

Microwave Parabolic 6 ft Antennas 250 km/h WindKit

Kit : SMA-WK-6 / SMA-WK-6NEC / SMA-WK-6A

NMT 405-06(e)



These installation instructions have been written for qualified, skilled personnel. The antenna shall be inspected once per year by qualified personnel to verify proper installation, maintenance, and condition of equipment. It is important to adhere precisely to all parts of the installation instructions. RFS disclaim any responsibility resulting from improper or unsafe installation. RFS reserves the right to alter details at any time, especially with respect to technical improvements.

1 - Description

All standard 6 ft antennas withstand a survival windspeed of 200 Km/h. These antennas can be equipped with a WindKit for a survival wind speed of 250 Km/h.

These 250 km/h WindKit is composed of :

- 6 stiffening steel pipes (for Std-Backing or Adv-Backing)
- 1 L-profile 120 mm (for Std-Backing or Adv-Backing)
- 1 hardware pack

2 - Tool required for installation

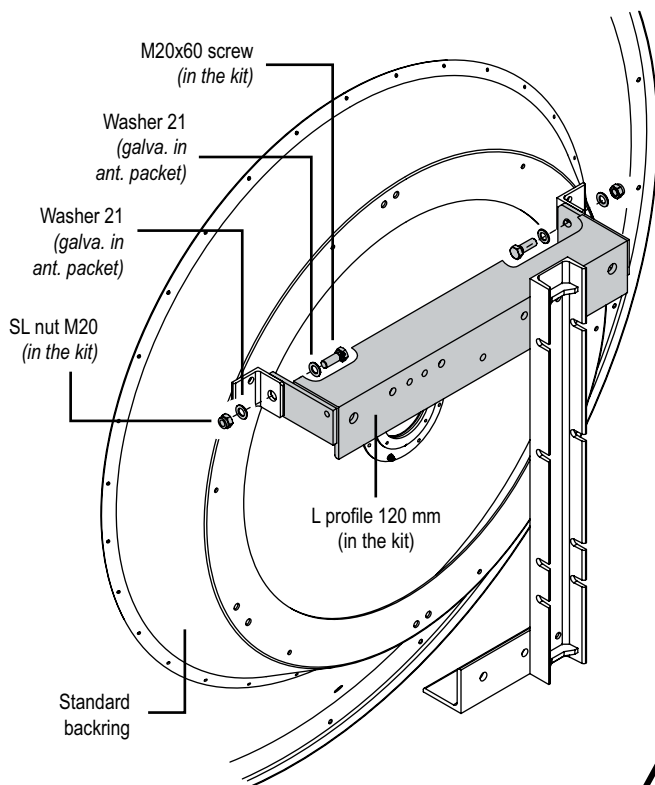
() opening / N° of wrenches

- Wrenches for hexagon bolts or nuts M8(13), M12(18/19), M20(30)
- Torque wrench from 17 to 240 Nm
- Electric drill with Ø9 mm drill bit (for antenna equipped with hemispherical radome)

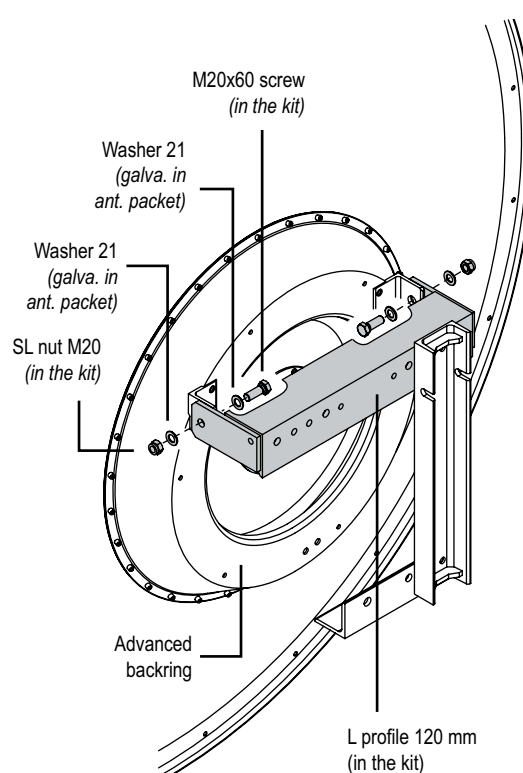
3 - Assembly of the mount

The L-profile 120 mm delivered in this kit must substitute the L-profile 100 mm delivered with the standard antenna. Insert the L-profile 120 mm according to the installation instructions delivered with the antenna.

Antenna with Standard Backing Kit : SMA-WK-6 or SMA-WK-6NEC



Antenna with Advanced Backing Kit : SMA-WK-6A



Do not use the galvanized steel M20 nuts, SL washers 20 and screws M20x60 provided with the antenna

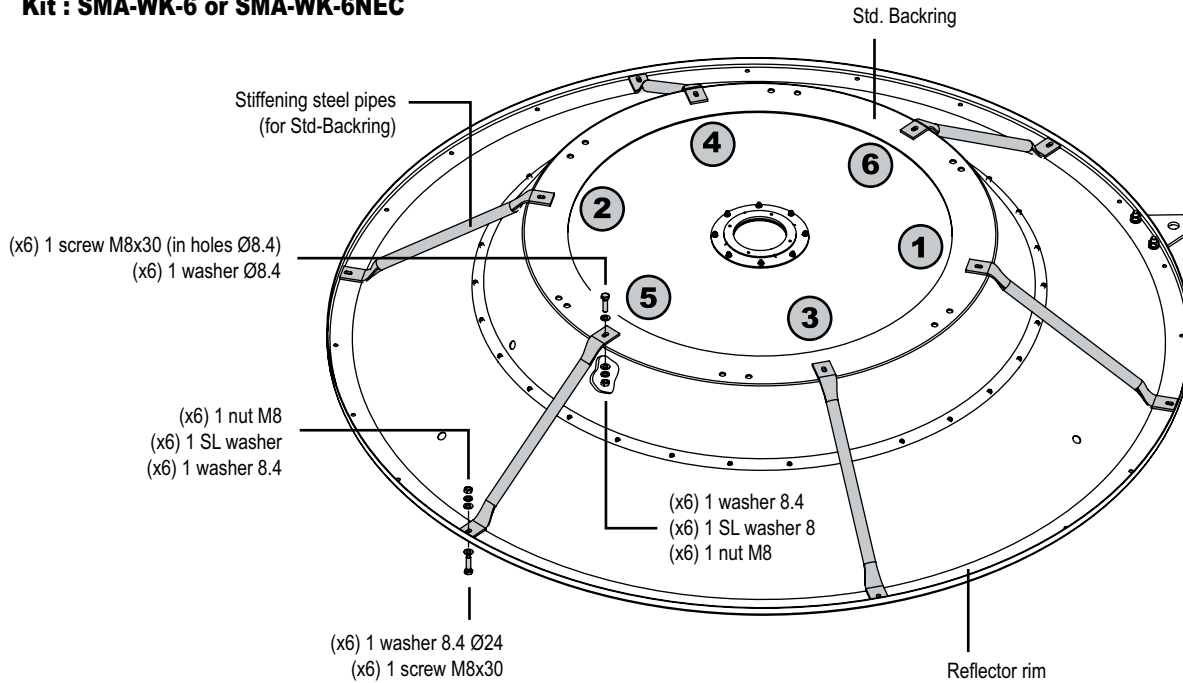
4 - Assembly of the stiffening steel pipes

If the antenna is equipped with a shroud or hemispherical radome, you must install it before stiffening pipes installation. For hemispherical radomes, the 6 holes used for stiffening pipes attachment must be oversized to $\varnothing 9$ mm. For antennas without shroud or radome, the stiffening pipes could be installed directly without particular order.

- Install the 6 steel pipes between the reflector rim and the backing, handtighten the nuts
- Handtighten the nuts in opposite diagonal mode (see order on drawings)
- After complete handtightening, torque tighten all bolted joints in opposite diagonal mode (refer to torque table joined)

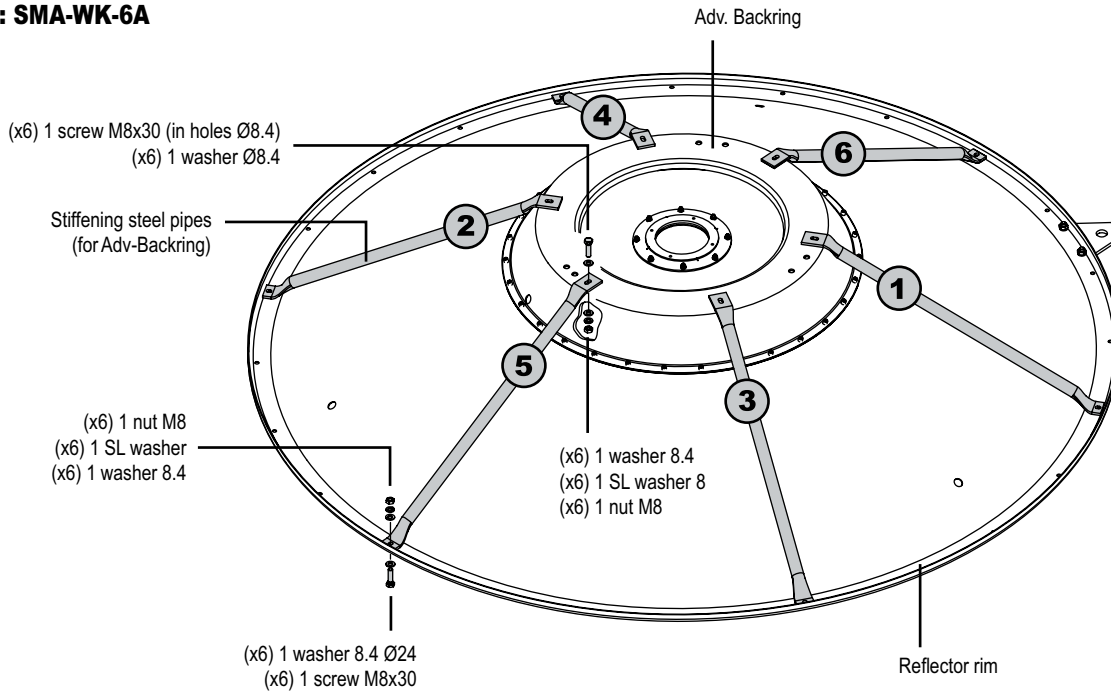
Antenna with Std-Backing

Kit : SMA-WK-6 or SMA-WK-6NEC



Antenna with Adv-Backing

Kit : SMA-WK-6A



5 - Next instructions (See installation instructions supplied with the antenna)