

AS-1800 and AS-1800 G Offset Dish

Assembly Drawing



- | | |
|--|---------|
| 1. Reflector 1,8 m | - 1 pc |
| 2. Feed support | - 1 pc |
| 3. Feed pipe | - 2 pcs |
| 4. ASZ-1800 or ASP-1800 Mount | - 1 pc |
| 5. STP-1800 Post mount | - 1 pc |
| 6. Feed clamp | - 1 pc |
| 7. Bolt M5 x 25 | - 2 pcs |
| 8. Hex flange nut M5 | - 2 pcs |
| 9. Hex flange nut M8 | - 4 pcs |
| 10. Hex flange nut M6 | - 2 pcs |
| 11. Mushroom head bolt M6x35 | - 2 pcs |
| 12. Hex socket button head bolt M10 x 55 | - 4 pcs |
| 13. Hex nut M10 | - 4 pcs |
| 14. Washer 10,5x20x2,0 | - 4 pcs |



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Assembly instruction

Installation of this product should be performed by a professional installers team only which should ensure its safe and efficient operation.

Before you install the antenna in your preferred location, you should make sure that:

- 1. the position assures direct view of satellites you want to receive;*
- 2. to evaluate the strength of the foundation the antenna stand (mast) will be attached to;*
- 3. choose the right antenna mast and design its mounting.*

In evaluating the ground, you will not only need to consider the direct load of the antenna structure, but firstly the load created by wind pressure.

The chosen antenna stand must therefore provide the required resistance rigidity and safe operation.

Loads created on the antenna dish by wind, according to the wind speed, are given in the table below:

| | | | | | | | |
|-------------------|-------------|-----------|------------|--------------|--------------|--------------|--------------|
| <i>Wind speed</i> | <i>km/h</i> | <i>20</i> | <i>40</i> | <i>80</i> | <i>120</i> | <i>160</i> | <i>200</i> |
| <i>Wind load</i> | <i>N</i> | <i>80</i> | <i>318</i> | <i>1 273</i> | <i>2 864</i> | <i>5 090</i> | <i>7 954</i> |

Assembly procedures:

- 1. Assemble the stand and fix it to the ground. The stand pipe diameter must be from 85 - 95 mm.*
- 2. Install the antenna dish supporting structure, according to the instructions appropriate for the chosen type of support.*
- 3. Fix the supporting structure to the antenna reflector according to the antenna assembly drawing.*
- 4. The supporting structure with the antenna reflector put on the antenna mast. Using locking screws lock the supporting structure on the mast pipe. Tighten the bolts so as to ensure alignment of pipes.*
- 5. Fix the feed support (2) with feed pipes (3) to the antenna reflector (1) according to the antenna assembly drawing.*
- 6. Install the LNB in the feed support and aim the antenna precisely at the chosen satellite. Correct the converter turning angle. Lock the movable support elements.*
- 7. Install the lightning protection system.*
- 8. In case of AS1800G instalation, connect the heating system power supply according to the diagram shown inside the connection box. The power supply circuit should be protected by residual current device (RCD).*

The antenna installation and aiming adjustment must be performed very carefully and precisely.



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