# Hexadome L Installation

Version 3.2
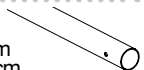
# BOX CONTENTS
## Hexadome Large

- **1x** *CS-0551* Sub frame center
- **6x** *CS-0539* Sub frame beam ø90 mm - 149 cm
- **6x** *CS-0558* Sub frame connector
- **6x** *CS-0559* Locking strip
- **18x** *CS-0540* Upper main profile ø125 mm - 157 cm
- **6x** *CS-0541* Upper X-connector
- **6x** *CS-0542* Lower X-connector
- **6x** *CS-0543* T-Connector Upper Left Has 2 eyes for the cables
- **6x** *CS-0545* T-Connector Upper Right Has 2 eyes for the cables
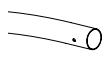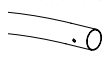- **6x** *CS-0544* T-Connector Lower Left Has 1 eye for a cable
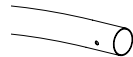- **6x** *CS-0546* T-Connector Lower Right Has 1 eye for a cable
- **6x** *CS-0538* Lower (short) sub profile ø90 mm - 130 cm
- **6x** *CS-0537* Upper (long) sub profile ø90 mm - 233 cm
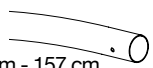
- **36x** *CS-0536* Lower Main profile ø125 mm - 277 cm
- **40x** *CS-0093* Locking pin (medium) ø90 mm profile
- **140x** *CS-9039* Locking pin (large) ø125 mm profile
- **190x** *CS-0248* Securing ring

L

- **6x** *CS-0560* Foot connector Left
- **6x** *CS-0561* Foot connector Right
- **6x** *CS-0593* Anchor slide
- **6x** *CS-0562* Anchor support
- **6x** *CS-0590* Ratchet plate
- **12x** *CS-9058* Turn buckle
- **24x** *CS-9059* Carabiner
- **12x** *CS-0547* Upper cable
- **12x** *CS-0548* Center cable
- **12x** *CS-0549* Tension cable
- **6x** *CS-0235* Positioning cable
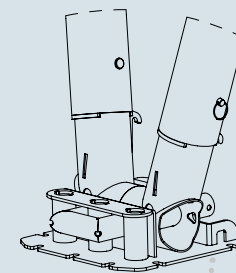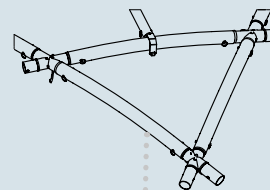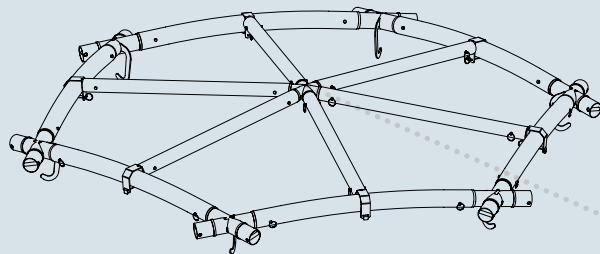- **6x** *CS-0594* Pull bar large
- **1x** *CS-0614* Transport rack & 2x box
- **3x** *CS-9041* Rope 33 m.
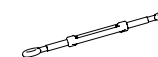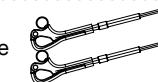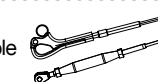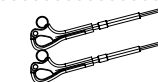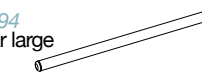
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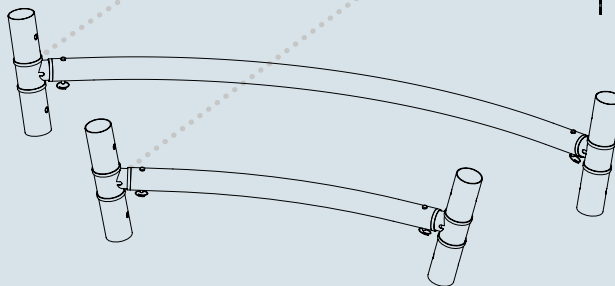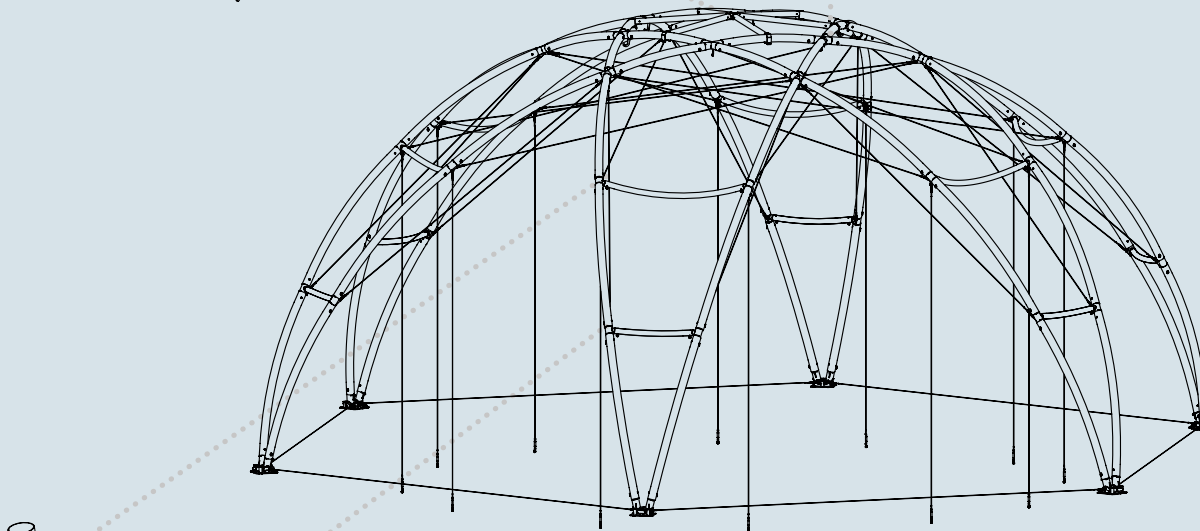
# STEP 1

**Pre-assemble the lower sub profiles (6x)**

**!** Curvature has to point backwards

LL

LR

Lower (short) sub profile
*CS-0538*

T-Connector Lower Left
Has 1 eye for a cable
*CS-0544*

T-Connector Lower Right
Has 1 eye for a cable
*CS-0546*

Securing ring
*CS-0248*
2x

Locking pin
Short version
*CS-0093*
2x
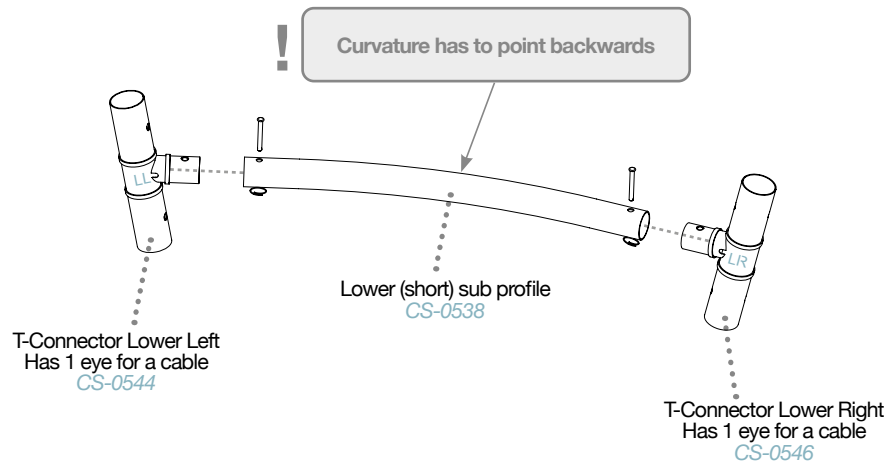
# STEP 2

**Pre-assemble the upper sub profiles (6x)**

**!** Curvature has to point backwards

UL

UR

Upper (long) sub profile
*CS-0537*

T-Connector Upper Left
Has 2 eyes for the cables
*CS-0543*

T-Connector Upper Right
Has 2 eyes for the cables
*CS-0545*

Securing ring
*CS-0248*
2x

Locking pin
Short version
*CS-0093*
2x

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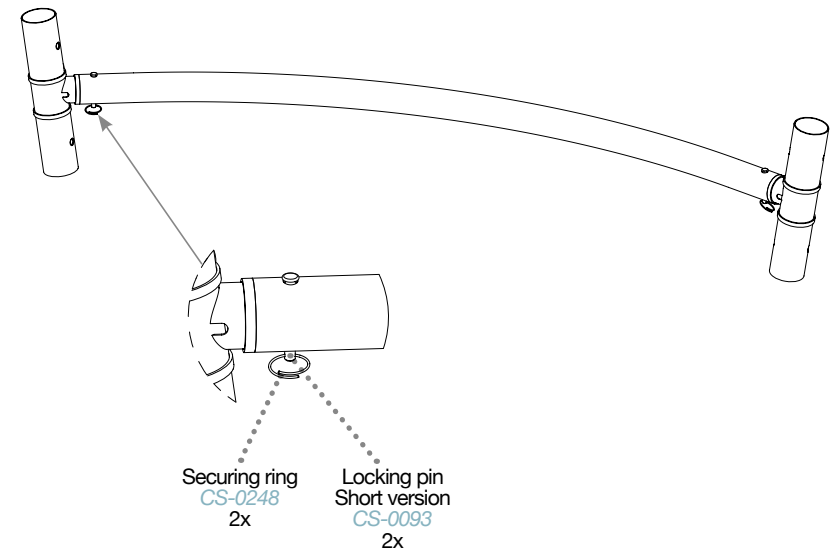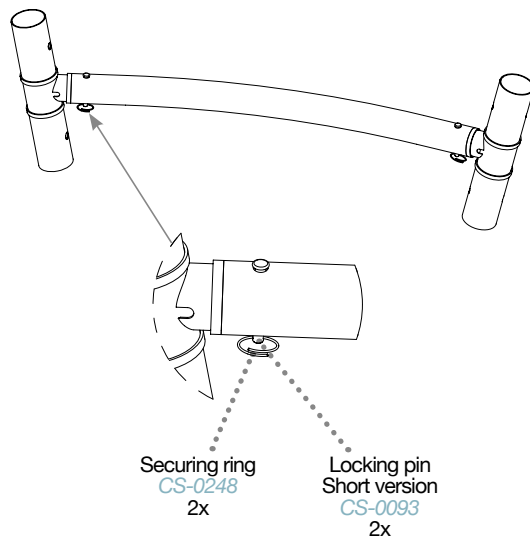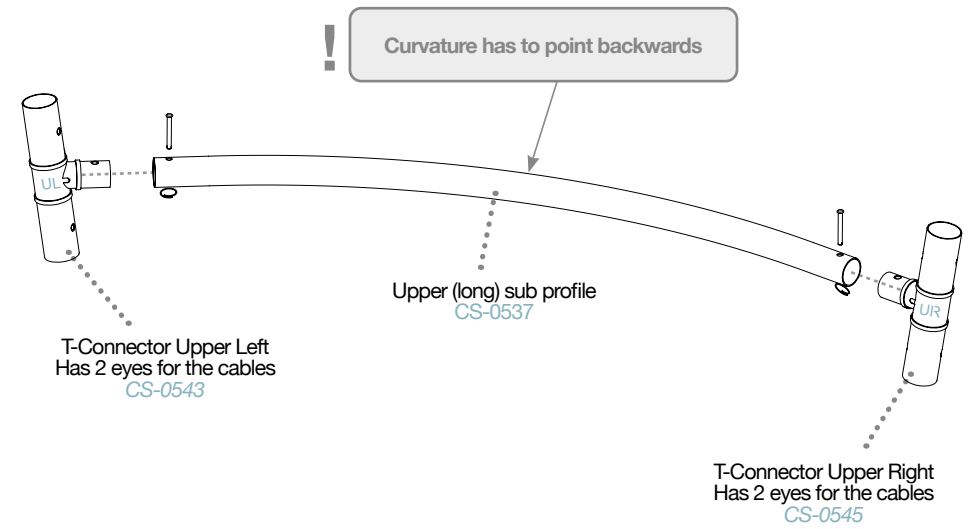
# STEP 3
Pre-assemble the sub frame

Sub frame center
*CS-0551*

Sub frame beam
*CS-0539*
6x

Sub frame connector
*CS-0558*
6x
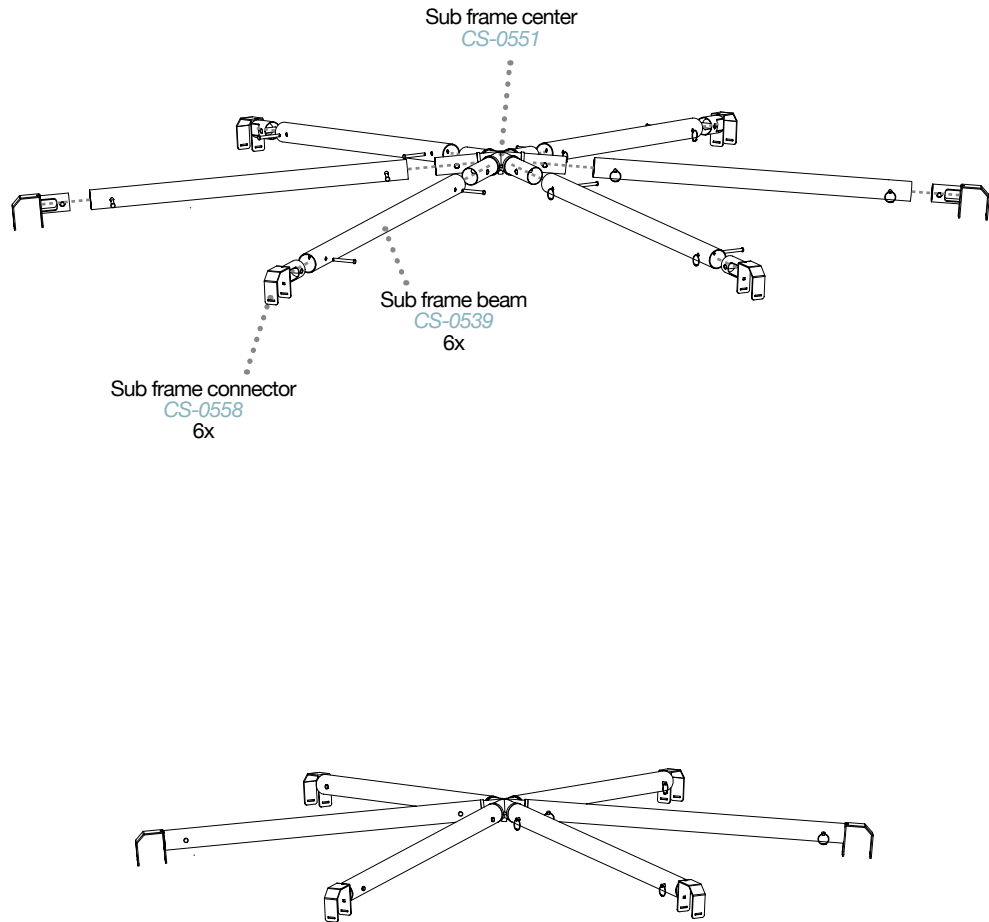
# STEP 4
Assemble the frame body

! Curvature has to point upwards

Upper main profile
*CS-0540*
4x

Upper X-connector
*CS-0541*
3x

! Hooks have to point inwards

Upper X-connector
*CS-0541*
3x

Upper main profile
*CS-0540*
2x

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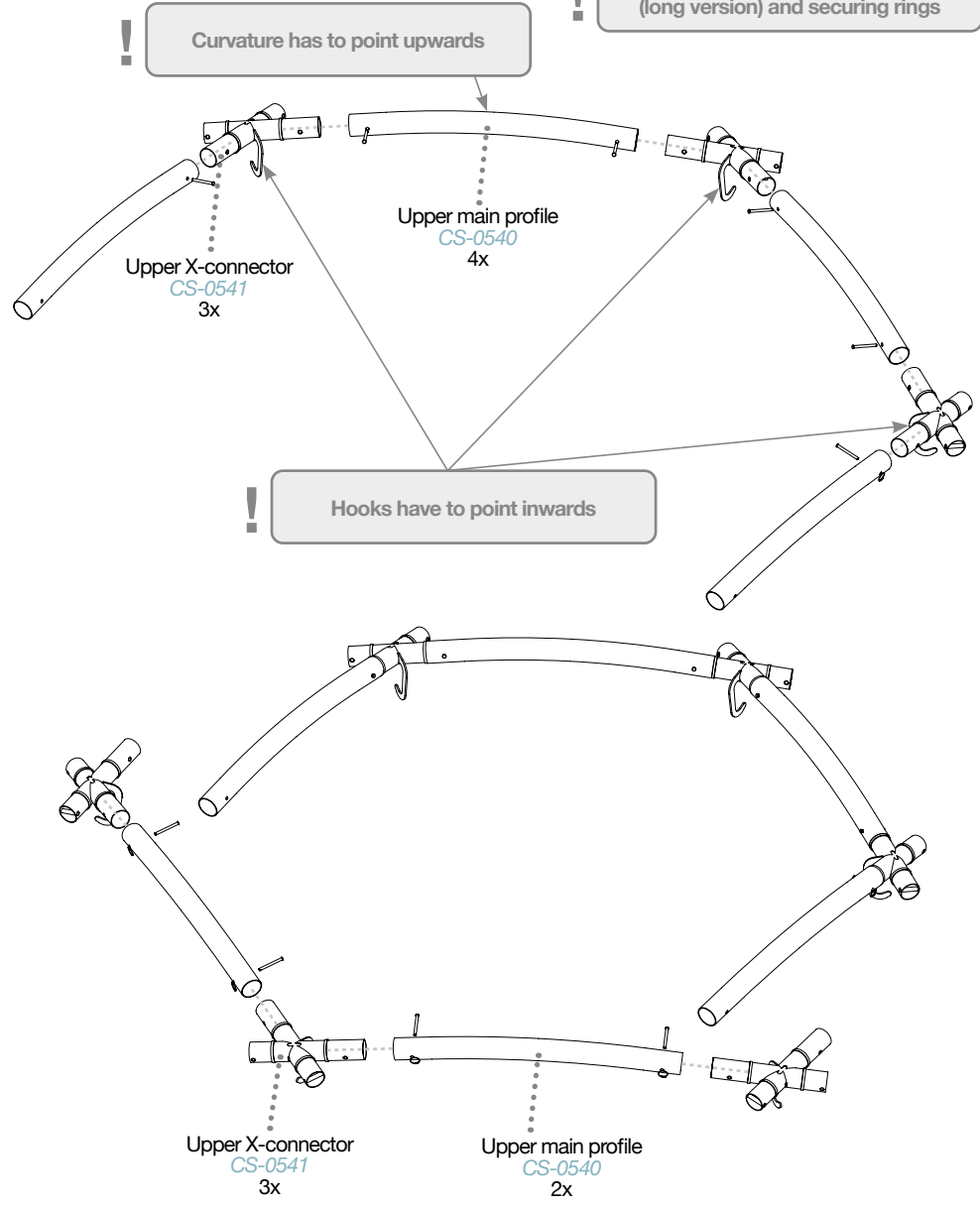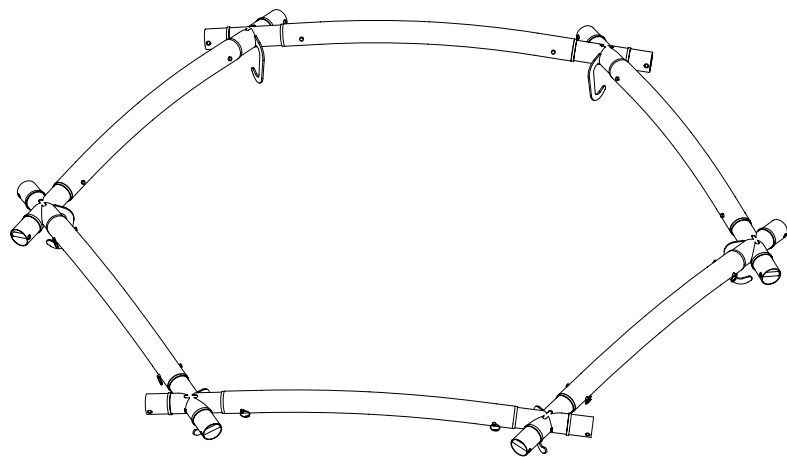
# STEP 5
**Mount the sub frame at the frame body**

Locking strip
*CS-0559*
6x

Securing ring
*CS-0248*
6x

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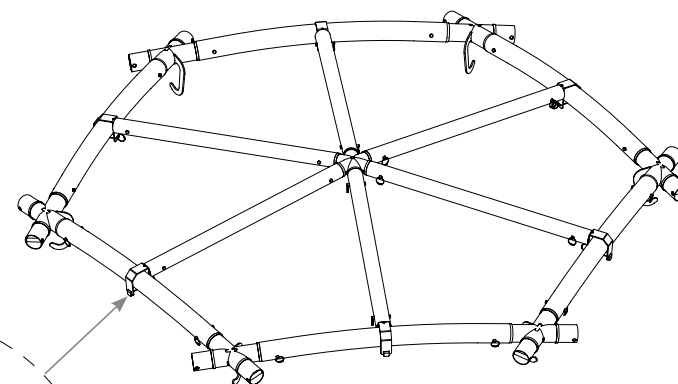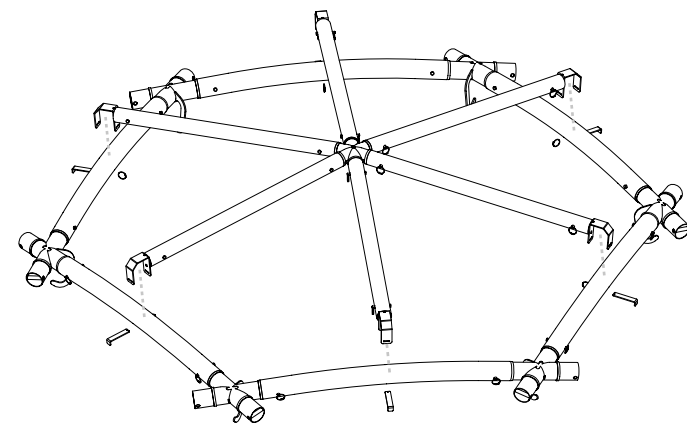
# LIFTING

While building, the structure has to be lifted multiple times so that the assembly can easily be done on floor level. The structure is designed for two lifting methods:

1.     Lifting from below (for example with a traverse lift) by using the subframe. Requirements lifting device:
   • minimum lifting height: 7,5 meter
   • minimum save working load: 1200kg (without suspended loads)



2.     Lifted from the top (for example with a crane ) by using lifting slings (2 meter, 1000 KG) and the hook of the X-connectors

**!** **Note: this lifting methode requires more height for building**



# STEP 6
**Assemble the remaining upper main profiles and Lower X-connectors**



Upper main profile
*CS-0540*

**!** **Do not secure yet**

**!** **Rotate profile clockwise to create space for assembly**



Upper main profile
*CS-0540*

Lower X-connector
*CS-0542*

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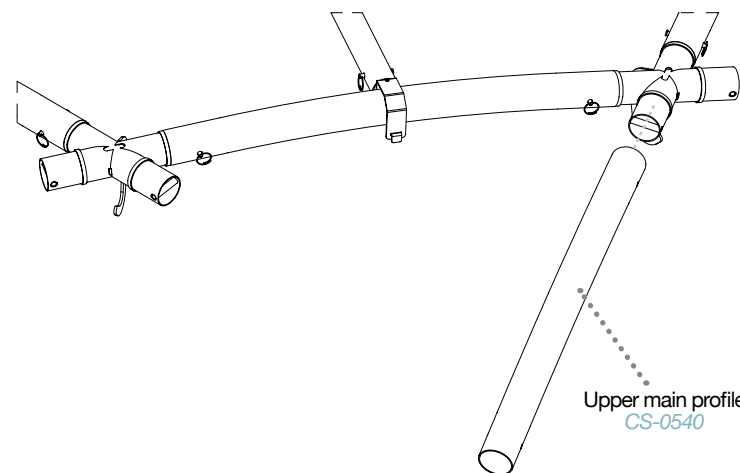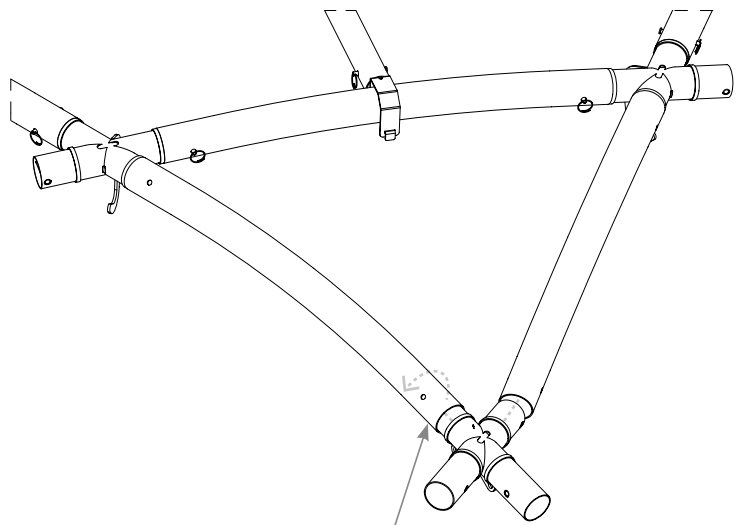
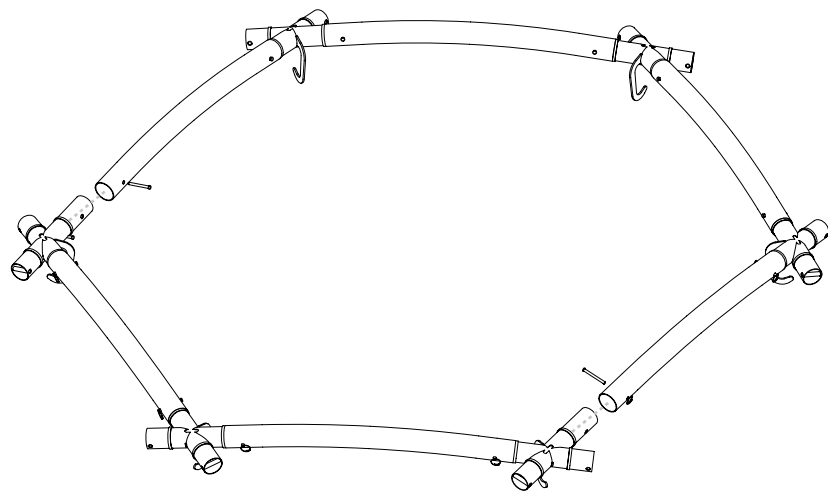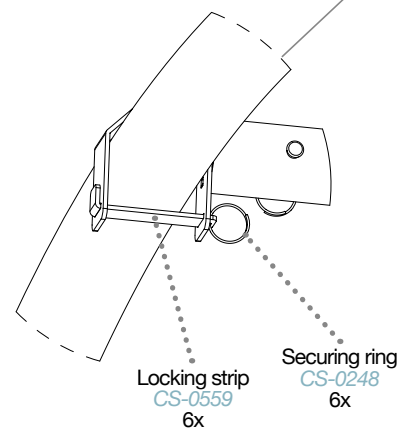**!** Rotate profile counter clockwise and push the X-connector slowly in the profiles

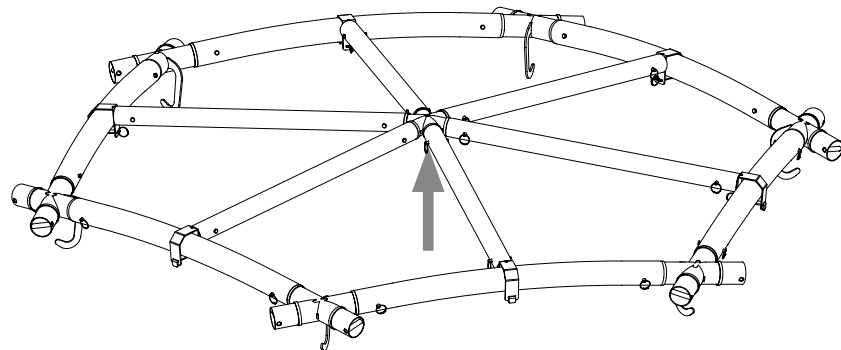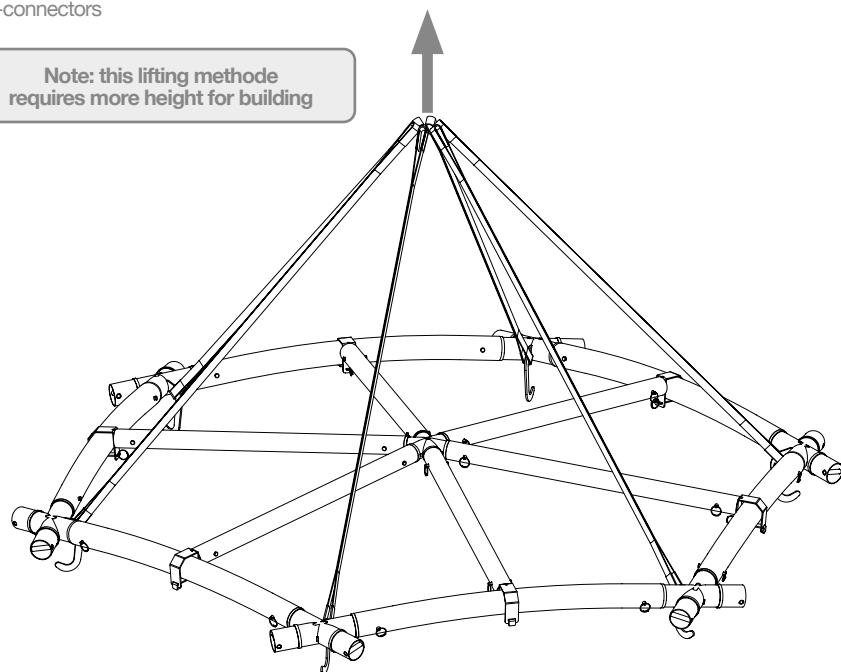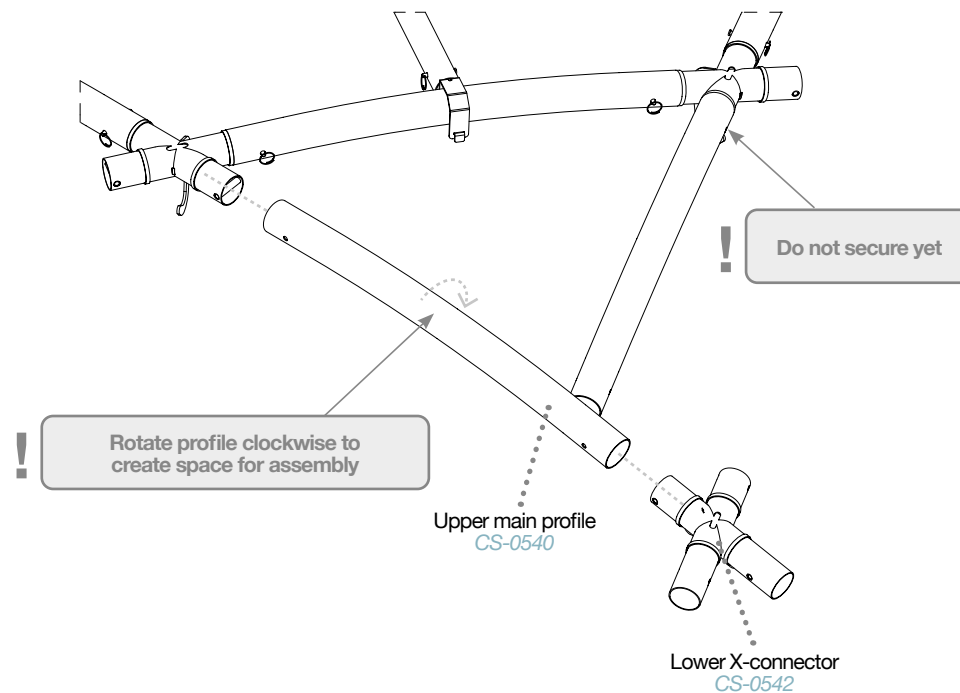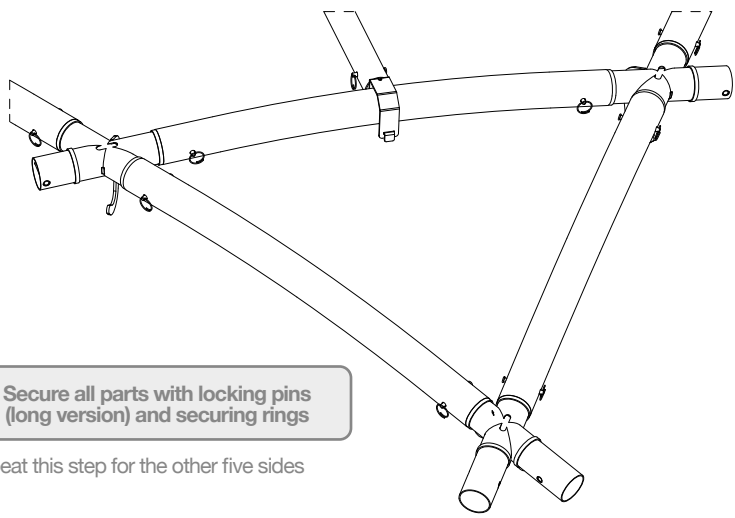**!** Secure all parts with locking pins (long version) and securing rings

Repeat this step for the other five sides

# STEP 7
**Mount the first end of the upper cables**



**!** Use the two inner eyes of the X-connector

Upper cable
*CS-0547*
12x

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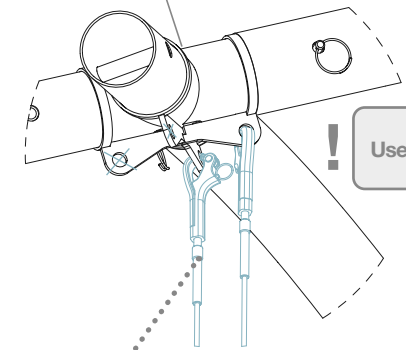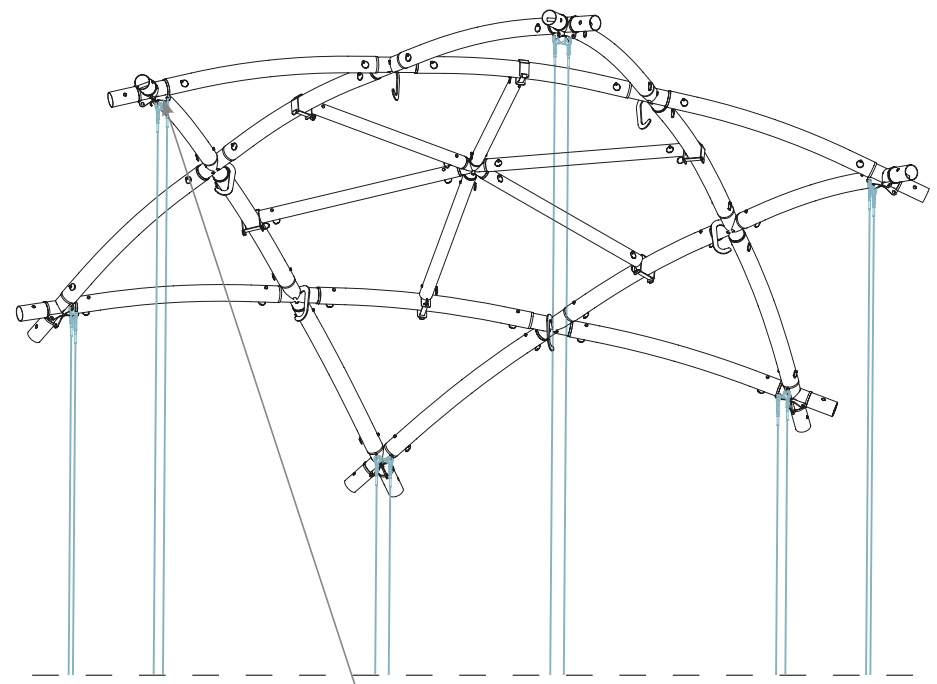www.creative-products.nl

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# STEP 8

Mount the first end of the 12 center cables



Center cable
*CS-0548*
12x
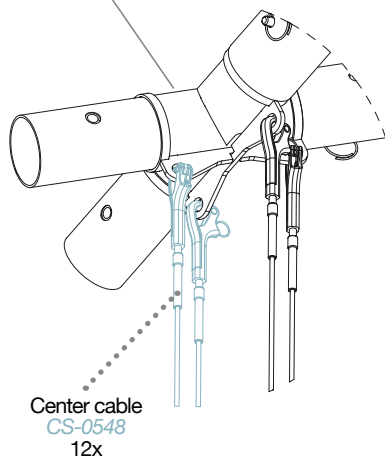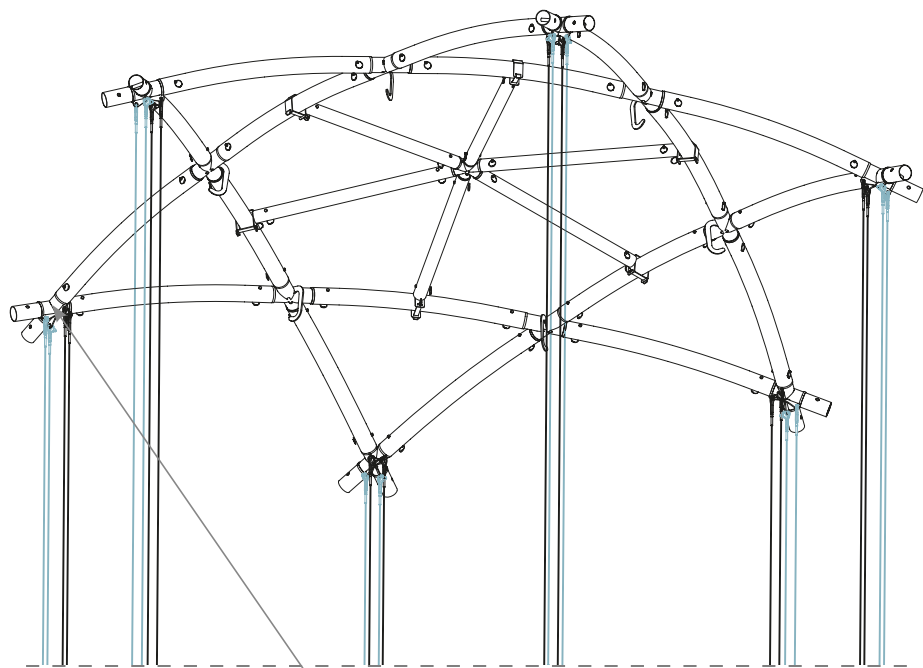
# STEP 9

Mount the first end of the center cables

**!** Secure all parts with locking pins (long version) and securing rings



Lower main profile
*CS-0536*
12x

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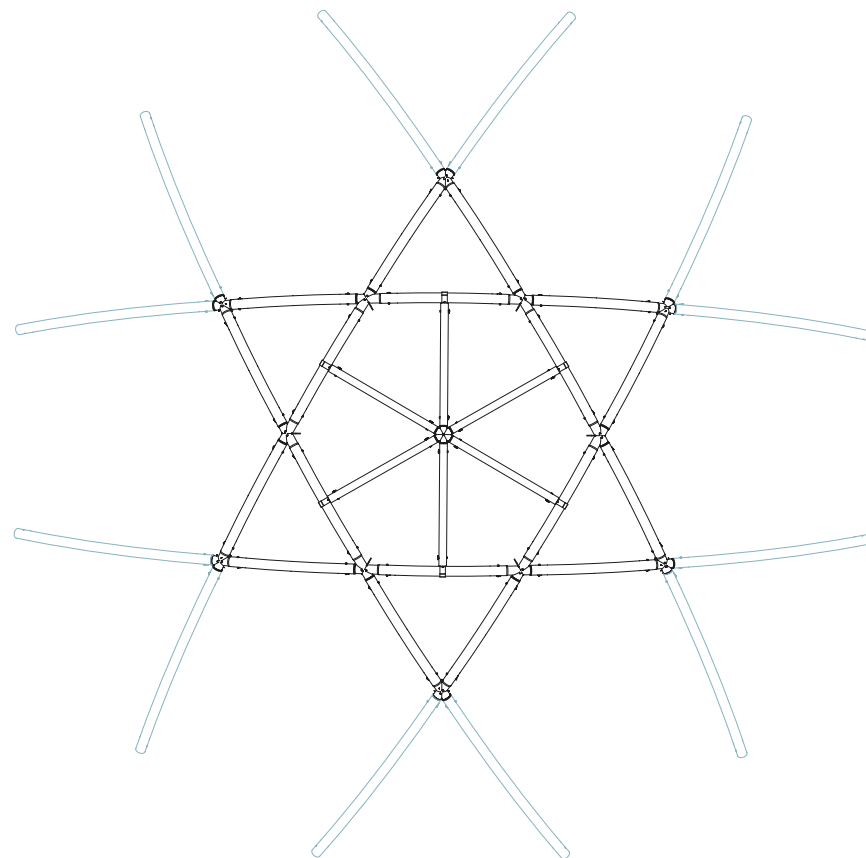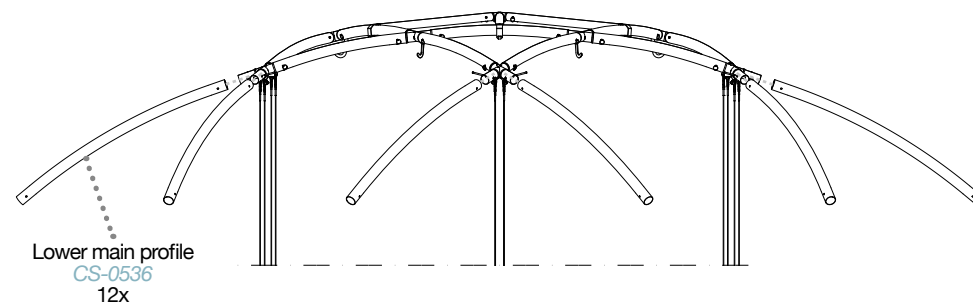
## STEP 10
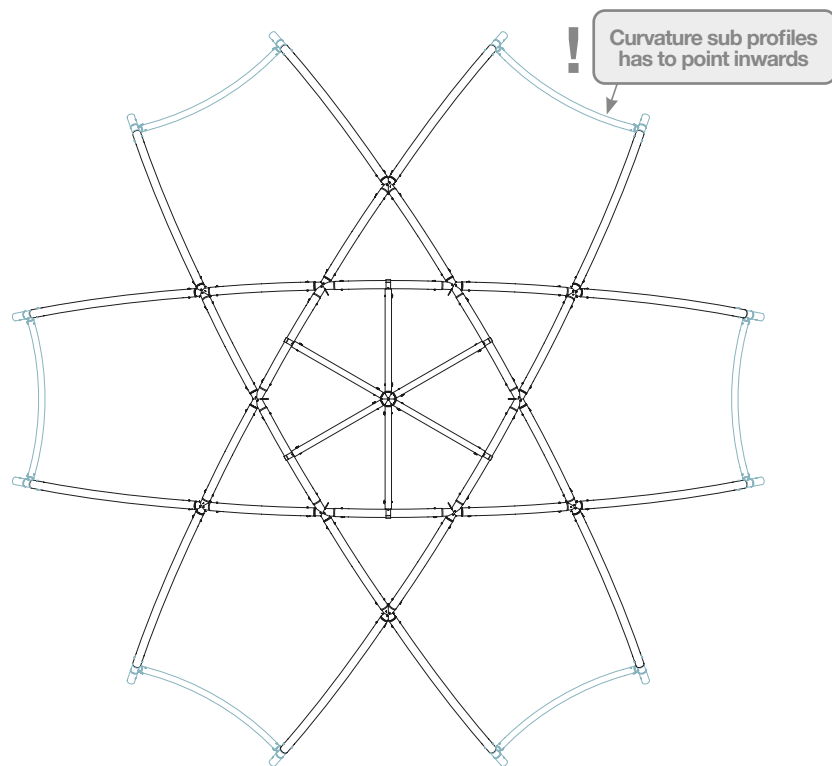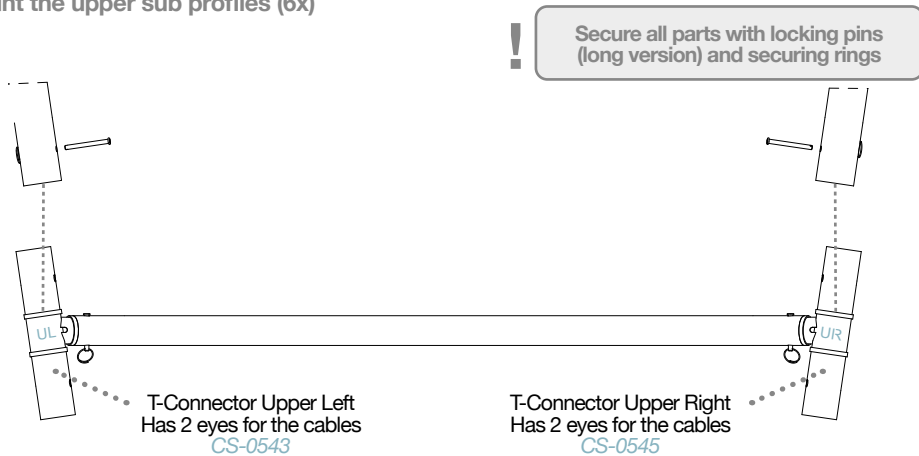Mount the upper sub profiles (6x)

! Secure all parts with locking pins (long version) and securing rings

UL
UR

T-Connector Upper Left
Has 2 eyes for the cables
*CS-0543*

T-Connector Upper Right
Has 2 eyes for the cables
*CS-0545*

! Curvature sub profiles has to point inwards

## STEP 11
Mount the second end of the 12 upper cables

! When crossing other cables, place the cable above the first crossing cable and below the next crossing cable(s)

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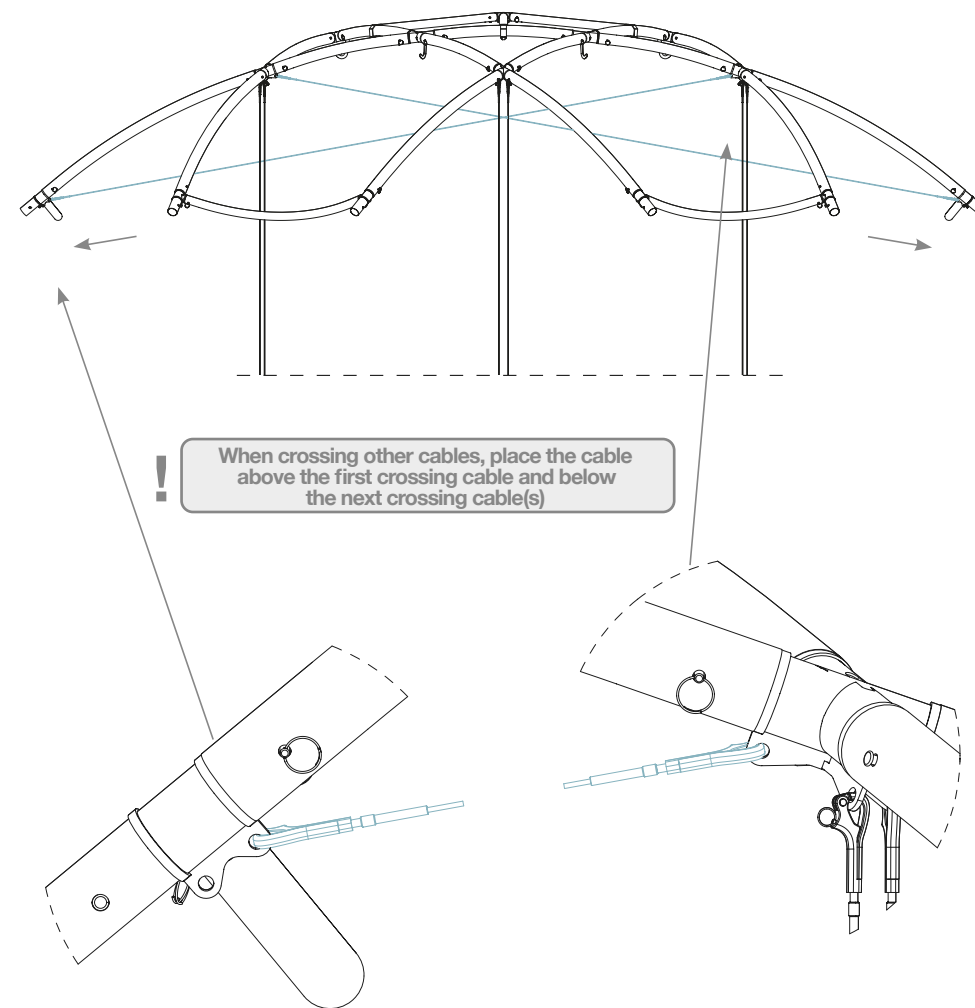
# STEP 12
Mount the first end of the 12 tensioning cables
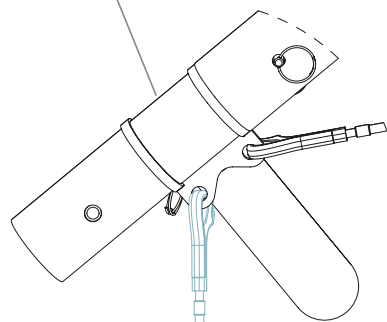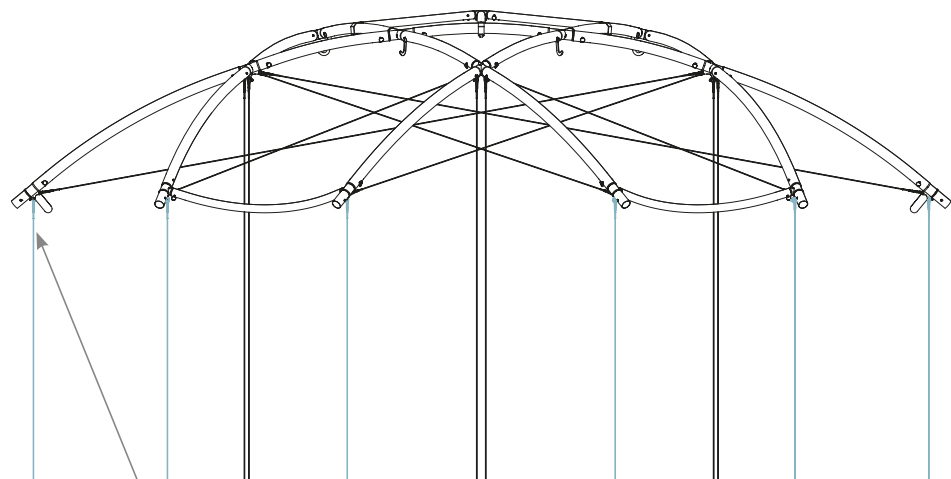


Tensioning cable
*CS-0549*
12x

# STEP 13
Mount the second level of main profiles

Lower main profile
*CS-0536*
12x

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# STEP 14
Mount the lower sub profiles (6x)

! Secure all parts with locking pins (long version) and securing rings



T-Connector Lower Left
Has 1 eye for a cable
*CS-0544*

LL

LR

T-Connector Lower Right
Has 1 eye for a cable
*CS-0546*

! Curvature sub profiles has to point inwards
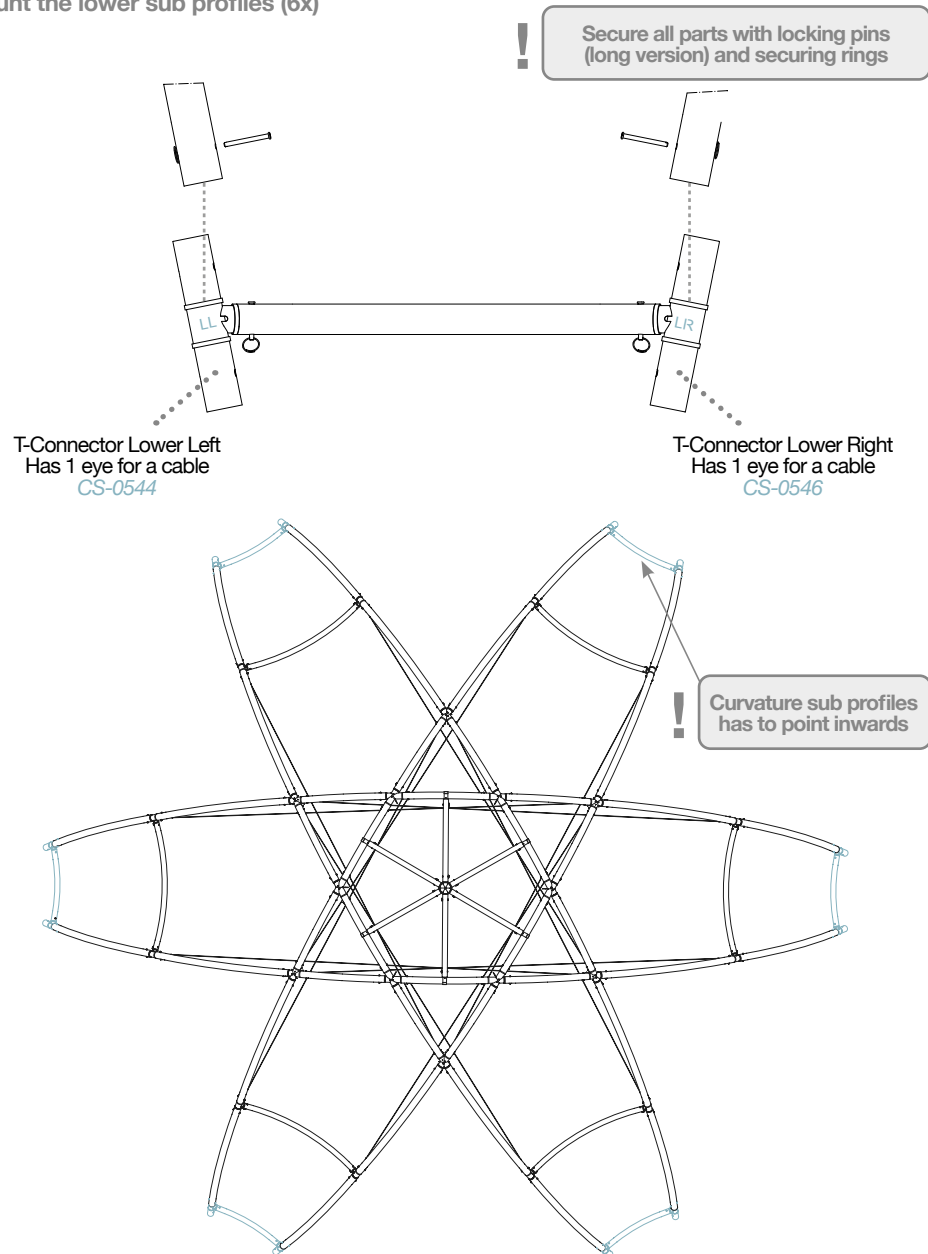
# STEP 15
Mount the second end of the center cables

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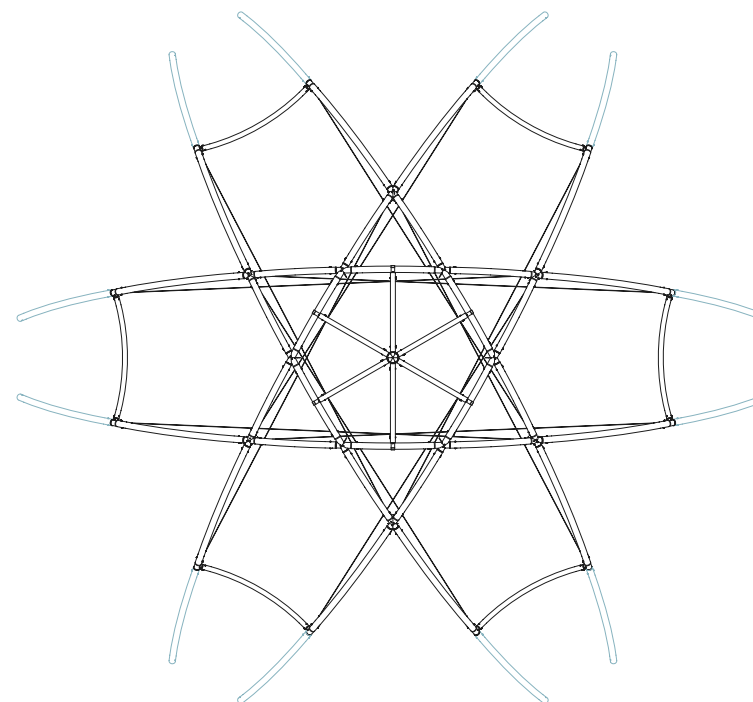
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# STEP 16
**Mount last level of main profiles**

! Secure all parts with locking pins (long version) and securing rings

Lower main profile
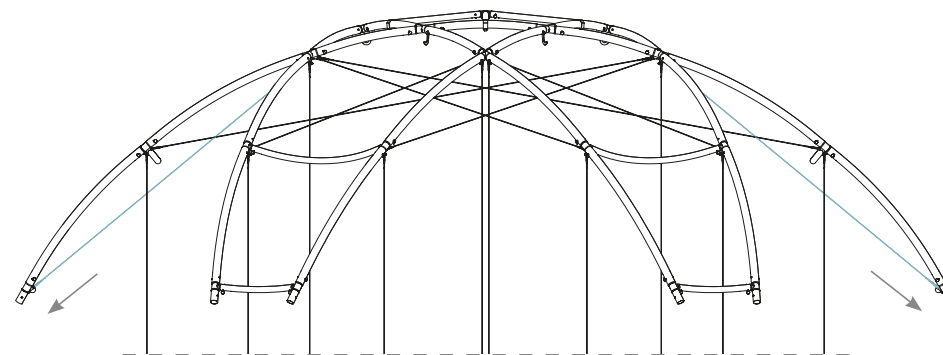*CS-0536*
12x

# STEP 17
**Mount the feet (6x)**

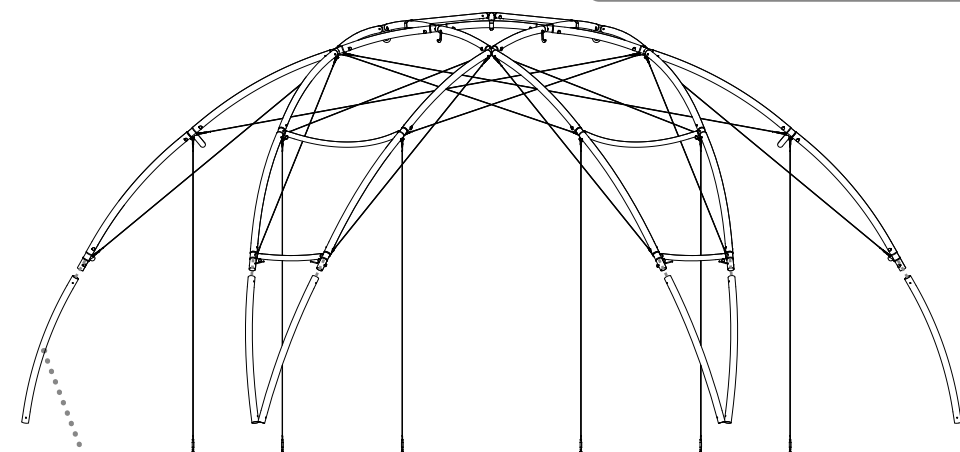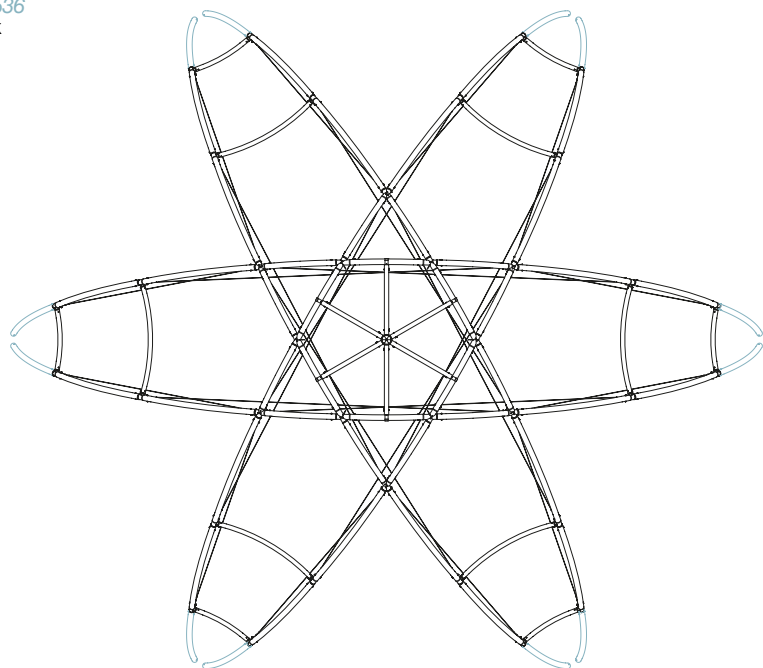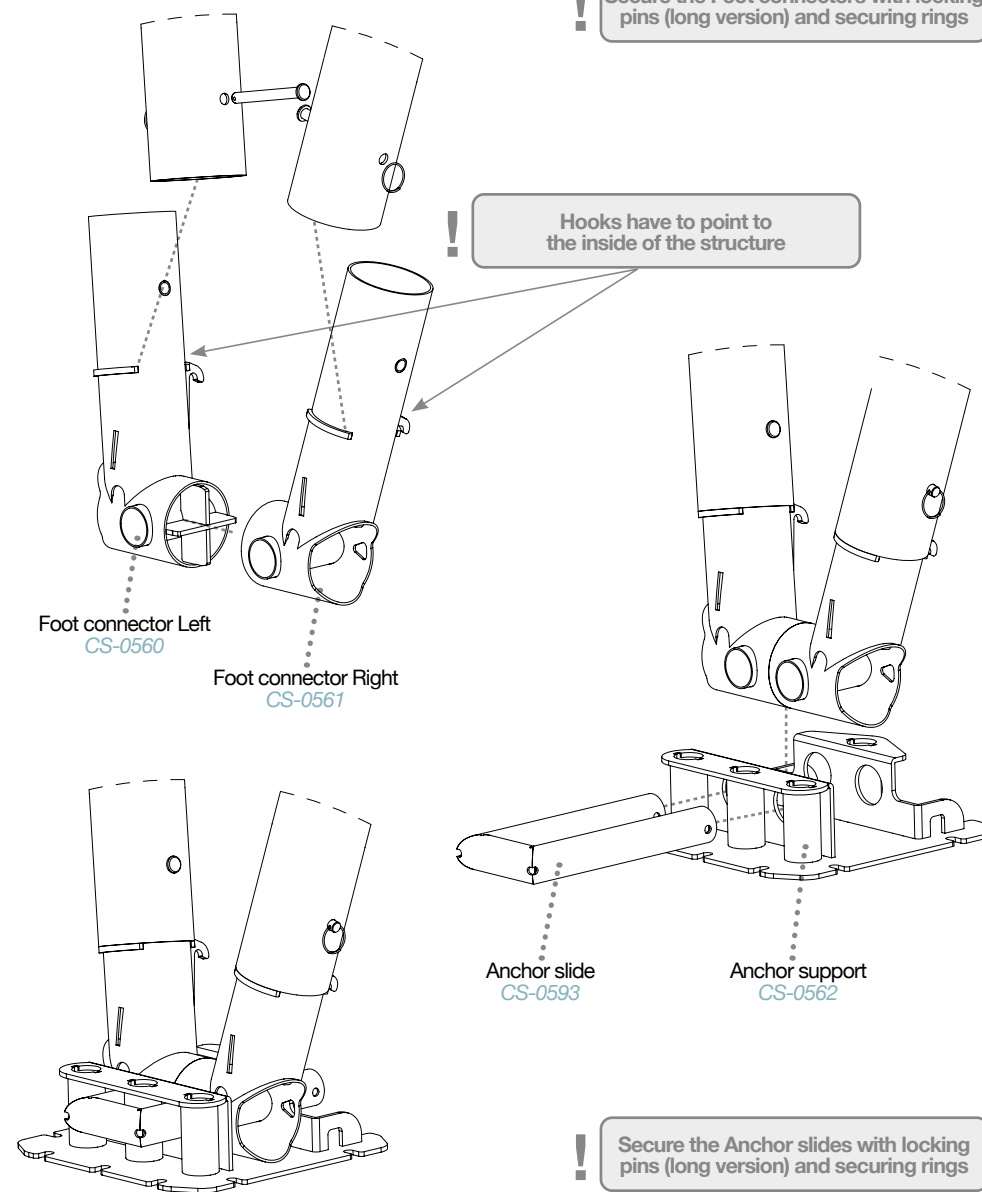! Secure the Foot connectors with locking pins (long version) and securing rings

! Hooks have to point to the inside of the structure

Foot connector Left
*CS-0560*

Foot connector Right
*CS-0561*

Anchor slide
*CS-0593*

Anchor support
*CS-0562*

! Secure the Anchor slides with locking pins (long version) and securing rings

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## STEP 18
**Mount the positioning cables**
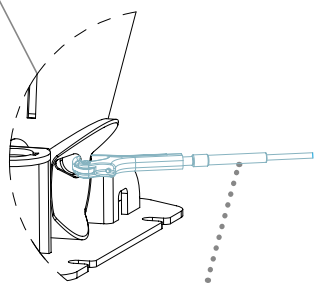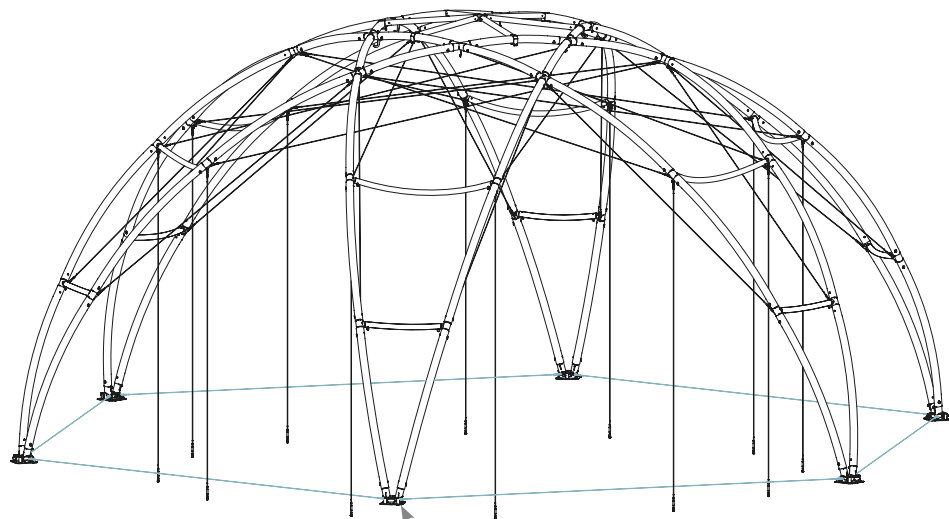


Positioning cable
*CS-0235*
6x

! The positioning cables are used to secure an acurate distance between the feet.
After mounting the positioning cables the structure can be placed on its feet
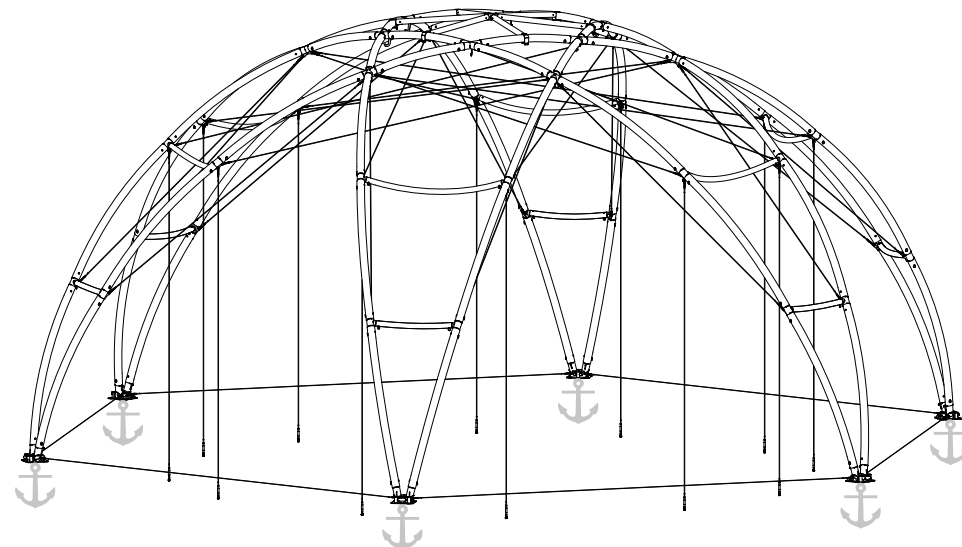Pull the legs of the structure outwards to put the positioning cables under tension

## STEP 19
**Anchor the structure**

! For the different anchoring options
and instructions see the anchoring guide



Remove the positioning cables after anchoring

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## STEP 20
**Mount and tension the 12 tension cables**

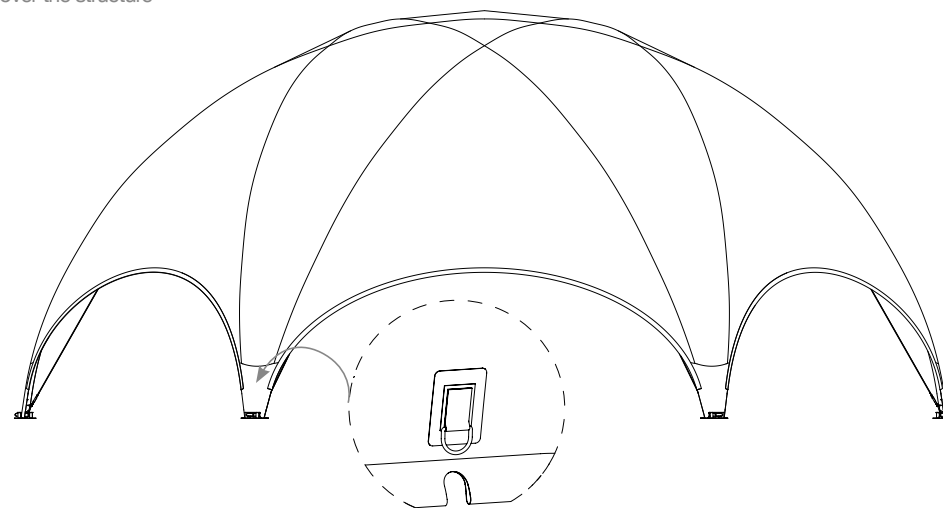By tensioning the tension cables all the cables in the structure get tensioned and the structure gets its rigidity
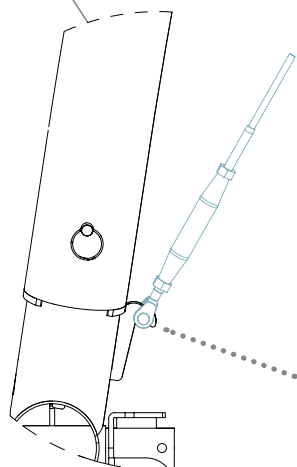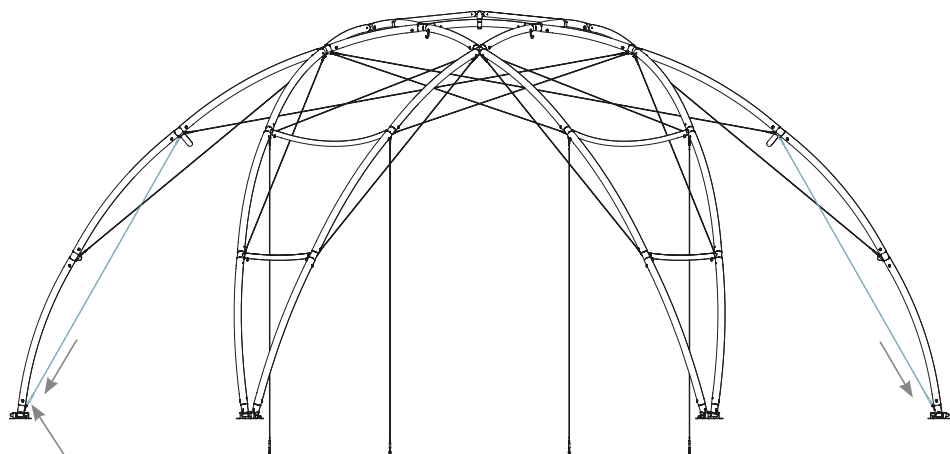
! **Use the inner hooks**
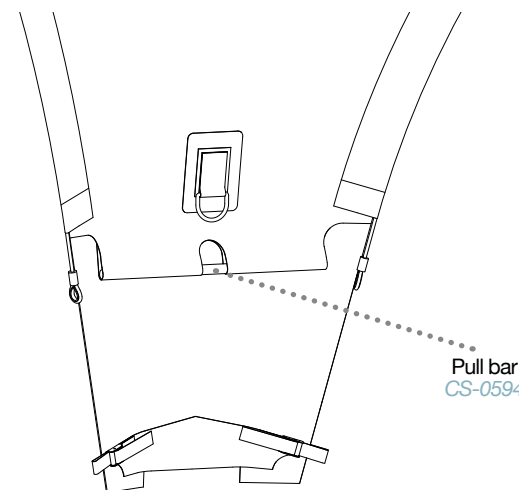
## STEP 21
**Place the cover over the structure**

The included rope can be used to pull the cover over the structure

! **Do not place the cover in windy conditions or take decent security measures**

## STEP 22
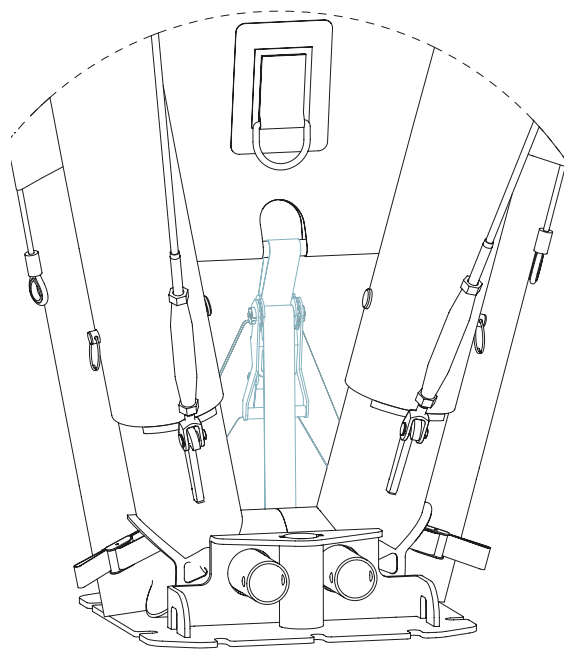**Place the pull bars in the loops of the cover corners**

Pull bar
*CS-0594*

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# STEP 23
**Tension the cover at the corners**

Use the seams of the cover to align the cover with the structure

Ratchet plate
*CS-0590*
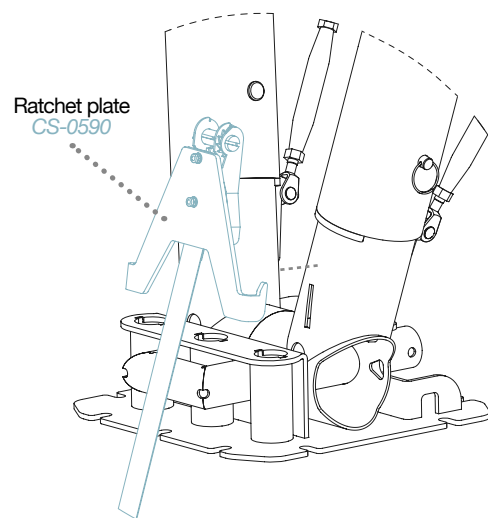
# STEP 24
**Tension the contours of the cover with the turn buckles**

Turn tensioner
*CS-9039*
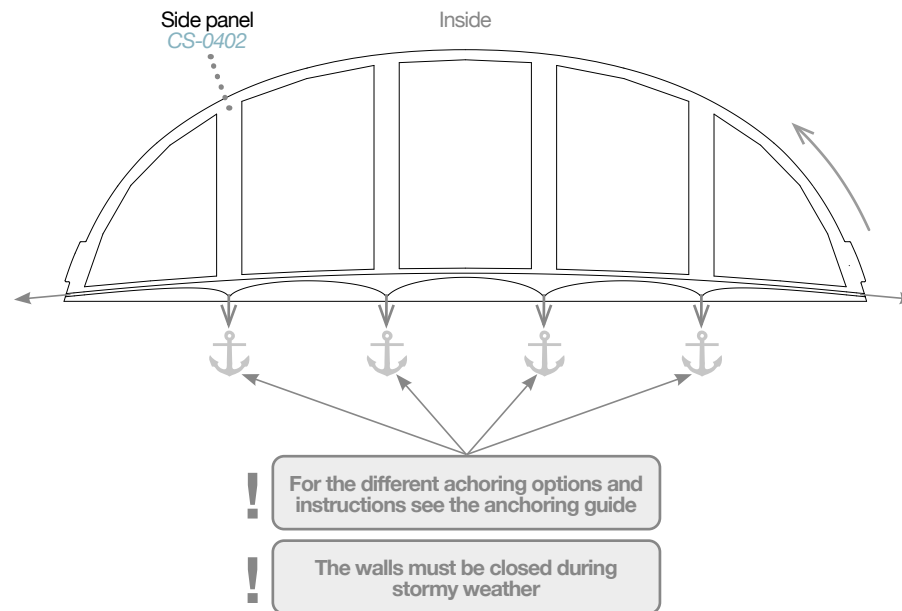12x
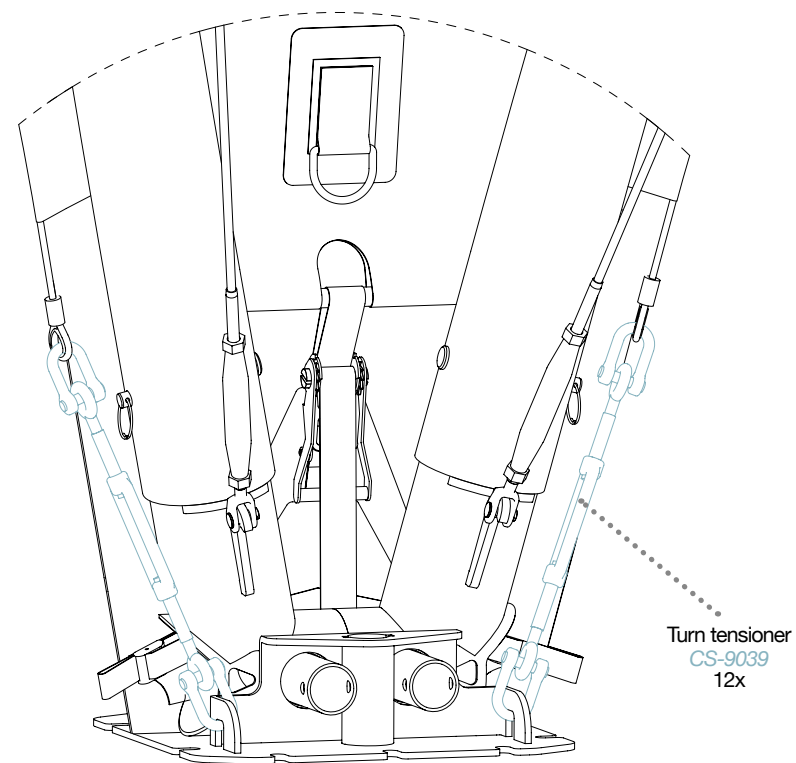
# STEP 25
**If necessary use the lashings to shape the corners**
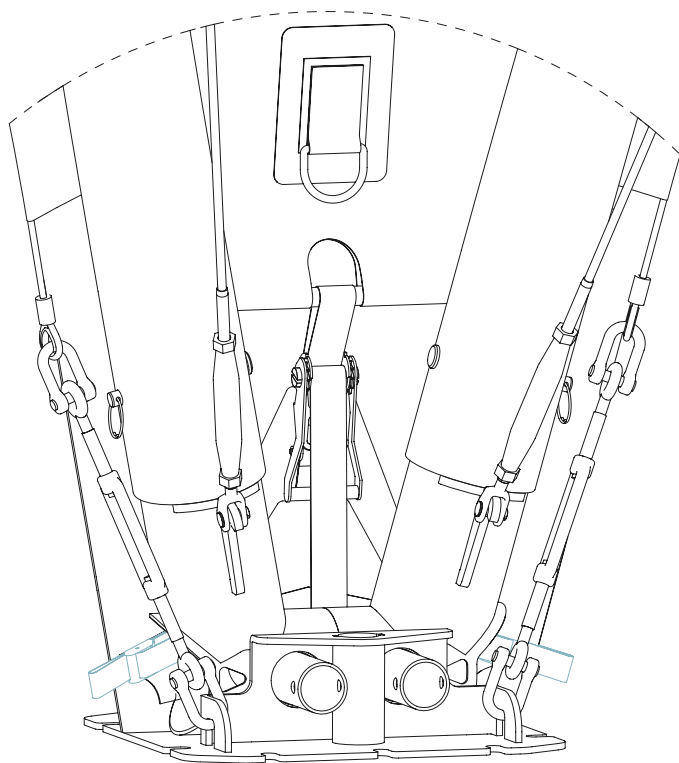


# STEP 26
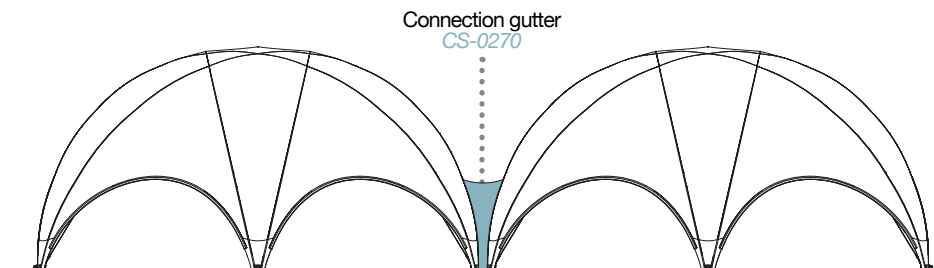**Mount the side panels (if desired)**

1.      Hang the side panel under the cover openings using the 5 hooks on the upper contour
2.      Close the zipper from right to left, seen from the inside of the structure. The 5 hooks now can be demounted
3.      Tension the side panel with the lashings at the bottom. Tension the outer lashings to the structure feet and the inner lashings to the ground

Side panel
*CS-0402*

Inside



**!** For the different achoring options and instructions see the anchoring guide

**!** The walls must be closed during stormy weather

# STEP 27
**Mount the connection gutter (if desired)**

Close the zippers from right to left, seen from the inside of the structure

Connection gutter
*CS-0270*



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Installation movie
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