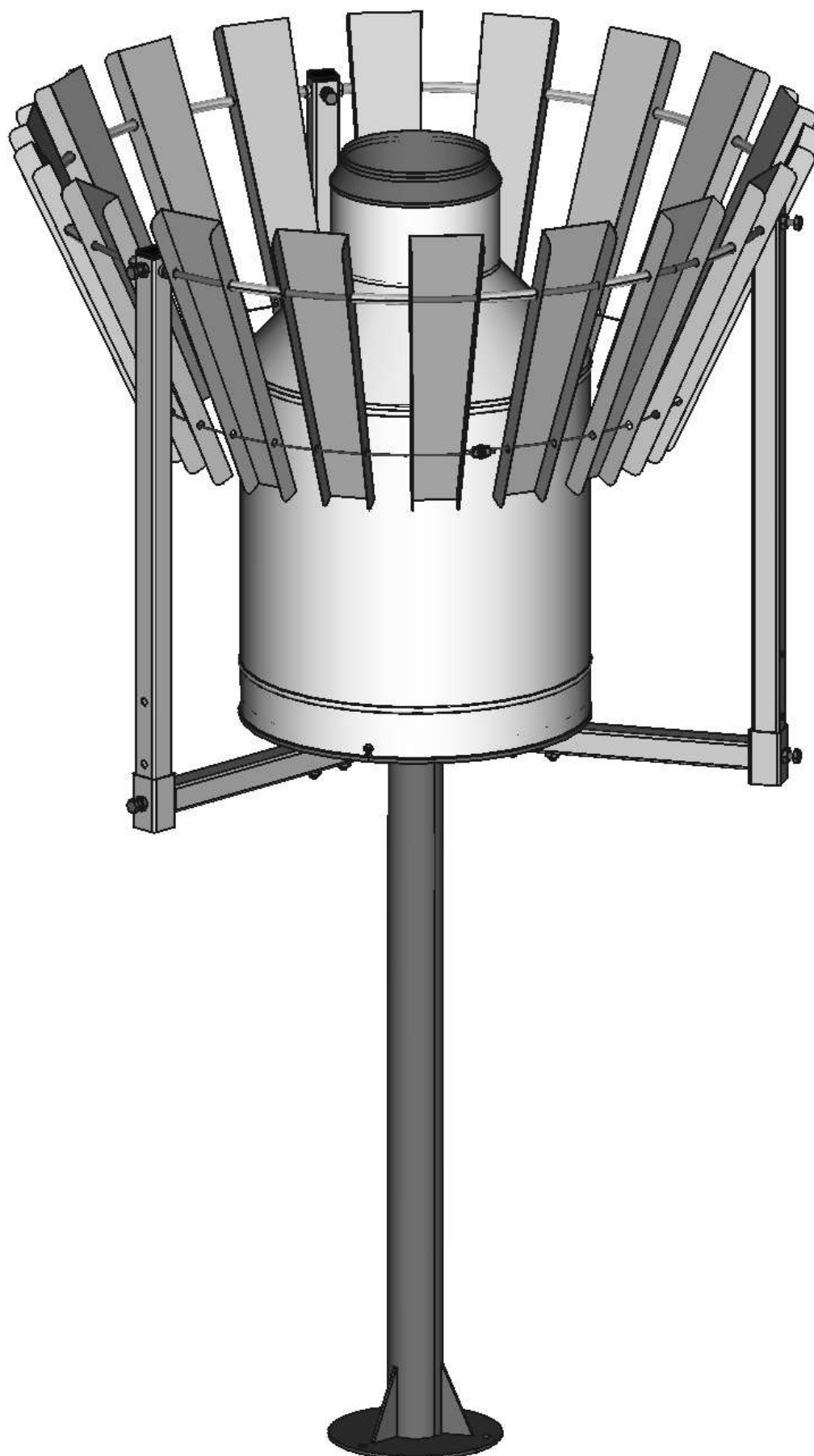


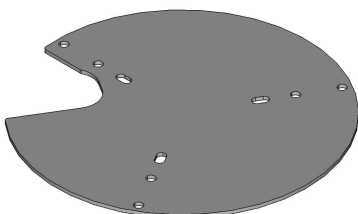
Instalation guide Tretyakov Wind Shield TRWS_10 & TRWS_30



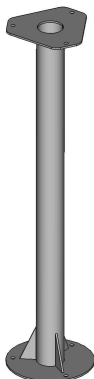
Follow these step-by-step instructions to assemble the TWS for your precipitation measurement system.

Parts list:

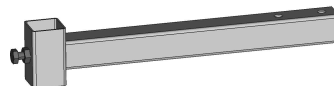
1. Mounting bracket 1 pc



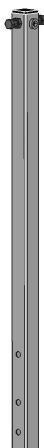
2. TRWS stand 1 pc
(not part of the TWS delivery)



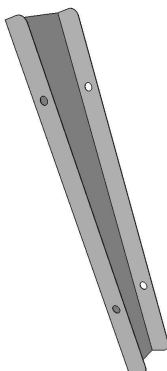
3. Horizontal arm 3 pcs



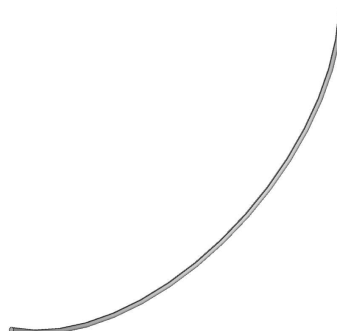
4. Vertical support 3 pcs



5. Leaf 18 pcs



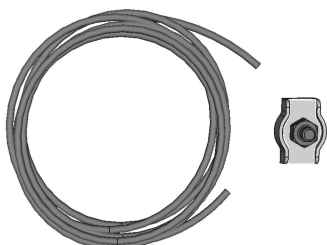
6. Ring segment 3 pcs



7. Spacers
– long 15 pcs
– short 6 pcs



8. Steel cable & clamp 1 pc



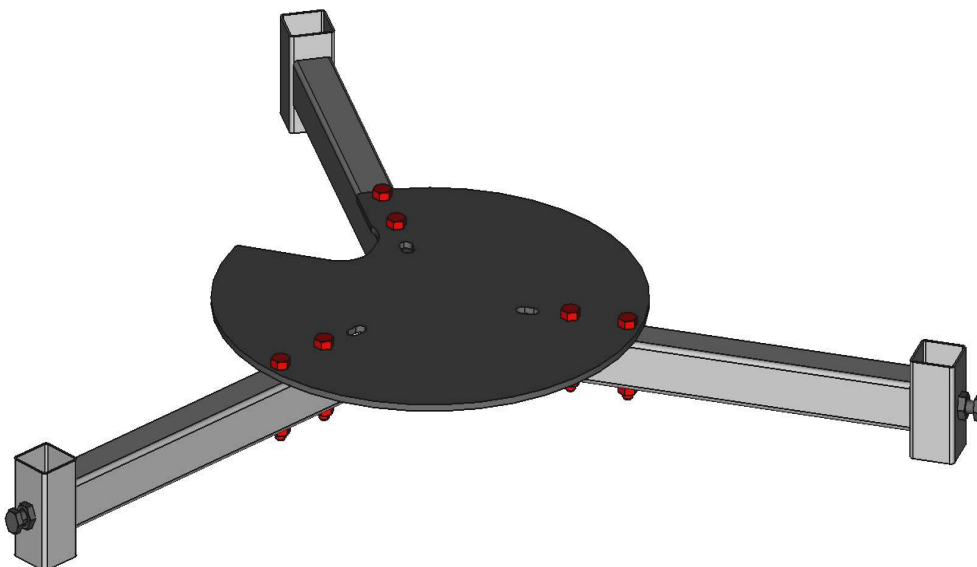
9. M8x45 bolt with nut & washer 6 pcs



Assembly procedure:

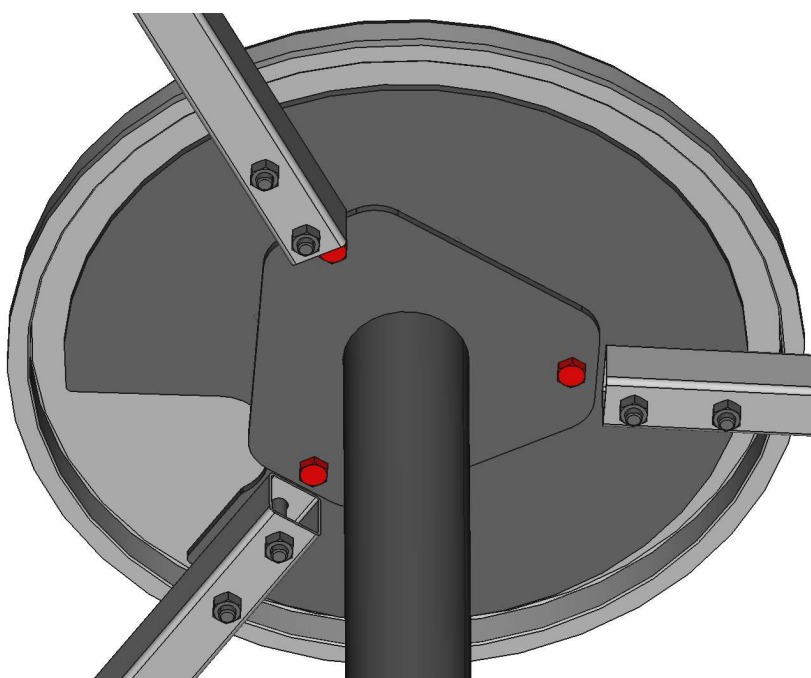
1. Attach Horizontal Arms

- Attach **3 pcs Horizontal Arms (3)** to the bottom side of the **Mounting Bracket (1)** using **6 pcs M8x50 bolts with washer & nut (9)** for each arm. Tighten with a 13 mm wrench.



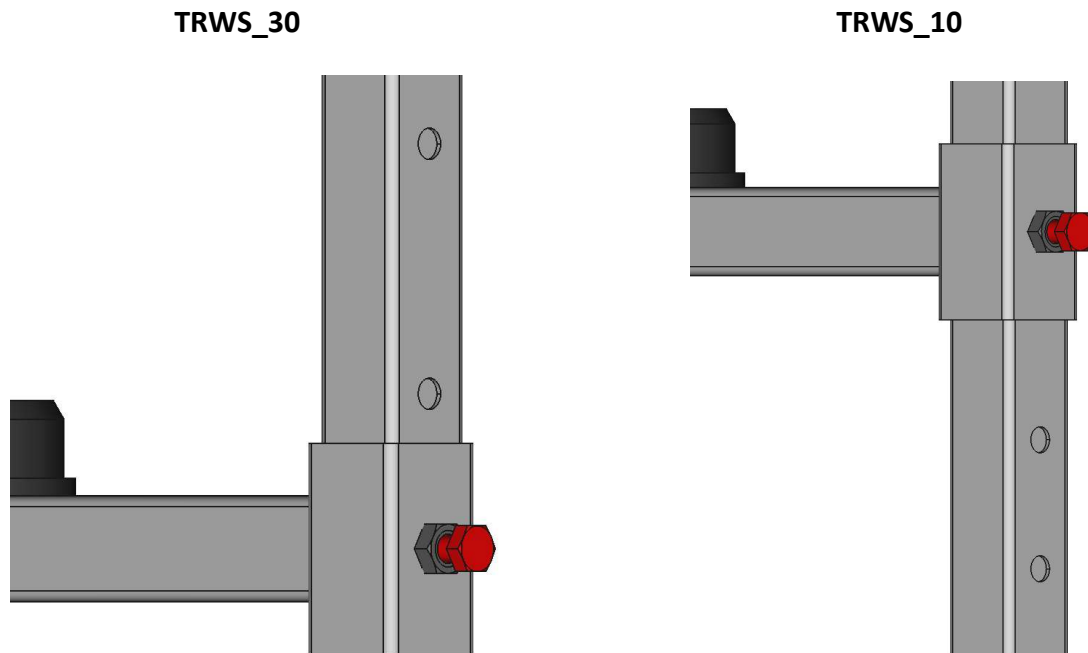
2. Fix the Mounting Bracket to the Stand

- Place the **Mounting Bracket (1)** on the upper flange of the **TRWS Stand (2)**. Align the holes in the bracket with the matching holes in the stand flange.
- Position the **TRWS base** on top, ensuring its threaded holes align with the holes in the flange and the Mounting Bracket.
- Secure the base plate using **three M8 bolts**. Tighten with a 13 mm wrench.



3. Attach Vertical Supports

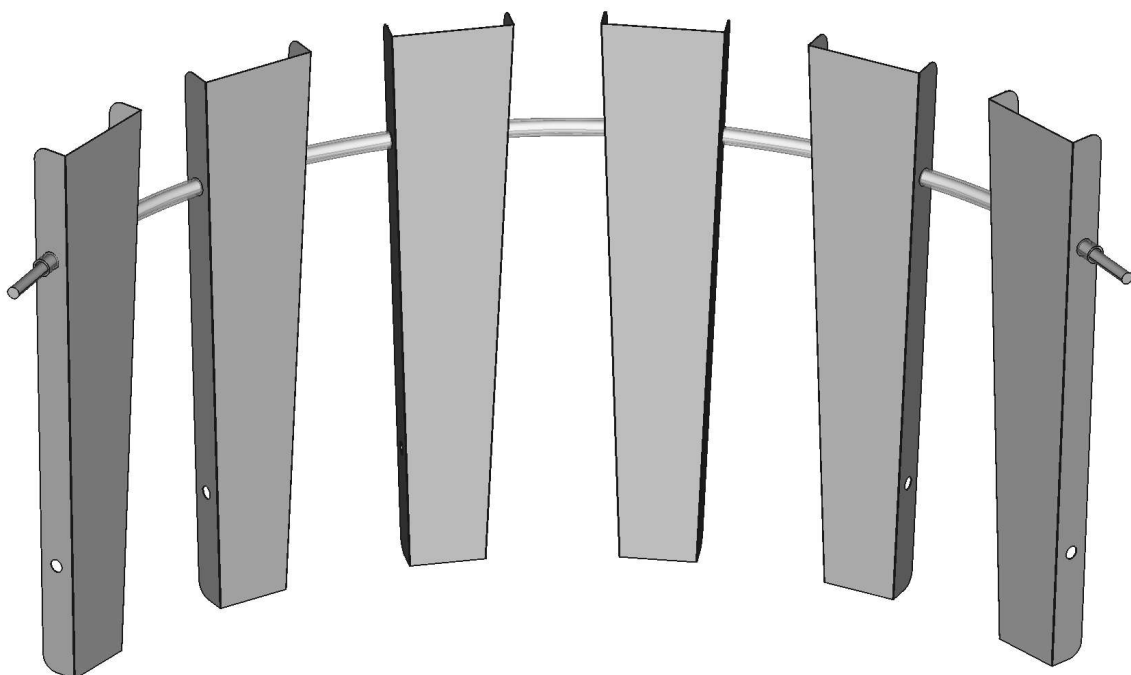
- Attach **3 Vertical Supports** (4) to the ends of the Horizontal Arms (3).
- Use the holes that correspond to your specific TRWS model:



- Tighten with a 13 mm wrench.

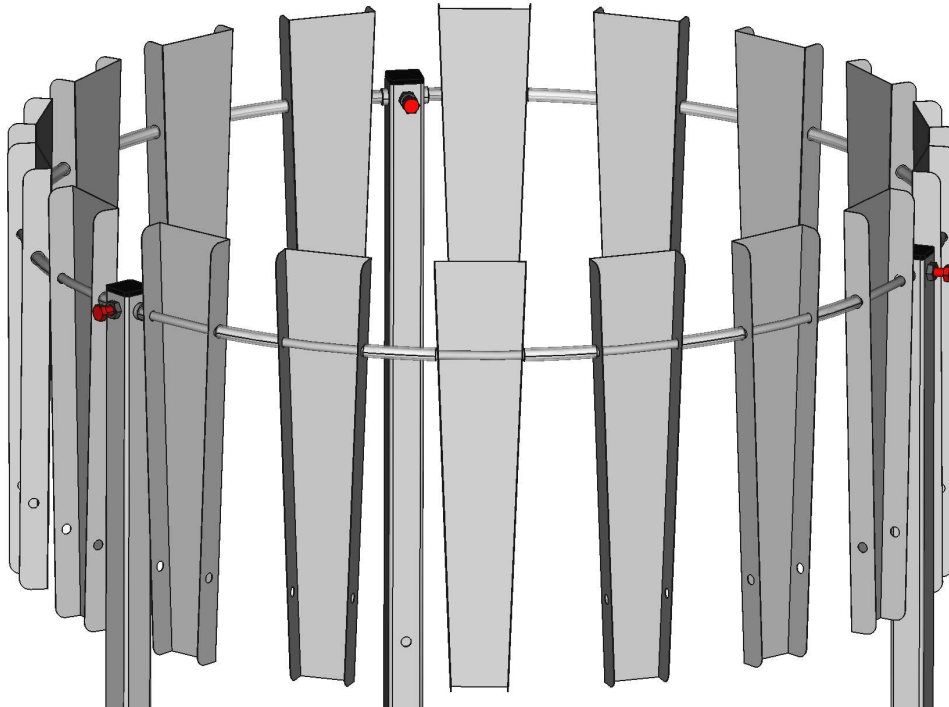
4. Assemble the Ring Segments with Leaves and Spacers

- On each **Ring Segment** (6), alternately attach **Leaves** (5) and **Spacers** (7). Use the holes at the wider ends of the Leaves for attachment. Between **six leaves**, use **5 pcs of long spacers**, and on both ends, use **2 short spacers** each.
- Ensure the flat sides of the Leaves face inward, towards the rain gauge.



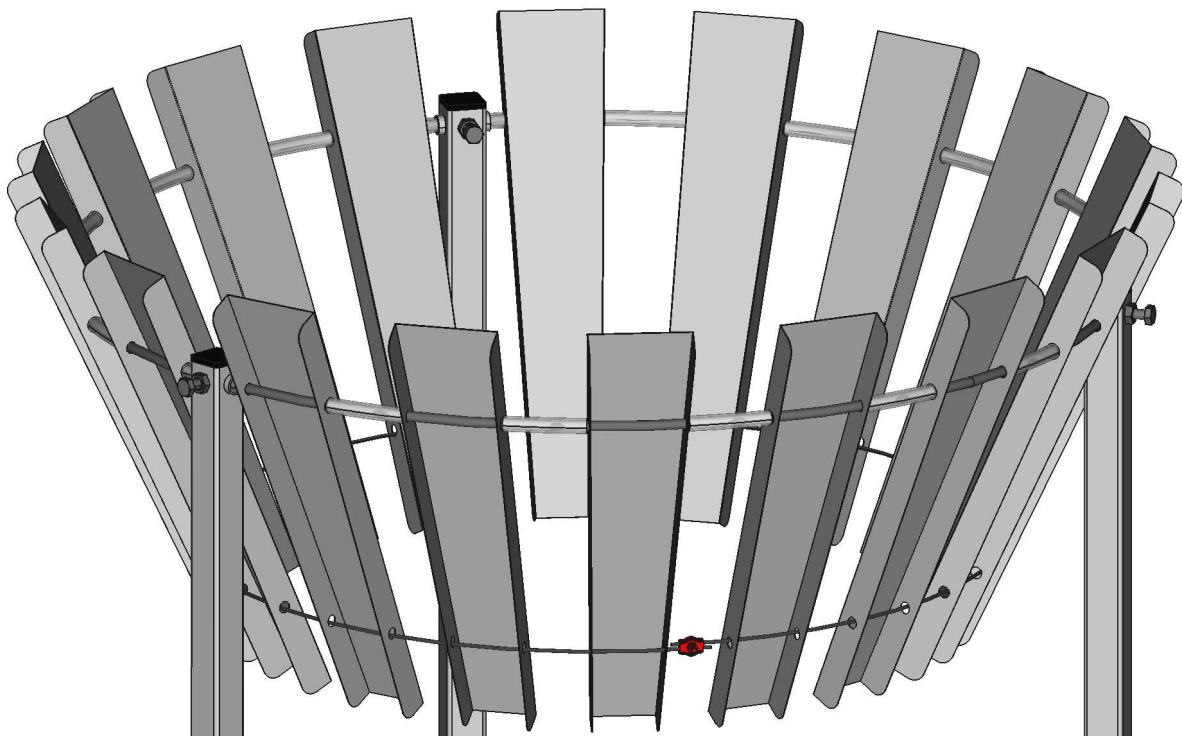
5. Attach the Ring Segments to Vertical Supports

- Insert the ends of each assembled **Ring Segment (6)** into the holes at the top of the **Vertical Supports (4)**.
- Fix the Ring Segments in place using **M8 bolts** on the vertical arms. Tighten with a 13 mm wrench.

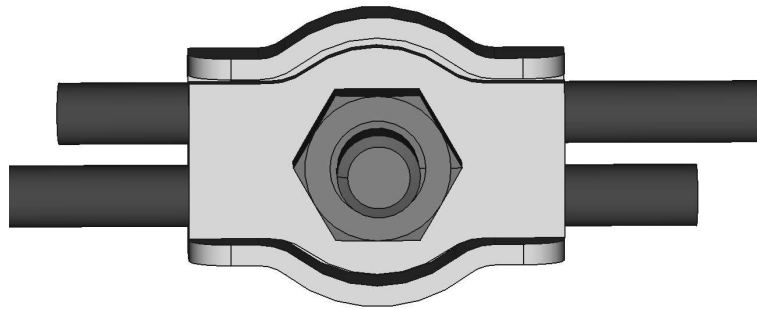


6. Install the Steel Cable

- Thread the **Steel Cable (8)** through the holes at the lower ends of each **Leaf (5)**.



- Connect both ends of the cable using the provided clamp. Tighten with a 7 mm socket 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.