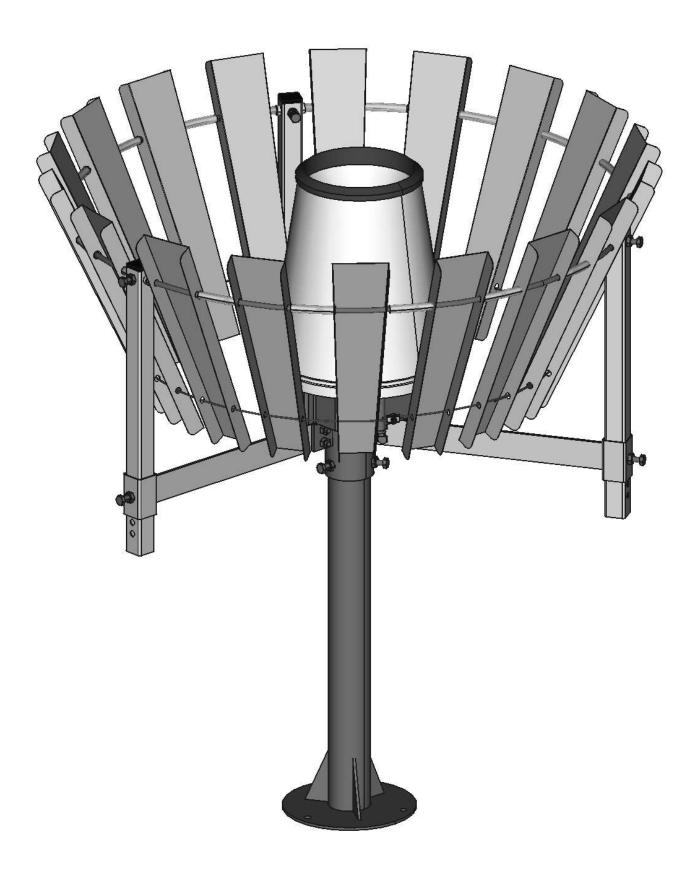
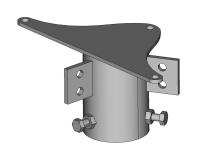
# Assembly Instructions for TWS – Tretyakov Wind Shield TRWS\_E

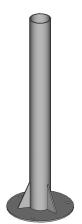


# **Parts list:**

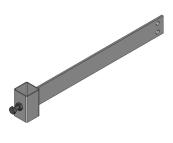
1. Mounting bracket 1 pc



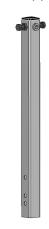
2. TRWS\_E stand 1 pc (not part of the TWS delivery)



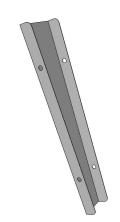
3. Horizontal arm 3 pcs



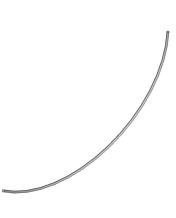
4. Vertical support 3 pcs



5. Leaf 18 pcs



6. Ring segment 3 pcs



7. Spacers

- long **15 psc**
- short 6 pcs



8. Steel cable & clamp 1 pc



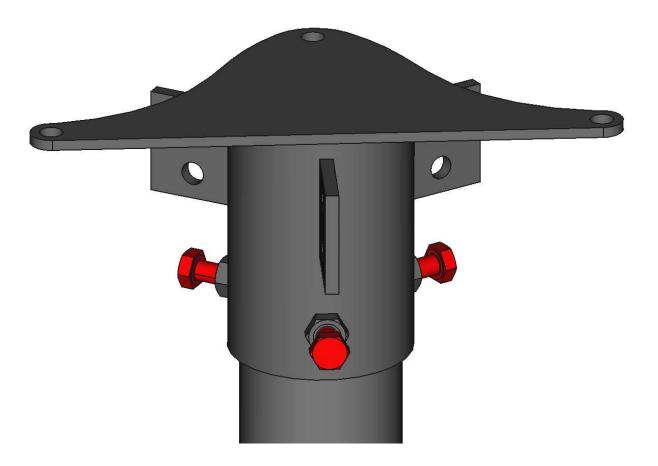
**9.** M8x20 bolt with nut & washer **6 pcs** 



# **Assembly procedure:**

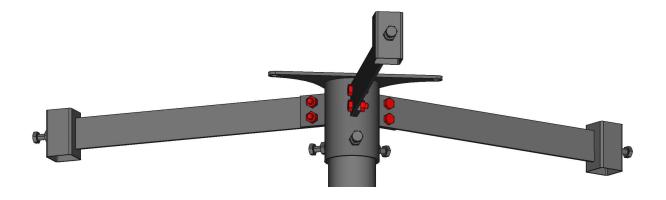
## 1. Fix the Mounting Bracket to the Stand

- Place the Mounting Bracket (1) to the TRWS Stand (2).
- Secure the Mounting Bracket using **three M8 bolts**. Tighten with a 13 mm wrench.



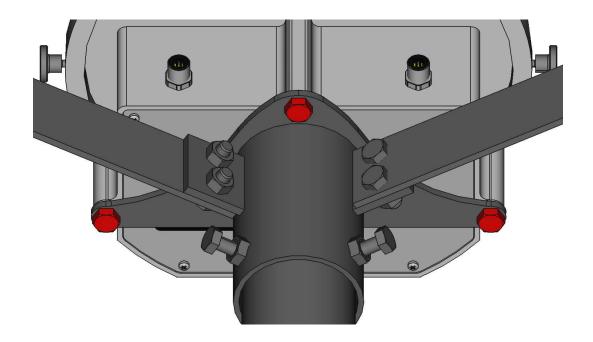
#### 2. Attach Horizontal Arms

• Attach 3 pcs Horizontal Arms (3) to the Mounting Bracket (1) using 6 pcs M8x20 bolts with washer & nut (9) for each arm. Tighten with a 13 mm wrench.



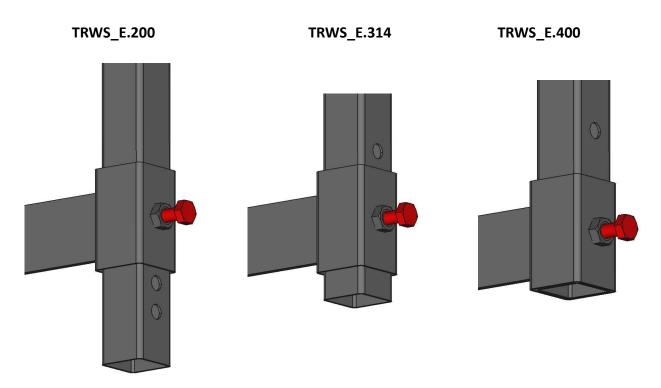
#### 3. Attach TRWS\_E base

- Positon the TRWS\_E 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 with washer** . Tighten with a 13 mm wrench.



### 3. Attach Vertical Supports

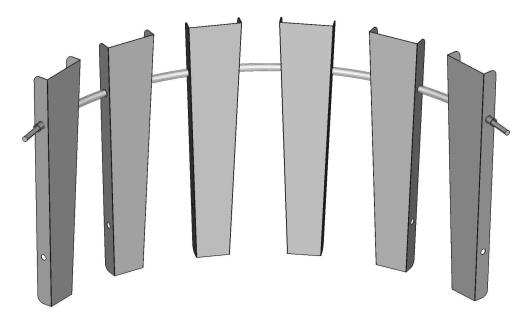
- Attach 3 Vertical Supports (4) to the ends of the Horizontal Arms (3).
- Use the holes that correspond to your specific TRWS model:



• Tighten with a 13 mm wrench.

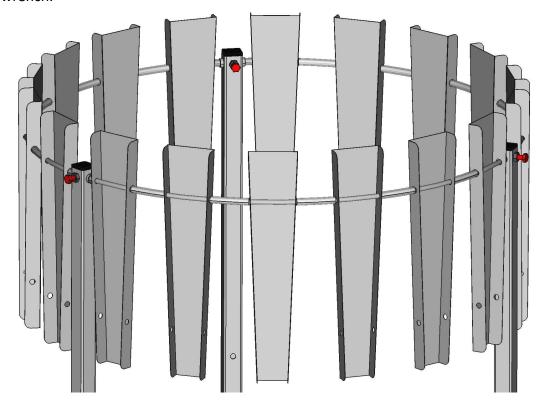
#### 4. Assemble the Ring Segments with Leaves and Spacers

- 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

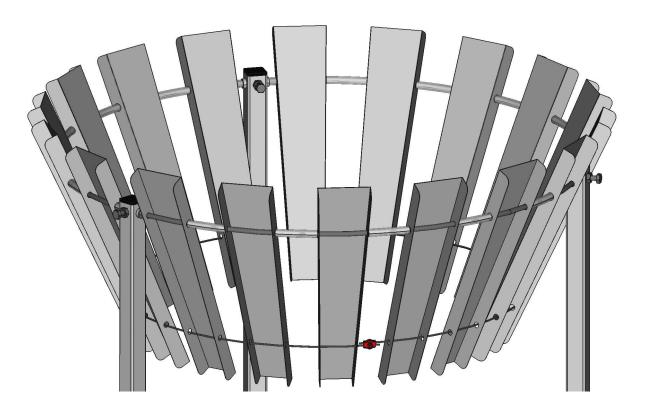
- Insert the ends of each assembled **Ring Segment** (6) into the holes at the top of the Vertical Supports (4).
- Fix the Ring Segments in place using **M8 bolts** on the vertical arms. Tighten with a 13 mm wrench.



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#### 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.