

Installation Instructions

Next Gen Strut Assembly



Bulletin 102340 page 1 of 4

Phase 3

Version 05 Status RT Rev G

Model Version 02 Status RW Rev C

Andrew Institute offers installation training.

Description

Strut assemblies are provided to increase rigidity to the antenna installation.



Main Hazards – Health Effects

Eyes: May cause irritation.

Inhalation: Viscous nature may block breathing passages if inhaled.

Ingestion: May cause diarrhoea.

Skin: For hypersensitive persons, may irritate the skin after long periods of contact.

Respiratory Protection: None needed.

Hand Protection: Protective gloves for hypersensitive persons.

Eye Protection: Glasses, if applied to parts in motion.

Body Protection: Overalls.

Table 2: Fastener and torque specifications

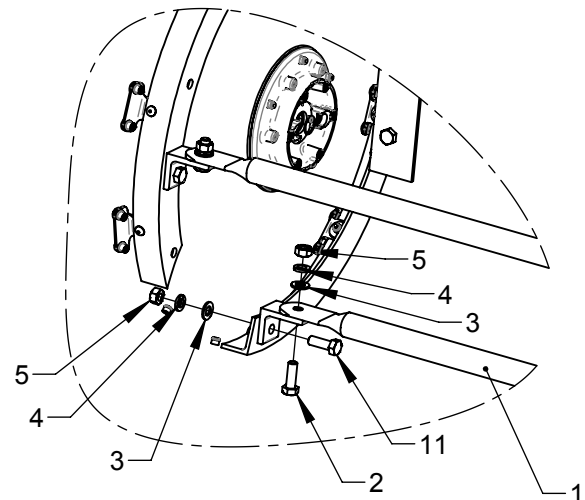
Fastener and torque value in Nm (lb-ft) for each fastener size (unless otherwise stated)

Size	M5	M6	M8	M10	M12	M16
Galvanized	2.7	4.5	11.1	22	38	95
Steel	(2)	(3.3)	(8.1)	(16.2)	(28)	(70.1)

Table 1: Mount parts List

ITEM	DESCRIPTION	QTY
1	STRUT	1
2	HEX HD SCREW M12x35, GALV	2
3	FLAT WASHER, M12, GALV	6
4	LOCK WASHER, M12, GALV	3
5	HEX NUT, M12, GALV	8
6	ANGLE BRACKET	1
7	U-BOLT C/W NUTS & WASHERS, GALV	1
8	ANCHOR PLATE	1
9	HEX HD SCREW M16 x 50 GALV	1
10	C'SK HD SCREW M12 x 40 GALV	1
11	HEX HD SCREW M12x45, GALV	1
12	FLAT WASHER, M16, GALV	1
13	LOCK WASHER, M16, GALV	1
14	HEX NUT, M16, GALV	1
15	CLAMP BRACKET	2
16	HEX HD SCREW M12x140, GALV	1
17	SKT C'SK SCREW M12x160, GALV	1

1. FIXING STRUT TO ANTENNA (STANDARD)



Strut to be loosely fitted until alignment is complete then tighten all fixings to a torque of 38Nm

Andrew Solutions

Customer Service 24 hours

U.S.A., Canada, Mexico: 1-800-255-1479
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Phase 3



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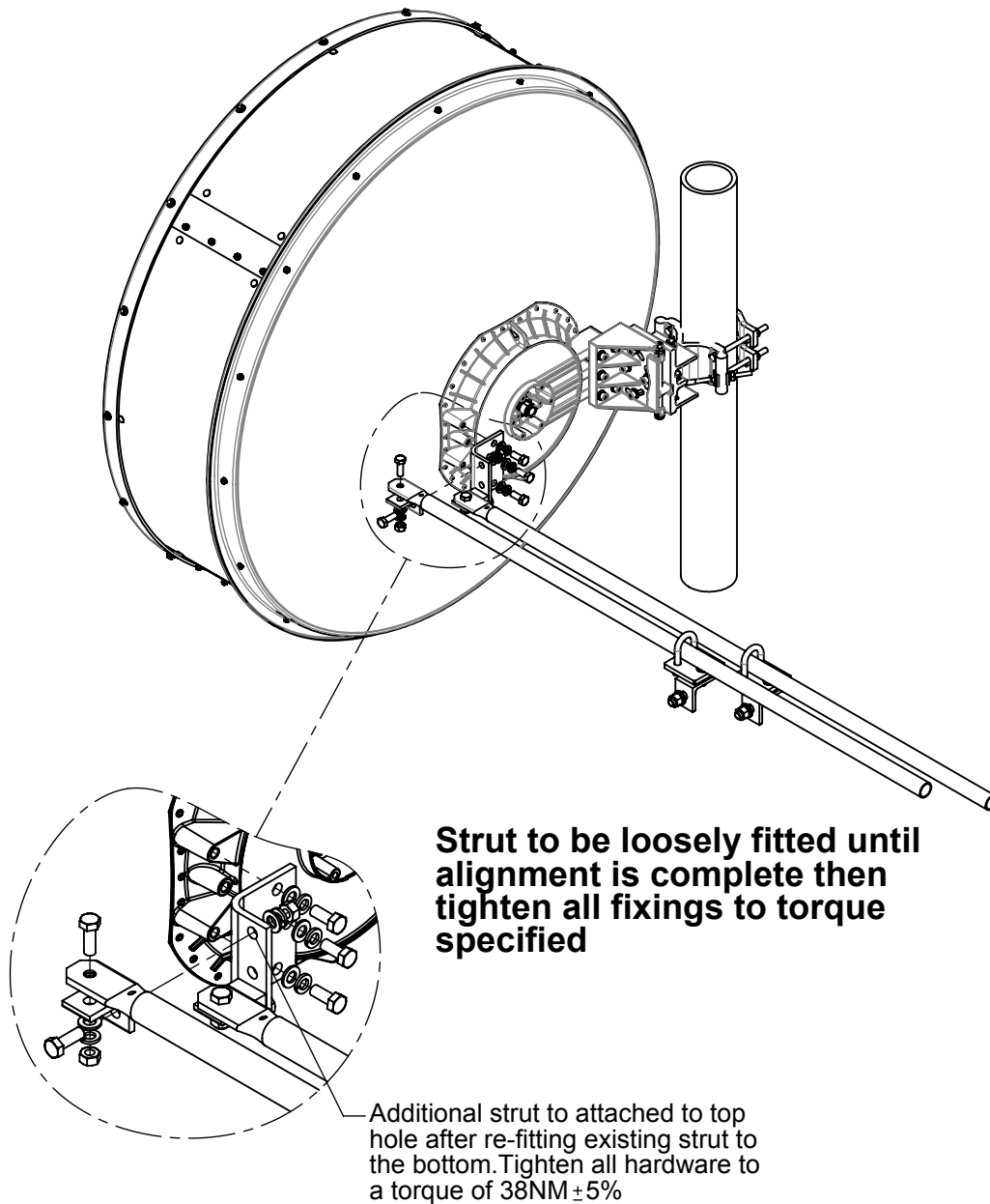
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Version 05 Status RT Rev G

Model Version 02 Status RW Rev C

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2. FIXING STRUT TO ANTENNA (INTEGRATED)



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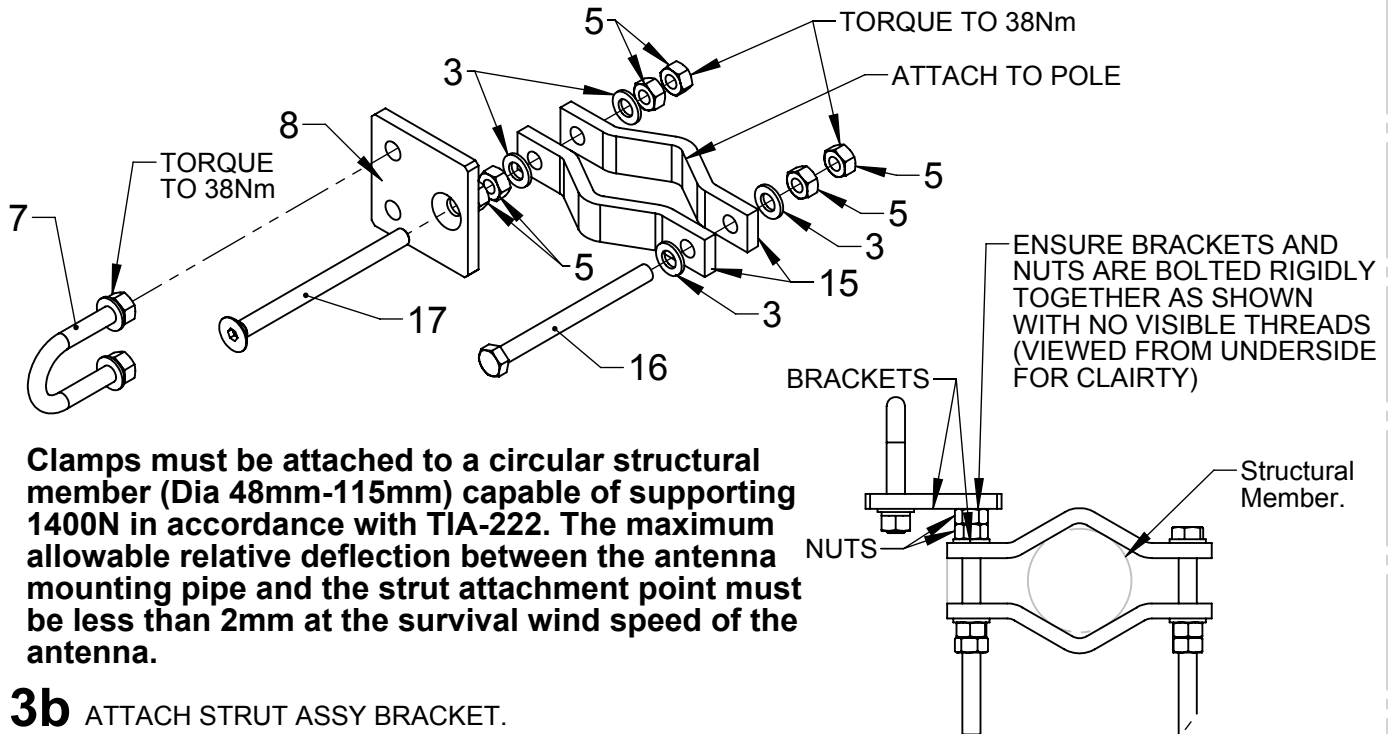
Version 05 StatusRT Rev G

Model Version 02 StatusRWRev C

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3a ATTACH STRUT ASSY BRACKET.

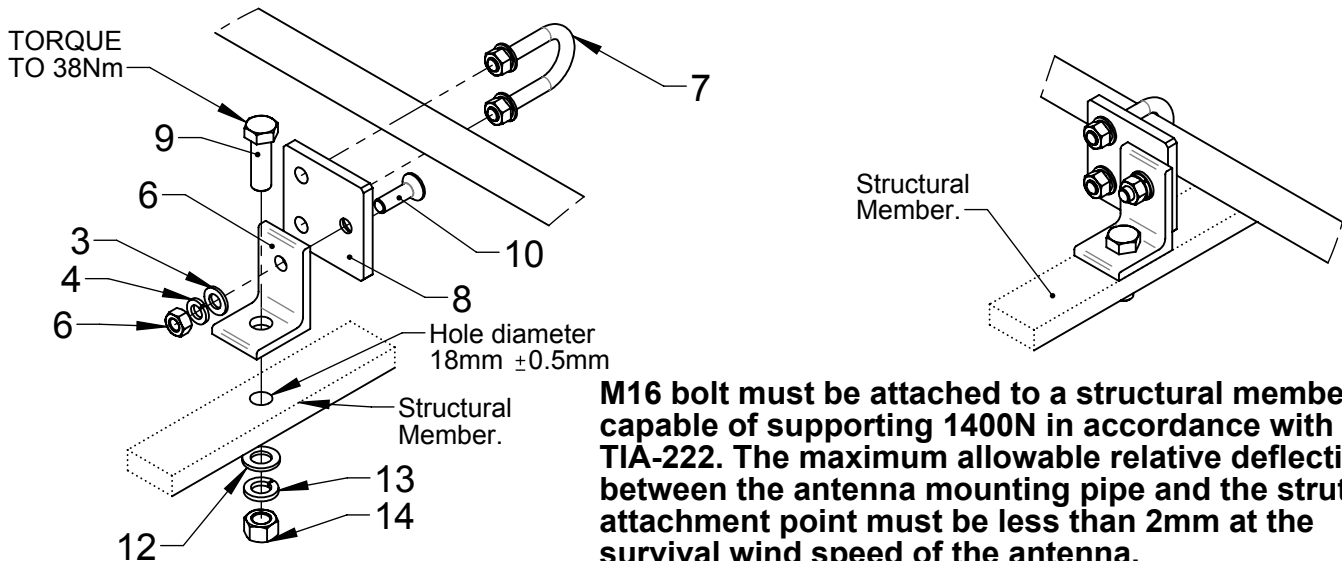
OPTION 1 - FOR ATTACHMENT TO CIRCULAR STRUCTURAL MEMBERS.



Clamps must be attached to a circular structural member (Dia 48mm-115mm) capable of supporting 1400N in accordance with TIA-222. The maximum allowable relative deflection between the antenna mounting pipe and the strut attachment point must be less than 2mm at the survival wind speed of the antenna.

3b ATTACH STRUT ASSY BRACKET.

OPTION 2 - FOR ATTACHMENT TO NON-CIRCULAR STRUCTURAL MEMBERS.



M16 bolt must be attached to a structural member capable of supporting 1400N in accordance with TIA-222. The maximum allowable relative deflection between the antenna mounting pipe and the strut attachment point must be less than 2mm at the survival wind speed of the antenna.

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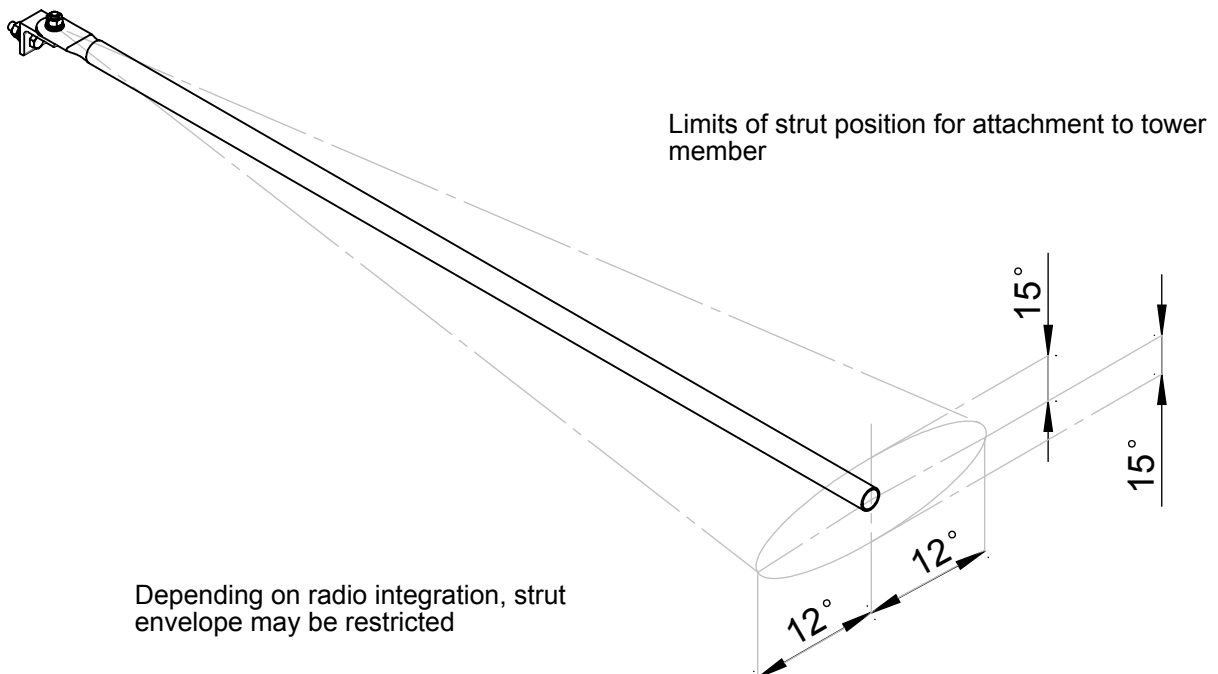
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4. Limits of Strut



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