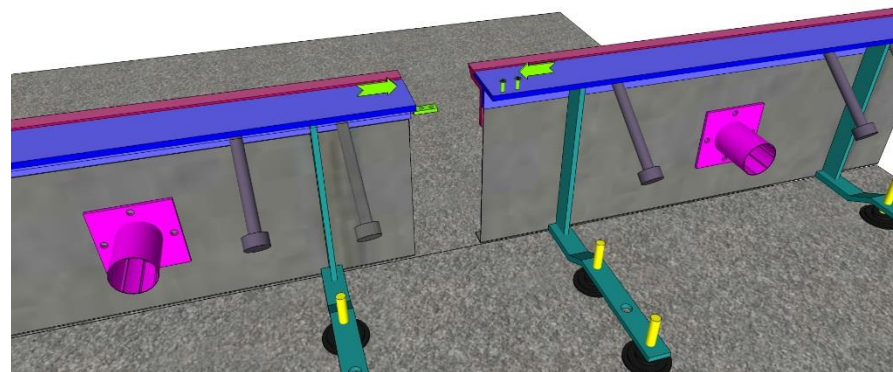
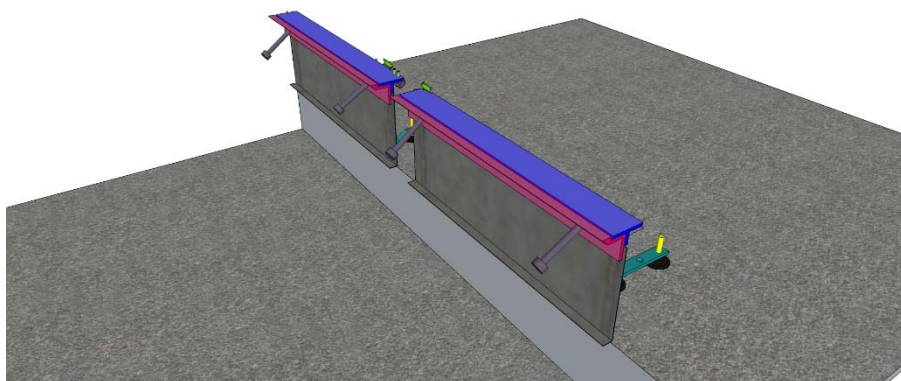


Installation instructions for Herkules RFL



1. Positioning and extending the individual elements

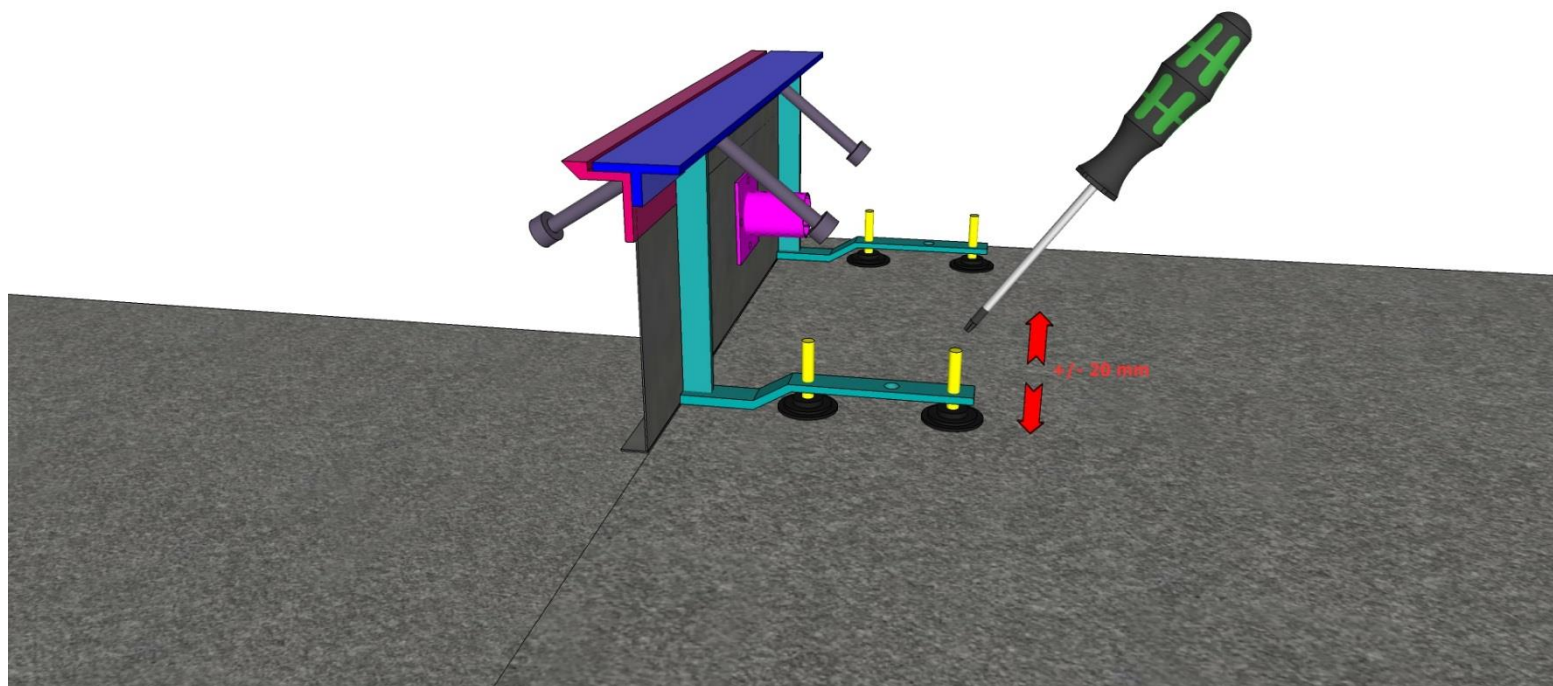
Loosely line up the elements along the length of the entire axis.

Connect and extend the individual profile elements by using the integrated screw connections at both ends of each element and measure the exact lengths of possible end pieces.

If you have not ordered the profiles with the exact lengths needed, you can take any standard element and cut it on site to the appropriate size with a diamond blade.

All end pieces and parts can be connected to the other elements with the integrated screw connections.

In case you have an end piece with only one profile foot, please make sure that it is sufficiently fixed (see point 3).



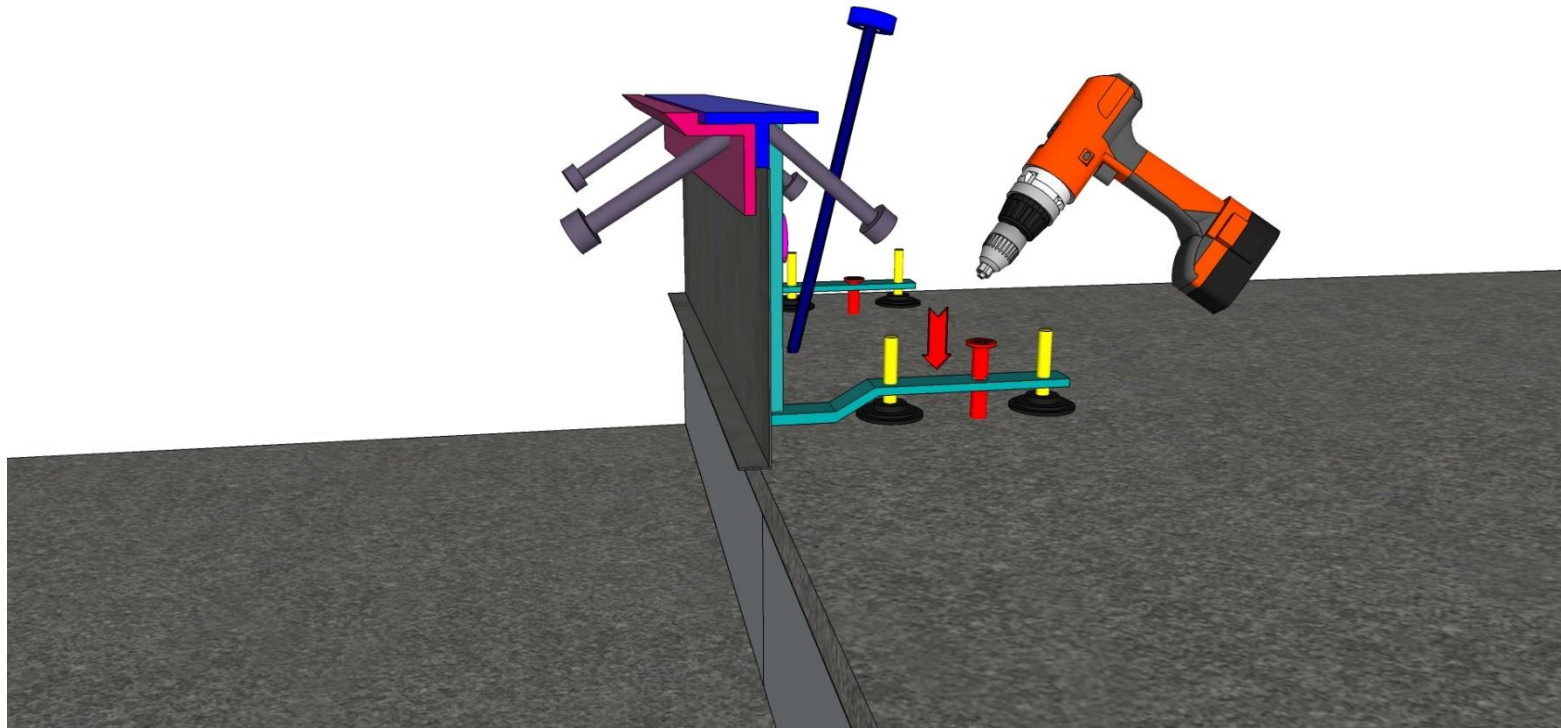
2. Height adjustment

The height of the profile can be adjusted by using the integrated adjusting screws in the profile foot. You can adjust our joint profiles up to a maximum of 20 mm in height.

The profile head can be regarded as a reference point for the top level of the finished concrete slab.

Make sure to create a leakproof barrier at the bottom of the profile sheet in order to guarantee a complete separation of the parts.

We recommend to use PE- perimeter isolation strips and / or PU-expanding foam.



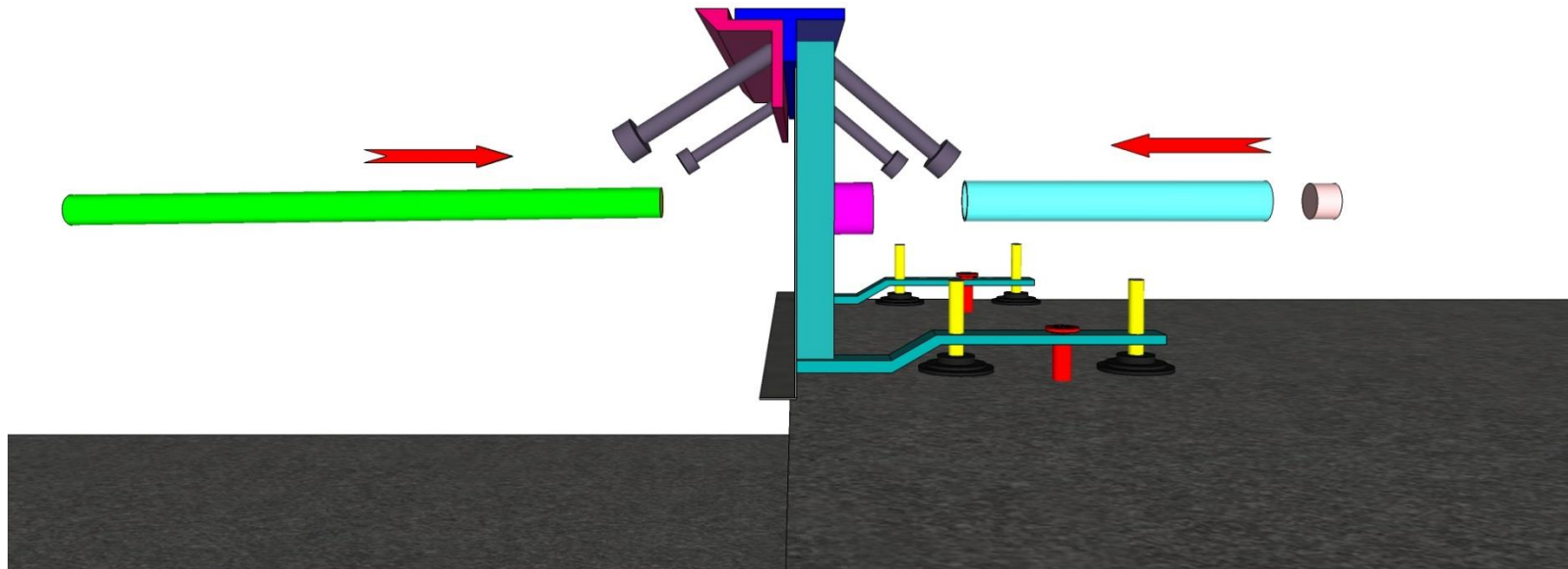
3. Fixing to the undersurface

In the profile foot are integrated mounting holes with a diameter of 8 mm where you can screw the profiles to the undersurface (in case of sub concrete, for example).

Fixing the profile with steel pins (on loose gravel undersurfaces), which are driven in the ground, can be done alternatively or in combination. The steel pins can then even be connected to the tread anchors with weld points.

Fixing the profiles to the undersurface can be done in several different ways and should best be adjusted to the local conditions. Experience has shown, however, that the above-mentioned options work best.

Whatever option you choose, please make always sure that the profiles are sufficiently fixed and stabilized for casting concrete but also not rigidly connected with the undersurface. Rigid connections will affect the natural absorption of movement during shrinkage.

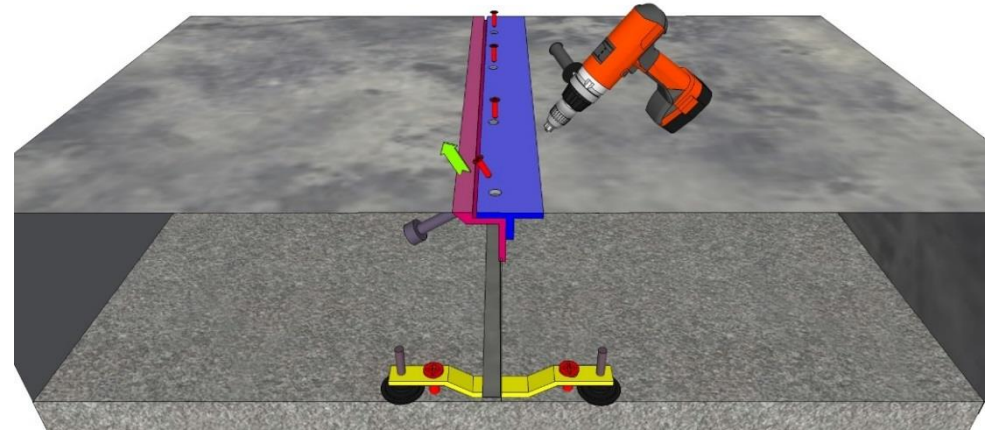
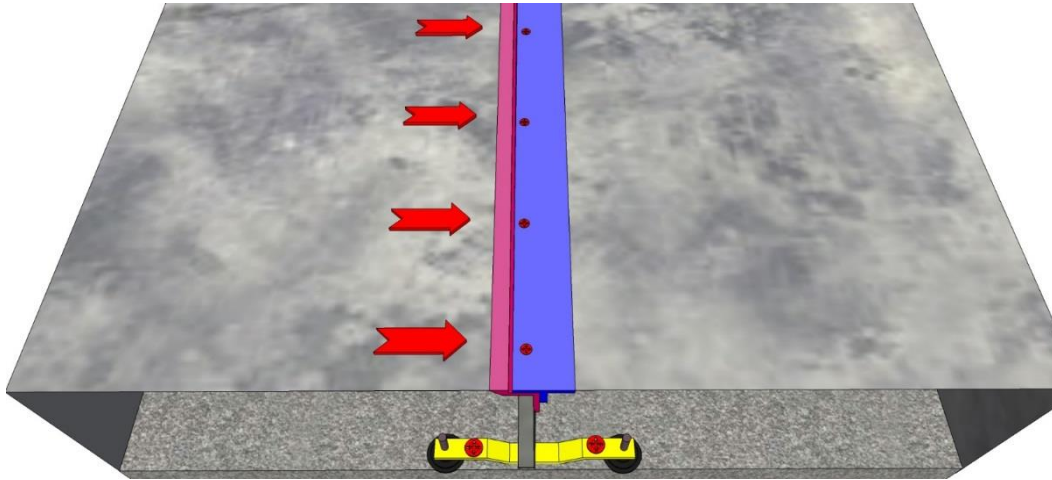


4. Load transfer dowels and dowel sleeve system

Our profiles are equipped with an integrated dowel sleeve system which secures the position of the load transfer dowels.

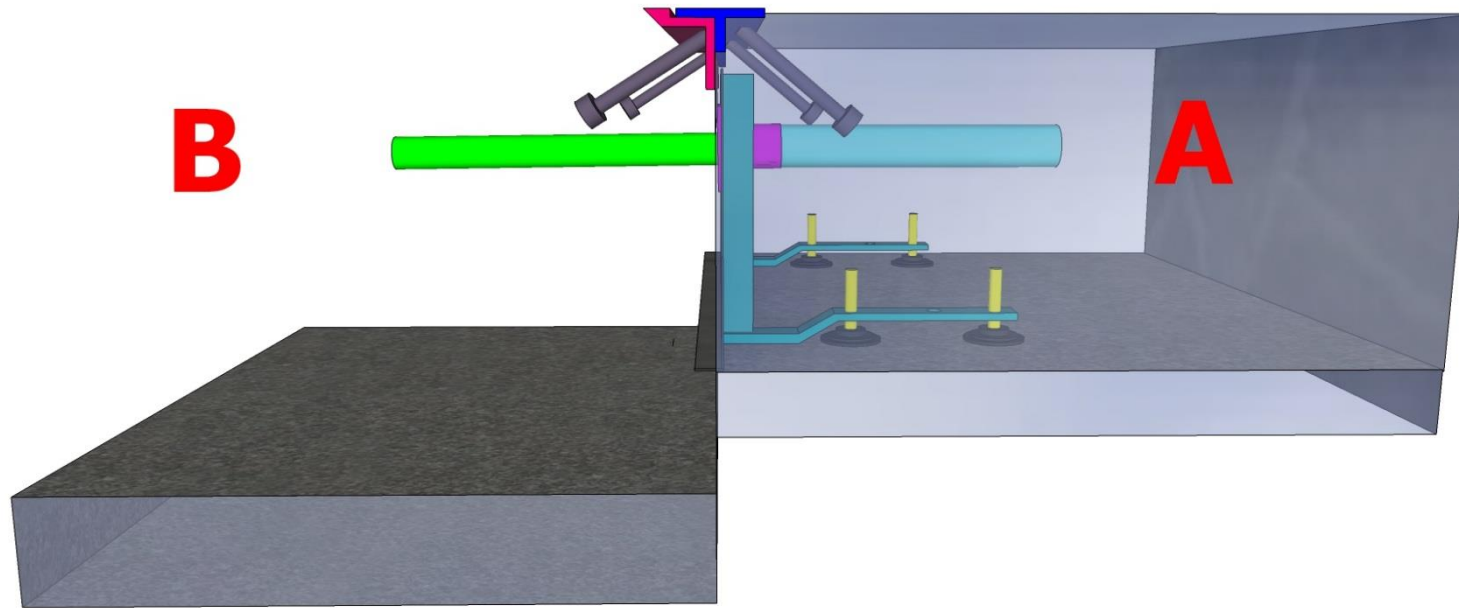
At first, fit the sleeve and stopper on the profile sheet. Then insert the load transfer dowel from the other side of the profile sheet.

Please consult with your responsible building planner / structural engineer and take into consideration the information about the building and the local conditions in order to choose the correct dimensions and positioning of the load transfer dowels.



5. Removal of the transport locks

The two-piece profile head is secured with transport locks. These are color-highlighted steel screws on the top surface of the profile head.

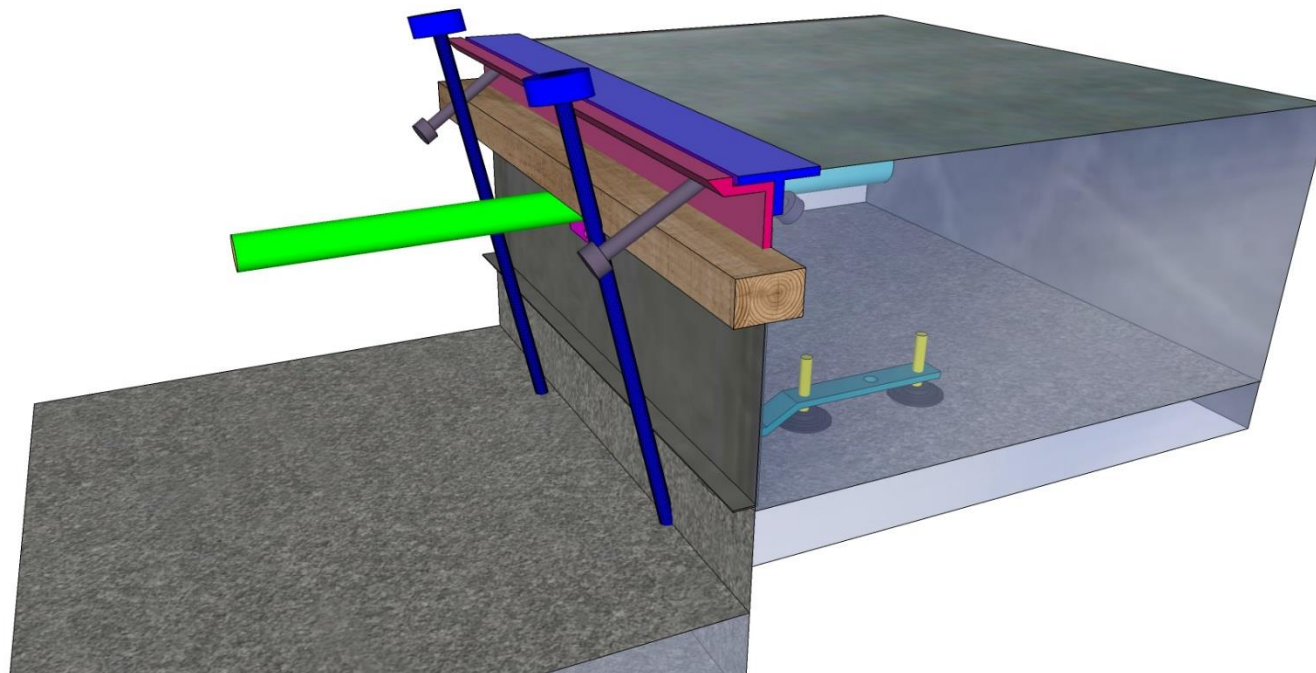


6. Removal of the transport locks in the case of simultaneous concreting (A&B)

The transport locks have to be removed as soon as the concrete has set enough to walk on or rather before the first movement due to shrinkage begins!

Removal of the transport locks in case of time-displaced casting of the concrete (first A and then 24 hours later B, for example):
Start casting concrete in section A, never loosening or removing the transport locks at any time. Only after the time-displaced casting of concrete in section B is finished remove the transport locks as follows:

The transport locks have to be removed as soon as the concrete has set enough to walk on or rather before the first movement due to shrinkage begins!
Please carry out this task with great care in order to guarantee best absorption of any movement of the profile.



Please note:

7. Additional fixing

With a floor thickness of more than 20 cm and/or soft undersurfaces we recommend additional measures of fixing the profiles against the pressure of the concrete.

Please note: Our application-specific recommendations correspond with our experiences. We recommend to adjust the installation to the local conditions and refer to our general terms and conditions of sale and our delivery conditions. As a basic principle, we reject any liability claims for above mentioned instructions.