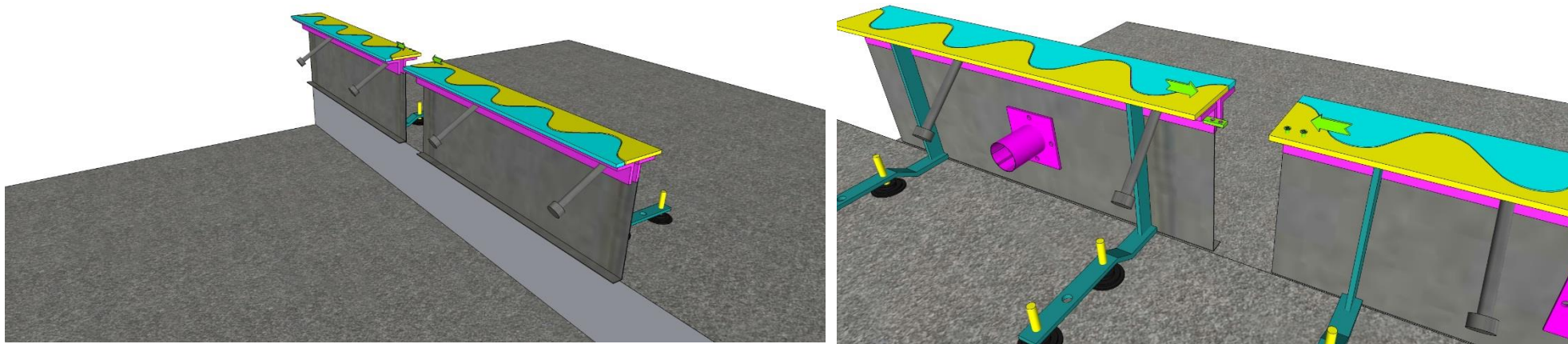


Installation instructions for Herkules ERL



1. Positioning and extending the individual elements

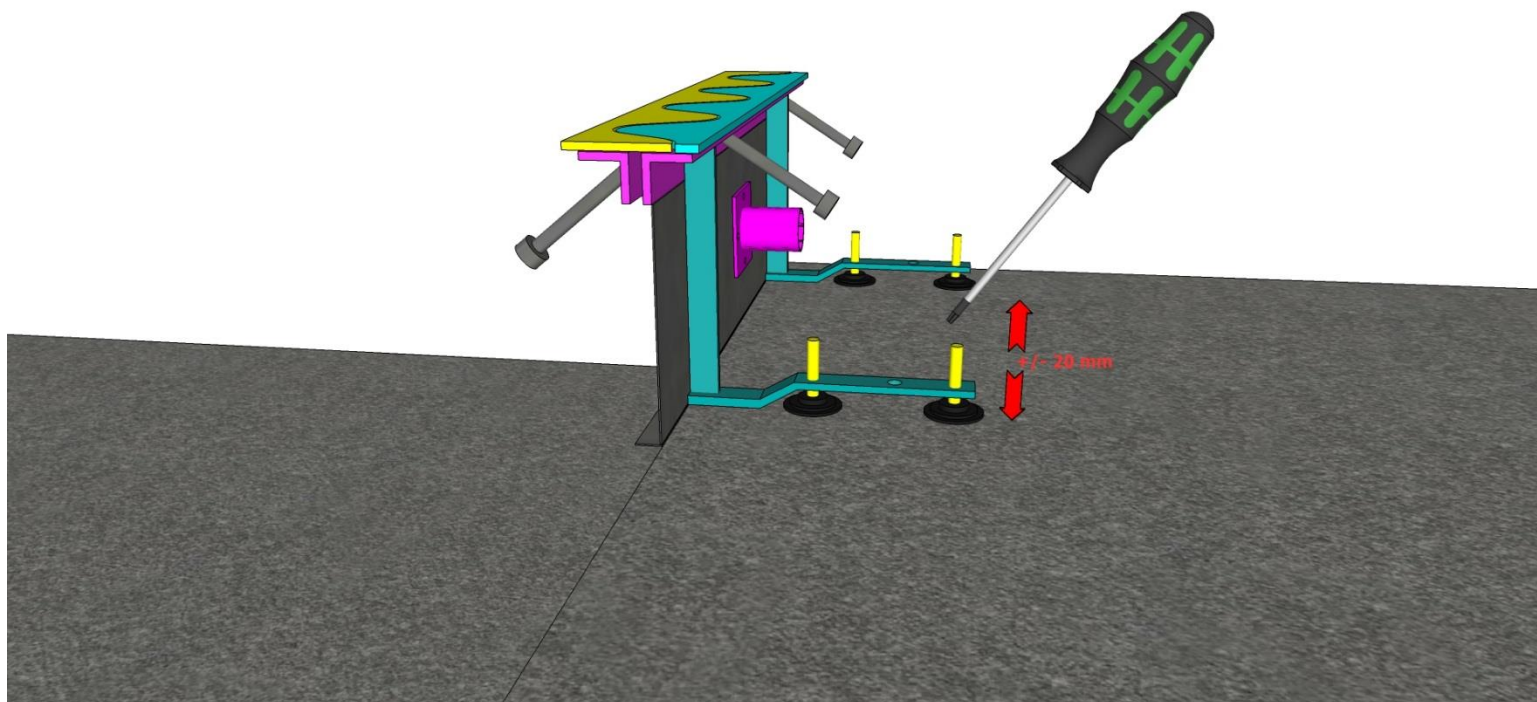
Loosely line up the elements along the length of the entire axis.

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).



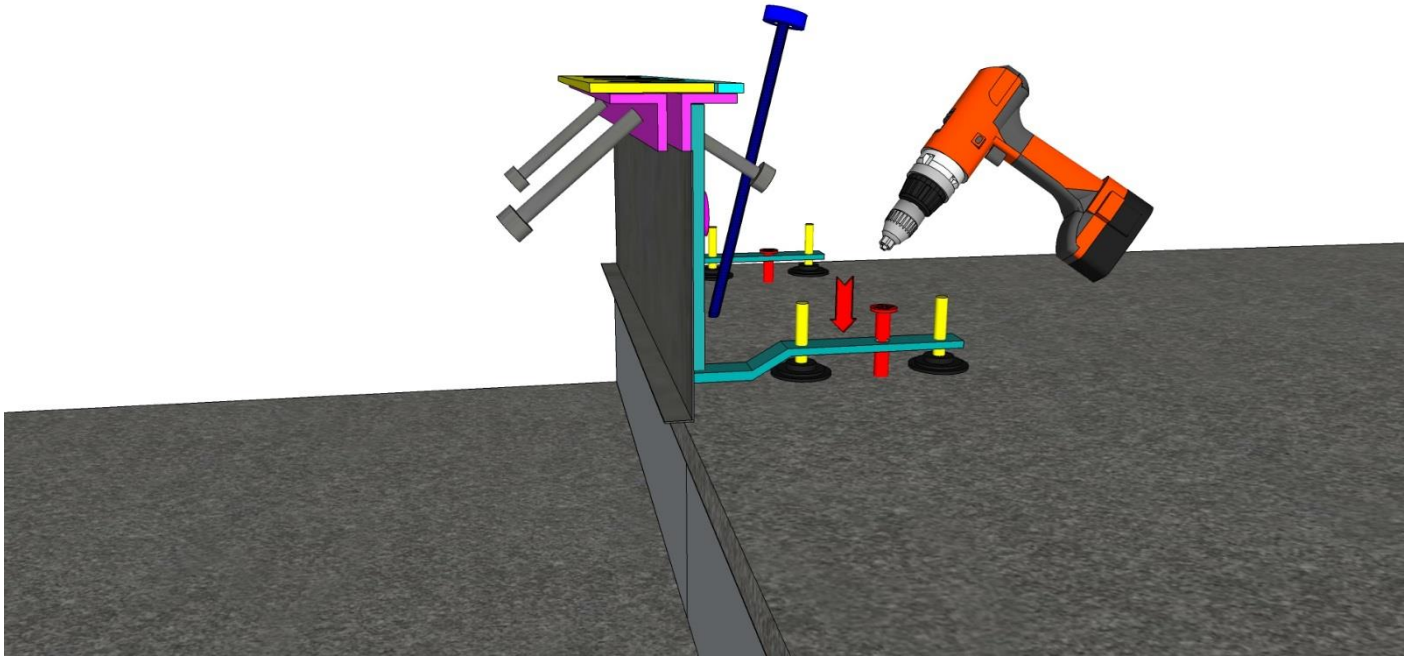
2. Height adjustment

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.



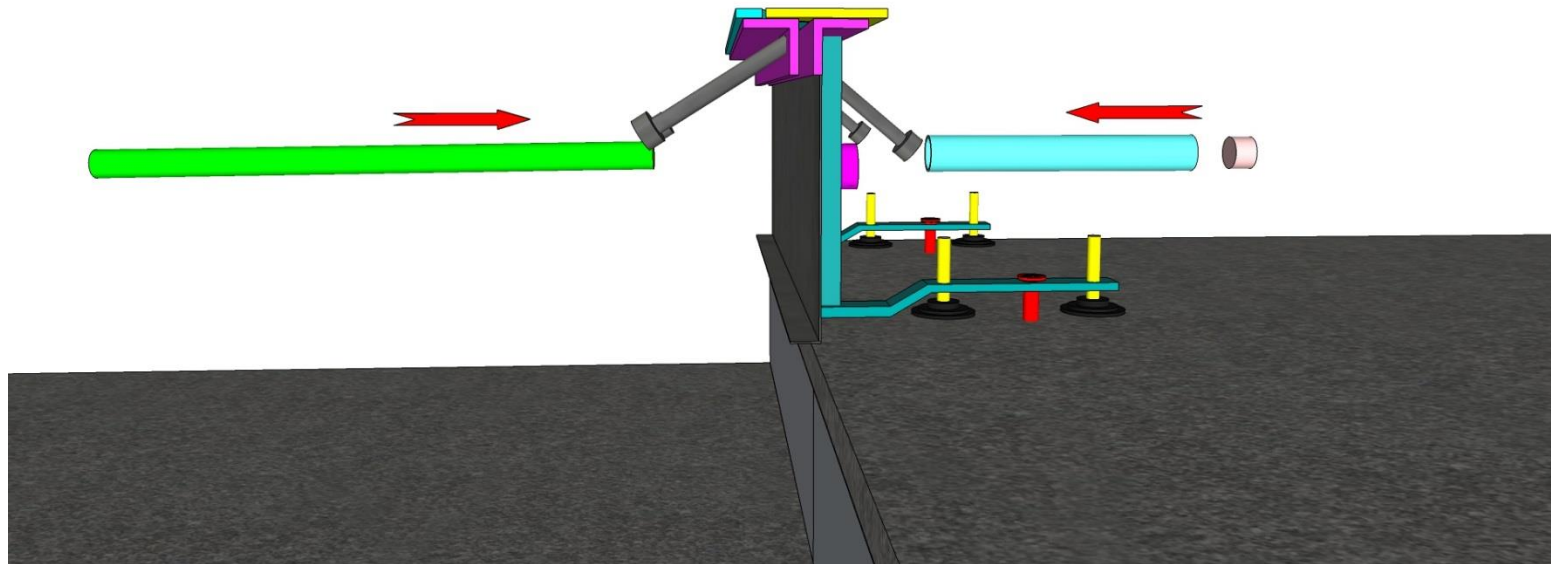
3. Fixing to the undersurface

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. Rigid connections impair the natural absorption of movement when the concrete surfaces shrink.



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.



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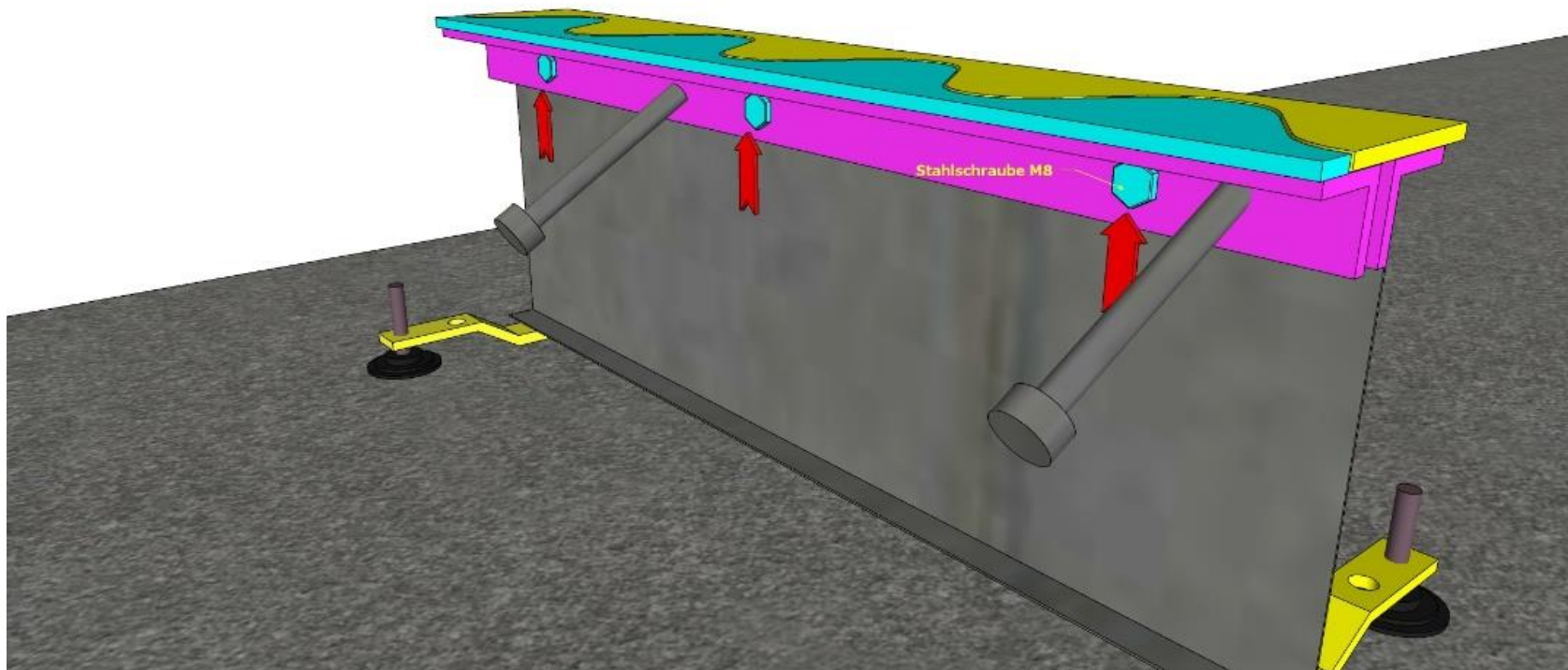
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5. CAUTION! Transport locks!

The two-piece profile head is secured with transport locks. These are steel screws with PVC (polyamide) nuts. They are situated on the profile head and are tagged on the drawings below with red arrows. **The PVC nuts will tear off on their own with the subsequent movement due to shrinkage of the foundation slab.** Therefore, no further measures are necessary and best absorption of movement of the profile head can be guaranteed after casting concrete.

NEVER LOOSEN THE ABOVE-MENTIONED SCREW CONNECTIONS!

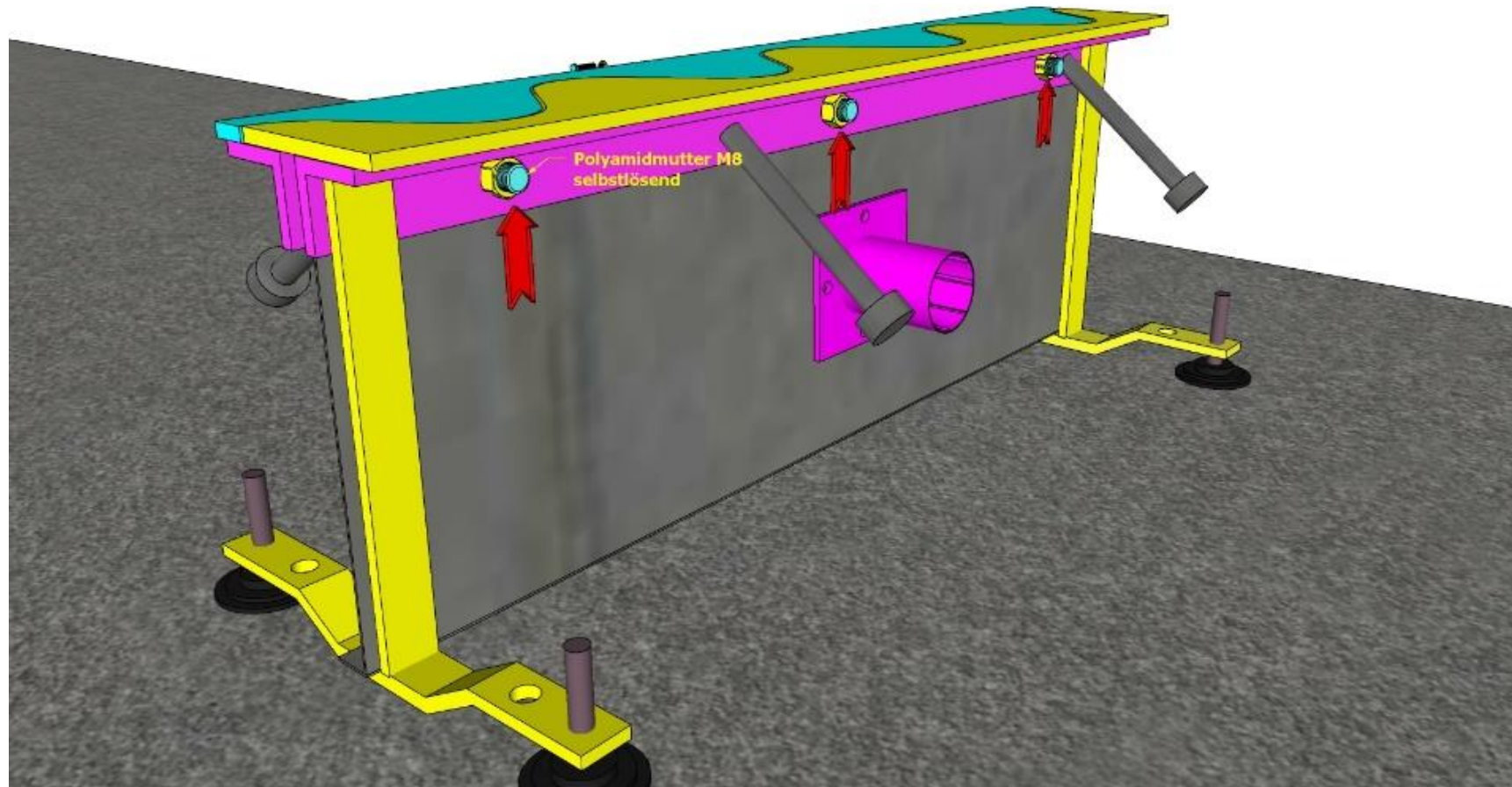
Following are three 3D drawings by way of illustration.





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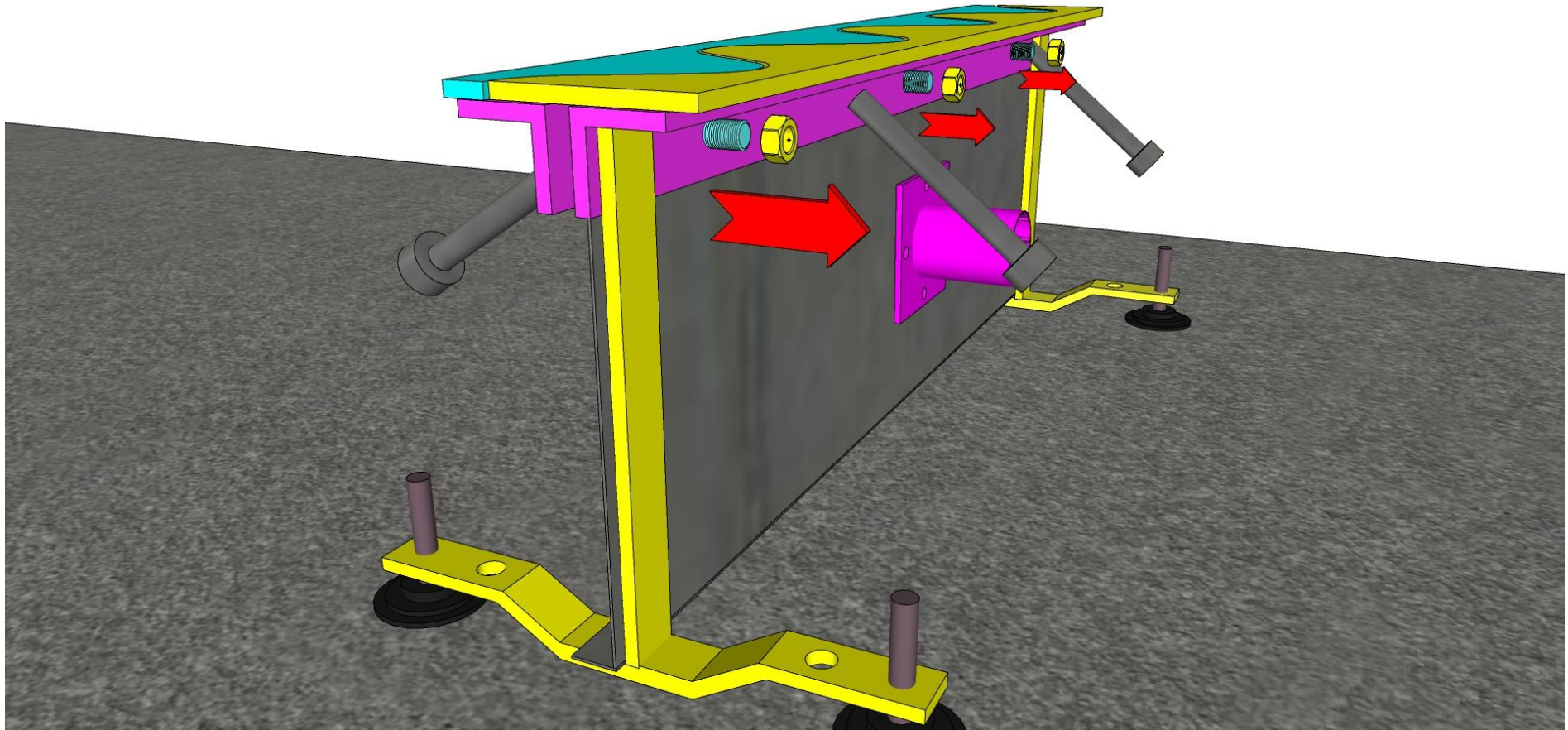
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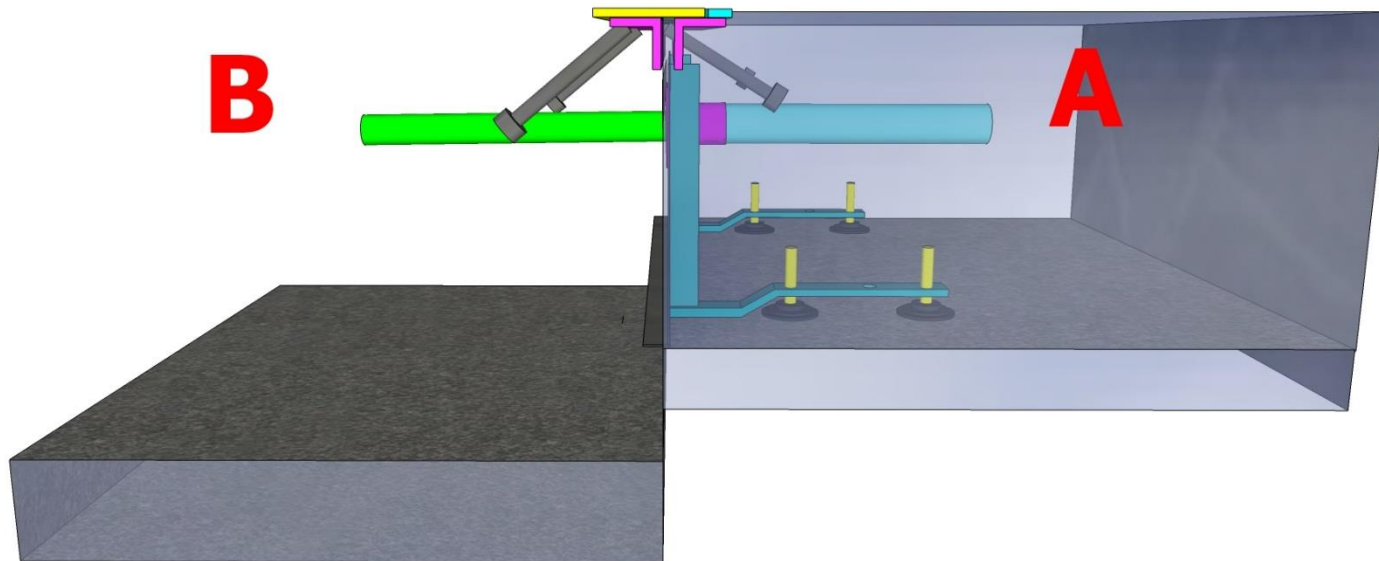
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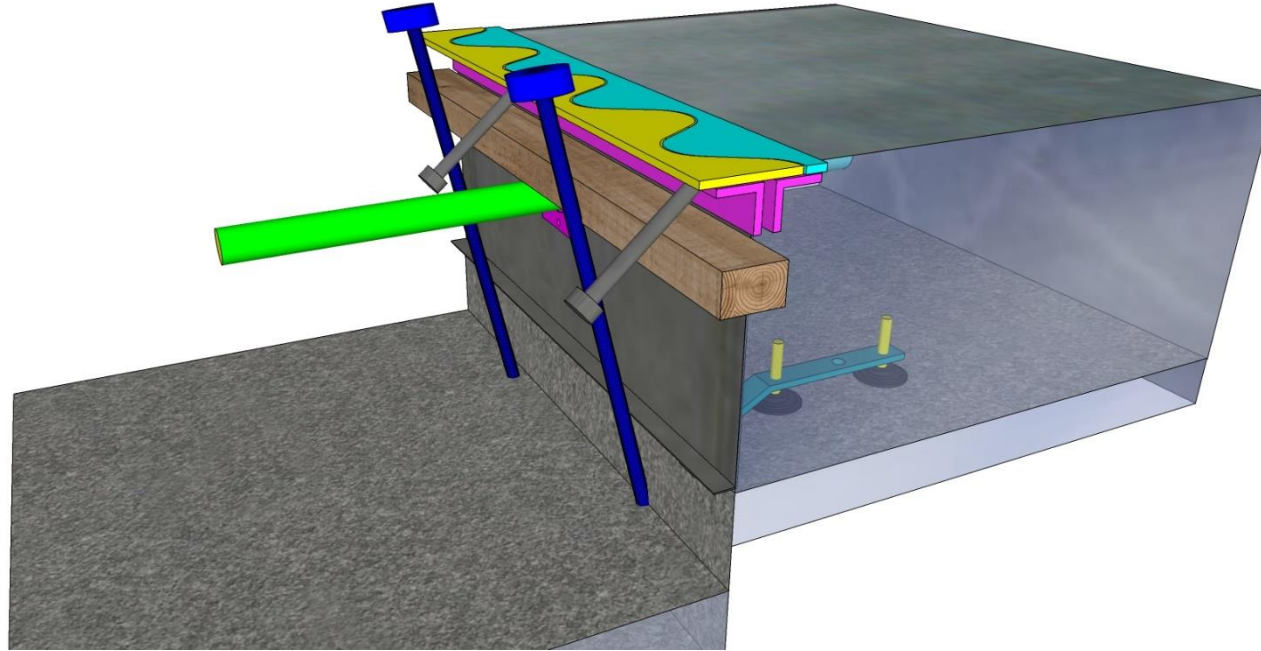
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6. Time-displaced casting of the concrete (A&B)

For a time-displaced casting of the concrete and the resulting concreting sections we recommend to position the profiles as shown in the drawing bellow. Then start with casting the concrete at section A. **We also recommend a waiting period of at least 48 hours before casting the next section.** This allows the concrete enough setting time in order to allow thorough anchoring in the first section (A).





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.