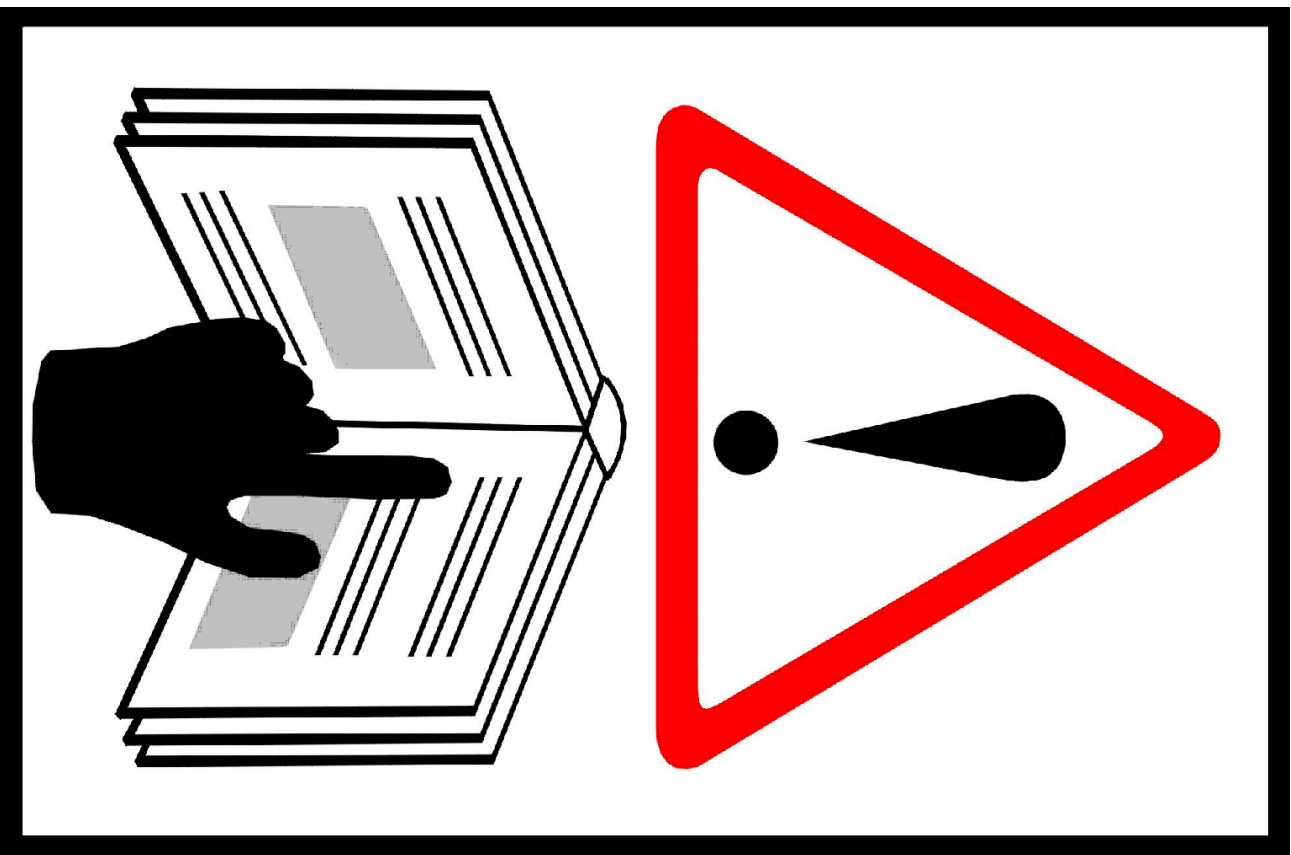


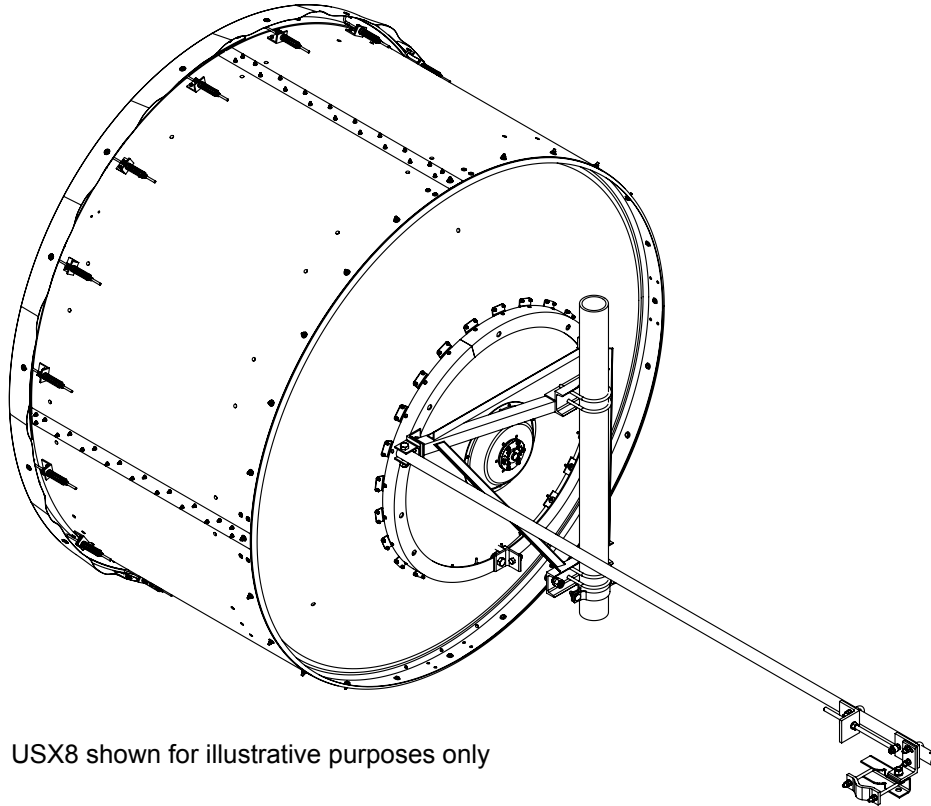
IMPORTANT!

INSTALLATION INSTRUCTIONS

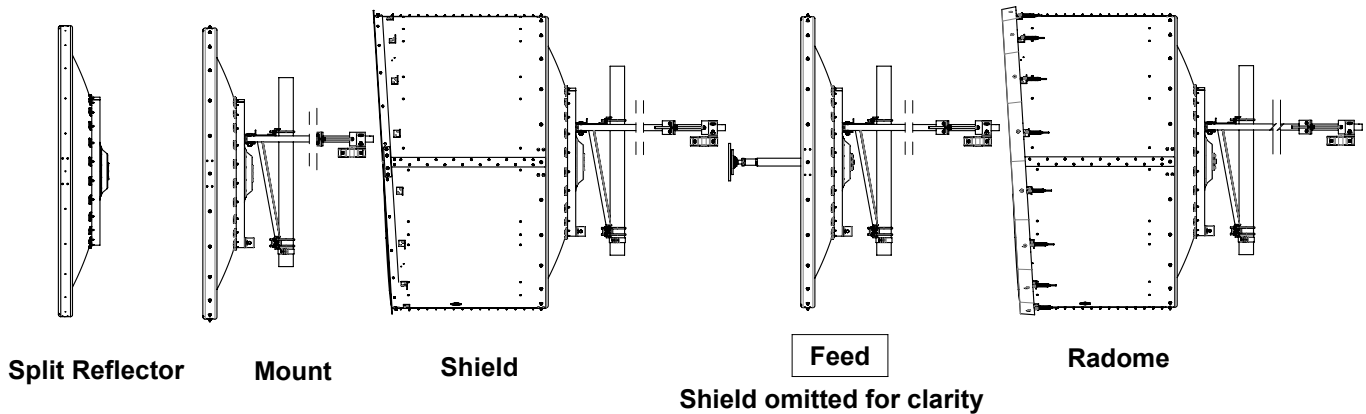
**READ THIS
MANUAL FULLY
BEFORE STARTING
INSTALLATION**



Feed Installation Instructions



USX8 shown for illustrative purposes only



Sequence of Antenna Assembly

Always read the entire manual before commencing installation

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Feed Installation Instructions

SAFETY INSTRUCTIONS



NOTE: Reduce the risk of accidents by studying all the instructions carefully before starting working.

The safety information in this document presupposes that any person performing work on CommScope products or systems has the education, training and competence required to perform the task correctly.

SERVICE PERSONNEL

Installation and service must be carried out by authorized personnel having the appropriate technical training and experience necessary to be cognizant of hazards during installation and service, and of measures to minimize any danger to themselves or any other person.

SAFETY REQUIREMENTS & REGULATIONS

The safety requirements in the following sections must be followed to avoid personal injury and damage to tangible property.

Use local safety regulations where these are mandatory. The safety instructions in this document shall be used as a supplement to the local regulations.

In case of conflict between the safety instructions in this manual and the local safety regulations, the local safety regulations shall prevail if these are mandatory. If the local regulations are not mandatory the safety instructions in this manual shall prevail.

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SAFETY SYMBOLS & DEFINITIONS

HOISTING



WARNING!

Falling objects can cause accidents.

- Use only tested and approved hoisting equipment in accordance with the instructions supplied with the equipment. Appropriately trained personnel must operate the hoisting device.
- Always hoist from a suitable location.
- Never walk under hoisted loads.
- Follow local regulations for safety clothing and safety equipment for hoisting or moving goods.

WORKING AT HEIGHTS



WARNING!

Some working areas involve the risk of accidents caused by falling or by falling objects

INSTALLATION HARDWARE

Do not use any installation components (for example screws and nuts) other than those enclosed with the equipment or recommended by CommScope.



Use protective wear to avoid skin contact with conductive grease. Keep away from mouth. Wash thoroughly after use with liberal amounts of liquid soap and rinse with water. Do not store open near food or food substances.
Contents: Oil, clay & zinc dust.

INSTALLATION PROCEDURES & TOOLS

The installation procedures in this manual must be followed. Make sure that:

- Working instructions are followed.
- Recommended tools are used.
- Adequate safety devices are used.
- The risk of falling and falling objects is known.
- All hardware is tightened to the torques specified $\pm 5\%$. The integrity of the antenna depends on all fasteners being tightened correctly.

ANNUAL INSPECTION

Antenna systems should be inspected once a year by qualified personnel to verify proper installation, maintenance and condition of equipment.

Tools Required	M4	M6	M8	M10
Ring and Open spanner (A/F)	-	10mm	13mm	17mm
Torque Wrench	2.5Nm - 38Nm			
Sockets (A/F)	-	10mm	13mm	17mm
Allen key	3mm	5mm	-	-
Allen sockets	-	-	13mm	17mm

Tightening of hardware

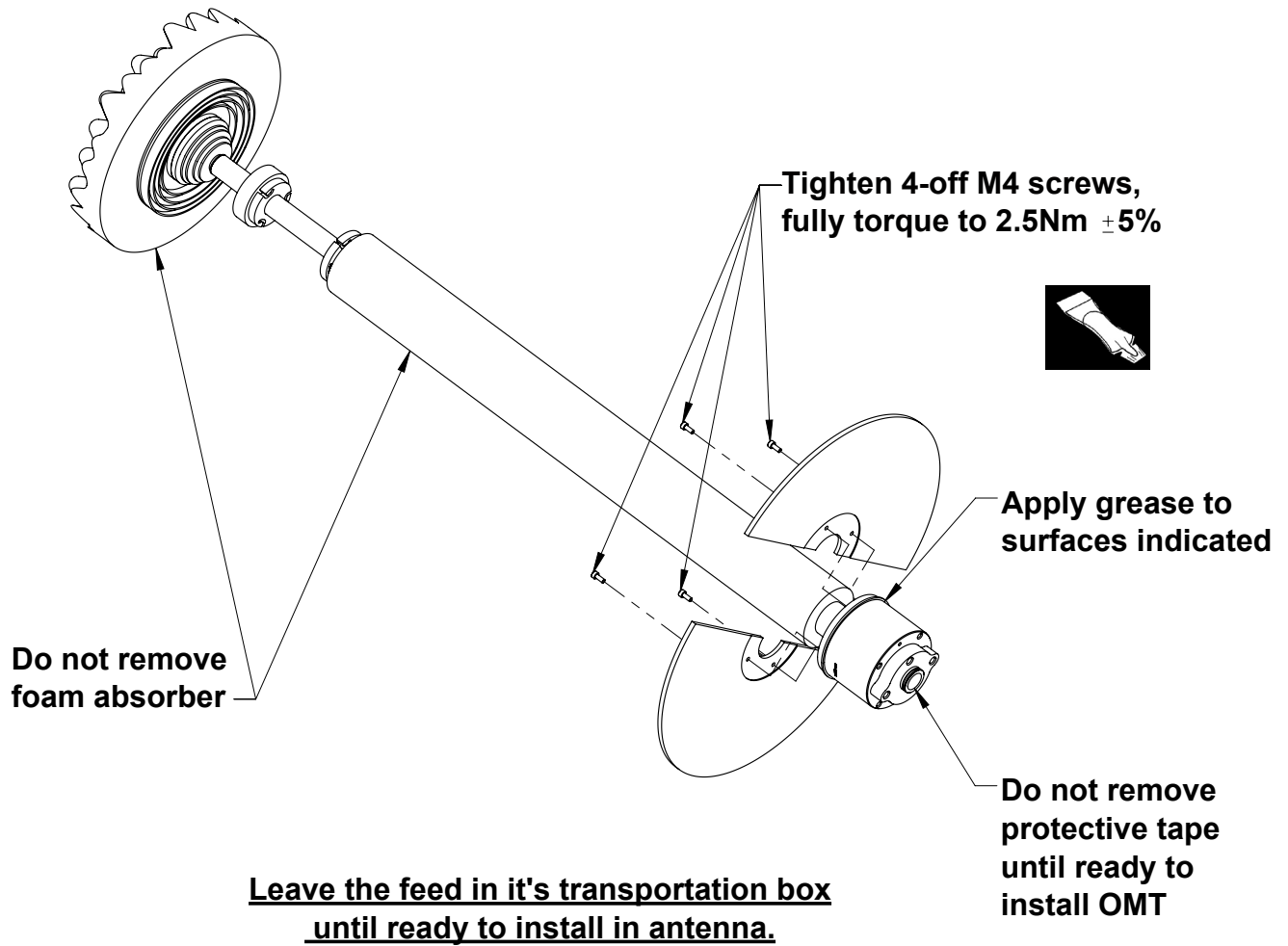
It is recommended that all hardware is tightened to the torques specified in table 3. The integrity of the completed assembly depends on all fasteners being properly tightened.

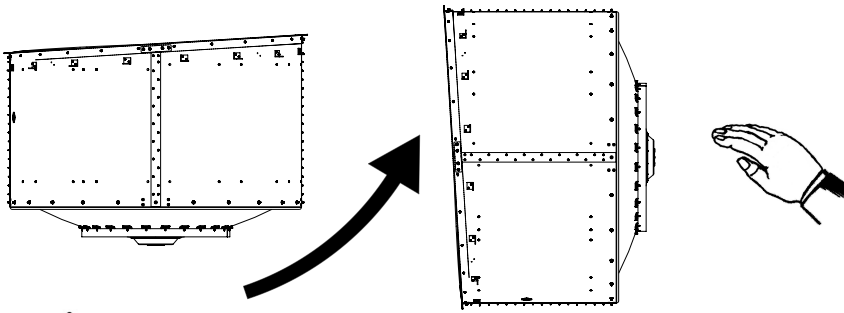
Table 3: Fastener Torque Specifications

Fastener material		Fastener size			
		M4	M6	M8	M10
Stainless Steel	N-m	2.5	7.7	19	38
	lb-ft	1.8	5.7	14	28

Vertex Plate Assembly

Vertex plates improve the electrical performance of some models and can be found in the feed box. If a vertex plate is supplied it should be installed as shown:





Prior to feed attachment, carefully tilt antenna upright and hold in position. Ensure antenna is not distorted or damaged.



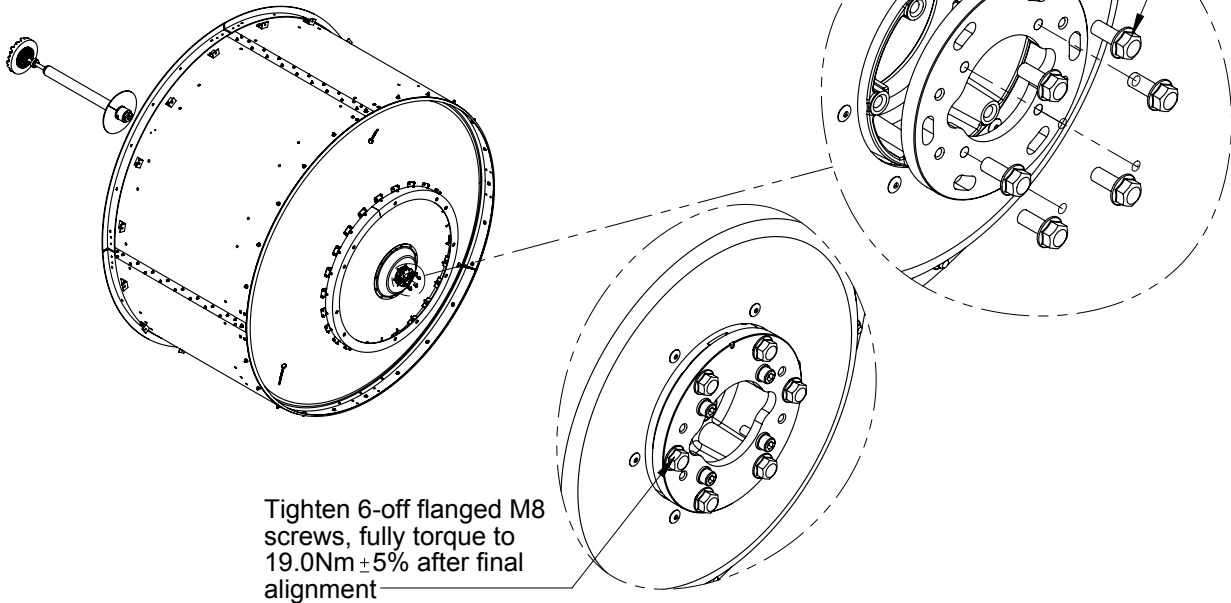
REFER TO SAFETY NOTE ON PAGE 9

Feed Fitting

For 8ft only

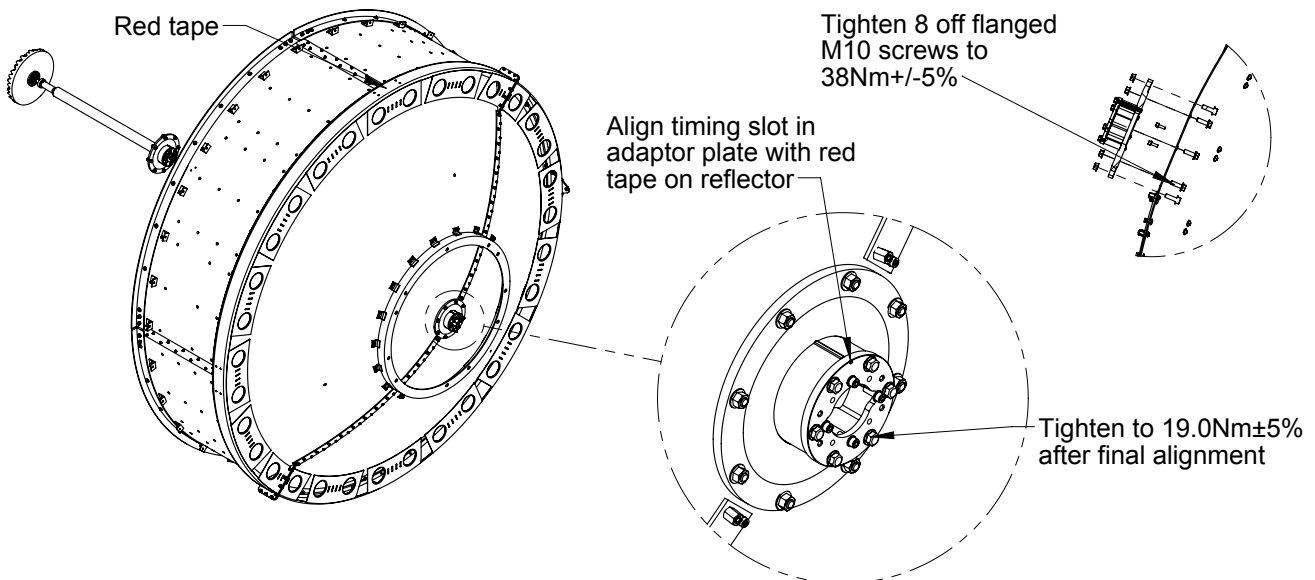
Align timing slot in adaptor plate with notch in hub mounting ring casting

Finger tighten 6-off flanged M8 screws



Tighten 6-off flanged M8 screws, fully torque to $19.0\text{Nm} \pm 5\%$ after final alignment

For 10ft/12ft only

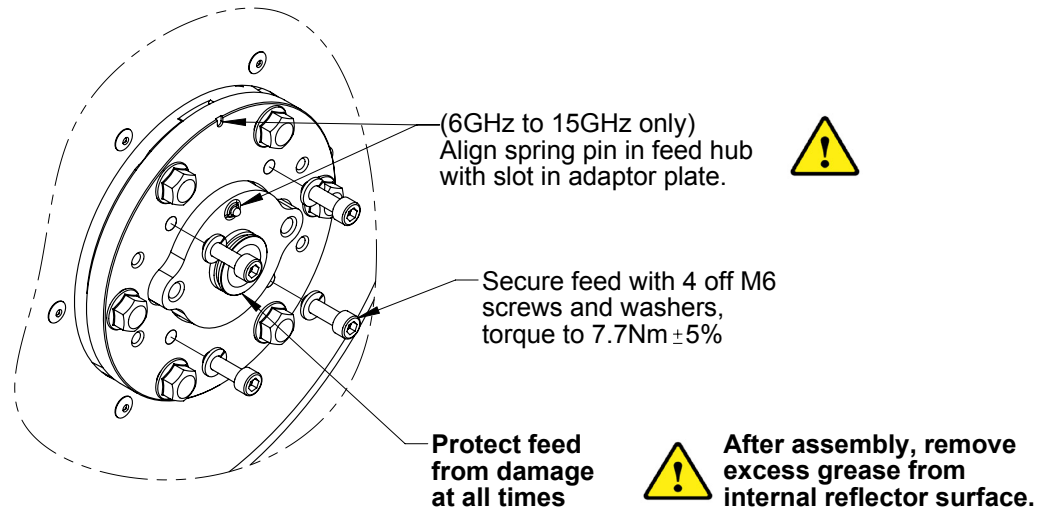


Red tape

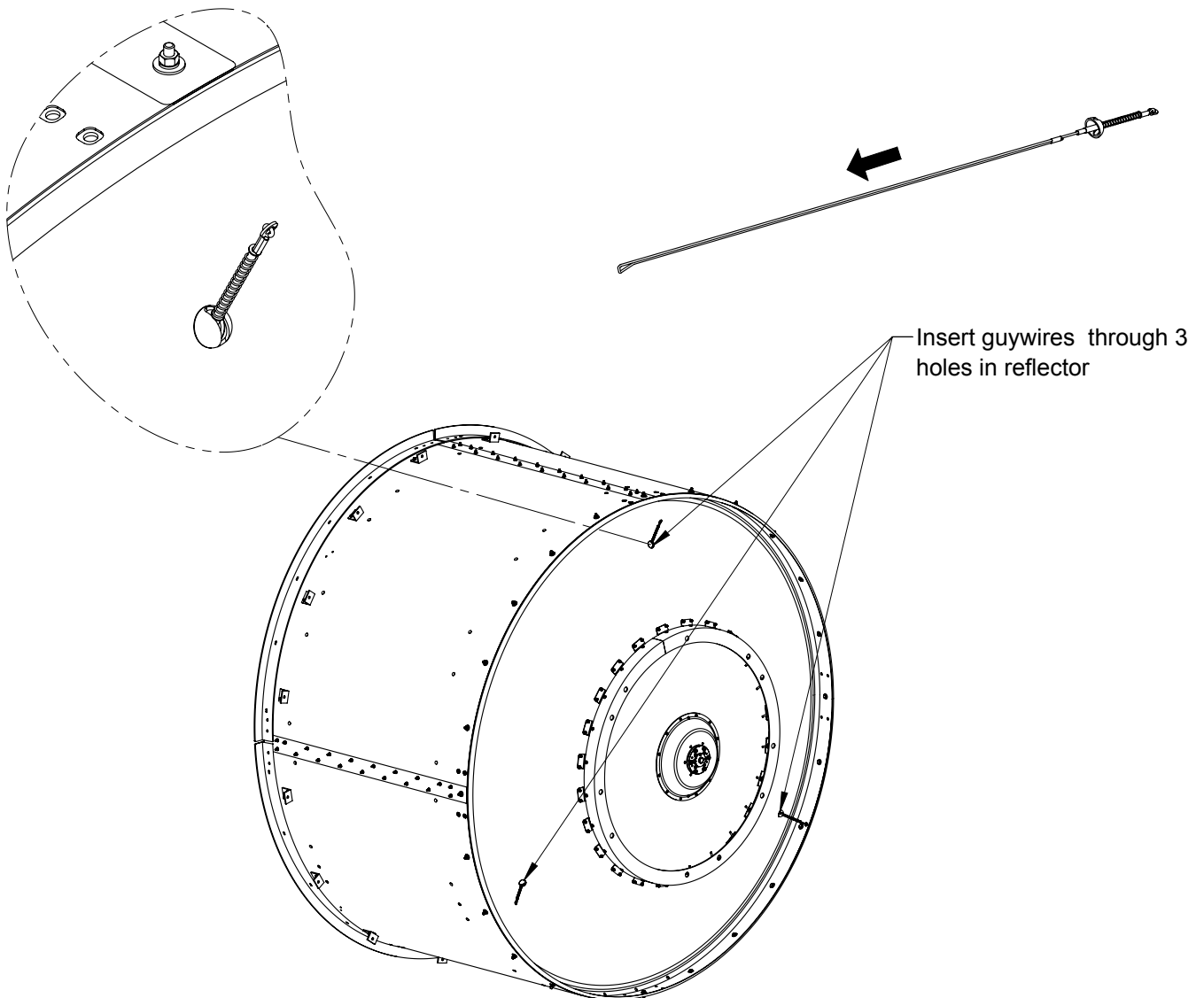
Tighten 8 off flanged M10 screws to $38\text{Nm} \pm 5\%$

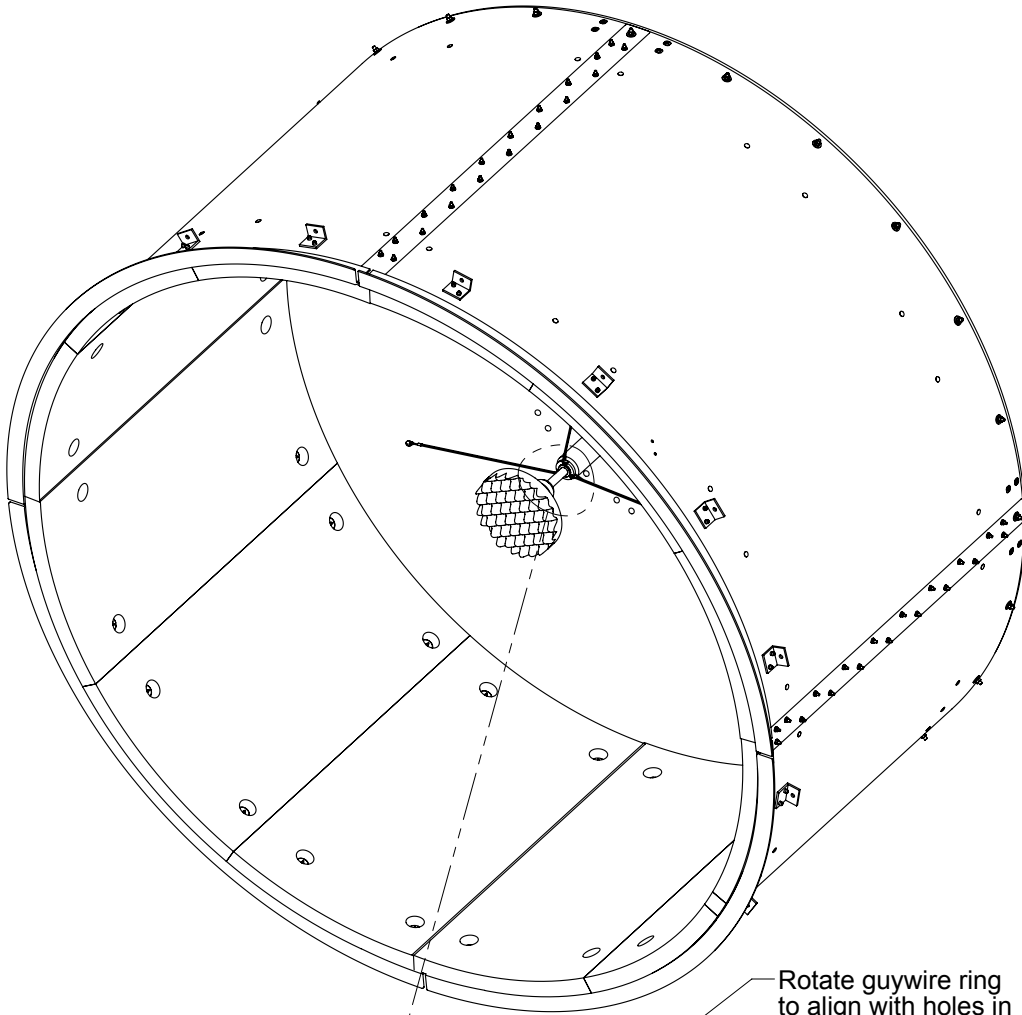
Align timing slot in adaptor plate with red tape on reflector

Tighten to $19.0\text{Nm} \pm 5\%$ after final alignment

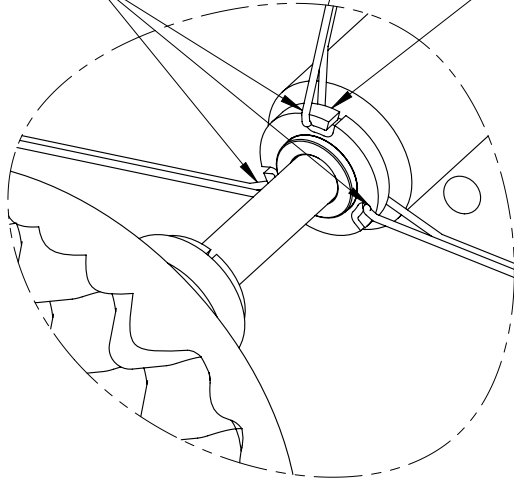


Guywire Fitting





Insert guywires into slots and locate in grooves



Rotate guywire ring to align with holes in reflector

