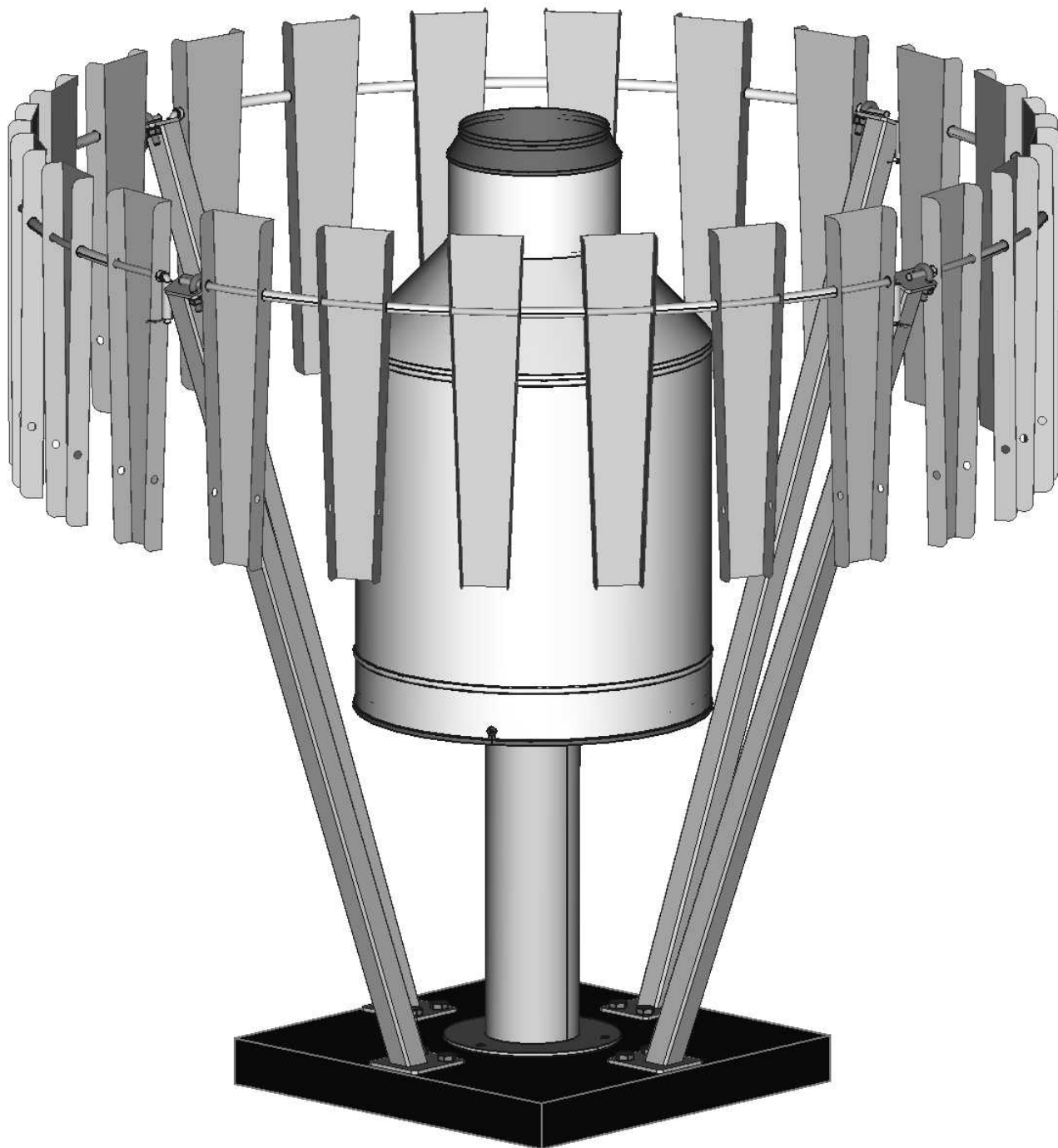


# Instalation guide Alter Wind Shield

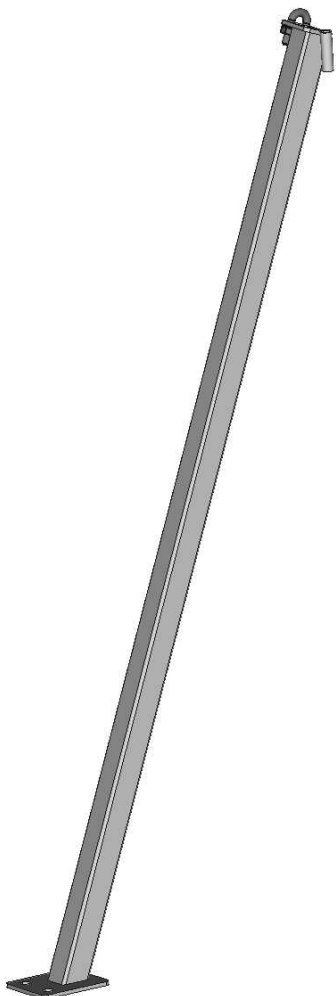


v.2.0  
02.2025

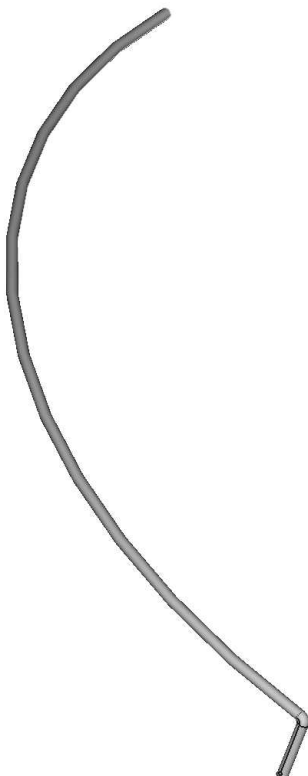
Follow these step-by-step instructions to assemble the TWS for your precipitation measurement system.

**Parts list:**

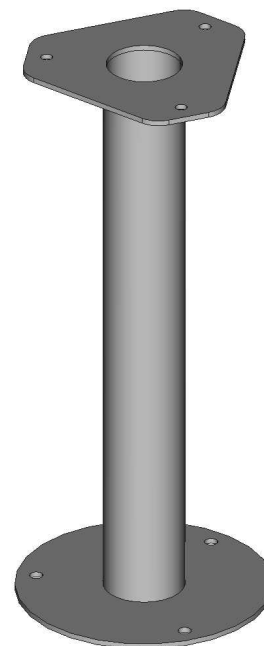
**1. AWS Leg 4 pcs**



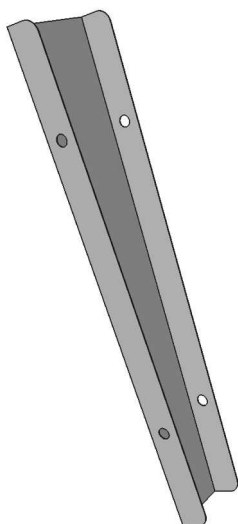
**2. AWS Ring segment 4 pcs**



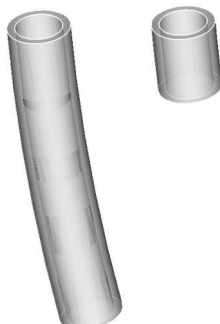
**3. TRWS stand 1 pc**  
(not part of the AWS delivery)



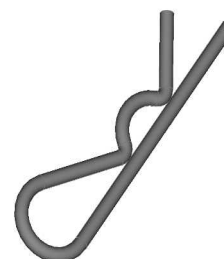
**4. AWS Leaf 24 pcs**



**5. AWS Spacers**  
– Long **20 pcs**  
– Short **8 pcs**



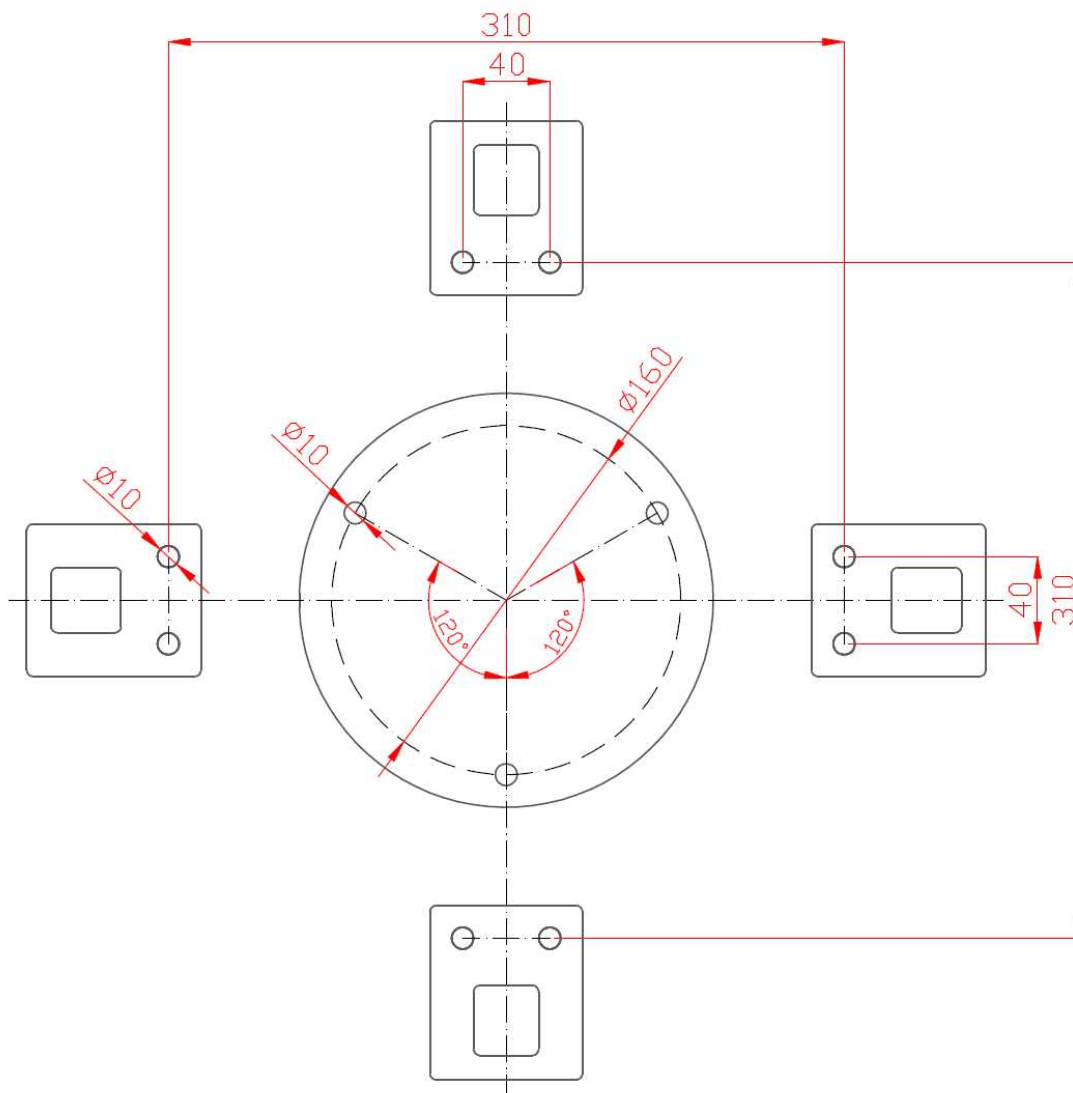
**6. AWS R-clip 4 pcs**



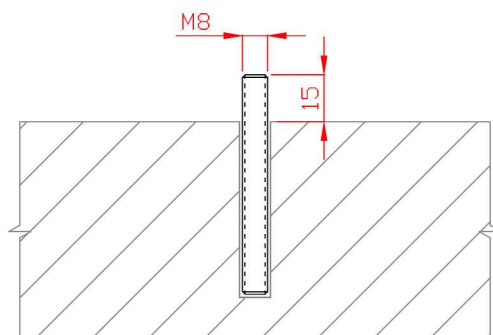
## Assembly procedure:

### 1. Prepare base

- Prepare a stable **concrete base** with a precise horizontal surface, at least **450x450 mm**.
- Drill holes 10mm according to the diagram:

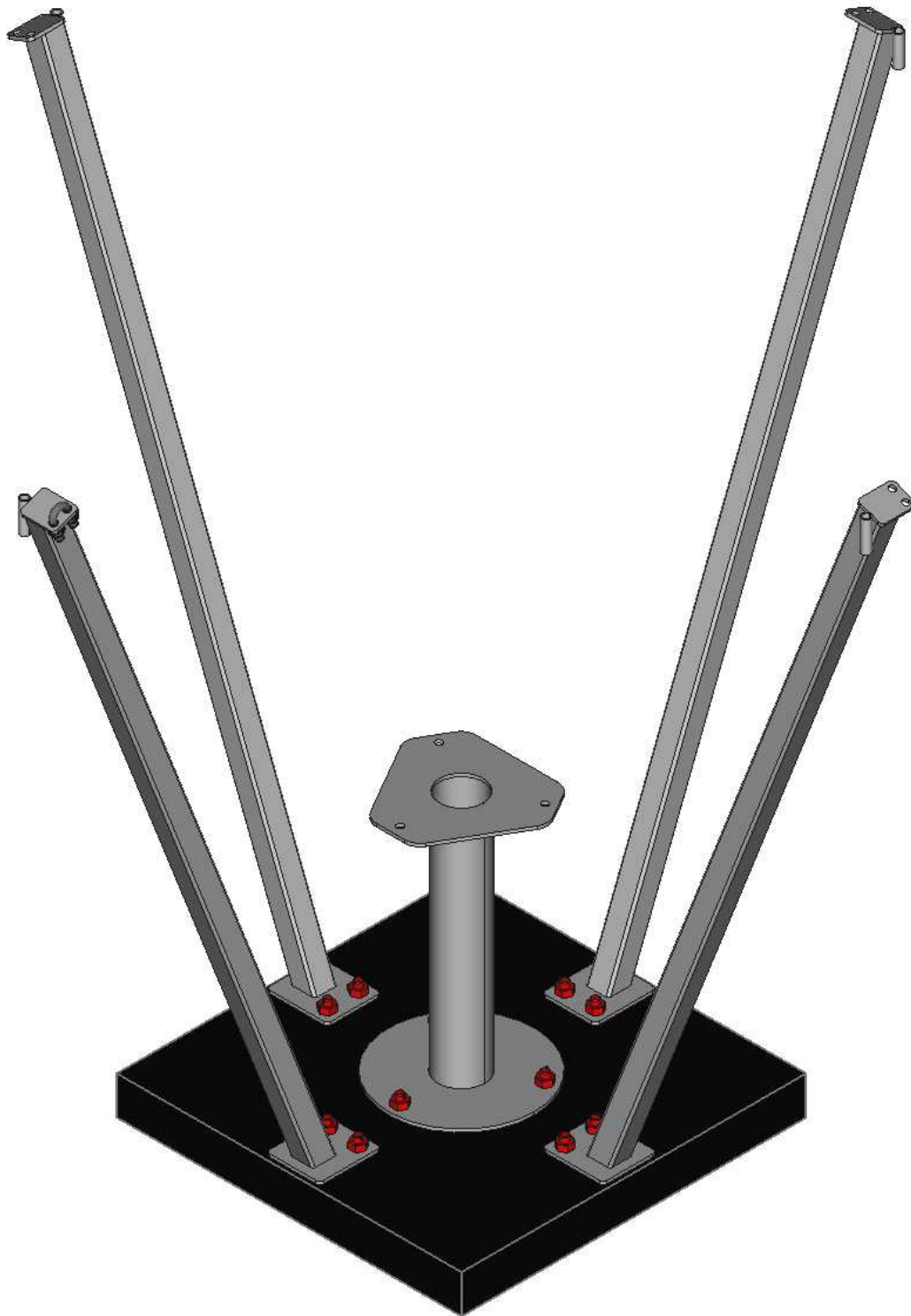


- Secure **11 pcs of M8 threaded rods** using a chemical anchor. Make sure that the threaded rod protrudes at least 15 mm above the concrete level.



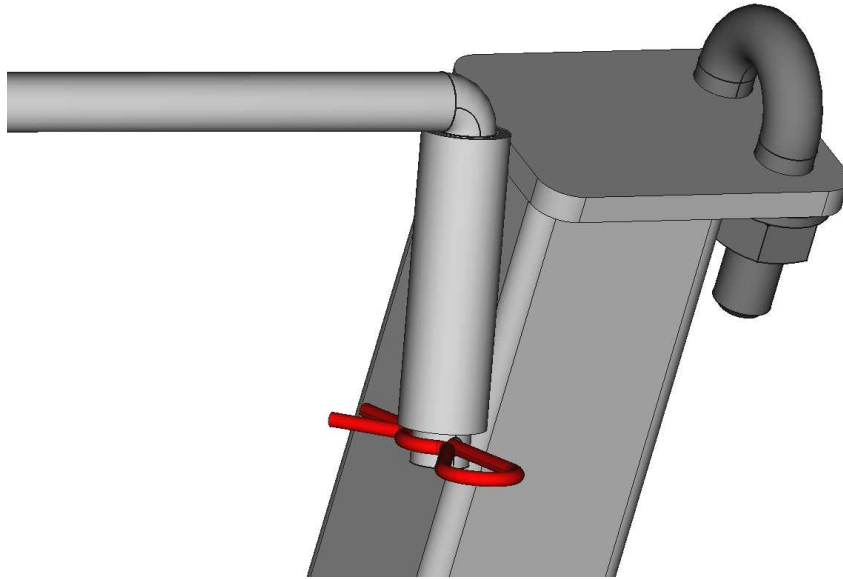
## 2. Assembly of AWS Legs and TRWS Stand

- After the chemical anchor has hardened, install the **AWS legs (1)** and **TRWS stand (3)**.
- Secure with 11 pcs **M8 nuts** and **washers**.
- Tighten with a 13 mm wrench.

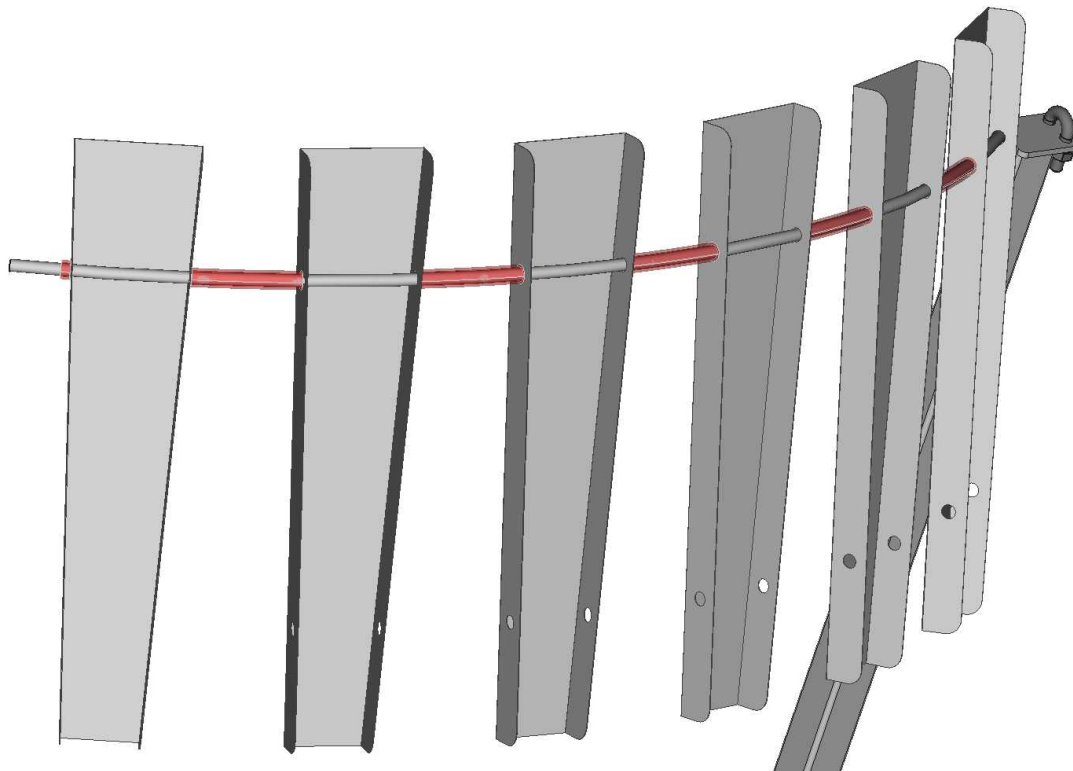


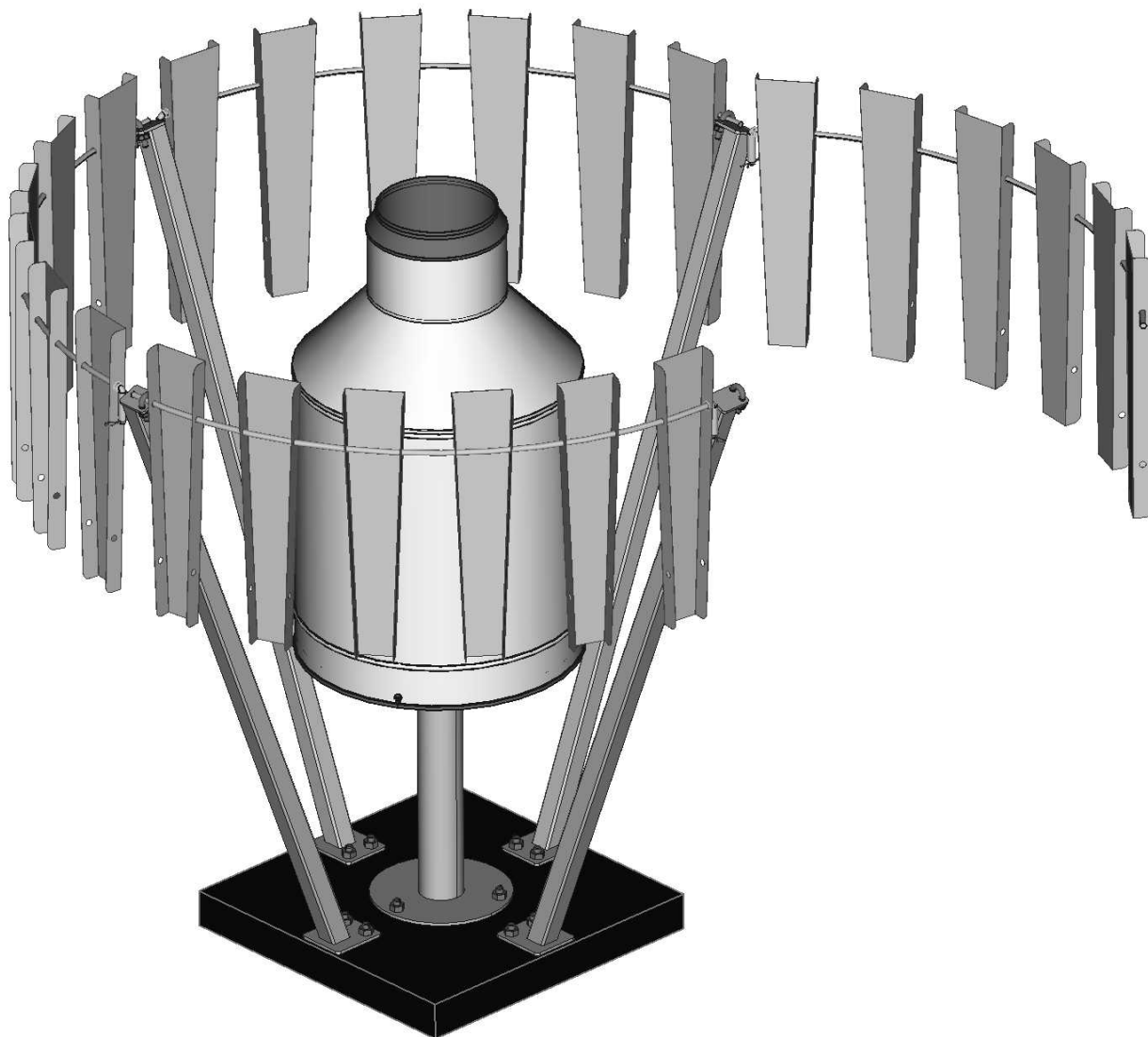
### 3. Assemble the Ring Segments with Leaves and Spacers

- Insert the **AWS ring segments** (2) into the hinges on the **AWS legs** (1).
- Secure with **R-clip** (6).



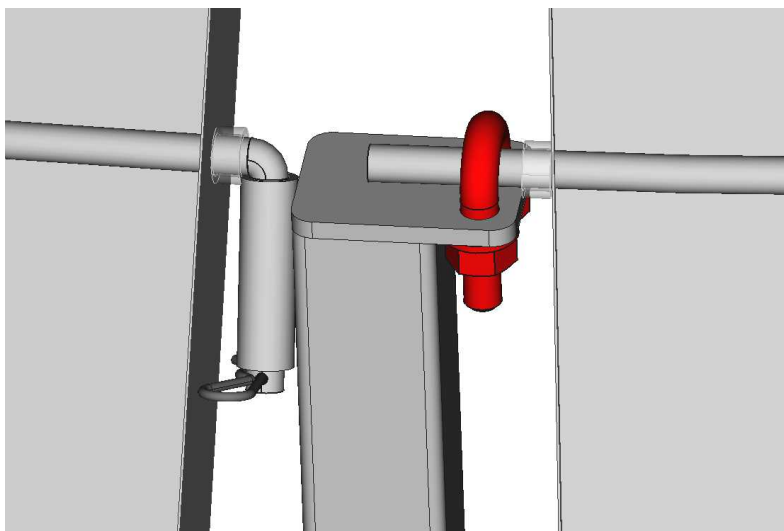
- On each **Ring Segment** (2), alternately attach **Leaves** (4) and **Spacers** (5). Use the holes at the wider ends of the Leaves for attachment. Between **six leaves**, use **5 pcs of long spacers** (5), and on both ends use **2 pcs short spacers** (5) each.
- Ensure the flat sides of the Leaves face inward, towards the rain gauge.





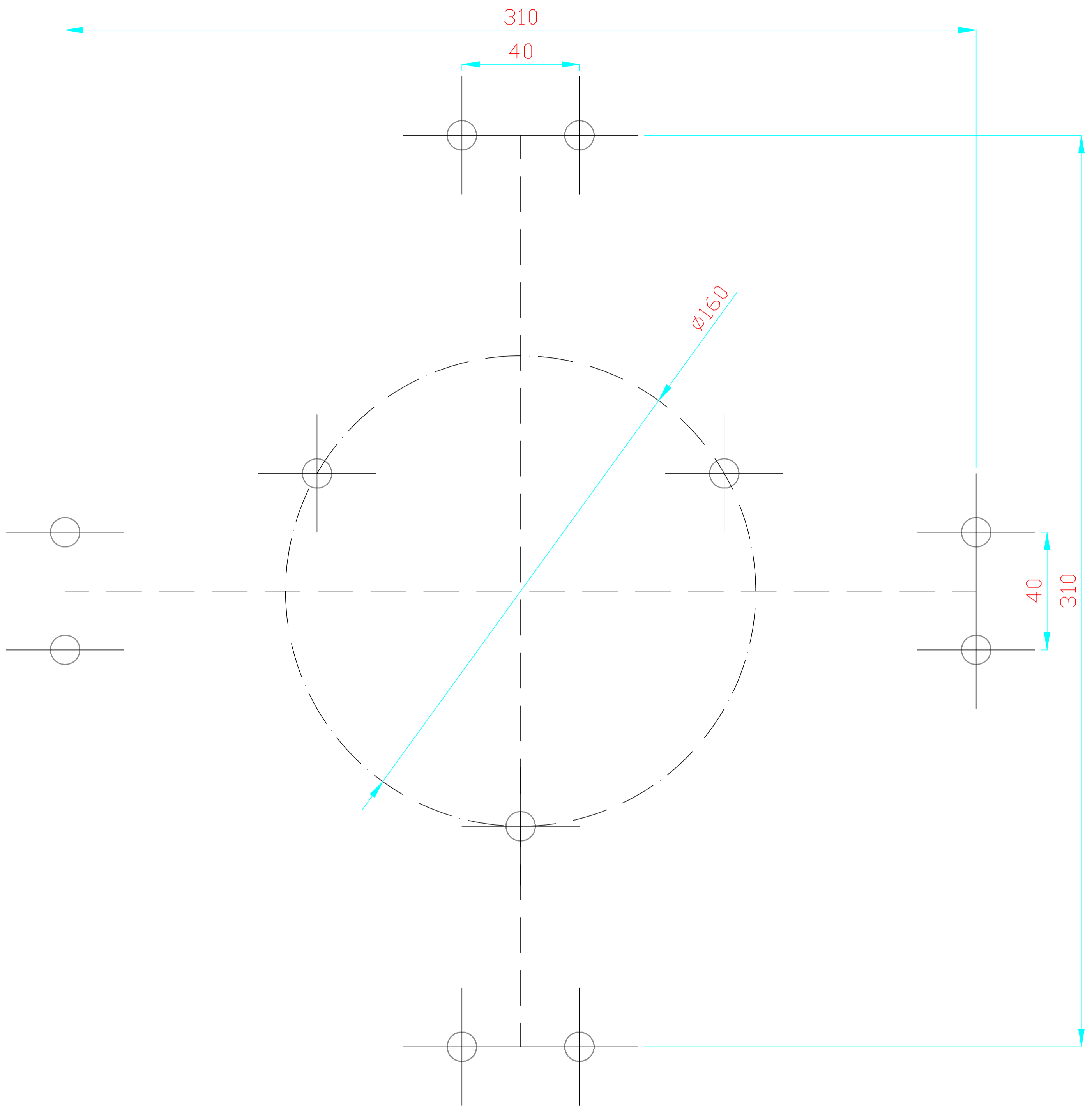
#### 4. Securing ring segments

- By rotating the **Ring segment** at the hinge, insert the open end into the **U-clamp** on the other leg.
- Tighten with a 13 mm wrench.



## **Final Adjustments:**

- Verify that all bolts are tightened and the structure is stable.
- Ensure the Leaves are evenly spaced and properly aligned for optimal wind shielding.
- Make sure the stand is securely fastened and anchored to the ground to prevent the entire assembly from vibrating in the wind.



MPS - System s.r.o.	SIZE: A2
Name: AWS_ALTER_WINDSHIELD	Date: 20.01.2025
Material: -	Drawing: 1/1
Type: AWS_ALTER_DRILLING_DIAGRAM	1:1