

Guide unit Compensating component

FENG EADC-V1

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FESTO

1. Further applicable documents

All available documents for the product → 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 tightening torque (→ Section 7).
- 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 (→ www.festo.com/catalogue).

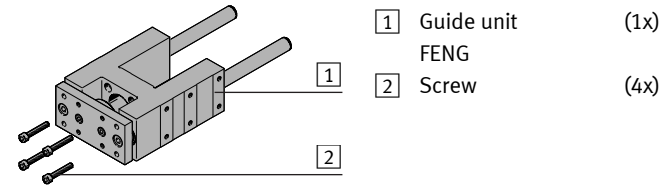
Compensating component EADC-V1:
Backlash-free connection of the guide unit FENG.
The backlash-free connection is only required for certain cylinders (e. g. DNCE, DNCI) in order to attain the specified positioning accuracy (→ www.festo.com/catalogue).

4. Further information

Spare parts catalogue → www.festo.com/spareparts

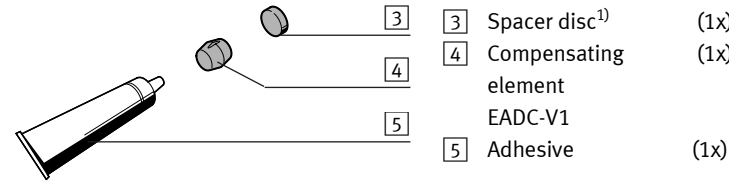
5. Scope of delivery

5a. FENG



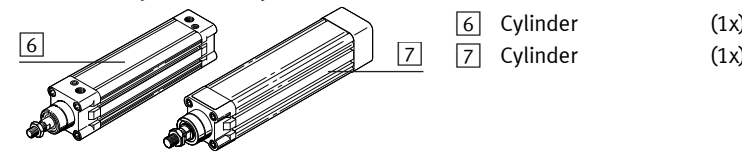
- [1] Guide unit FENG (1x)
- [2] Screw (4x)

5b. EADC-V1



- [3] Spacer disc¹⁾ (1x)
- [4] Compensating element EADC-V1 (1x)
- [5] Adhesive (1x)

6. Not in scope of delivery

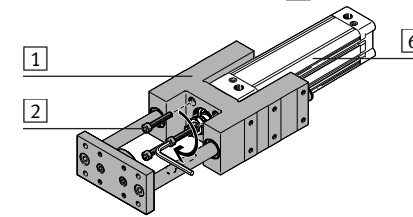


- [6] Cylinder (1x)
- [7] Cylinder (1x)

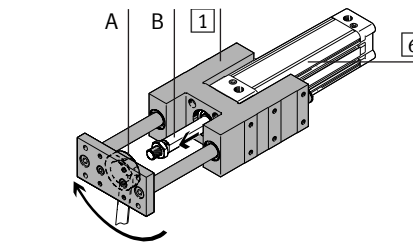
7. Screw sizes and tightening torques M_A ²⁾

[1] FENG		32	40	50/63	80/100
[2] Bolt		M6x30	M6x35	M8x40	M10x50
	For cylinders in accordance with ISO 15552	[Nm] 5	5	8	15
	For electrical cylinders	[Nm] → Operating instructions for cylinder			
		≈ 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
		≈ 16	18	24	30
(F) Bolt		M6x14		M8x20	—
		[Nm] 9		20	—
		≈ 5		6	—

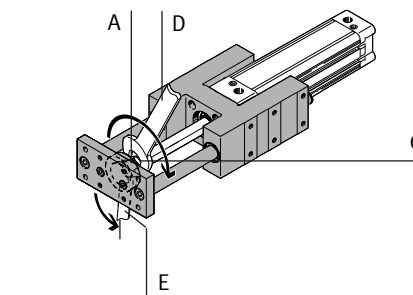
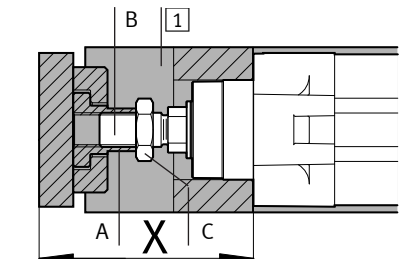
8. Mounting the guide unit [1]



- Place cylinder [6] on the guideunit [1].
- Tighten screws [2].



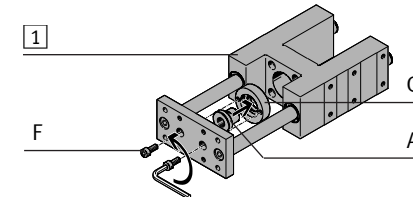
- Turn the threaded coupling (A) onto the piston rod (B).
→ Desired dimension X is reached.



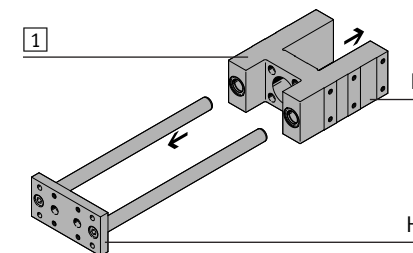
- Tighten lock nut (C) with the open-ended spanner (D). Brace threaded coupling (A) with the spanner (E).

- Check the dimension X and correct if necessary.

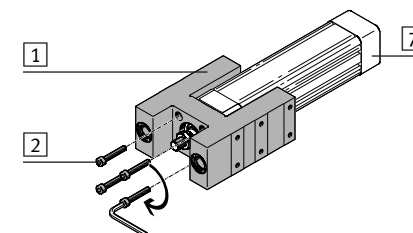
9. Backlash-free mounting of the guide unit [1] with spacer disc [3] and compensating component [4]



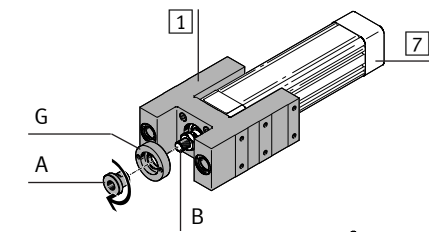
- Unscrew screws (F)³⁾.
- Dismantle the ring (G) and the threaded coupling (A).



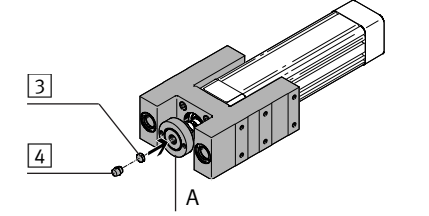
- Pull the plate (H) and the guide rods out of the housing (I) of the guide unit [1].



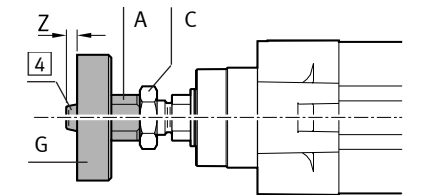
- Place cylinder [7] on the guideunit [1].
- Tighten screws [2].



- Push ring (G) over the piston rod (B) of the cylinder [7].
- Turn the threaded coupling (A) onto the piston rod (B).

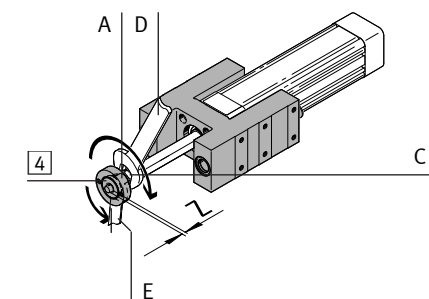


- For EADC-V1-40:
- Insert spacer disc [3] and the compensating component [4] into the threaded coupling (A).
- For EADC-V1-32/-50/-63:
- Insert the compensating component [4] into the threaded coupling (A).
 - Adjust the dimension Z by screwing the threaded coupling (A) in or out.

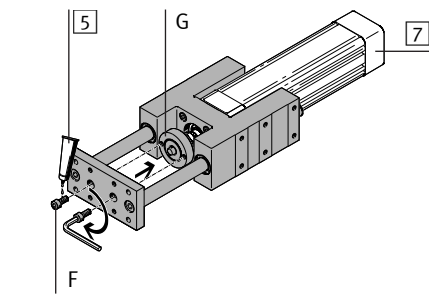


Dimension Z

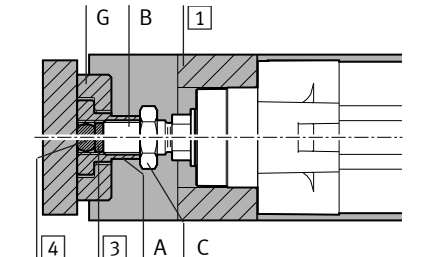
[4] EADC-V1	32	40	50/63
Z ^{+0.2}	[mm] 1.8	3.8	5.5



- Tighten the lock nut (C) with the spanner (D). Brace threaded coupling (A) with the spanner (E). Do not twist threaded coupling (A).
- Check the dimension Z and correct if necessary.



- Move the cylinder [7] to its retracted end position.
- Align the threads in the ring (G) horizontally.
- Apply adhesive [5] to the screws (F).
- Tighten screws (F).
- Observe curing time of the adhesive [5] (24 h at 20 °C).



¹⁾ The spacer disc [3] is only required for EADC-V1-40.

²⁾ Tolerances for tightening torque M_A without indication of tolerance > 1 Nm: ± 20 %

³⁾ More force may be required as the screws (F) are secured with adhesive [5]. To avoid lateral forces, dismantle in a retracted state.