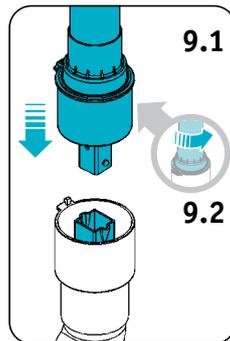
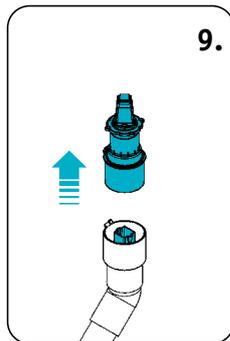
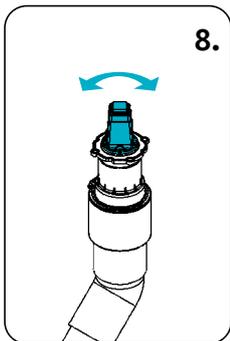
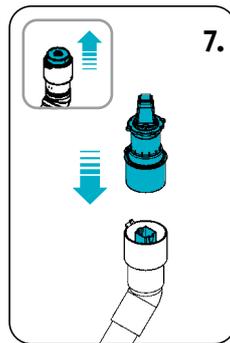
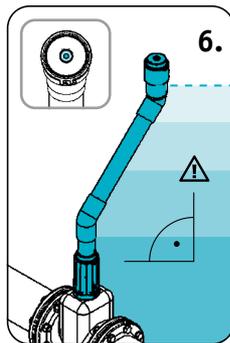
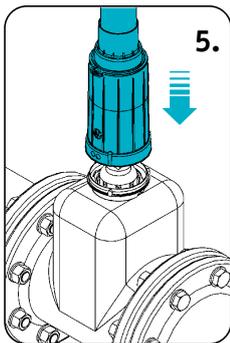
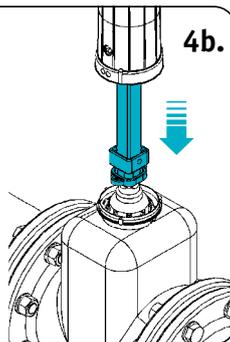
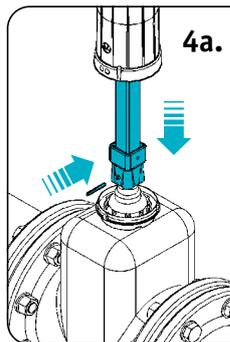
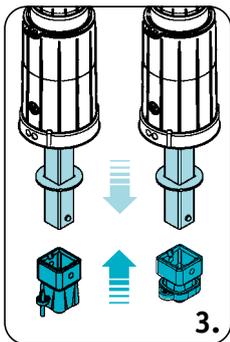
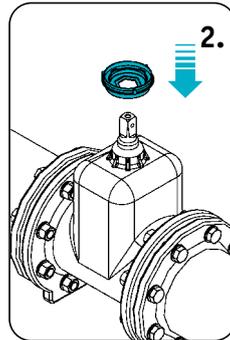
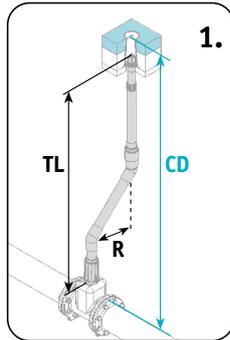


KETTLER Angle

for KIT-Telescopic-Spindle-System

Tools required:

Hammer
KIT dismantling tool
(for disassembling
spring connection pieces
if necessary)


Assembling steps

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1. Match required total length of spindle extension (TL), lateral alignment radius (R) and required cover depth (CD) and verify nominal valve size.
2. Mount matching dirt disk on valve.
3. Pull back bell tube of angle module as far as possible.
Attach coupling socket or Duplex-Coupling socket to the rod and verify, that spring connection pieces successfully snapped into the coupling socket's designated bore holes.
- 4a. **Installation: Coupling socket**
(If necessary remove the valve's operating element first.)
Mount telescopic spindle extension rod with coupling socket on valve spindle, aligning bore holes of coupling socket and valve spindle. Use bolt to connect valve spindle and coupling socket.
- 4b. **Installation: Duplex-Coupling socket**
(If necessary remove the valve's operating element first.)
Double-handedly mount telescopic spindle extension rod with Duplex-Coupling socket on valve spindle, aligning bolts of spring system and valve spindle, snapping bolts into place. Check for tight fit.
5. Connect the angle module's bell tube to dirt disk, by aligning lobes and latching them audibly.
6. Align angle module axially to the valve spindle. Backfill in layers beneath the angle module using appropriate filling material (preferably compactable soil) and compact by sluicing up to the purple coloured adaptor. Use the water spirit level in the protection cap of the angle for ideal alignment.
⚠ The angle module has to be supported by the soil to be rotatable smoothly. This assembling step requires extra high accurateness.
7. **Functional test:**
Remove red protection cap and mount red operating head (without spring connection piece).
8. Check for smooth rotatability using the red operating head.
9. **Final assembly:**
Remove red operating head (without spring connection piece).
- 9.1 Mount KETTLER KIT stainless steel telescope, black KIT operating head or KIT-Coupling module (see installation instructions KIT with coupling module) and snap spring connection piece into designated bore holes. Check for tight-fit.
- 9.2 Lock KIT-Telescope's tubing adaptor to angle module.

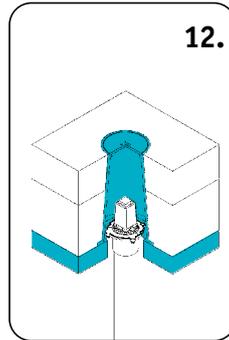
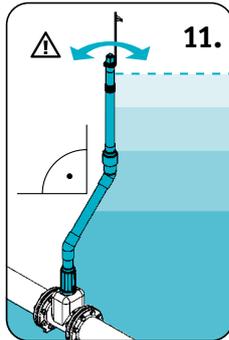
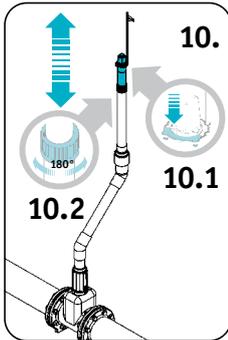


KETTLER

INSTALLATION INSTRUCTIONS

OPERATING ACCESSORIES

KETTLER Angle for KIT-Telescopic-Spindle-System



Assembling steps

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10. Adjust telescope manually to the required length and extend marking flag
- 10.1 If necessary attach marking-clip to the operating head.
- 10.2 By turning the locking ring (max. 180°) an unintentional drop of the telescope can be prevented without loss of telescopic benefits.
11. Align telescopic spindle extension in an upright position and backfill in layers with appropriate filling material (preferably compactable soil).
- ⚠ During backfilling check for smooth rotatability of the spindle extension.
12. During installation of the surface box, be sure to leave sufficient space for the operating element.