

## GC48 COLLARED ROOF MAST – INSTALLATION MANUAL

**DO NOT** install this equipment unless you have been instructed in its safe use and operation and have been given permission.



**Never install equipment during storm activity. There is no safe location outdoors during a storm event. If you can hear lightning you are in danger of being struck.**

**Look up and live. You may be killed if the equipment comes in contact with powerlines. Always think ahead and plan your task in advance.**

### PERSONAL PROTECTIVE EQUIPMENT



Gloves recommended.







Sturdy, enclosed footwear to be worn at all times.





Personal Fall Arrest System (PFAS) required for at-heights installation. Qualified personnel only.

### GENERAL SAFETY REQUIREMENTS

#### DO

-  Check workspaces and surrounding area to ensure no slip/trip hazards are present.
-  Check installation area for obstructions and electrical cables.
-  Ensure underlying roof structure is firm. If in doubt have an engineer inspect.
-  Ensure correct weatherproofing process is followed.

#### DON'T

-  Do not install near powerlines.
-  Do not install during a storm event.

COMPLETED INSTALLATION



## INSTALLATION PROCEDURE

This procedure covers steps required to install the GC48 series collared roof mast onto an ordinary pitched metal roof.

### Step 1.

Unload and check supplied materials. Package should include;

- 1x 48.3 mm O/D galvanised pipe
- 1x pipe foot plate, with M10 bolt + nylock
- 2x 26.9 mm O/D galvanised stay bars
- 2x stay bar foot plate with M10 bolt + nylock
- 2x 60.3 mm O/D galvanised collars with M12 locking bolt, M10 bolt + nylock

You will need:

- Drill
- Spirit level
- 18 mm spanner (M12)
- 2x 16 mm spanners (M10)
- Weatherproofing silicone
- Additional roof screws as necessary



Step 2.

Identify installation position for pipe foot plate and remove existing roof screws. Apply weatherproofing as required.



Step 3.

Position pipe base plate and replace roof screws. Secure with additional roof screws if necessary



Step 4.

Remove M10 bolt from base plate and insert 48 mm pipe vertically. Tighten using two 16 mm spanners.



Step 5.

Slide both stay bar collars over mast. Finger tighten collar locking bolt on one or both collars in their estimated position.  
*Hint: On a pitched roof the lower stay bar collar will attach to the stay bar on the slope. In this example we've left the bottom stay bar loose for now.*



Step 6.

Remove M10 bolt from collars and attach stay bars. Align stay bar to 45° and position stay bar base plate over nearest roof screws.





Step 7.

Install both stay bar base plates by removing roof screws, weatherproofing, and reattaching.



Step 8.

Attach stay bar onto base plate and tighten M10 nylock until firm. Tighten M10 bolt on collar until moderately firm.



Step 9.

Use spirit level to ensure mast is level on both axis. Tighten M12 locking bolts with 18 mm spanner.



Step 10. – FINAL STEP

Perform final tightening of all bolts. Complete weatherproofing process on all penetrations.



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