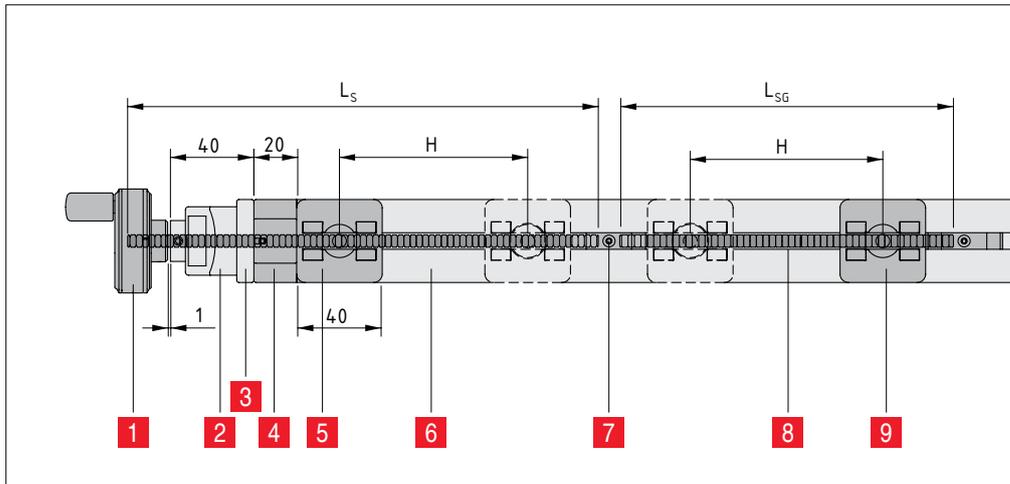


Assembly of the Positioning Set 8 40



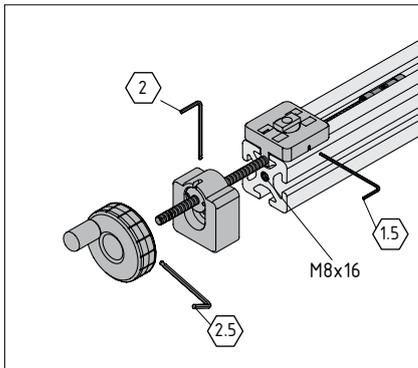
- 1** Handwheel
- 2** Digital Position Indicator
- 3** Adapter plate
- 4** Bearing block
- 5** Slide
- 6** Threaded spindle
- 7** Coupling
- 8** Threaded spindle, contradirectional
- 9** Slide, contradirectional

$L_s = H + 130$ mm (with Digital Position Indicator)

$L_s = H + 90$ mm (without Digital Position Indicator)

$L_{sg} = H + 67$ mm (contradirectional threaded spindle)

Assembly of the Positioning Set 8 40



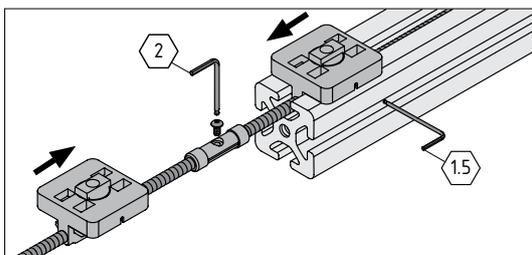
Mono-directional Positioning Set 8 40, without Position Indicator:

1. Machining: drill thread M8x16 in the profile core bore; cut the threaded spindle L_S according to calculation formula.
2. Insert slide into the profile groove, set the play of the slide on the groove using the lateral adjusting screws.
3. Screw the slide and coupling on the threaded spindle, fix the coupling, insert into the profile groove.

Warning: The coupling has two different threads (left and right hand, make sure to choose the appropriate one).

4. Slide the bearing block onto the spindle, screw the bearing block to the profile ($M = 5 \text{ Nm}$).
5. Slide the handwheel onto the spindle, fasten the handwheel by means of the grub screw.
6. Fix the spindle in the bearing block by means of the grub screw, set the position of the slide in the longitudinal direction.

Assembly of the Positioning Set 8 40 contradirectional



Additionally to Positioning Set 8 40:

1. Machining: drill thread M8x16 in the profile core bore; cut both threaded spindles according to calculation formula. The minimum length of the contradirectional spindle is calculated as follows:

$$L_{SG} = H + 67 \text{ mm.}$$

The slide of the contradirectional Positioning Set is identified by the coloured dot on the bottom side.

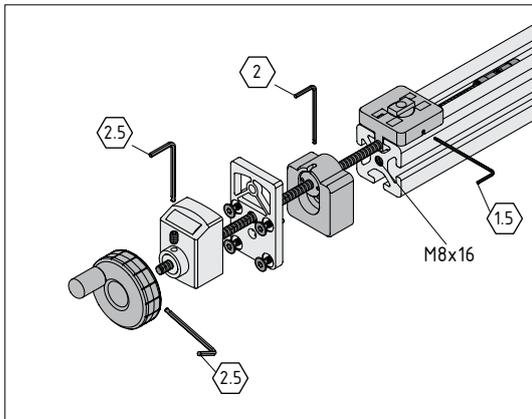
2. Insert the slide into the profile groove, set the play of the slide on the groove using the lateral adjusting screws.
3. Screw the slide and couplings on the threaded spindle, fix the couplings (recommendation: use threadlocker), insert into the profile groove.

Note: The position of the slides relative to each other must be set at this point. Once the slides have been inserted into the profile groove, it is no longer possible to set them individually.

Steps 4 - 6: see Positioning Set 8 40.

Note: To avoid a deformation of the slide, components should be screwed to it using the enclosed antitorsion devices or washers.

Installation sequence with Digital Position Indicator



Additionally to Positioning Set 8 40:

Steps 1-3, see Positioning Set 8 40

4. Screw the adapter plate for the Position Indicator to the bearing block. To do so, use the four enclosed self-cutting screws without pre-drilling.
Precisely stick down the seal on the housing of the Digital Position Indicator.
5. Slide the bearing block onto the spindle, screw the bearing block to the profile ($M = 5 \text{ Nm}$).
6. Slide the Position Indicator and the handwheel onto the spindle, fasten the handwheel on the spindle by means of the grub screw. The Position Indicator is slid on the adapter plate, first without fastening it.
7. Fix the spindle in the bearing block by means of the grub screw, set the position of the slide in the longitudinal direction.
Then the grub screw of the Position Indicator is fixed.

Documentation and development

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