APAC Infrastructure Pty Ltd
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APAC GC48 Collared Roof Mast, 48mm Pole, 2m

AP-RM-GC48-2



Key Features

- Galvanised 48 mm (OD) pole, various heights
- Constructed for minimal deflection
- Up to 40 kg static load
- Sliding collared design with 3x heavy duty stainless foot plates
- Wind Region D Certified
- Klip-Lok Feet Available

Overview

APAC's range of galvanised steel roof masts have been developed to satisfy the need for a durable, low deflection mounting platform that resists even the most intense of weather conditions. These simple roof masts can be used for any pole-mounted device under the sun; microwave dishes, weather monitoring, CCTV, solar panels, radio transmitters, data acquisition, starlink, GPS, and surveying equipment.

The GC48 series' collared design incorporates two sliding collars allowing stay bars to be attached to the centre mast without invalidating engineering certification by drilling new holes to vary the stay bar pitch angle. This design is safe, fast, and heavy duty, and is available in a range of different heights. The footplate has a hinged design allowing pitch compensation for standard corrugated iron and tin roofs.

Sub-6 GHz microwave transmission requires strict tolerances with respect to deflection and rotation, and the large dish size associated with the lower frequency operation can add significant wind load. 48 mm roof masts are essential for reliable operation of point to point / multipoint wireless transmission in any weather condition. For 6 to 80 GHz licensed-band microwave transmission we recommend the GC76 76 mm roof mast.

Designed and built by APAC in the Sunshine Coast, Australia, you can expect uncompromising standards and a robust, real-world tested mast that will provide the peace of mind that it will perform it's intended role for many years to come. If you have specific requirements our team are able to re-design the mast to suit.

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Specification

Parameter	AP-RM-GC48-2
Physical Specifications	
System	**GC48**
Subtype	**Mounts**
Height (Nominal)	**2 m**
Materials	**Steel**
Material Finish	**Galvanised Coating**
Weight	**18.4 kg**
Max. Payload	**40 kg**
Wind Survival	**66 m/s**
Installation	**Roof Mounted**
Mounting	**Screw / Bolt**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
6	Screw / Bolt	Attaches to metal roof using standard roof screws

Payload Interfaces

Quantity	Interfaces	Notes
1	Pole 48 mm ⌀	For equipment/brackets
1	Pole Spigot, 48 mm ⌀ OD	For headframes

Subcomponents

Quantity	Item	Materials	Material Finish
1	2.0 m Centre Pole, 48.3 O/D x 2.90 mm CHS Pipe	Steel Hollow Section AS 1163-C350LO	Galvanised Coating
2	1.6 m Stay Bar, 33.7 O/D x 2.60 mm CHS Pipe	Steel Hollow Section AS 1163-C350LO	Galvanised Coating
2	Stay Bar Foot Plate, with M10 Nyloc Nut	Stainless Steel 304	Mill Finish
2	Clamp-Style Stay Bar Collars	Steel	Hot-Dip Galvanised

Quantity	Bundled Components
1	GC48 Centre Foot Base Plate (AP-GC48-CBP)

Variants

APAC GC48 Collared Roof Mast, 48mm Pole, 2m AP-RM-GC48-2 · this datasheet	
APAC GC48 Collared Roof Mast, 48mm Pole, 3m AP-RM-GC48-3	
APAC GC48 Collared Roof Mast for Klip-Lok Roof, 48mm Pole, 2m AP-RM-GC48-2K	
APAC GC48 Collared Roof Mast for Klip-Lok Roof, 48mm Pole, 3m AP-RM-GC48-3K	

Australian designed and manufactured infrastructure for public safety and first response, built on the Sunshine Coast, Queensland. Need a variation on this design? Our team can engineer it to suit your site.

Contact us

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Specifications, dimensions and weights are nominal, correct at the date of issue and subject to change without notice. Images are for illustration and may show optional equipment. Confirm suitability for your site, including wind region and mounting surface, with APAC before ordering, and install in accordance with APAC's instructions and the relevant Australian Standards.

Issued 11 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/gc48-collared-roof-mast-48mm-pole-diameter?v=4

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