

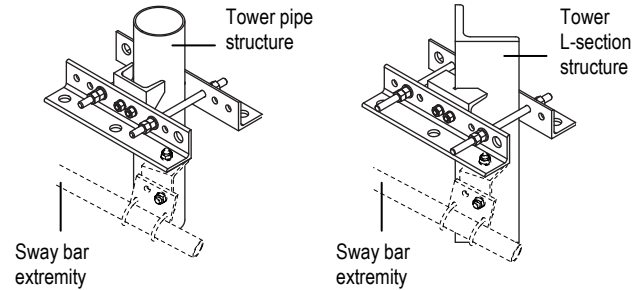
**Sway Bar / Tower Connecting Kit (SMA-SKO-UNIVERSAL)**  
**3-4 ft antennas**

NMT 612-01(e)

The sway bar / tower connecting kit allows the attachment of the sway bar extremity on tower with pipe or L-section structure profiles :

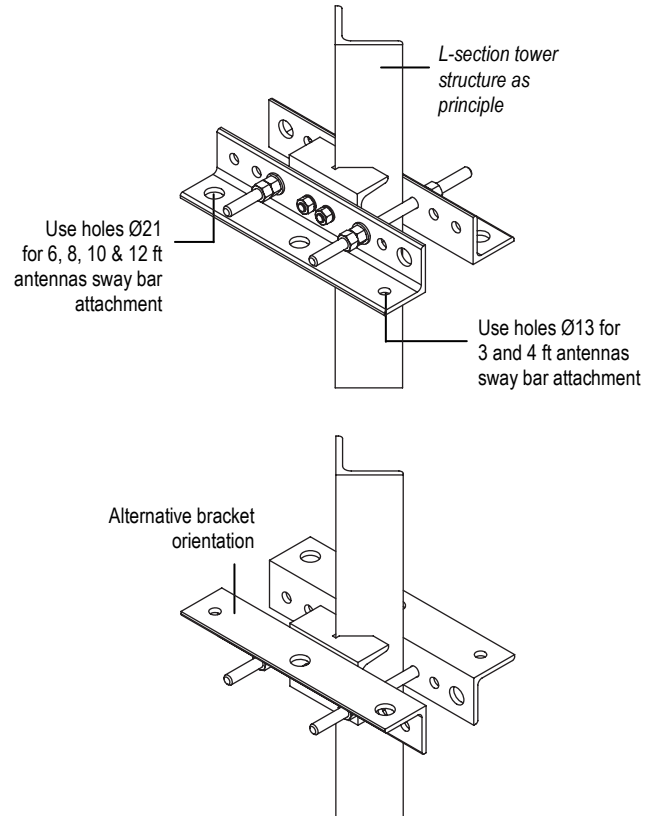
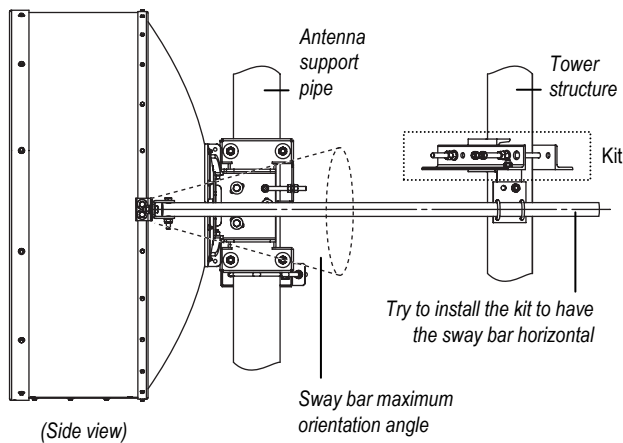
- Tower pipe compatibility : Ø 48 up to 114 mm
- Tower L-section compatibility : L 40x40 up to L 110x110
- Sway bar compatibility : All RFS sway bar models (Ø 27-33-60 mm)
- Approx. weight : 3.5 kg

Note:  
 Fine azimuth and elevation adjustments have to be done before the sway bar attachment to the sway bar / tower connecting kit.



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 - Sway bar kit installation and adjustment (principle)**



If the tower configuration allows it, try to install the connecting kit to have the sway bar orientation the most horizontal possible. (In any case respect the maximum orientation angle indicated in the antenna main install instructions for the sway bar installation).

**Kit supplies**

Description	Qty	Description	Qty
L Bracket	2	SL washer 10 (stainless steel)	3
U Bracket	1	Hex screw M10x25 (stainless steel)	2
Hex nut M12 (stainless steel)	8	Washer 10.5 (stainless steel)	2
Flat washer 13 (stainless steel)	4	Hex screw M10x30 (stainless steel)	1
Threaded rod M12x230 (stainless steel)	2	Assembly grease	1
Hex nut M10 (stainless steel)	3		

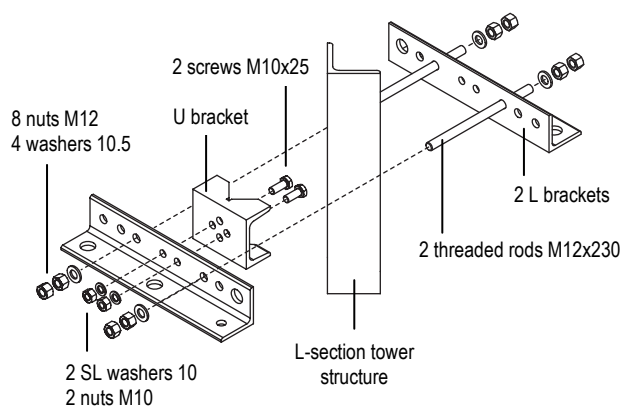
**Tools and equipment required for installation**

- Torque wrench 8 to 50 Nm with hex open/ring ends adapters M6(10), M8(13), M10(17), M12(19).
- Combination wrenches for hexagon bolts M6(10), M8(13), M10(17), M12(19).

( ) opening of spanner

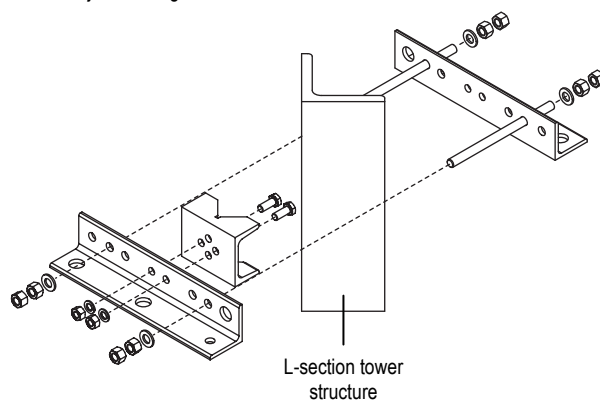
### Assembly for L40x40 up to L70x70

Prepare bolted joints with grease.



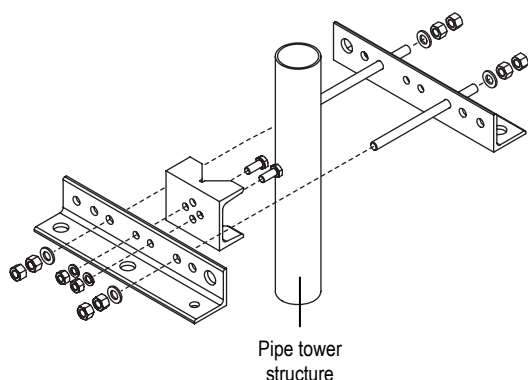
### Assembly for L > 70x70 up to 110x110

Prepare bolted joints with grease.



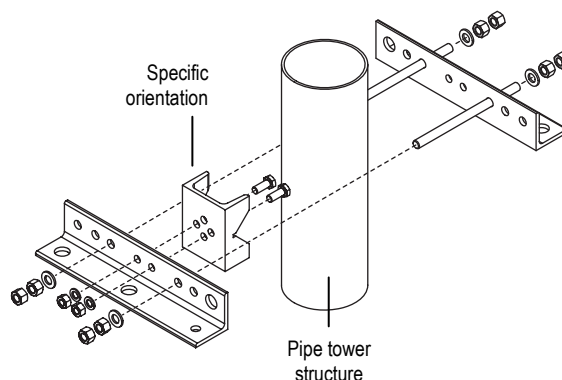
### Assembly for pipes Ø48.3 up to Ø60.3

Prepare bolted joints with grease.



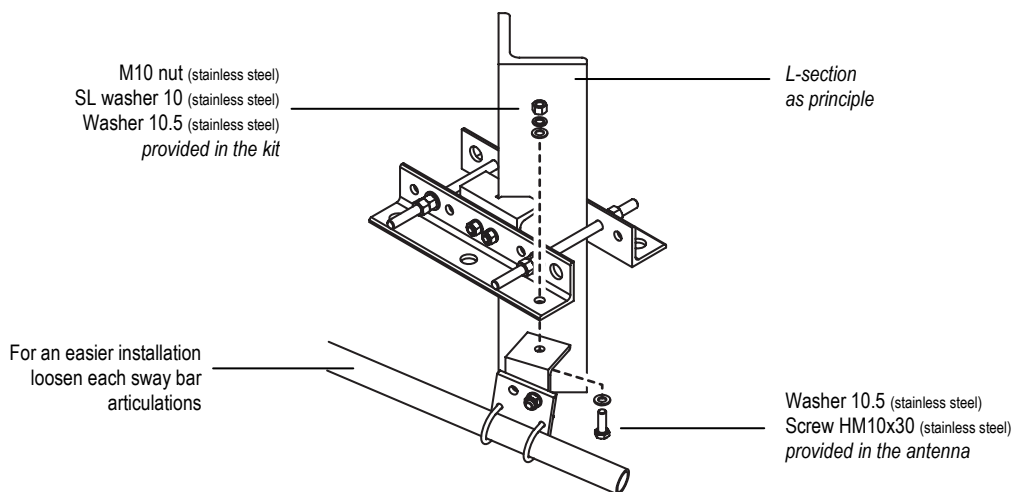
### Assembly for pipes > Ø60.3 up to Ø114.3

Prepare bolted joints with grease.



## 2 - Sway bar attachment (principle)

Prepare bolted joints with grease.



## 3 - Torque tightening of the sway bar bolted joints articulations (refer to the torque specifications table below)

After complete sway bar orientation, torque tighten all bolted joints of the sway bar articulations and of the attachment kit. The antenna maximum windload charge depends directly from the correct sway bar articulation tightening.

### Torque specifications (Valid with greased thread)

Bolt / Nut size	M6	M8	M10	M12	Counter-nuts (all Ø)
Torque in Nm	8	17	35	50	140hand tight