Assembly instructions (Original instructions)

## FESTO

## Guide unit Compensating component EADC-V1 73734 Esslingen Germany Gestingen +49713 37-0 $+49711347-0$ www.festo.con

## 1. Further applicable document

[i] All available documents for the product $\rightarrow$ www.festo.com/pk
2. Safety

- Switch off compressed air before mounting work.
- Keep applying fresh lubricant film to the guide rods. Lubricate the guide rods with approved lubricating grease, where necessary
- Avoid touching the guide rods. Traces of hand perspiration will result in surface corrosion.
- Observe the safety data sheet of the adhesive 5 from the original manufacturer.


## 3. Use for intended purpose

Guide unit FENG:
Guide/protection against torsion for specific cylinders DN... or DS... from Festo ( $\boldsymbol{\rightarrow}$ www.festo.com/catalogue).
Compensating component EADC-V1:
Backlash-free connection of the guide unit FENG
The backlash-free connection is only required for certain cylinders
(e. g. DNCE, DNCI) in order to attain the specified positioning accuracy $\xrightarrow[(\rightarrow)]{ }$ www festocom/catalogue).

## 4. Further information

Spare parts catalogue $\rightarrow$ www.festo.com/spareparts

## 5a. FENG



## 8. Mounting the guide unit 1



Push ring (G) over the pisto rod (B) of the cylinder 7 .

- Turn the threaded
coupling (A) onto the piston rod (B).

For EADC-V1-40

- Insert spacer disc 3 and the compensating component 4 into the threaded coupling (A). For EADC-V1-32/-50/-63: - Insert the compensating component 4 into the threaded coupling (A).
- Adjust the dimension Z by screwing the threaded coupling (A) in or out.

5b. EADC-V1

(1x)
(4x)

- Place cylinder 6 on the guideunit 1 - Tighten screws 2.
- Turn the threaded coupling (A) onto the piston rod (B).
$\rightarrow$ Desired dimension $X$ is reached.

(1x)
(1x)


6. Not in scope of delivery


- Tighten lock nut (C) with th open-ended spanner (D). Brace threaded coupling (A) with the spanner ( E ).

| 1 | feng |  | 32 | 40 | 50/63 | 80/100 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2 | Bolt |  | M6×30 | M6x35 | M8x40 | M10×50 |
|  | For cylinders in accordance with ISO 15552 | [Nm] | 5 | 5 | 8 | 15 |
|  | For electrical cylinders | [Nm] | $\rightarrow$ Operating instructions for cylinder |  |  |  |
|  |  | 二 | 5 | 5 | 6 | 8 |
| (A) | Threaded coupling | [ Nm ] | 28 | 36 | 64 | 110 |
|  |  | - | 15 |  | 19 | 27 |
| (C) Locking nut |  |  | M10x1.25 | M12x1.25 | M16x1.5 | M20x1.5 |
|  |  | [ Nm ] | 28 | 36 | 64 | 110 |
|  |  | $=5$ | 16 | 18 | 24 | 30 |
| (F) | Bolt |  | M6x14 |  | M8x20 | - |
|  |  | [ Nm ] | 9 |  | 20 | - |
|  |  | $=5$ | 5 |  | 6 | - |



- Check the dimension X and correct if necessary.

9. Backlash-free mounting of the guide unit 1 with spacer disc 3 and compensating component 4
${ }^{1)}$ The spacer disc [3] is only required for EADC-V1-40.
2) Tolerances for tightening toruired for EADC-V1-40.
3) More force may be recuired as the screws (F) are secured with adhesive 55. To avoid lateral
forces, dismantle in a retracted state.

1


- Pull the plate $(H)$ and the guide rods out of th housing (I) of the guide unit 1 .
- Unscrew screws $\left.(F)^{3}\right)^{3}$. - Dismantle the ring (G) and the threaded coupling (A).



F


- Move the cylinder 7 to its retracted end position.
- Align the threads in
the ring (G) horizontally
- Apply adhesive 5
the screws (F).
- Tighten screws (F).
- Observe curing time of the adhesive 5 ( 24 h at $20^{\circ} \mathrm{C}$.

