

Assembly instructions (Original instructions)
8079181
2017-09a
[8079183]

FESTO

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Mounting kit
EAHT-E9-FB-3D-30

1. Further applicable documents

 All available documents for the product → www.festo.com/pk

Observe further applicable documents:

- Description of the planar surface gantry **4** and actuator **5**
- Assembly instructions of profile mounting attachment **6** and connection kit **7**

2. Safety

- Switch off power supply before mounting work.
- Comply with tightening torques (→ Table).

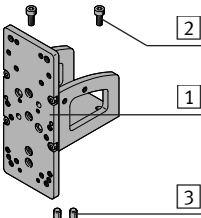
3. Intended use

Mounting of a Z-axis **5** to the Y-axis of the planar surface gantry **4**.

4. Additional information

Centring sleeve (B) → www.festo.de/catalogue

5. Scope of delivery



1 Mounting kit

2 Screw

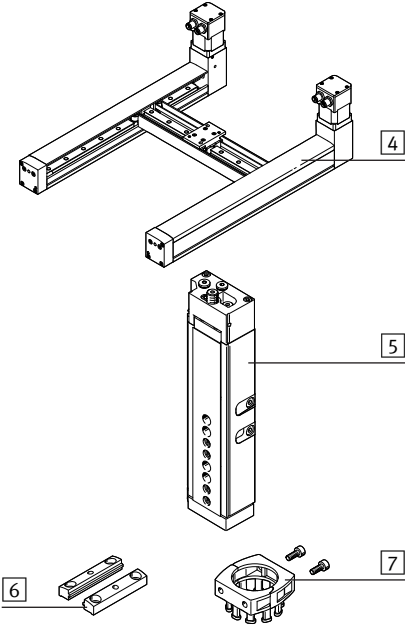
3 Cylindrical dowel pin

(1x)

(2x)

(2x)

6. Not in scope of delivery



4 Planar surface gantry EXCM-30

5 Z-axis¹⁾
DGSL-8/-10/-12
EGSC-25/-32²⁾
EGSK-20/-26
EGSL-35

6 Profile mounting attachment EAHF-L2-25-P

7 Connection kit EAHT-AE-3D

(1x)

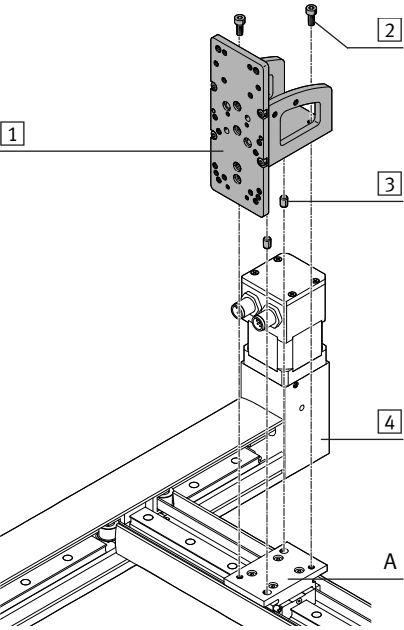
(1x)

(1x)

(1x)

7. Mounting

7a. Interface to planar surface gantry **4**

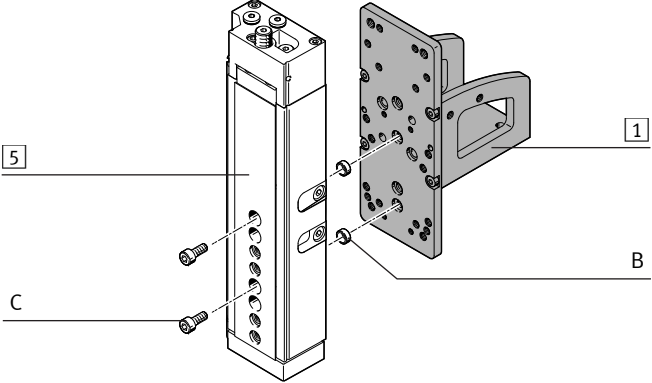


- Place the mounting kit **1** with cylindrical dowel pins **3** at slide unit (A) of the Y-axis of the planar surface gantry **4**.
- Tighten the screws **2**.

7b. Interfaces of Z axis **5**

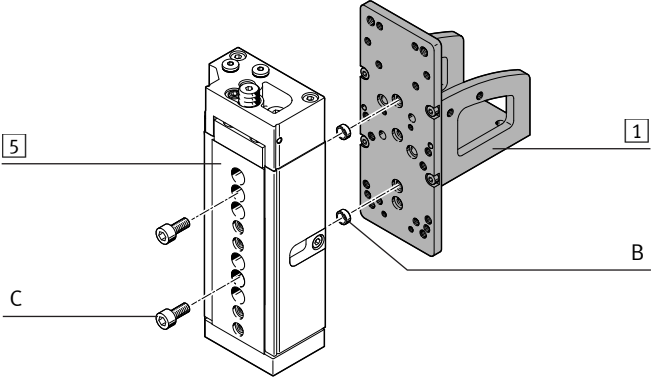
Mounting components and tightening torques (→ Table).

For DGSL-8/-10



- Position centring sleeves (B).
- Position of Z-axis **5** on the mounting kit **1**.
- Tighten the screws (C).

For DGSL-12

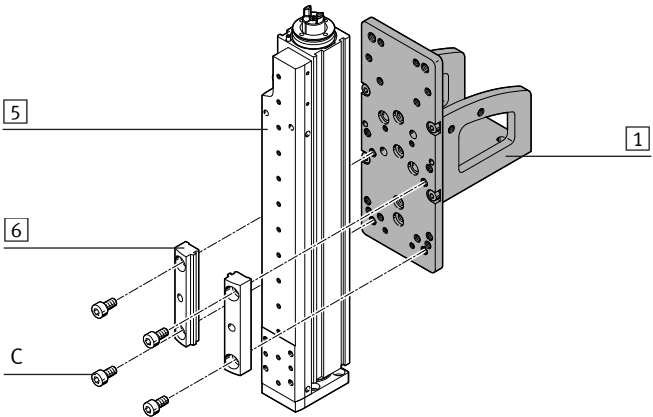


- Position centring sleeves (B).
- Position of Z-axis **5** on the mounting kit **1**.
- Tighten the screws (C).

¹⁾ Mounting components are not included in the scope of delivery of Z-axis **5**.

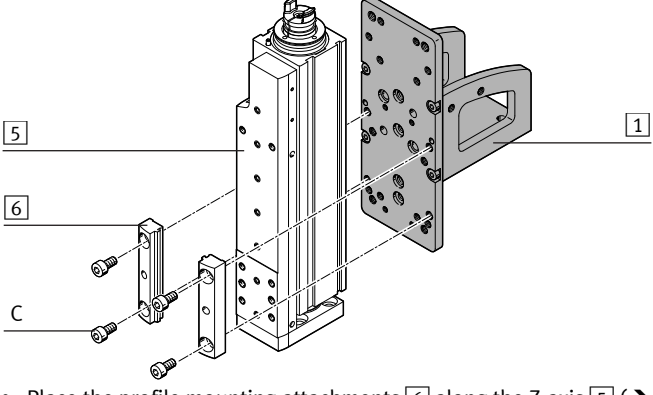
²⁾ In case of EGSC-25/-32 with a stroke of 25, mounting is not possible.

For EGSC-25



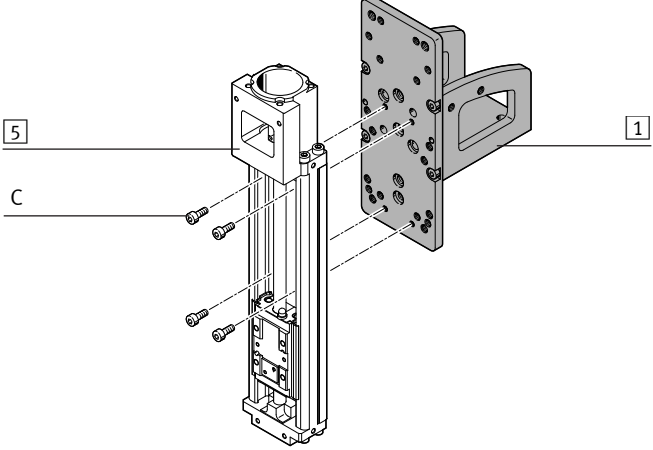
- Place the profile mounting attachments **6** along the Z-axis **5** (→ Further applicable documents).
- Position of Z-axis **5** on the mounting kit **1**.
- Mount the profile mounting attachments **6** to the mounting kit **1** with the screws (C).

For EGSC-32



- Place the profile mounting attachments **6** along the Z-axis **5** (→ Further applicable documents).
- Position of Z-axis **5** on the mounting kit **1**.
- Mount the profile mounting attachments **6** to the mounting kit **1** with the screws (C).

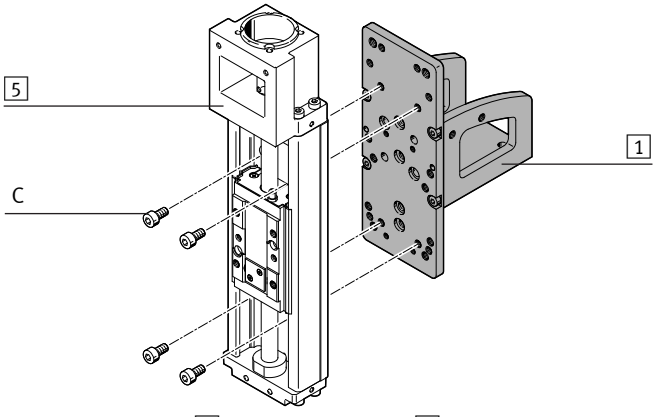
For EGSK-20



- Position of Z-axis **5** on the mounting kit **1**.
- Tighten the screws (C).

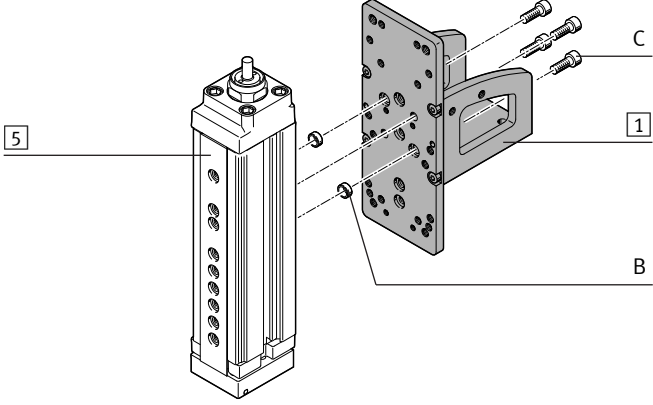
³⁾ Tolerances for tightening torques M_A without specification of tolerance
M_A = 1.2 Nm: ± 10 %
M_A > 1.2 Nm: ± 20 %

For EGSK-26



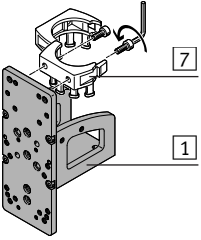
- Position of Z-axis **5** on the mounting kit **1**.
- Tighten the screws (C).

For EGSL-35



- Position centring sleeves (B).
- Position of Z-axis **5** on the mounting kit **1**.
- Tighten the screws (C).

7c. Interface to connection kit **7**



- Observe assembly instructions for connection kit **7** (→ Further applicable documents).

8. Screw sizes and tightening torques M _A ³⁾		
EAHT-E9-	2	[Nm]
FB-3D-30	M4x10	2.5

Not in scope of delivery:					
Z-axis 5	Centring sleeve (B)	(C) Screw ISO 4762			[Nm]
DGSL-8/-10	ZBH-7	(2x)	M4x10-8.8	(2x)	2.0
DGSL-12	ZBH-7	(2x)	M5x12-8.8	(2x)	3.0
EGSC-25/-32	–	–	M4x8-8.8	(4x)	2.0
EGSK-20	–	–	M3x6-8.8	(4x)	1.2
EGSK-26	–	–	M4x6-8.8	(4x)	2.5
EGSL-35	ZBH-7	(2x)	M4x12-8.8	(4x)	2.5

9. Prior to commissioning

→ **Note**

Collision!

The mounting kit reduces the available Y-stroke of the planar surface gantry **4** by 16 mm.

- Check Z-axis **5** for collision.
- Set the end stops of the Y-axis at the planar surface gantry **4** (→ Further applicable documents).