



assembly manual

**ANÆ** tree grate model Velve

tree grate height: 4cm

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09-03-2017



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product picture

## ANÆ tree grate model Velve

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regulation 

## ANÆ tree grate model Velpo

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Installation and maintenance may be only performed with original components.

The national and international rules must be used. ANÆ Streetfurniture is not responsible for damage caused by improper use. Installation has to be done by qualified personnel.

Tree grates may only be used for prescribed purpose.

Vehicle pressure may not be applied to the treegrates before completion of assembly protocol.

When, using M12 sets, the surface of the grates is not level across the segments after placement M10 sets need to be applied. ANÆ can supply these sets.

The images in this document are indicative for the model. Some discrepancies between image and product may occur with different model and sizes.

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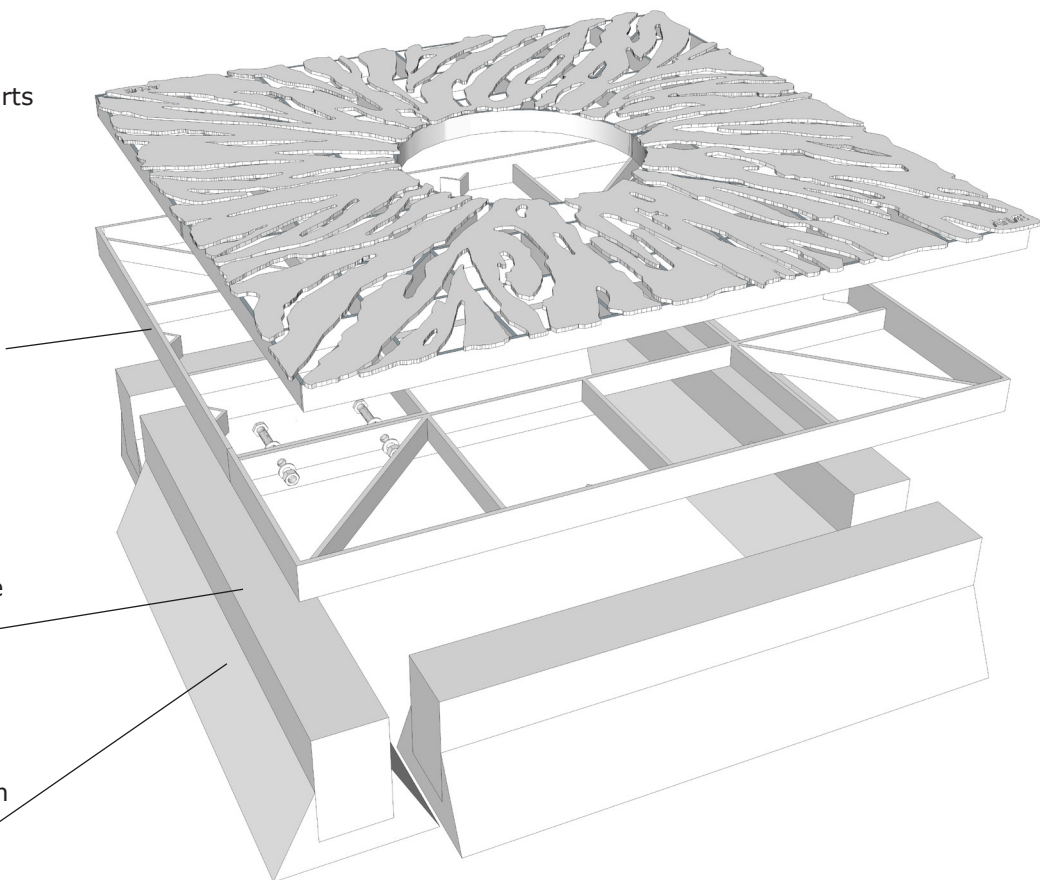
tree grate with light frame  
**ANÆ** tree grate model Velve  
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Tree grate - four parts

Light frame  
 two or four parts

Concrete Curbstone  
 250x150 mm o.e.  
 (not included)

Concrete foundation  
 (not included)



**Pic. 1**

**Attention:**

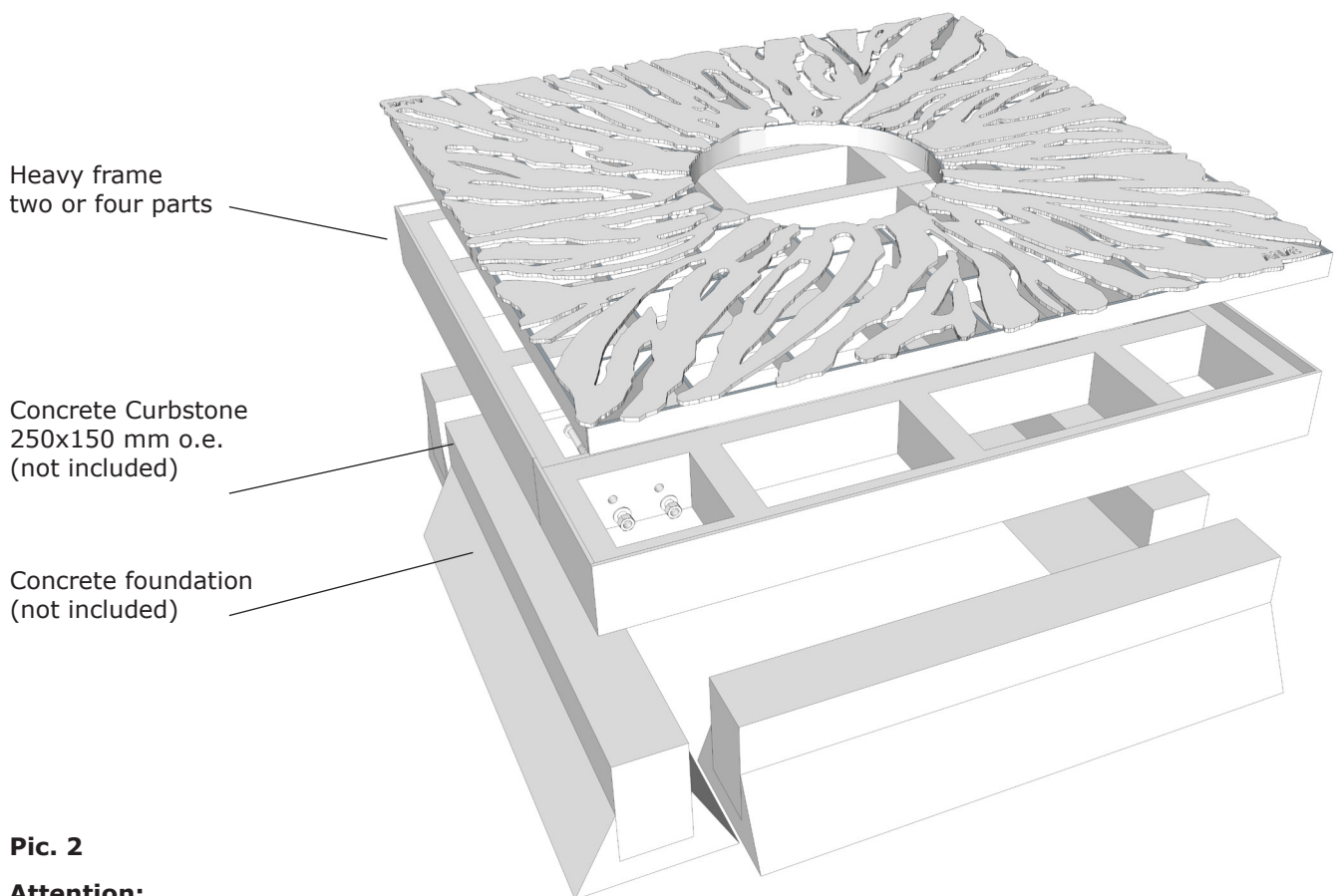
With grates larger than 2 meters support tiles need to be applied around the opening in the grate.  
 Only by properly installing the system, a traffic class B for cars according to NEN-EN 1991-2: 2003 has been achieved.

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tree grate with heavy frame  
**ANÆ** tree grate model Velpo  
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Tree grate - four parts



**Pic. 2**

**Attention:**

With grates larger than 2 meters support tiles need to be applied around the opening in the grate.  
 Only by properly installing the system, a traffic class C for trucks according to NEN-EN 1991-2: 2003 has been achieved.

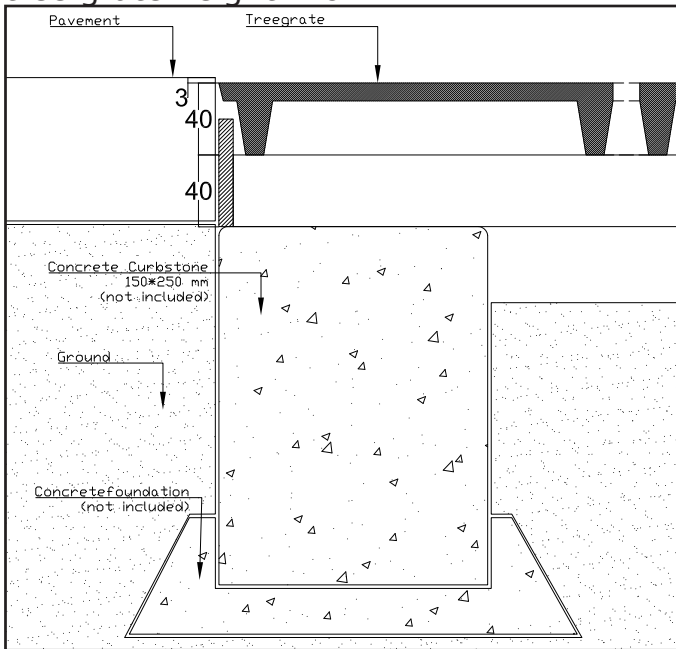
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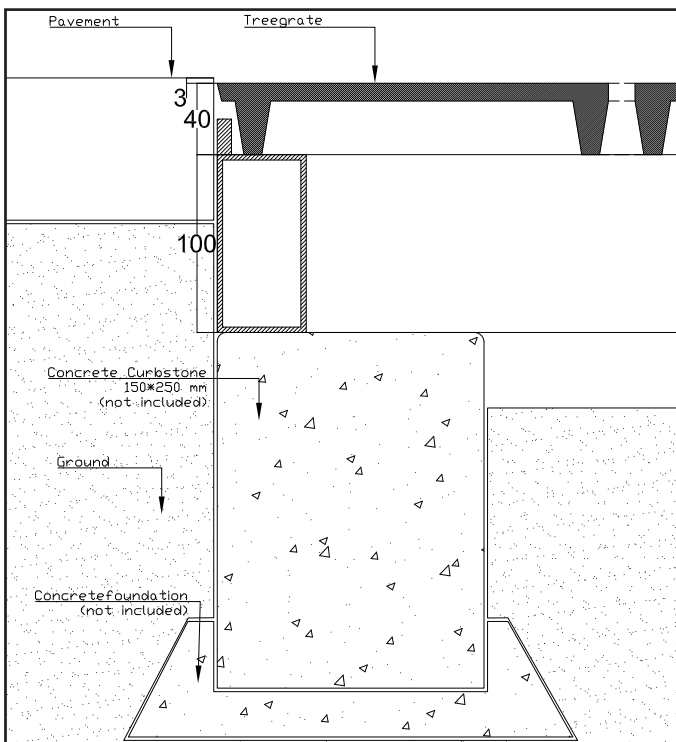
section with frames

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**Pic. 3**  
**Light frame**



**Pic. 4**  
**Heavy frame**

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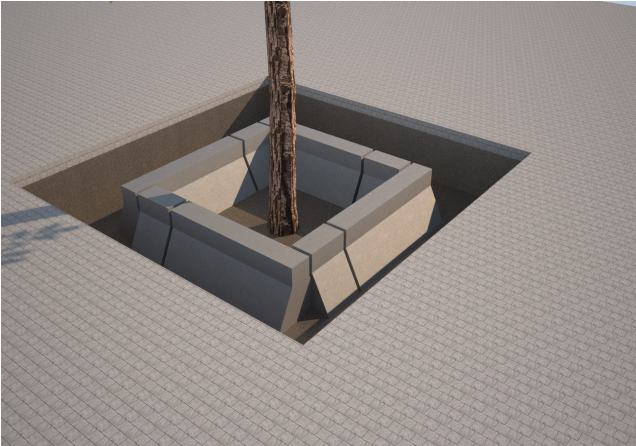
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## assembly steps

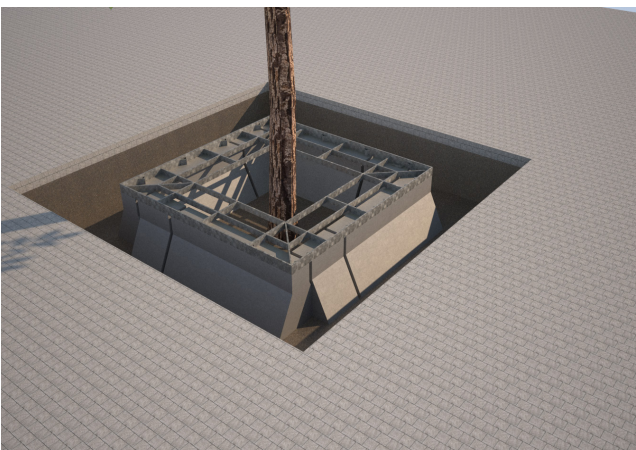
### ANÆ tree grate model Velpo

tree grate height: 4cm



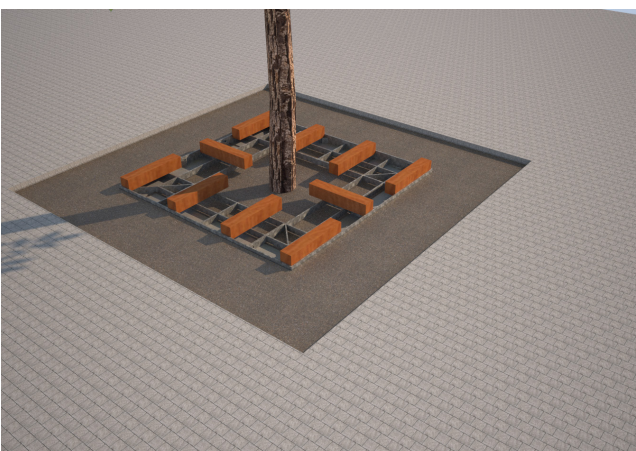
**Place Foundation**  
Curbstones of 250x150x1000 or similar (not included) all around. Where necessary provide gaps for roots. After checking that the curbstones are level set them in concrete.

**pic. 5**  
**Foundation**



**Place frame**  
Place the ANÆ light or heavy frame on the curbstones. Pay attention to the total height! See sections.

**pic. 6**  
**Frame**



**Temporary wooden beams**  
To be able to place and assemble the tree-grate based on manpower alone we suggest placing wooden beams on the frame. These beams allow access to the connection holes of the grate's segments. Attention! the beams need to be placed inside of the raised strip of the frame.

**pic. 7**  
**Temporary beams**

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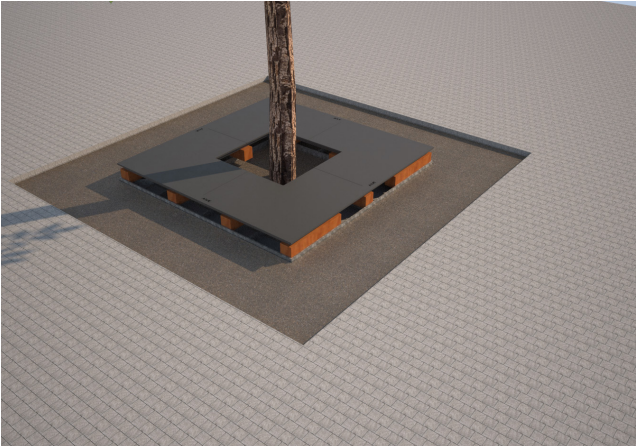
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## assembly steps

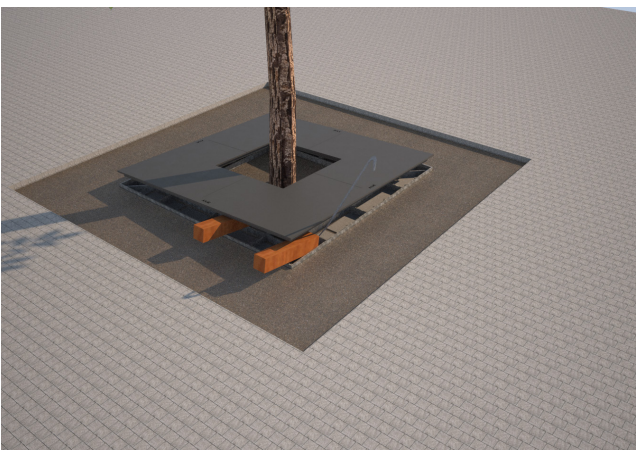
### ANÆ tree grate model Velpo

tree grate height: 4cm



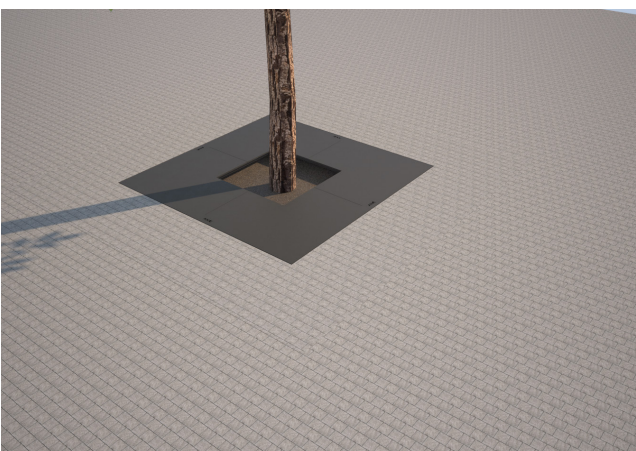
**Place Tree-grate**  
Place the grate segments on top of the wooden beams and interconnect them.

**pic. 8**  
**Tree-grate on wooden beams**



**Remove beams**  
By using a crowbar, or something similar, lift the interconnected grate segments so that you can remove the beams from underneath the grate.

**pic. 9**  
**Placing the grate**



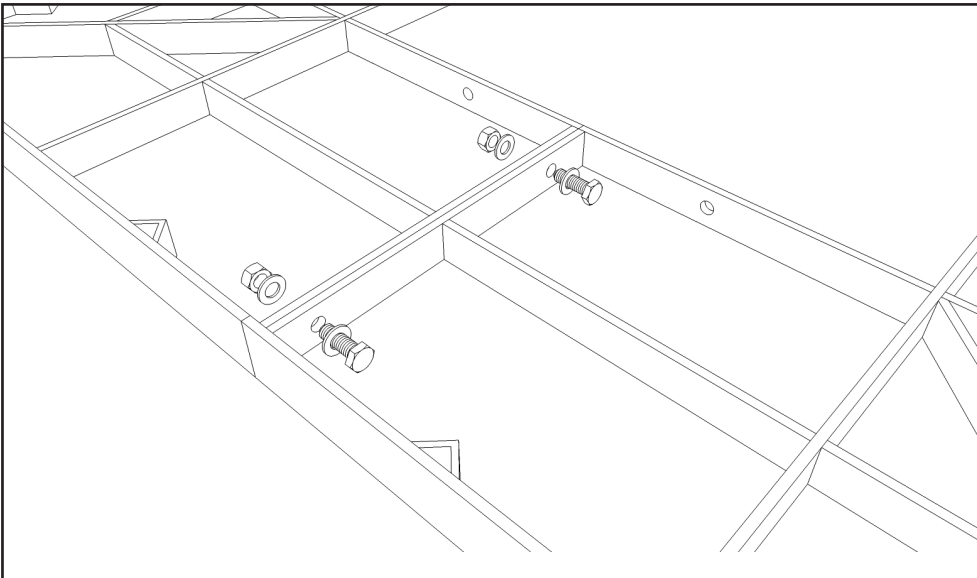
**Finish pavement**  
Check to make sure the grate lays inside the raised strips of the frame. If so finish placing the pavement.

**pic. 10**  
**Result**

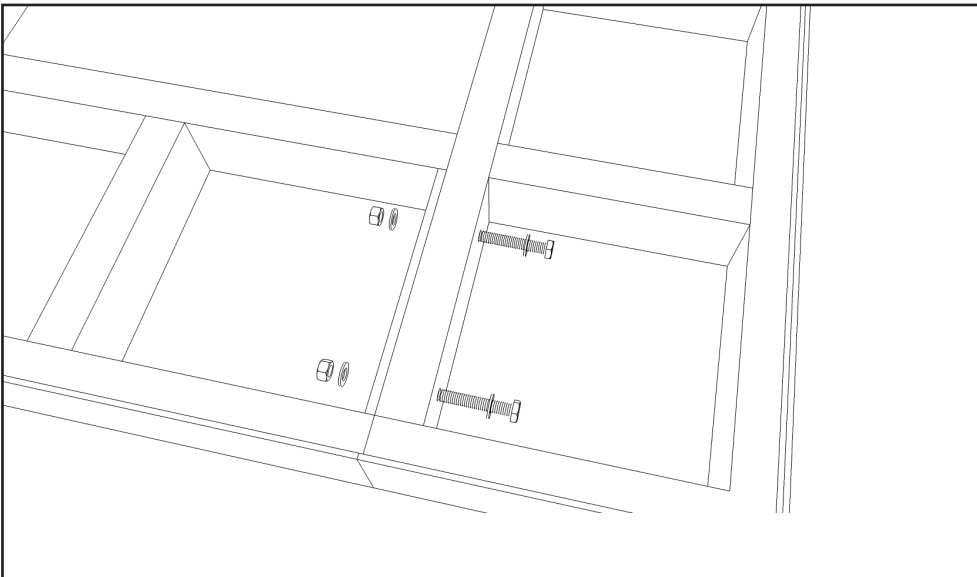
assembly frames

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**Pic. 5** Light Frame  
Bolts DIN933 M12  
Rings DIN125  
Nuts DIN985 M12

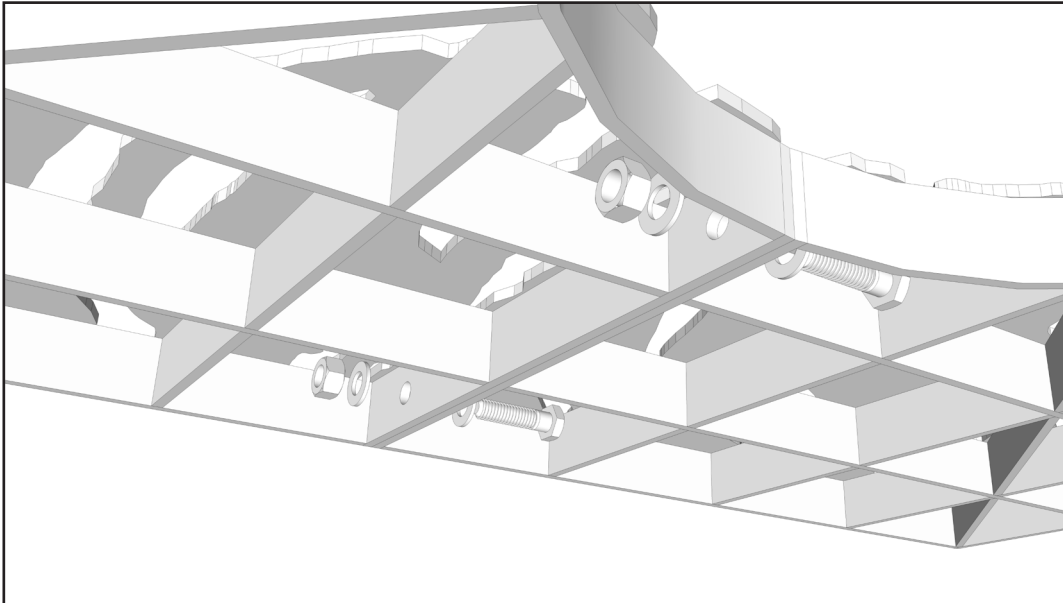


**Pic. 6** Heavy Frame  
Bolts DIN933 M12  
Rings DIN125  
Nuts DIN985 M12

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assembly tree grate  
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**Pic. 7**

Bolts DIN933 M12  
 Rings DIN125  
 Nuts DIN985 M12