

## Installation Instructions

EN

HSI 150 (cable entry system KES-M150)

Sleeve method KES-M150-D/-KVB/-HTV/-D 3/58(-D 7/33).

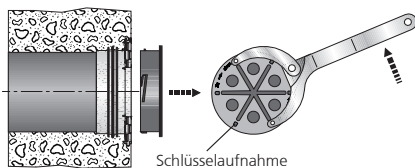
**⚠ Any national regulations regarding the laying and backfilling of pipework must be followed.**

- Pack the foundations and cable support well before laying the duct in order to prevent the system from sinking.
- The incorrect laying of cable or ducts and improper filling of the cable trench causes settlement, which can cause damage and leaks.
- Cable entries should only be opened just before fitting with cables to avoid accidental damage during shell construction work.
- The entry must not be stressed mechanically by cables or pipes.
- Do not use solvent-based cleaning agents to clean the cable entries! (we recommend using Hauff cable cleaner KR M.T.X.).
- For further accessories and information see our website [www.hauff-technik.de](http://www.hauff-technik.de) and our technical data sheets.

### General processing advice:

- Minimum installation temperature of the rubber sleeves up to + 5° C, preheat system if necessary.
- Duct connection must not be stressed with tractive and compressive forces.
- Rubber sleeves and spiral hose must not be greased.
- The end of the spiral hose must be cut to length at right angles, clean and free of sharp edges or burrs.

### 1 Open closing cover



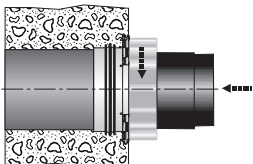
Remove protective foil if applicable (after warming slightly). Open closing cover with the SLS 6G flexible head spanner (accessory) or with SLS 6G(D) (accessory) if fitted with perimeter insulation via the wrench receptacles with a twist to the left.

If necessary, clean out concrete residue from the wrench receptacles on the black closing cover.



- Do not knock the closing cover in with a hammer or sharp object!
- Before mounting the system cover in the wall insert, clean the interior of dirt and check the sealing faces for damage.

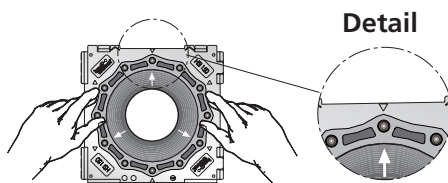
### 2 Installing system cover



Insert the pre-assembled system cover with a slight twist into the bayonet of the wall insert and screw in tight clockwise to limit stop (**red union nut must not be tightened at this point**).



Check final position by matching the marker arrows on the wall insert with the arrows on the system cover.

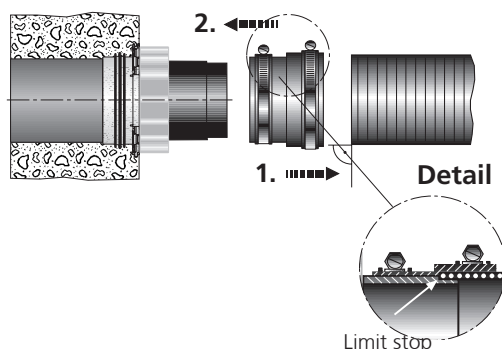


The red union nut is then tightened clockwise by hand or with the SLS 6G(D) flexible head spanner until flush with the wall insert.



- Unneeded cable entries can be used as pressure-sealed back-up entries as long as the Hauff quality seal on the closing cover is undamaged.
- We recommend fitting existing open cable entries, which are to be used as back-up entries, with new **HSI150-D** closing covers and not to reuse the removed or possibly damaged closing cover.

### 3 Preparation of variant -D



#### Hateflex spiral hose 14150

3a

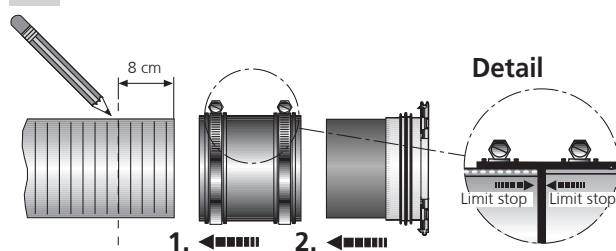
Then insert the rubber sleeve onto the spiral hose 14150 up to the limit stop (**1.**) and tighten the clamp using a **A/F 13/10 Nm** torque spanner. Then push the hose with the mounted sleeve onto the head nozzle up to the limit stop (**2.**) and tighten clamping strap using a **A/F 13/10 Nm** torque spanner.

#### Hateflex spiral hose 14125

3b

Push the sleeve with the small opening side, loose, approx. 50 cm wide, over the Hateflex spiral hose 14125 (**1.**). Then push the spiral hose approx. 4-5 cm (up to the limit stop) into the system cover (**2.**). Push the sleeve onto the pre-mounted head nozzle up to the red clamping nut and tighten both clamping straps using a **A/F 13/10 Nm** torque spanner.

#### 4 Preparation of the variant -KVB



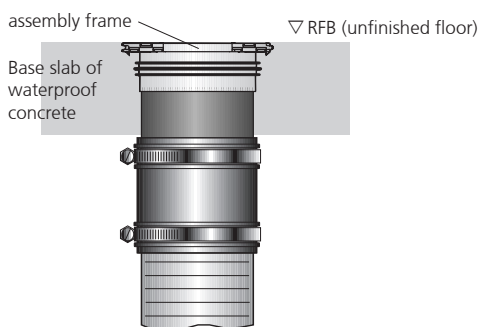
Mark the spiral hose at a distance of **8 cm**.

Afterwards, push the rubber sleeve over the spiral hose to limit stop **(marking 8 cm) (1.)** and tighten clamping strap using a **A/F 13/10 Nm** torque spanner.

Then push wall insert into the rubber sleeve until limit stop **(2.)** and tighten clamping strap using a **A/F 13/8 Nm** torque spanner..

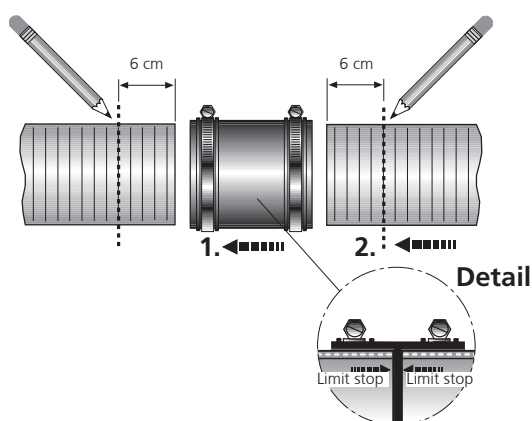
#### Setting in concrete in base slabs

Variant -KVB and waterproof concrete



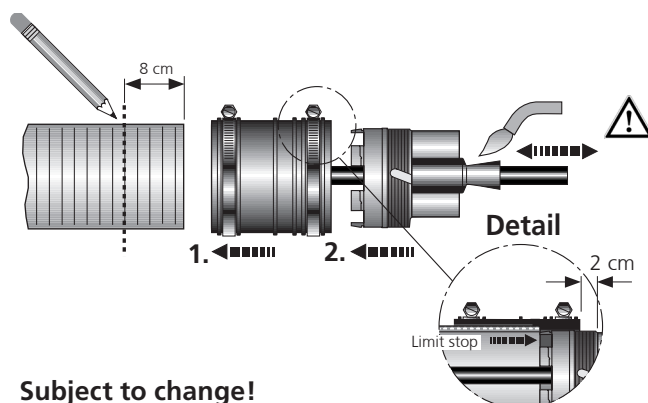
- Please consider the correspondent installation instruction for the installation of the system covers.
- However the split system cover HSI 150-DG as well as HRD press seals are not suitable for the use in an assembly frame of the variant KES-M 150-KVB that is **not** embedded in concrete.

#### 5 Preparation of the variant -HTV



Mark both ends of the spiral hoses at a distance of **6 cm**. Push the rubber sleeve over the first spiral hose until limit stop **(marking 6 cm) (1.)** and tighten clamping strap using a **A/F 13/10 Nm** torque spanner. Then, insert the second spiral hose into the rubber sleeve until the limit stop **(marking 6 cm) (2.)** and tighten clamping strap using a **A/F 13/10 Nm** torque spanner.

#### 6 Preparation of the variant -D3/58 (KS) (-D7/33 (KS)



Mark the spiral hose at a distance of **8 cm**.

Afterwards, push the rubber sleeve over the spiral hose to limit stop **(marking) (1.)** and tighten clamping strap using a **A/F 13/10 Nm** torque spanner.

Then, push system cover into the rubber sleeve until limit stop **(2.)** and tighten clamping strap using a **A/F 13/10 Nm** torque spanner.

The threaded end of the system cover must be **2 cm** outside the sleeve.

Afterwards, the pre-shrunk warm or cold shrink sleeves are shrunk onto the individual cables/pipes.

Subject to change!

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