

FESTO

Festo AG & Co. KG

Ruiter Straße 82
73734 Esslingen
Deutschland
+49 711 347-0
www.festo.com

**Multi-position kit
DPNC**

1. Further applicable documents

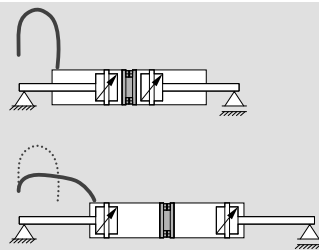
All available documents for the product → www.festo.com/pk

Observe further applicable documents:
→ Operating instructions for the cylinder [5]

2. Safety

- Switch off compressed air before mounting work.
- Connect only cylinders of the same type and piston diameter to each other.
- Do not exceed the maximum overall stroke length (→ Table).
- Observe tightening torque (→ Section 6).
- Do not remove mounted unit comprising multi-position kit and cylinders.
- Observe the safety data sheet of the adhesive [4] from the original manufacturer.

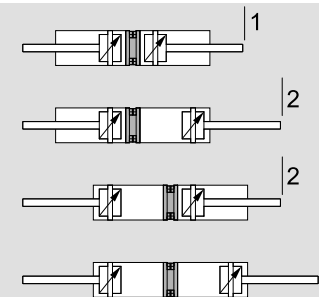
DPNC	32	40	50	63	80	100	125
Maximum overall stroke length [mm]	500	800	800	700	1000	900	1000



The cylinder barrels perform a movement with the fixed bearing (mounting) at one piston rod and movable bearing at the other.

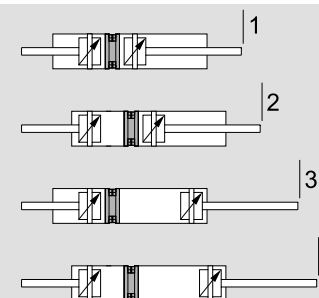
- Mount movable tubing connectors.

i Information



Three-position cylinder:
• Connect 2 cylinders [5] of the same stroke length.

i Information



Four-position cylinder:
• Connect 2 cylinders [5] of different stroke length.

3. Use for intended purpose

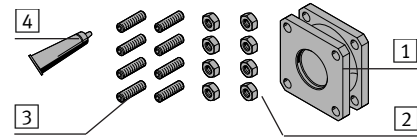
Multi-position kit DPNC:
Connection of two cylinders [5] with hole pattern as per ISO 15552 to a three- or four-position cylinder.

i Information

Connection of cylinders [5]:

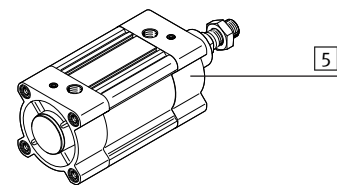
- Align axis
- Opposite stroke direction.

4. Scope of delivery



- Multi-position kit:
- [1] Flange (1x)
 - [2] Hex nut (8x)
 - [3] Threaded pin (8x)
 - [4] Adhesive LOCTITE 243 (1x)

5. Not in scope of delivery

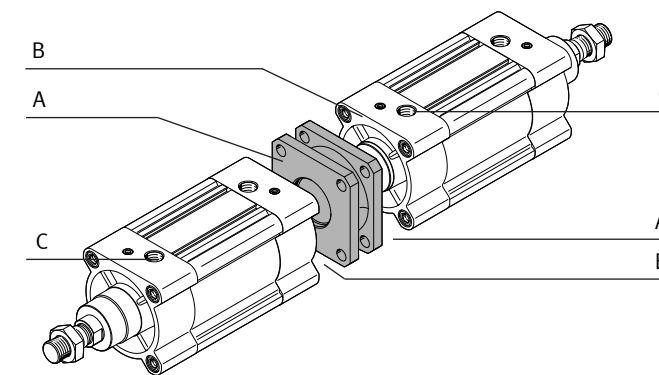


- [5] Cylinder (2x)
e. g. ADN¹⁾, ADVC, ADVU¹⁾, AEVC, DNC, DSBC, DSBG

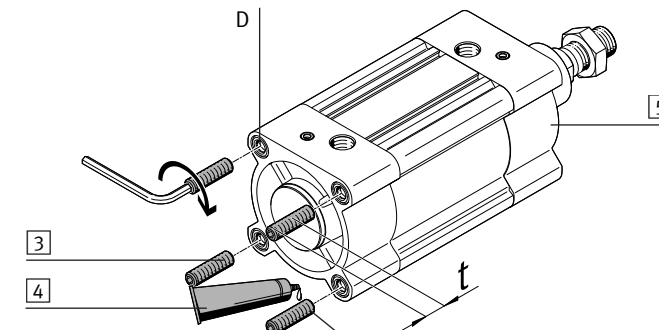
6. Thread sizes and tightening torques M_A²⁾

DPNC	32/40	50/63	80/100	125
[2] Bolt	M6	M8	M10	M12
For cylinders ADVC, AEVC, DNC, DSBC, DSBG [Nm]	5	8	15	45
For cylinders ADN, ADVU [Nm]	-	-	-	35

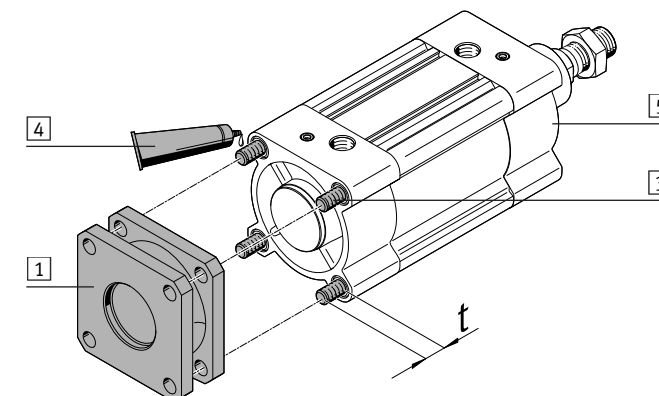
7. Mounting



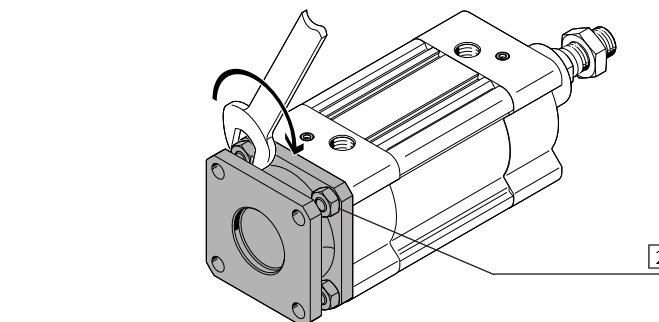
- Clean joint surfaces (A) and (B).
→ Joint surfaces (A) and (B) lie flat.
- Align air connections (C).



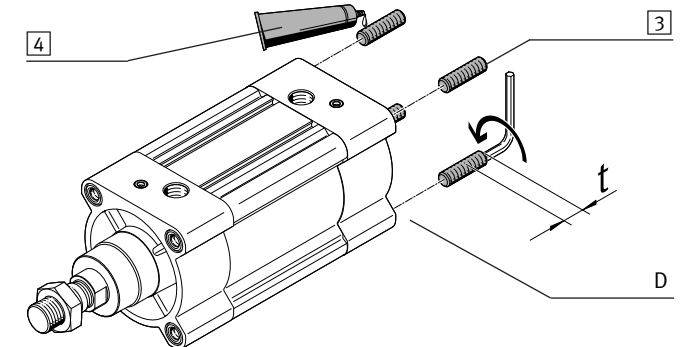
- Apply adhesive [4] to the ends to be screwed in of the threaded pins [3].
- Screw threaded pins [3] into the threaded holes (D).
Maintain projection (→ Table).



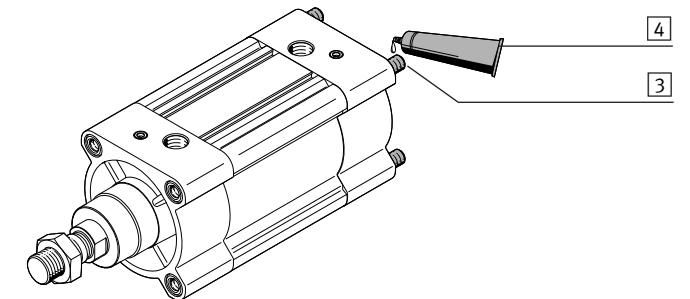
- Apply adhesive [4] to the ends of the threaded pins [3].
- Place flange [1] on the threaded pins [3].



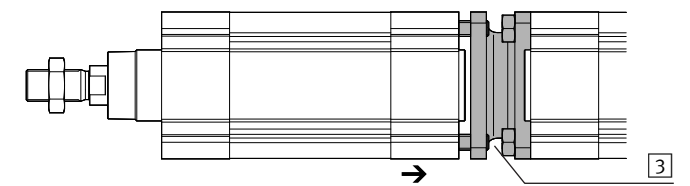
- Tighten hex nuts [2] on the threaded pins [3].



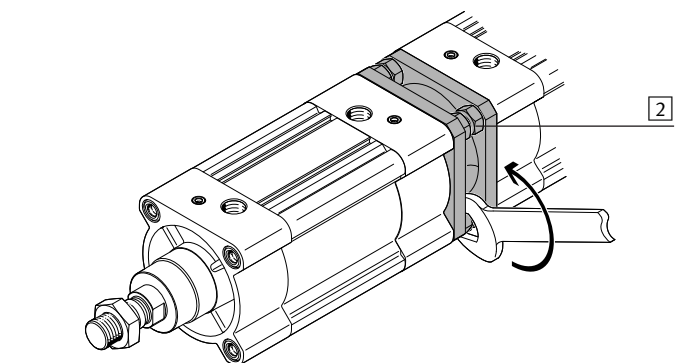
- Apply adhesive [4] to the ends to be screwed in of the threaded pins [3].
- Screw threaded pins [3] into the threaded holes (D).
Maintain projection (→ Table).



- Apply adhesive [4] to the ends of the threaded pins [3].



- Do not push threaded pins [3] into the flange holes completely.
→ Hex nuts [2] can still be put on.



- Fix hex nuts [2] on the threaded pins [3] (1/2 turn).
- Tighten hex nuts [2] in alternating order.

DPNC	32	40	50	63	80	100	125
Projection t [mm]	10.5	10.5	14	13	18	18	20

¹⁾ Only size 125 can be combined with DPNC.

²⁾ Tolerance for tightening torque M_A without indication of tolerance ± 20 %