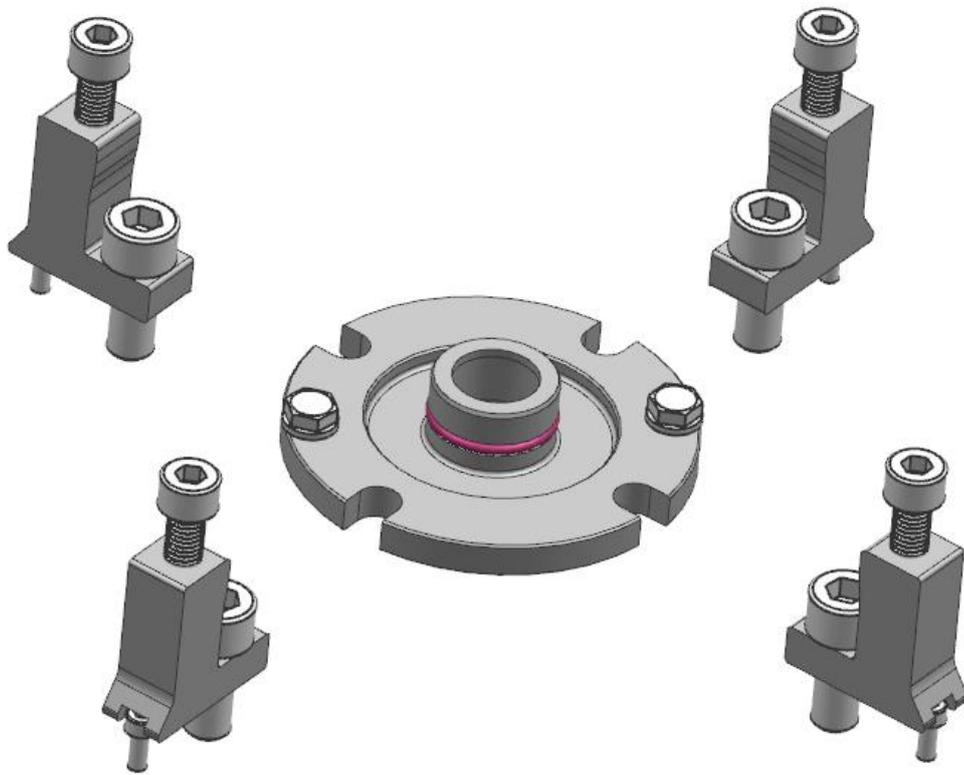


Installation instruction

LEAX-RAy Antennas – Single polarization



LEAX Arkivator Telecom disclaims any liability for the results of improper or unsafe installation, inspection, maintenance, or removal practices.

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Tools required

- ✓ Allen key 3mm and 8mm.
- ✓ Combination wrench (ring/open jaw) Hex 10 for M6
- ✓ Tool for torque levels; 2,6Nm, 7Nm and 33Nm.

Unpacking

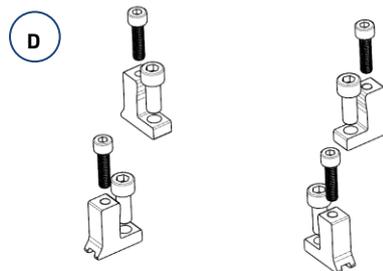
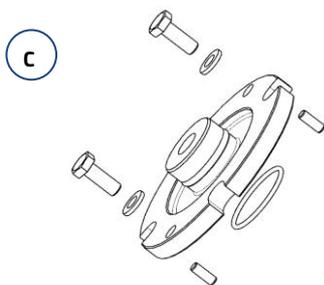
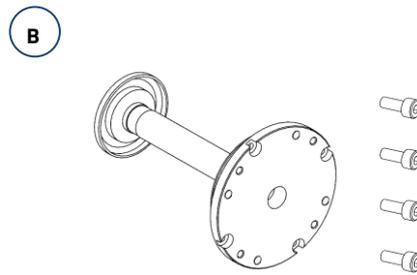
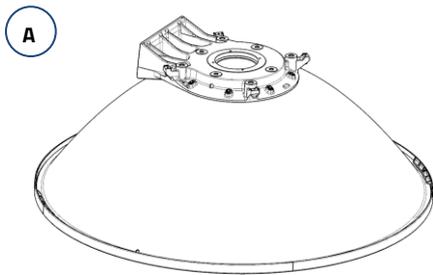
Place antenna on an appropriate surface, such as on top of packing material. For 0,6m 24-42GHz there is a special inlay with circular holes that can be used to place the radome in, to stabilize the antenna when assembling. Before starting with the installation, make sure not to forget to remove any protection tapes, covering the different waveguide openings.

Included parts



Handle Antenn and Feed carefully at all times.

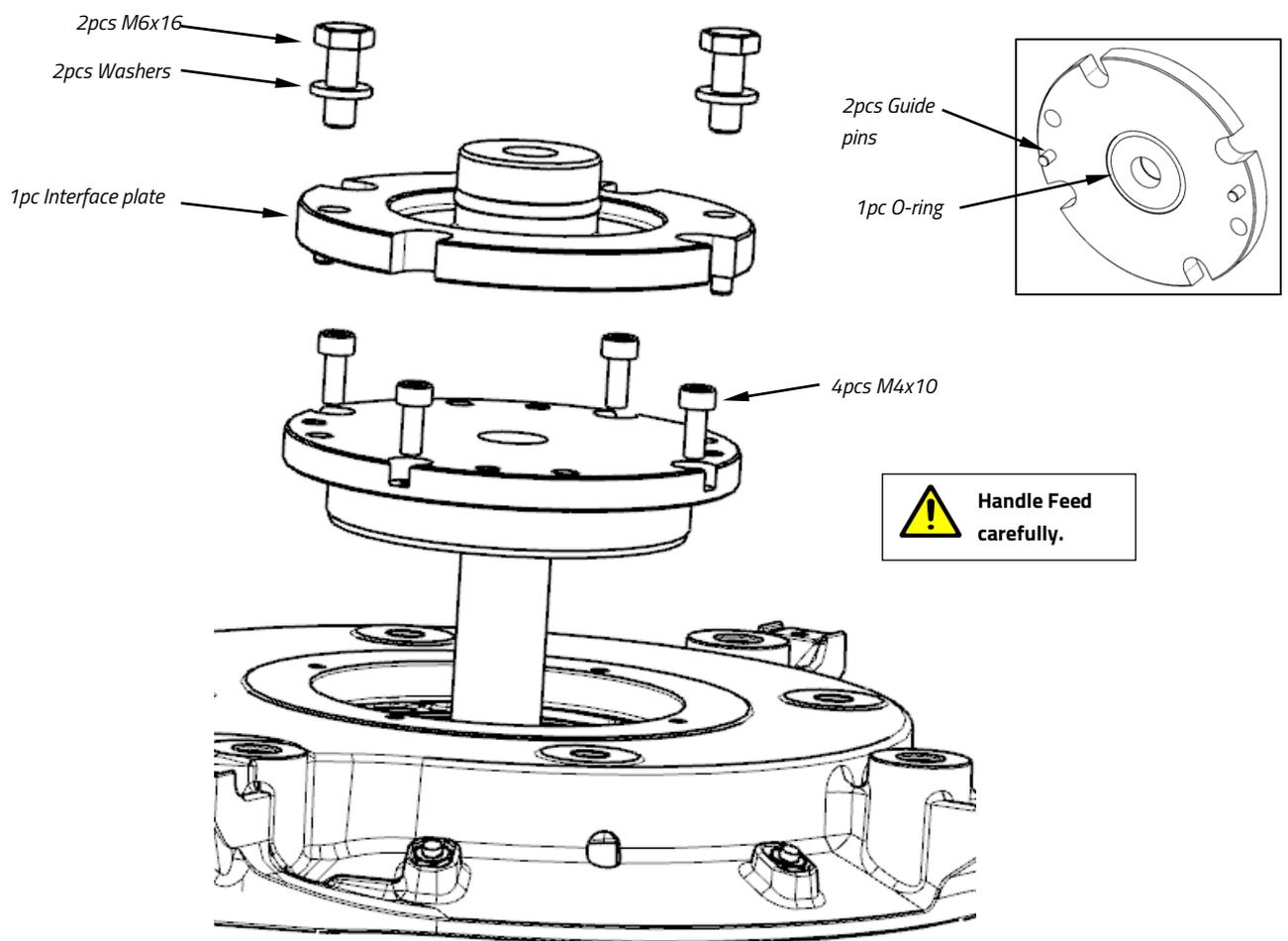
Item	Qty	Description
A	1	Antenna (including mast mount)
B	1	Feed kit (if not pre-assembled to antenna)
	1	Feed
	4	Screw M4x10
C	1	Waveguide Interface kit (if not pre-assembled to feed)
	1	Waveguide Interface plate (including Guide pins and O-ring)
	2	Screw M6x16
	2	Washer M6
D	1	Radio Interface kit (if not pre-assembled to antenna)
	4	Adapter plate spacer
	4	Screw M10x25
	4	Screw M8x30



Assembly

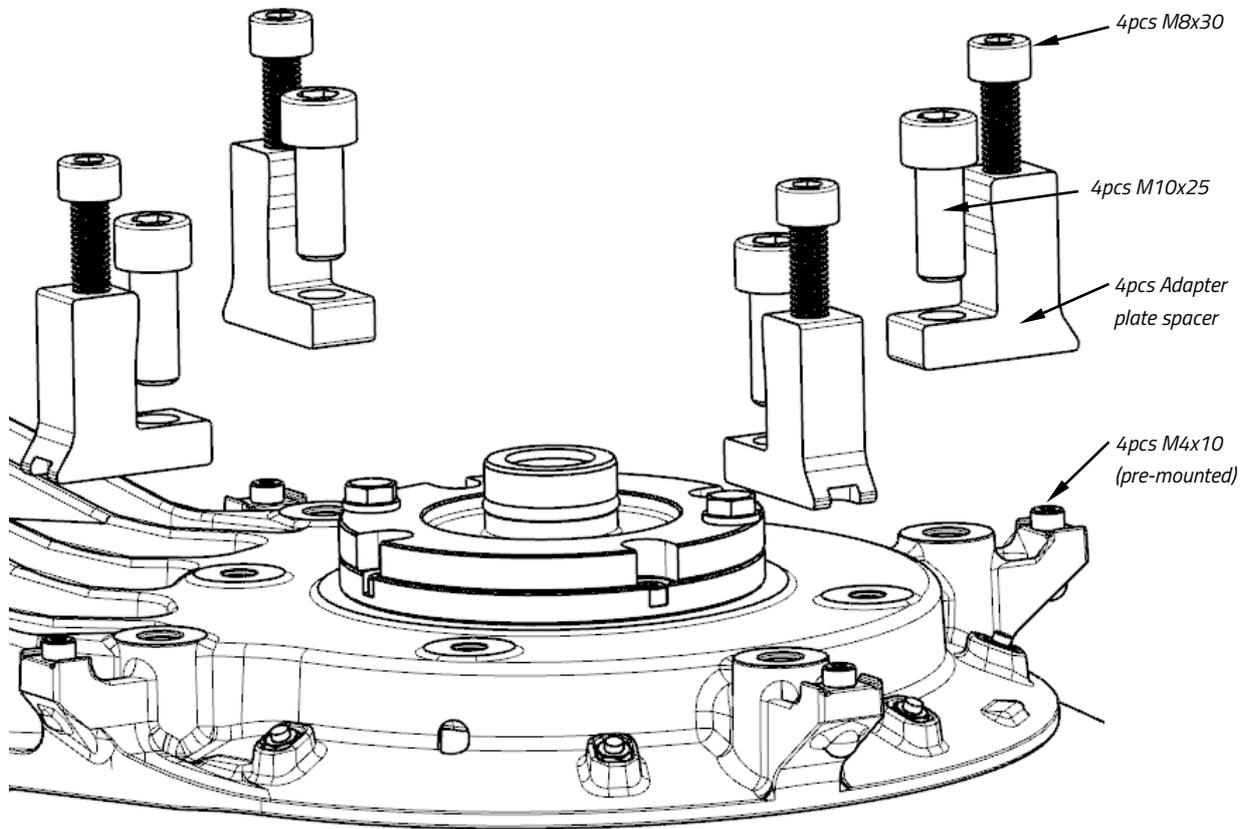
Step 1 – Feed and Waveguide interface

- a) If Feed and Waveguide interface is pre-mounted to antenna at factory no more mounting is needed.
- b) If Feed and Waveguide interface is not pre-mounted to antenna at factory;
 - ✓ Place Feed into antenna.
 - ✓ Mount 4pcs M4x10 (Allen) screws and tighten them with $2,6\text{Nm} \pm 5\%$.
- c) If Waveguide Interface is not pre-mounted to Feed at factory;
 - ✓ Remove protective tape from Feed and Waveguide interface.
 - ✓ Check that the O-ring and 2pcs Guide pins are properly inserted in Waveguide interface.
 - ✓ Mount 2pcs M6x16 (Hex) screws with washers and tighten them with $7\text{Nm} \pm 5\%$.



Step 2 – Radio Interface kit

- a) 4pcs M4x10 Allen screws are pre-mounted to Antenna, identify them.
- b) Mount 4pcs Adapter plate spacers with 4pcs M10x25 Allen screws. Check that the Adapter plate distances are guided by the 4pcs M4x10 screws. Tighten the M10 screws with 33Nm \pm 5%.
- c) Mount 4pcs M8x30 Allen screws by hand, approximately 10mm down into Adapter plate spacers. Used for mounting of Radio.



Antenna and Radio equipment

- a) Continue mounting the antenna according to antenna manual.
- b) Remove protection tape from Waveguide interface on Feed and mount Radio equipment.