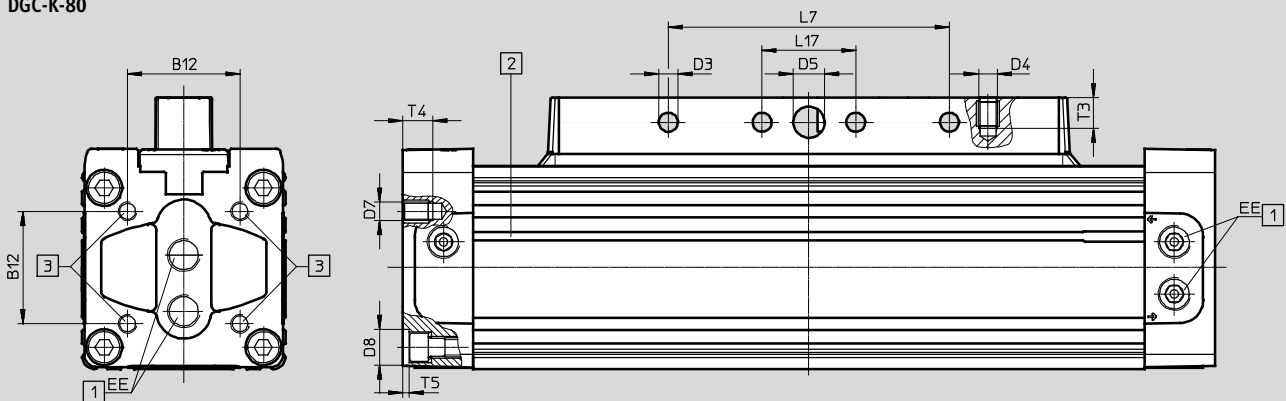
Technical data

Dimensions

Download CAD data → www.festo.com



DGC-K-80



- + = plus stroke length
- 1 Optional compressed air connections on 3 sides
- 2 Sensor slot for proximity sensor
- 3 Mounting hole for foot mounting HP
- 4 Regulating screw for adjustable end-position cushioning

| ∅ | B1 | B3 | B4 | B5 | B6 | B7 | B8 | B12 | D2 | D3 |
|------|--------------------------|------|------|----|------|------|------|-----|-----|------|
| [mm] | | ±0.2 | | | | | | | ∅ | ∅ |
| 18 | 34 ^{+0.2/-0.05} | 12 | 28 | 7 | 24 | 5 | 13.5 | - | 3 | 5.2 |
| 25 | 45 ^{+0.4} | 19 | 39.1 | 18 | 32.5 | 6.3 | 13.5 | - | 3.3 | 5.2 |
| 32 | 54 ^{+0.4} | 19 | 46 | 21 | 40 | 7 | 16.5 | - | 4.3 | 5.2 |
| 40 | 64 ^{+0.4} | 21 | 53 | 28 | 49 | 7.5 | 18 | - | 4.3 | 6.5 |
| 50 | 90 ^{+0.4} | 24 | 76 | 44 | 72 | 9 | 23 | - | 6.3 | 8.5 |
| 63 | 106 ^{+0.4} | 24 | 89 | 44 | 83 | 11.5 | 31 | - | 6.3 | 8.5 |
| 80 | 130 ^{+0.8} | 36 | - | - | 102 | 14 | 29 | 72 | - | 12.2 |

Linear drives DGC-K

Technical data

FESTO

| ∅ [mm] | D4 | D5 ∅ | D6 | D7 | D8 ∅ | EE | H1 | H2 | H3 | H4 | H5 |
|-----------|-----|-------------------|----|-----|---------|-------------------------------|------|------|-------|-----|------|
| 18 | M5 | 6 ^{H7} | M5 | - | - | M5 | 49.8 | 43.8 | 37.6 | 3 | 17 |
| 25 | M5 | 8 ^{H7} | M4 | - | - | G ¹ / ₈ | 63 | 57 | 51 | 3 | 22.5 |
| 32 | M5 | 8 ^{H7} | M5 | - | - | G ¹ / ₈ | 72 | 66 | 61.8 | 4 | 27 |
| 40 | M6 | 10 ^{H7} | M5 | - | - | G ¹ / ₄ | 86 | 78 | 71.8 | 5.5 | 32 |
| 50 | M8 | 12 ^{H7} | M6 | - | - | G ¹ / ₄ | 115 | 106 | 99 | 7 | 45 |
| 63 | M8 | 12 ^{H7} | M8 | - | - | G ³ / ₈ | 131 | 122 | 115 | 8.5 | 53 |
| 80 | M12 | 20 ^{H10} | - | M12 | 23 | G ¹ / ₂ | 174 | 158 | 140.5 | - | 85 |

| ∅ [mm] | J1 | J2 | J3 | J4 | L1 | | L2 | | L3 | L4 | L5 |
|-----------|------|------|------|------|-----|-----|-----|-----|------|------|------|
| | | | | | GK | GV | GK | GV | | | |
| 18 | 10.7 | 11.1 | 12.2 | 10.4 | 150 | 230 | 75 | 115 | 5 | 5 | 15.5 |
| 25 | 9 | 16.7 | 15.7 | 13 | 200 | 300 | 100 | 150 | 17 | 7 | 25 |
| 32 | 11.4 | 19 | 17.1 | 14 | 250 | 380 | 125 | 190 | 18.5 | 8.5 | 31 |
| 40 | 13.5 | 22 | 19.5 | 21 | 300 | 470 | 150 | 235 | 11.5 | 11.5 | 31 |
| 50 | 21 | 30.8 | 27 | 29.3 | 350 | 550 | 175 | 275 | 14 | 14 | 34 |
| 63 | 25 | 36 | 32 | 33 | 400 | 650 | 200 | 325 | 13.5 | 13.5 | 34 |
| 80 | 37 | 36 | 48.1 | 33.3 | 520 | - | 260 | - | 19 | 19 | 45 |

| ∅ [mm] | L6 | | L7 | L8 | L9 | L17 ±0,15 | T1 | T2 | T3 | T4 | T5 |
|-----------|-----|-----|----------|----------|----------|--------------|------|----|------|----|----|
| | GK | GV | | | | | | | | | |
| 18 | 85 | 165 | 30±0.1 | 60±0.1 | - | - | 11 | 2 | 10 | - | - |
| 25 | 109 | 209 | 30±0.1 | 50±0.1 | - | - | 13 | 2 | 7.5 | - | - |
| 32 | 135 | 265 | 50±0.1 | 100±0.1 | 30±0.1 | - | 13.2 | 3 | 7.5 | - | - |
| 40 | 171 | 341 | 70±0.1 | 130±0.1 | 40±0.1 | - | 13.2 | 4 | 10.5 | - | - |
| 50 | 206 | 406 | 80±0.1 | 150±0.1 | 50±0.1 | - | 15.2 | 6 | 12.5 | - | - |
| 63 | 234 | 484 | 110±0.1 | 190±0.1 | 70±0.1 | - | 21.2 | 6 | 12.5 | - | - |
| 80 | 334 | - | 180±0.15 | 230±0.15 | 115±0.15 | 60 | - | - | 19 | 18 | 4 |

Linear drives DGC-K

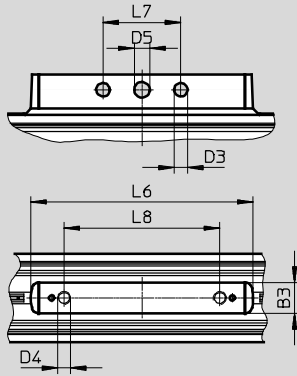
Technical data

Dimensions

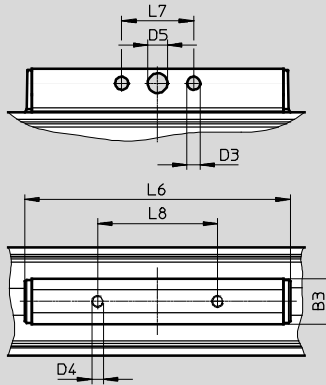
Download CAD data → www.festo.com

GK – Standard piston

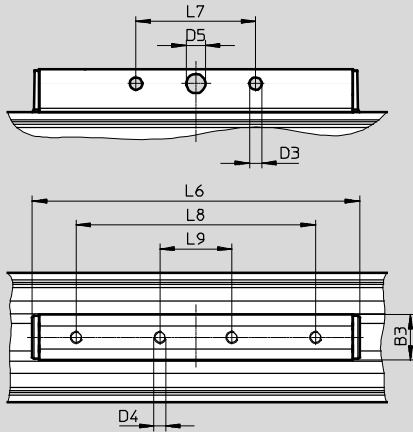
Ø 18



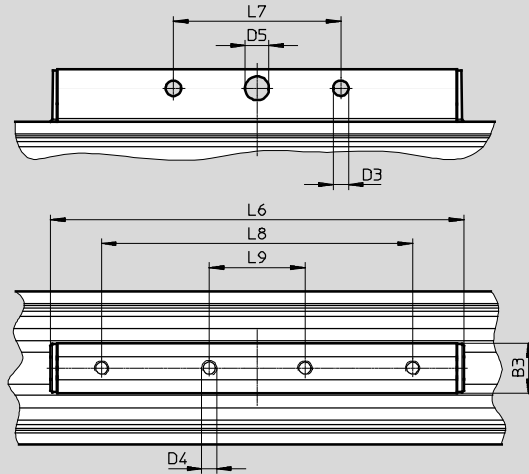
Ø 25



Ø 32



Ø 40



| Ø | B3 | D3 | D4 | D5 | L6 | L7 | L8 | L9 |
|------|------|-----------|----|---------|-----|------|------|------|
| [mm] | ±0.2 | Ø +0.2 | | Ø H7 | | ±0.1 | ±0.1 | ±0.1 |
| 18 | 12 | 5.2 | M5 | 6 | 85 | 30 | 60 | - |
| 25 | 19 | 5.2 | M5 | 8 | 109 | 30 | 50 | - |
| 32 | 19 | 5.2 | M5 | 8 | 135 | 50 | 100 | 30 |
| 40 | 21 | 6.5 | M6 | 10 | 171 | 70 | 130 | 40 |

Linear drives DGC-K

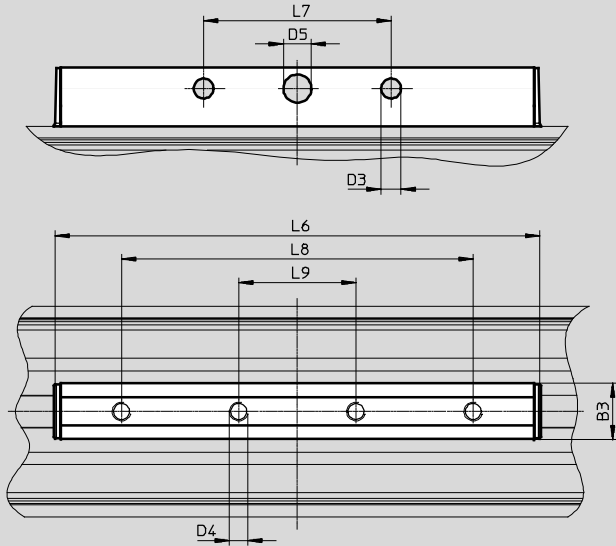
Technical data

Dimensions

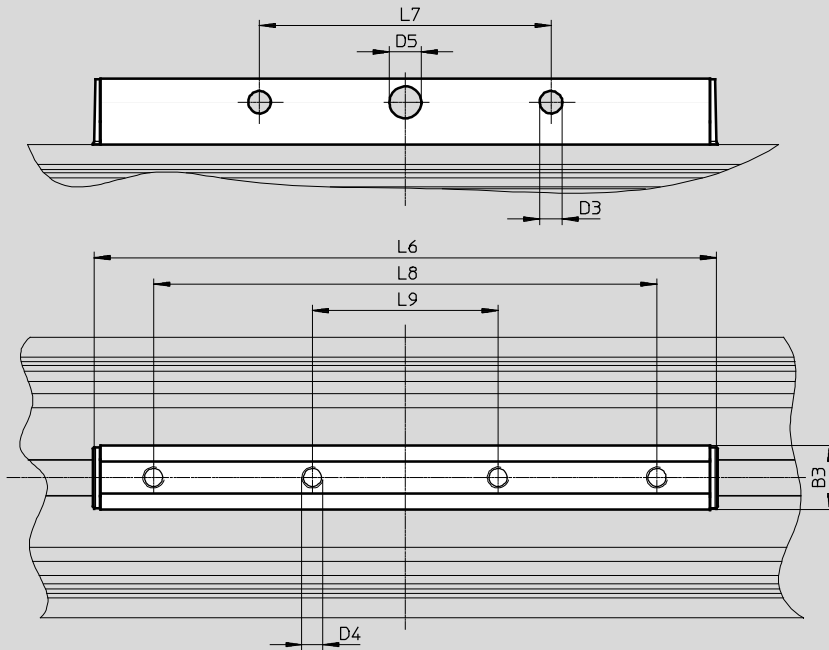
Download CAD data → www.festo.com

GK – Standard piston

∅ 50



∅ 63



| ∅ | B3 | D3 | D4 | D5 | L6 | L7 | L8 | L9 |
|------|------|-----------|----|---------|-----|------|------|------|
| [mm] | ±0.2 | ∅ +0.2 | | ∅ H7 | | ±0.1 | ±0.1 | ±0.1 |
| 50 | 24 | 8.5 | M8 | 12 | 206 | 80 | 150 | 50 |
| 63 | 24 | 8.5 | M8 | 12 | 234 | 110 | 190 | 70 |

Linear drives DGC-K

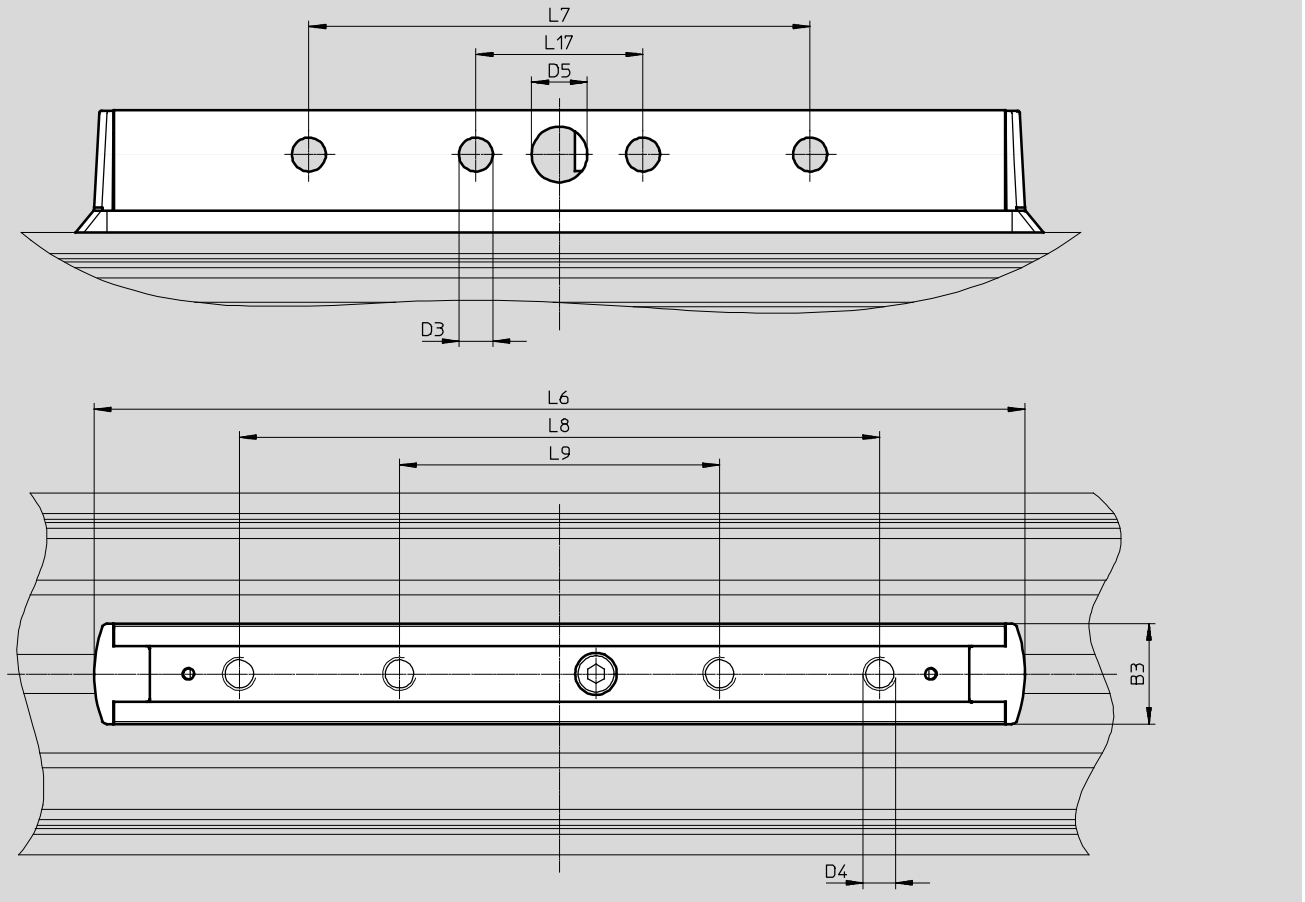
Technical data

Dimensions

Download CAD data → www.festo.com

GK – Standard piston

Ø 80



| Ø | B3 | D3 Ø | D4 | D5 | L6 | L7 | L8 | L9 | L17 |
|------|------|---------|-----|-----|-----|-------|-------|-------|-------|
| [mm] | ±0.2 | +0.2 | | H10 | | ±0.15 | ±0.15 | ±0.15 | ±0.15 |
| 80 | 36 | 12.2 | M12 | 20 | 334 | 180 | 230 | 115 | 60 |

Linear drives DGC-K

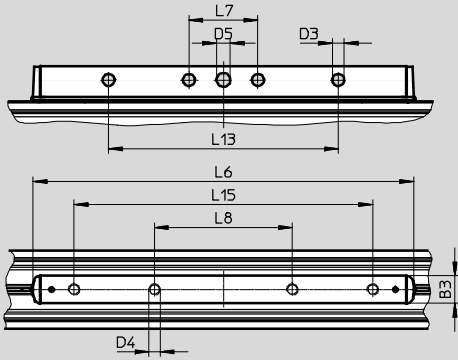
Technical data

Dimensions

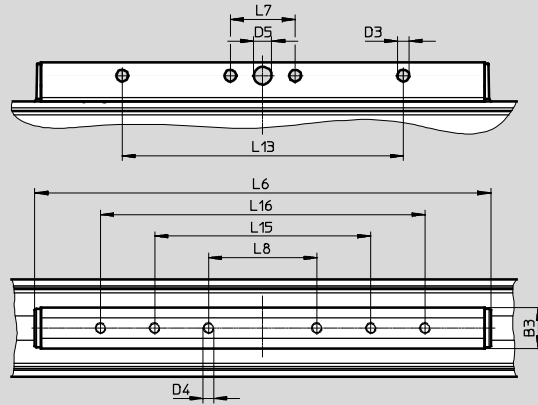
Download CAD data → www.festo.com

GV – Extended piston

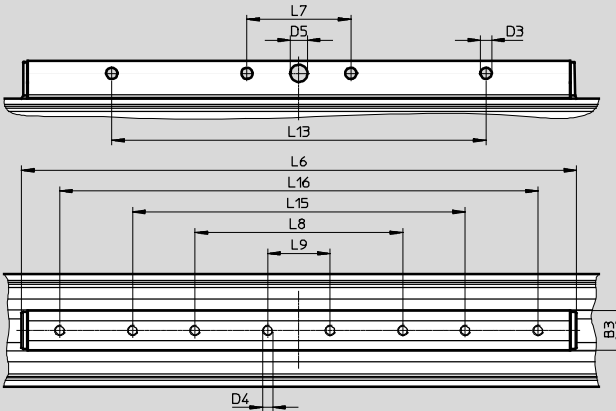
Ø 18



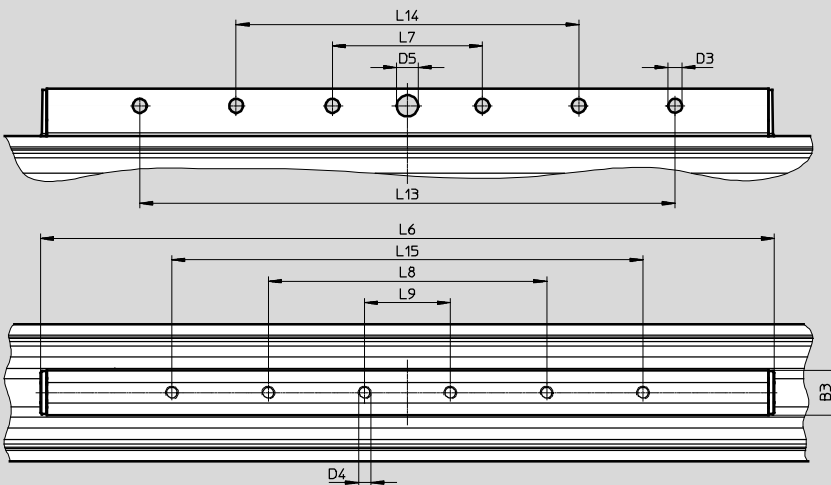
Ø 25



Ø 32



Ø 40



| Ø | B3 | D3 | D4 | D5 | L6 | L7 | L8 | L9 | L13 | L14 | L15 | L16 |
|------|------|-----------|----|---------|-----|------|------|------|------|------|------|------|
| [mm] | ±0.2 | Ø +0.2 | | Ø H7 | | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 |
| 18 | 12 | 5.2 | M5 | 6 | 165 | 30 | 60 | – | 100 | – | 130 | – |
| 25 | 19 | 5.2 | M5 | 8 | 209 | 30 | 50 | – | 130 | – | 100 | 150 |
| 32 | 19 | 5.2 | M5 | 8 | 265 | 50 | 100 | 30 | 180 | – | 160 | 230 |
| 40 | 21 | 6.5 | M6 | 10 | 341 | 70 | 130 | 40 | 160 | 250 | 220 | – |

Linear drives DGC-K

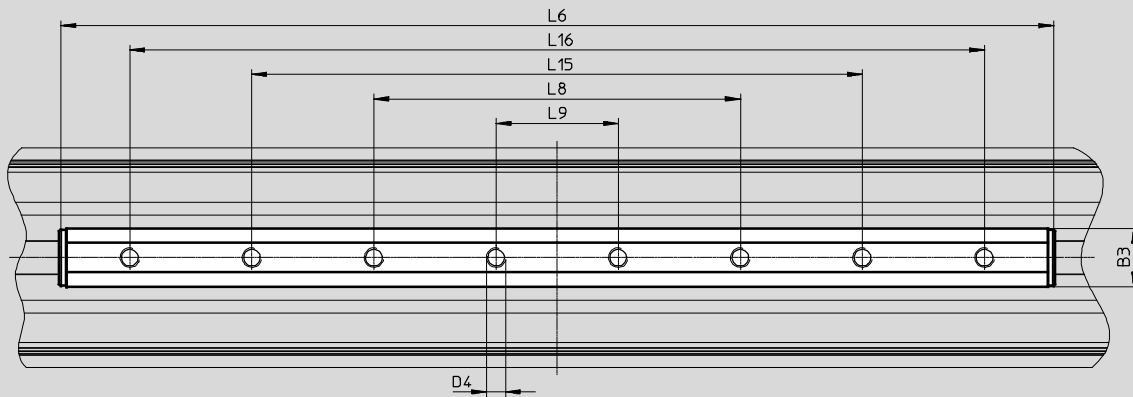
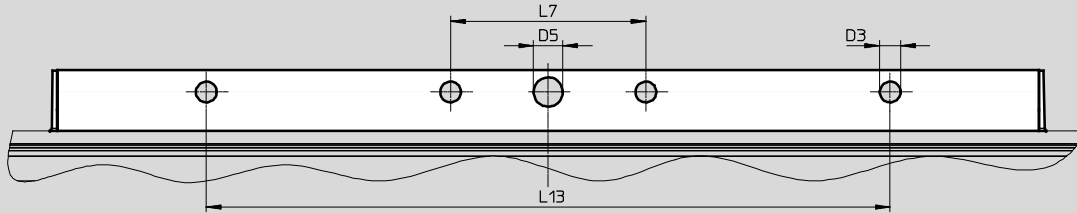
Technical data

Dimensions

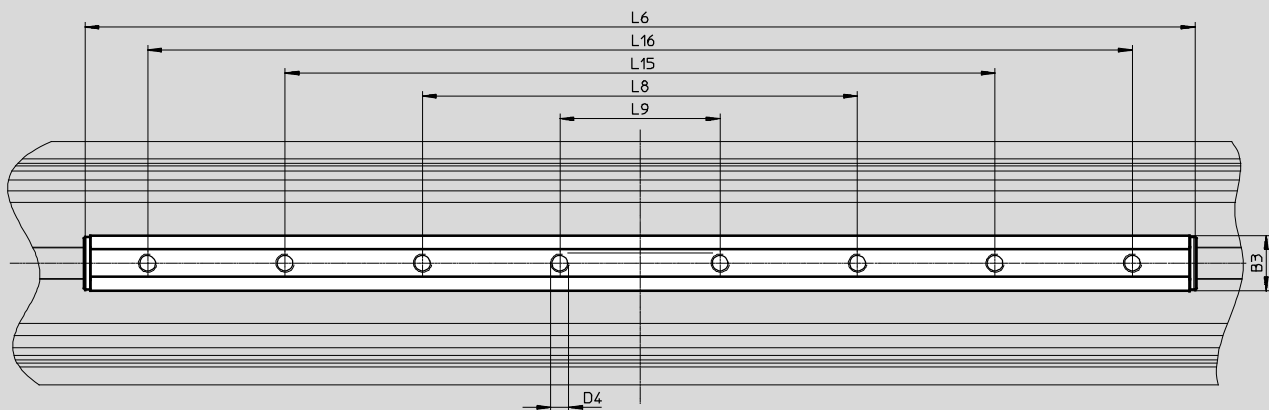
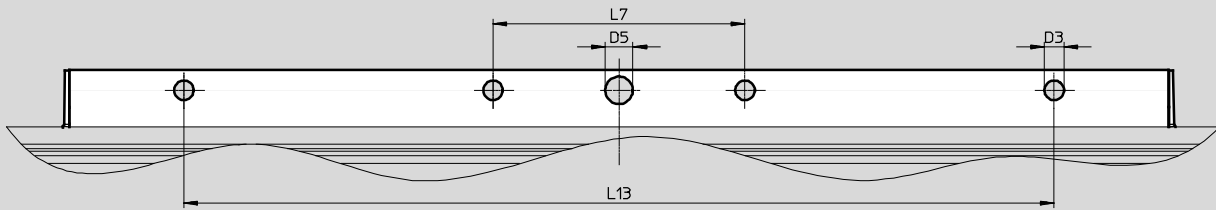
Download CAD data → www.festo.com

GV – Extended piston

Ø 50



Ø 63



| Ø | B3 | D3 | D4 | D5 | L6 | L7 | L8 | L9 | L13 | L15 | L16 |
|------|------|-----------|----|---------|-----|------|------|------|------|------|------|
| [mm] | ±0.2 | Ø +0.2 | | Ø H7 | | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 | ±0.1 |
| 50 | 24 | 8.5 | M8 | 12 | 406 | 80 | 150 | 50 | 280 | 250 | 350 |
| 63 | 24 | 8.5 | M8 | 12 | 484 | 110 | 190 | 70 | 380 | 310 | 430 |

Linear drives DGC-K

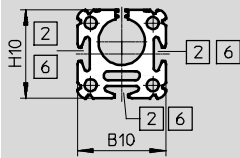
Technical data

Dimensions

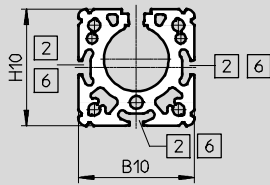
Download CAD data → www.festo.com

Profile barrel

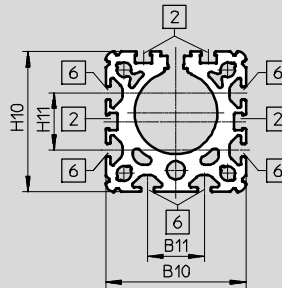
Ø 18



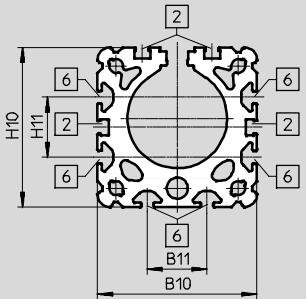
Ø 25



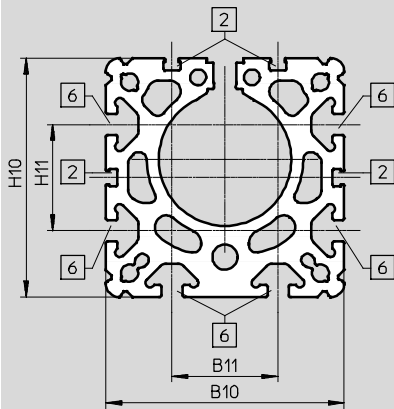
Ø 32



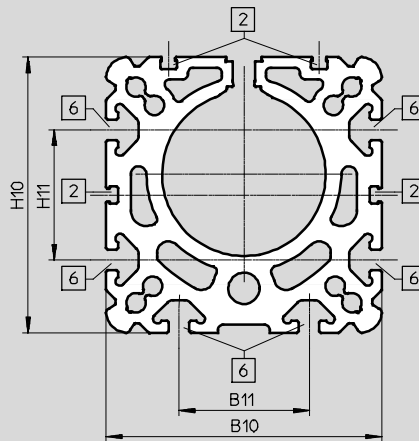
Ø 40



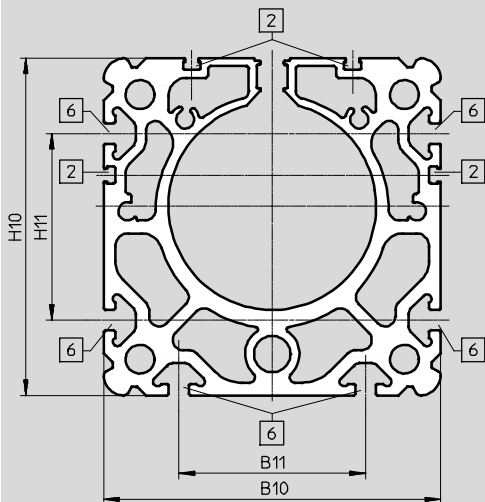
Ø 50





Ø 63



Ø 80



 Sensor slot for proximity sensor
 Mounting slot for slot nut

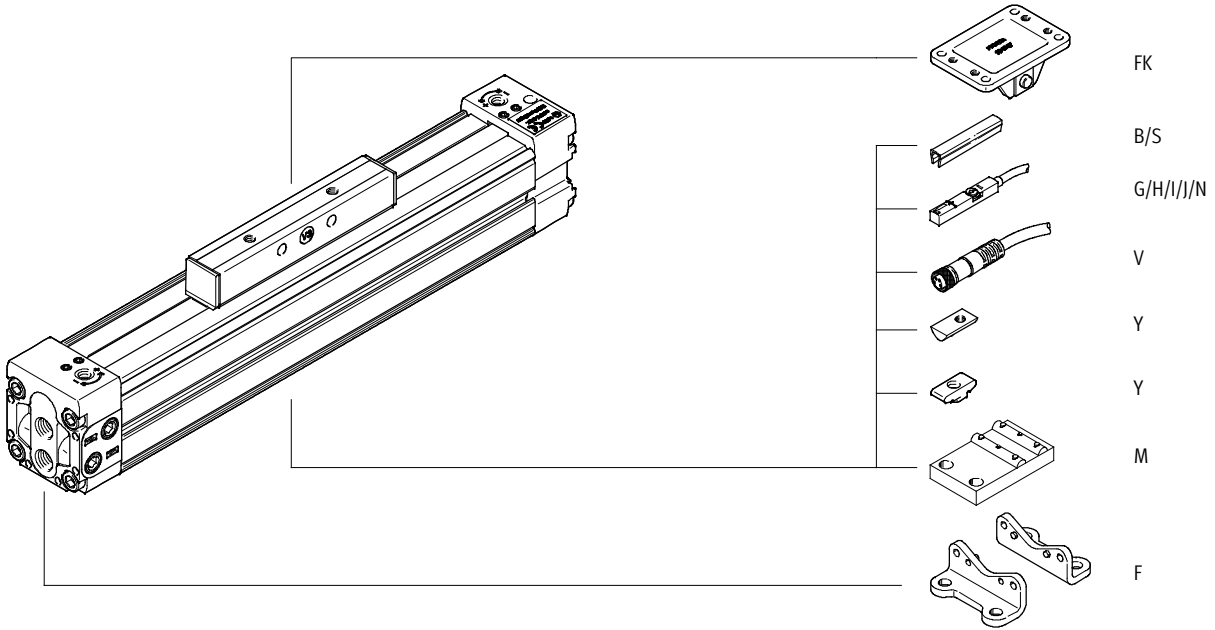
| Ø [mm] | B10 | B11 | H10 | H11 |
|--------|-----|-----|-----|-----|
| 18 | 34 | - | 34 | - |
| 25 | 45 | - | 45 | - |
| 32 | 54 | 22 | 54 | 22 |
| 40 | 64 | 24 | 64 | 24 |
| 50 | 90 | 40 | 90 | 40 |
| 63 | 106 | 50 | 106 | 50 |
| 80 | 130 | 72 | 130 | 72 |

Linear drives DGC-K

Ordering data – Modular products

Order code

Mandatory data/options



Linear drives DGC-K

Ordering data – Modular product

| Ordering table | | | | | | | | | | | |
|-------------------------------------------------|-----------------------------------------------|----------------|----------------|----------------|----------------|----------------|----------------|-------------------|-------------|---------------|------|
| Size | 18 | 25 | 32 | 40 | 50 | 63 | 80 | Condi- tions | Code | Enter code | |
| M Module No. | 1312500 | 1312501 | 1312502 | 1312503 | 1312504 | 1312505 | 1312506 | | | | |
| Function | Linear drive | | | | | | | | DGC | | DGC |
| Guide | Compact | | | | | | | | -K | | -K |
| Piston Ø [mm] | 18 | 25 | 32 | 40 | 50 | 63 | 80 | | -... | | |
| Stroke [mm] | 1 ... 3,000 | 1 ... 8,500 | | | 1 ... 6,000 | 1 ... 5,000 | 1 ... 3,000 | | -... | | |
| Cushioning | Pneumatic cushioning, adjustable at both ends | | | | | | | | -PPV | | -PPV |
| Position sensing | For proximity sensor | | | | | | | | -A | | -A |
| Basic design | Standard piston | | | | | | | | -GK | | |
| | Extended piston | | | | | | | - | -GV | | |
| O Compressed air connection | At one end | | | | | | | | | | |
| | At both ends | | | | | | | 3 | -D2 | | |
| Lubrication | Standard | | | | | | | | | | |
| | Approved for use in the food industry | | | | | | | | -H1 | | |
| Moment compensator | Moment compensator coupling | | | | | | | | -FK | | |
| EU certification | II 3GD | | | | | | | 1 | -EX2 | | |
| | II 2G | | | | | | | 1 | -EX3 | | |
| O Accessories | Enclosed separately (can be retrofitted) | | | | | | | | ZUB- | | ZUB- |
| Foot mounting | 1 | | | | | | | | F | | |
| Central support | 1 ... 10 | | | | | | | | ...M | | |
| Slot nut for mounting slot | 1 ... 10 | | | | | | | 2 3 | ...Y | | |
| Slot cover for mounting slot | - | - | 1 ... 10 | | | | | ...b | | | |
| Proximity sensor, N/O contact | 2.5 m cable | 1 ... 10 | | | | | | | ...G | | |
| | M8 plug | 1 ... 10 | | | | | | | ...H | | |
| Proximity sensor, N/O contact, contactless, PNP | 2.5 m cable | 1 ... 10 | | | | | | | ...I | | |
| | M8 plug | 1 ... 10 | | | | | | | ...J | | |
| Proximity sensor, N/C contact | 7.5 m cable | 1 ... 10 | | | | | | | ...N | | |
| Connecting cable | M8, 2.5 m | 1 ... 10 | | | | | | | ...V | | |
| Slot cover for sensor slot | 1 ... 10 | | | | | | | | ...S | | |

- 1 EX2, EX3** Not with proximity sensor G, H, I, J, N or connecting cable V
2 Y For sizes 18 and 25 there is just one slot for mounting and proximity sensor.
3 Y + D2 The following applies to sizes 18 and 25: entry "1Y" = delivery quantity of 4 units

Transfer order code

| | | | | | | | | | | | | | | | | | | | | | |
|--|------------|---|----------|---|--|---|--|---|------------|---|----------|---|--|---|--|---|--|---|--|------------|--|
| | DGC | - | K | - | | - | | - | PPV | - | C | - | | - | | - | | - | | ZUB | |
|--|------------|---|----------|---|--|---|--|---|------------|---|----------|---|--|---|--|---|--|---|--|------------|--|

Linear drives DGC-K

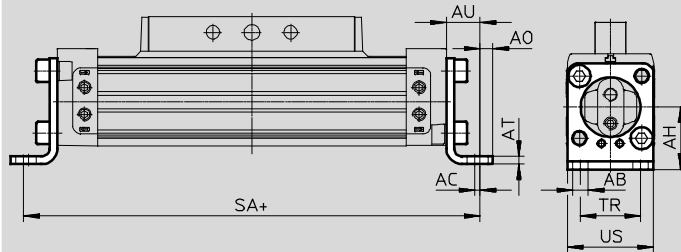
Accessories

Foot mounting HP
(order code: F)

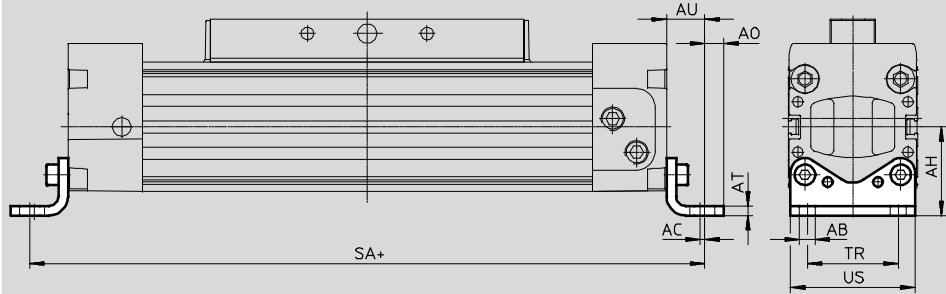
Material:
Galvanized steel
Free of copper and PTFE



DGC-K-18



DGC-K-25 ... 80



+ = plus stroke length

Dimensions and ordering data

| For Ø [mm] | AB Ø | AC | AH | AO | AT | AU | SA | | TR | US | Weight [g] | Part No. | Type |
|---------------|---------|----|------|------|----|------|-------|-------|------|------|---------------|----------|-------|
| | | | | | | | GK | GV | | | | | |
| 18 | 5.5 | 2 | 24 | 4.7 | 3 | 13.3 | 176.6 | 256.6 | 24 | 33.2 | 59 | 158472 | HP-18 |
| 25 | 5.5 | 2 | 29.5 | 6 | 3 | 13 | 226 | 326 | 32.5 | 44 | 61 | 150731 | HP-25 |
| 32 | 6.6 | 2 | 37 | 7 | 4 | 17 | 284 | 414 | 38 | 52 | 117 | 150732 | HP-32 |
| 40 | 6.6 | 2 | 46 | 8.5 | 5 | 17.5 | 335 | 505 | 45 | 62 | 188 | 150733 | HP-40 |
| 50 | 9 | 3 | 61 | 11 | 6 | 25 | 400 | 600 | 65 | 87 | 243 | 150734 | HP-50 |
| 63 | 11 | 3 | 69 | 13.5 | 6 | 28 | 456 | 706 | 75 | 102 | 305 | 150735 | HP-63 |
| 80 | 13 | 3 | 85 | 12 | 8 | 28 | 576 | - | 72 | 128 | 620 | 158453 | HP-80 |

Linear drives DGC-K

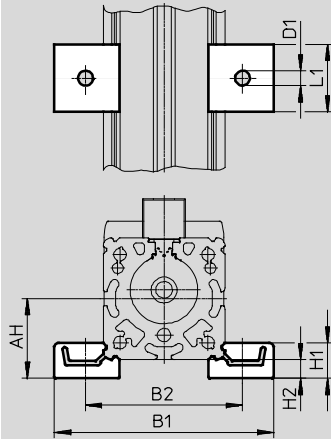
Accessories

Central support MUP
(order code: M)

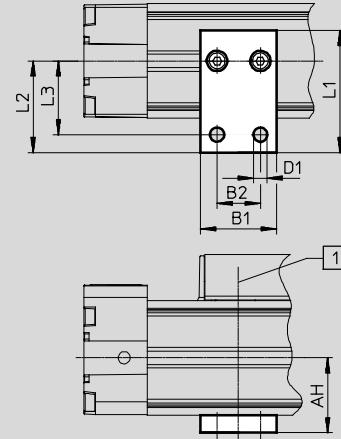
Material:
Galvanized steel
Free of copper and PTFE



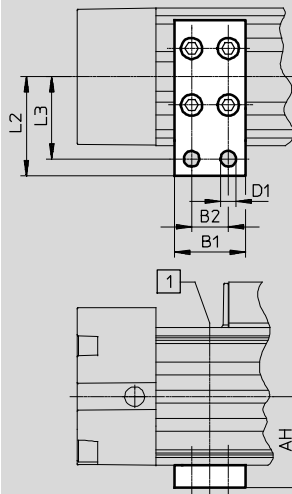
DGC-K-18/25 with MUP-18/25



DGC-K-18/25 with MUP-18/25-P
(for mounting on one side)



DGC-K-32 ... 80



1) Position of the central support along the profile barrel is freely selectable

| Dimensions and ordering data | | | | | | | | | | | | |
|------------------------------|------|------|----|-----|----|----|----|------|----|--------|----------|---------------------------|
| For Ø | AH | B1 | B2 | D1 | H1 | H2 | L1 | L2 | L3 | Weight | Part No. | Type |
| [mm] | | | | Ø | | | | | | [g] | | |
| 18 | 24 | 70.5 | 47 | 5.5 | 13 | 7 | 25 | - | - | 33 | 150736 | MUP-18/25 |
| | 24 | 30 | 17 | 5.5 | - | - | 48 | 36 | 29 | 32 | 1711704 | MUP-18/25-P ¹⁾ |
| 25 | 29.5 | 81 | 58 | 5.5 | 13 | 7 | 25 | - | - | 33 | 150736 | MUP-18/25 |
| | 29.5 | 30 | 17 | 5.5 | - | - | 48 | 36 | 29 | 32 | 1711704 | MUP-18/25-P ¹⁾ |
| 32 | 37 | 35 | 22 | 6.6 | - | - | - | 41.5 | 35 | 89 | 150737 | MUP-32 |
| 40 | 46 | 35 | 22 | 6.6 | - | - | - | 47 | 40 | 126 | 150738 | MUP-40 |
| 50 | 61 | 50 | 26 | 11 | - | - | - | 70 | 58 | 241 | 150739 | MUP-50 |
| 63 | 69 | 50 | 26 | 11 | - | - | - | 77 | 65 | 340 | 150800 | MUP-63 |
| 80 | 85 | 50 | 26 | 11 | - | - | - | 88 | 76 | 590 | 158455 | MUP-80 |

1) This central support cannot be ordered within the modular product system using Code M.

Linear drives DGC-K

Accessories

Moment compensator DARD-S
(order code: FK)

Materials:

Bolt: High-alloy steel

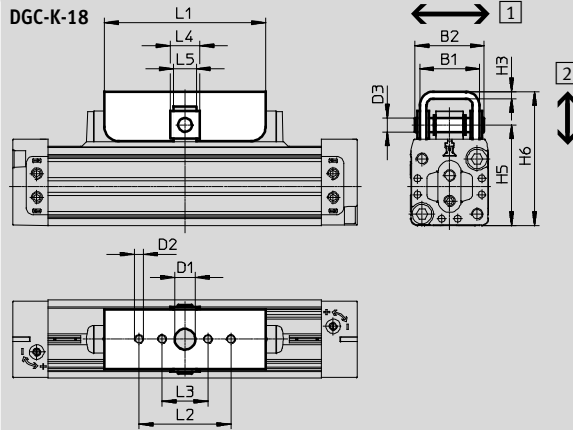
Clevis: High-alloy steel

Slip piece: Brass

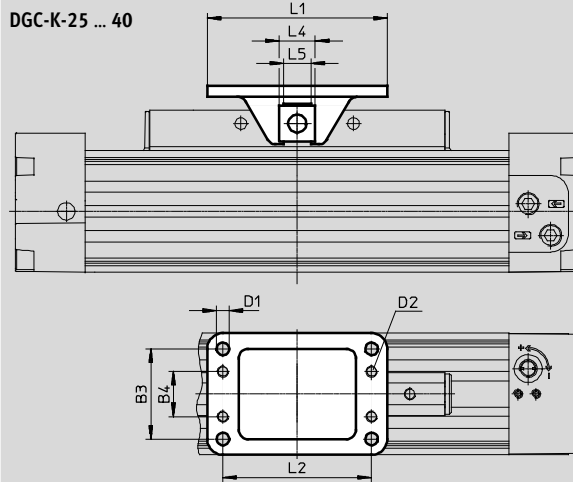
Retaining ring: Spring steel



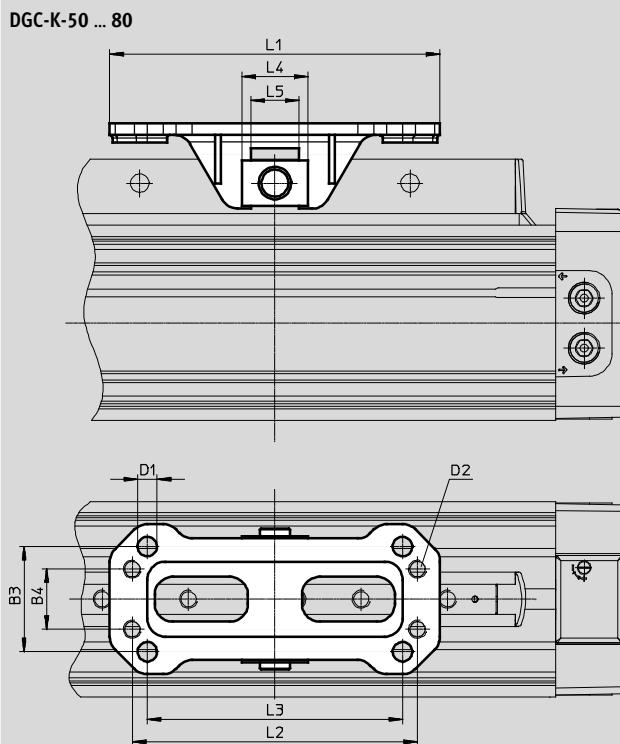
DGC-K-18





DGC-K-25 ... 40




DGC-K-50 ... 80



 **Note**
The moment compensator DARD-S has the same interface as the moment compensator FKP with the linear drive DGP.
Use moment compensator DARD-M for servopneumatic systems.

 **Note**
Compensation possible in direction of arrow.

 **Note**
Compensation possible in direction of arrow.

Linear drives DGC-K

Accessories

| Technical data | | | | | |
|---------------------------|-----------------------------------------------------|------|----------------------------------------------------|-----------------------------|---------------|
| For \varnothing [mm] | Max. offset between linear drive and external guide | | Max. permissible load in direction of force [N] | Ambient temperature [°C] | Weight [g] |
| | 1 [mm] | 2 | | | |
| 18 | ±1.8 | ±1.2 | 550 | -20 ... +120 | 104 |
| 25 | ±2 | ±2 | 1,100 | | 231 |
| 32 | | | 1,100 | | 231 |
| 40 | | | 1,800 | | 362 |
| 50 | | | 2,500 | | 712 |
| 63 | | | 2,500 | | 712 |
| 80 | ±4 | ±4 | 7,000 | | 1,955 |

| Dimensions and ordering data | | | | | | | | | | |
|------------------------------|-----|----|----|----|---------------------|-----|---------------------|----|------|-------|
| For \varnothing [mm] | B1 | B2 | B3 | B4 | D1 \varnothing | D2 | D3 \varnothing | H3 | H5 | H6 |
| 18 | 26 | 30 | - | - | 9 | M4 | 6 | 3 | 43.8 | 57.8 |
| 25 | 54 | 50 | 40 | 20 | 5.5 | M5 | 8 | 5 | 57 | 75 |
| 32 | | | | | | | | | 66 | 84 |
| 40 | 58 | 60 | 44 | 24 | 6.5 | M6 | 10 | 6 | 78 | 99 |
| 50 | 71 | 63 | 51 | 23 | 9 | M8 | 12 | 8 | 106 | 130 |
| 63 | | | | | | | | | 122 | 146 |
| 80 | 100 | 94 | 70 | 40 | 13 | M12 | 20 | 13 | 158 | 194.5 |

| For \varnothing [mm] | L1 | L2 | L3 | L4 | L5 | Part No. | Type |
|---------------------------|-----|-----|-----|----|------|----------|--------------|
| 18 | 70 | 40 | 20 | 13 | 10.1 | 8001411 | DARD-L1-18-S |
| 25 | 80 | 66 | - | 16 | 12.1 | 8001412 | DARD-L1-32-S |
| 32 | | | | | | 8001412 | DARD-L1-32-S |
| 40 | 90 | 76 | - | 18 | 14.1 | 8001413 | DARD-L1-40-S |
| 50 | 122 | 102 | - | 22 | 16.1 | 8001414 | DARD-L1-63-S |
| 63 | | | | | | 8001414 | DARD-L1-63-S |
| 80 | 220 | 190 | 170 | 44 | 32.1 | 8001415 | DARD-L1-80-S |

Linear drives DGC-K

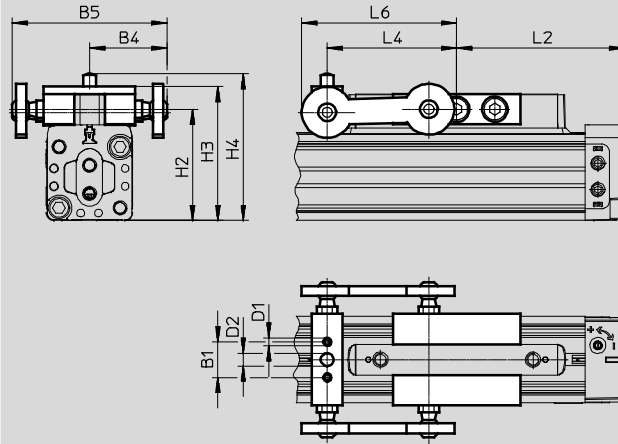
Accessories

Moment compensator DARD-M

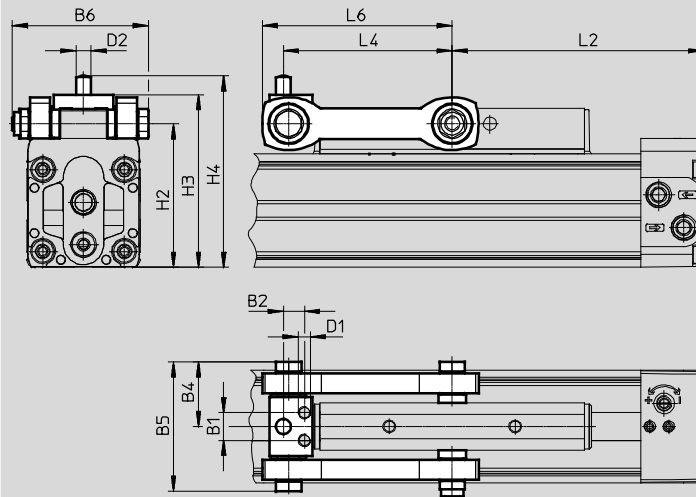
Materials:
Galvanized steel



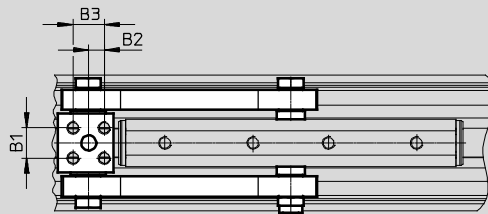
DGC-K-18



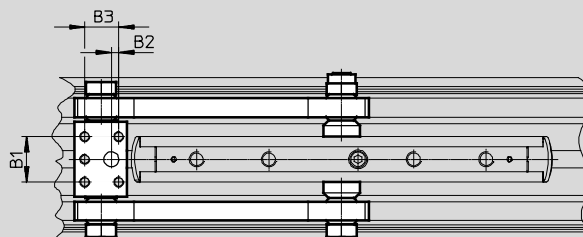
DGC-K-25 ... 80



DGC-K-32 ... 63



DGC-K-80



Linear drives DGC-K

Accessories

FESTO

| Technical data | | | | |
|---------------------------|---------------------------------------------------------------------------|----------------------------------------------------|-----------------------------|---------------|
| For \varnothing [mm] | Max. offset between linear drive and external guide ¹⁾ [mm] | Max. permissible load in direction of force [N] | Ambient temperature [°C] | Weight [g] |
| 18 | ±2,5 | 400 | -10 ... +60 | 94 |
| 25 | | 800 | | 240 |
| 32 | | 1,300 | | 275 |
| 40 | | 2,000 | | 580 |
| 50 | ±4 | 3,150 | | 960 |
| 63 | | 5,000 | | 1,000 |
| 80 | | 7,800 | | 2,815 |

1) Laterally and vertically.

| Dimensions and ordering data | | | | | | | | | |
|------------------------------|----|------|------|----------|-------|------|---------------------|---------------------|------|
| For \varnothing [mm] | B1 | B2 | B3 | B4 | B5 | B6 | D1 \varnothing | D2 \varnothing | H2 |
| 18 | 14 | - | - | 30.5±2.5 | 61 | - | M3x6.2 | 5 | 43.8 |
| 25 | 11 | 8.4 | - | 25.7±2.5 | 51.4 | 54 | M5x17 | 6 | 57 |
| 32 | 12 | 6.2 | 12.4 | 25.7±2.5 | 51.4 | 54 | M5x13 | 6 | 66 |
| 40 | 18 | 11 | 18 | 36±2.5 | 72 | 75.3 | M6x16 | 6 | 78 |
| 50 | 26 | 12.6 | 19 | 44±4 | 88 | 96.4 | M8x18 | 10 | 106 |
| 63 | 26 | 12.6 | 19 | 44±4 | 88 | 96.4 | M8x18 | 10 | 122 |
| 80 | 36 | 6 | 27 | 61.6±4 | 123.2 | 130 | M8x26.6 | 12 | 158 |

| For \varnothing [mm] | H3 | H4 | L2 | L4 | L6 max. | Part No. | Type |
|---------------------------|----------|-----------|-----|-------|------------|----------|--------------|
| 18 | 52.8±2.5 | 57.8±2.5 | 75 | 51 | 61 | 2349274 | DARD-L1-18-M |
| 25 | 71.5±2.5 | 79±2.5 | 100 | 67.1 | 75.5 | 2349275 | DARD-L1-25-M |
| 32 | 80.5±2.5 | 88±2.5 | 125 | 80.3 | 91 | 2349276 | DARD-L1-32-M |
| 40 | 94.5±2.5 | 104.5±2.5 | 150 | 104 | 117 | 2349277 | DARD-L1-40-M |
| 50 | 125.5±4 | 135.5±4 | 175 | 124 | 139 | 2349278 | DARD-L1-50-M |
| 63 | 142±4 | 152±4 | 200 | 138 | 153 | 2349279 | DARD-L1-63-M |
| 80 | 187.5±4 | 199.5±4 | 260 | 182.9 | 213.5 | 2349280 | DARD-L1-80-M |

Linear drives DGC-K

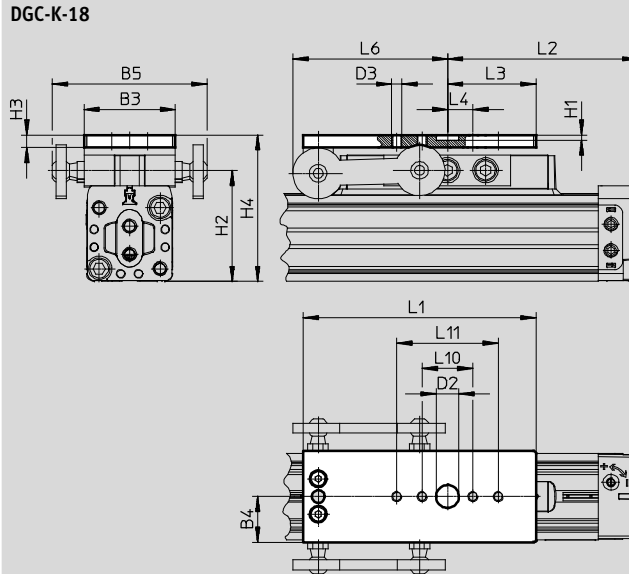
Accessories


Adapter plate DAMF

Materials:
Galvanized steel

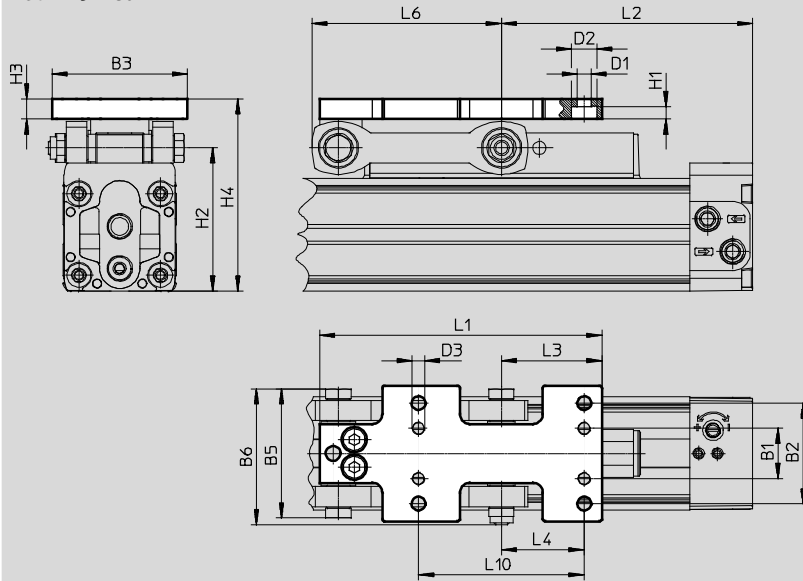


DGC-K-18

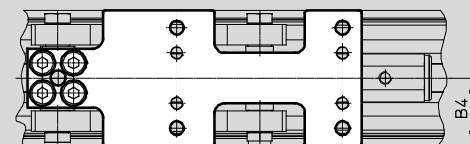


 Note
The adapter plate DAMF has the same interface as the moment compensator FKP with the linear drive DGP.

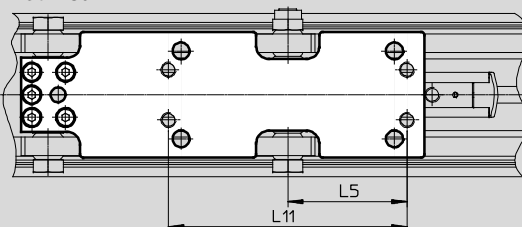
DGC-K-25 ... 80



DGC-K-32 ... 63



DGC-K-80



Linear drives DGC-K

Accessories

FESTO





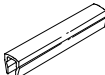
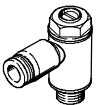
| Dimensions and ordering data | | | | | | | | |
|------------------------------|----|----|-----|--------------|-------|------|---------------|---------------|
| For \varnothing | B1 | B2 | B3 | B4 | B5 | B6 | D1 | D2 |
| [mm] | | | | ± 2.5 | | | \varnothing | \varnothing |
| 18 | - | - | 36 | 18 ± 2.5 | 61 | - | - | 9 |
| 25 | 20 | 40 | 54 | 27 ± 2.5 | 51.4 | 54 | 5.5 | 10 |
| 32 | 20 | 40 | 54 | 27 ± 2.5 | 51.4 | 54 | 5.5 | 10 |
| 40 | 24 | 44 | 58 | 29 ± 2.5 | 72 | 75.3 | 6.6 | 11 |
| 50 | 23 | 51 | 71 | 35 ± 4 | 88.1 | 96.4 | 9 | 15 |
| 63 | 23 | 51 | 71 | 35 ± 4 | 88.1 | 96.4 | 9 | 15 |
| 80 | 40 | 70 | 100 | 50 ± 4 | 123.2 | 130 | 13,5 | 20 |

| For \varnothing | D3 | H1 | H2 | H3 | H4 | L1 | L2 | L3 |
|-------------------|-----|-----|------|----|----------------|-------|-----|------|
| [mm] | | | | | | | | |
| 18 | M4 | 2.1 | 43.8 | 5 | 57.8 ± 2.5 | 92 | 75 | 35 |
| 25 | M5 | 5 | 57 | 8 | 75 ± 2.5 | 112.4 | 100 | 40 |
| 32 | M5 | 5 | 66 | 8 | 84 ± 2.5 | 133 | 125 | 40.5 |
| 40 | M6 | 6 | 78 | 10 | 99 ± 2.5 | 162 | 150 | 45 |
| 50 | M8 | 8 | 106 | 10 | 130 ± 4 | 200 | 175 | 61 |
| 63 | M8 | 8 | 122 | 10 | 146 ± 4 | 214 | 200 | 61 |
| 80 | M12 | 9 | 158 | 12 | 194 ± 4 | 322.4 | 260 | 109 |



| For \varnothing | L4 | L5 | L6 | L10 | L11 | Weight | Part No. | Type |
|-------------------|----|----|-------|-----|-----|--------|----------------|--------------------|
| [mm] | | | max. | | | | | |
| 18 | 10 | - | 61 | 20 | 40 | 127 | 2349281 | DAMF-18-FKP |
| 25 | 33 | - | 75.5 | 66 | - | 265 | 2349282 | DAMF-25-FKP |
| 32 | 33 | - | 91 | 66 | - | 308 | 2349283 | DAMF-32-FKP |
| 40 | 38 | - | 117 | 76 | - | 593 | 2349284 | DAMF-40-FKP |
| 50 | 51 | - | 139 | 102 | - | 966 | 2349285 | DAMF-50-FKP |
| 63 | 51 | - | 153 | 102 | - | 1,042 | 2349286 | DAMF-63-FKP |
| 80 | 85 | 95 | 213.5 | 170 | 190 | 2,817 | 2349287 | DAMF-80-FKP |

Linear drives DGC-K

Accessories

| Ordering data | | | | | | |
|-----------------------------------------------------------------------------------------------------------|----------------------------------|----------------------------------|------------|----------------|--------------------------------|------------------|
| | For Ø | Description | Order code | Part No. | Type | PU ¹⁾ |
| Slot nut ABAN/NST Technical data → Internet: hmbn | | | | | | |
|  | 18, 25 | For mounting slot | Y | 8003032 | ABAN-1M4-5 | 4 |
|  | 18, 25 | | | 526091 | NST-HMV-M4²⁾ | 1 |
|  | 32, 40 | | | 150914 | NST-5-M5 | |
| | 50, 63, 80 | | | 150915 | NST-8-M6 | |
| Slot cover ABP Technical data → Internet: abp | | | | | | |
|  | 32, 40 | For mounting slot Every 0.5 m | B | 151681 | ABP-5 | 2 |
| | 50, 63, 80 | | | 151682 | ABP-8 | |
|  | 18, 25, 32, 40, 50, 63, 80 | For sensor slot Every 0.5 m | S | 563360 | ABP-5-S1 | 2 |
| One-way flow control valve GRLA Technical data → Internet: grla | | | | | | |
|  | 18 | Metal design | - | 193137 | GRLA-M5-QS-3-D | 1 |
| | 25, 32 | | | 193138 | GRLA-M5-QS-4-D | |
| | | | | 193142 | GRLA-1/8-QS-3-D | |
| | | | | 193143 | GRLA-1/8-QS-4-D | |
| | | | | 193144 | GRLA-1/8-QS-6-D | |
| | 40, 50 | | | 193145 | GRLA-1/8-QS-8-D | |
| | | | | 193146 | GRLA-1/4-QS-6-D | |
| | | | | 193147 | GRLA-1/4-QS-8-D | |
| | 63 | | | 193148 | GRLA-1/4-QS-10-D | |
| | | | | 193149 | GRLA-3/8-QS-6-D | |
| 193150 | | GRLA-3/8-QS-8-D | | | | |
| 80 | 193151 | GRLA-3/8-QS-10-D | | | | |
| | 193152 | GRLA-1/2-QS-12-D | | | | |

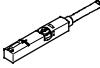
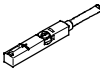
- 1) Packaging unit
- 2) Piston Ø 18 and 25: cannot be used with DGC-...-D2 (Compressed air connection at both ends)



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

Linear drives DGC-K

Accessories

FESTO

| Ordering data – Proximity sensors for T-slot, magnetic reed | | | | | Technical data → Internet: sme | |
|-----------------------------------------------------------------------------------|--------------------------------------------------------------------|------------------|-----------------------|------------------|--------------------------------|-------------------------|
| | Type of mounting | Switching output | Electrical connection | Cable length [m] | Part No. | Type |
| N/O contact | | | | | | |
|  | Insertable in the slot from above, flush with the cylinder profile | Contacting | Cable, 3-wire | 2.5 | 543862 | SME-8M-DS-24V-K-2,5-OE |
| | | | | 5.0 | 543863 | SME-8M-DS-24V-K-5,0-OE |
| | | | Cable, 2-wire | 2.5 | 543872 | SME-8M-ZS-24V-K-2,5-OE |
| | | | Plug M8x1, 3-pin | 0.3 | 543861 | SME-8M-DS-24V-K-0,3-M8D |
| N/C contact | | | | | | |
|  | Insertable in the slot from above, flush with the cylinder profile | Contacting | Cable, 3-wire | 7.5 | 546799 | SME-8M-DO-24V-K-7,5-OE |

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