APAC Infrastructure Pty Ltd
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GL450 Galvanised Steel Lattice Guyed Tower - 6.3m

AP-GL450-6.3



Key Features

- Engineered tower heights up to 63 m
- 450 mm face width
- 6.3 m transportable sections
- 60 mm diameter legs, solid 20 mm webbing
- Part of the GL450 Ecosystem

Overview

APAC's modular guyed galvanised steel lattice towers are manufactured locally in Queensland in 6.3 metre sections. The GL450 module is a stackable triangular design, to build towers up to 63.45 metres when guyed (10 sections). Unique to APAC GL series, the tower's 20 mm internal webbing is pressed from a single length of 20 mm steel reo, achieving a number of manufacturing efficiencies while maintaining a high degree of structural integrity.

The series' 450 mm face width provides excellent shear and torsional stiffness, necessary for many telecom applications such as microwave and mmWave transmitters. Fully welded and press galvanised steel construction ensures the system can still be delivered at a very low price point, but with minimal maintenance over its working life of 25 years - providing a superior total-cost-of-ownership.

GL450 (Galvanised-Laser, 450 mm face width) towers are a triangle-based (three-leg) self-supporting design, selected for its low production cost, short leadtime, and maximum durability in the extreme weather conditions our country faces. The tower can be manufactured in a galvanised finish, or supplied painted in aircraft colouring, or high visibility for mining applications.

GL450 is a hard-wearing tower system designed for economy and survivability. With a low deflection design, the tower can support heavy loading of ancillaries and supports two simultaneous climbers.

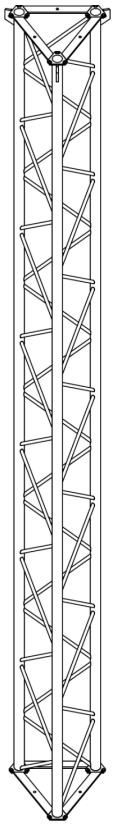
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Specification

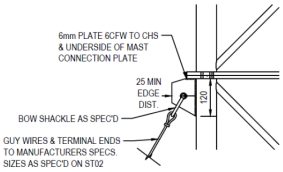
Parameter	AP-GL450-6.3
Physical Specifications	
System	**GL450**
Subtype	**Erexures**
Height (Nominal)	**6.3 m**
Materials	**Steel**
Material Finish	**Hot-Dip Galvanised**
Weight	**250 kg**
Installation	**Ground Mounted** **Platform / Substructure**
Interfaces	
Installation / Attachment	**Quantity** | **Mounting** | **Notes** 1 | S600 Bolt Pattern | Bolt pattern suit Surefoot S600 or anchor bolts
Payload Interfaces	**Quantity** | **Interfaces** | **Notes** 3 | Pole 60 mm ⌀ | For attaching ordinary equipment 1 | GL450 Bolt Pattern | For attaching GL450 specific headframes, anti-climb and additional modules 1 | GL450 Triangular Uprights | For attaching GL450 specific frames

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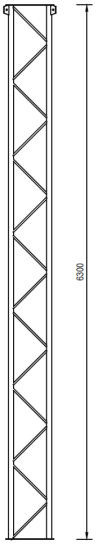
Drawing



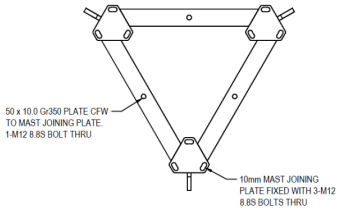
TYPICAL MAST
SCALE 1:20 @ A3



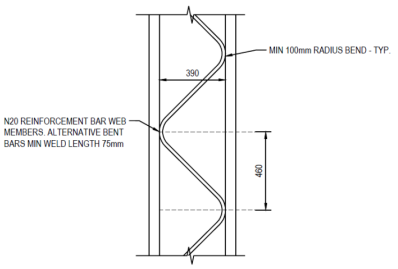
GUY CONNECTION
SCALE 1:10 @ A3



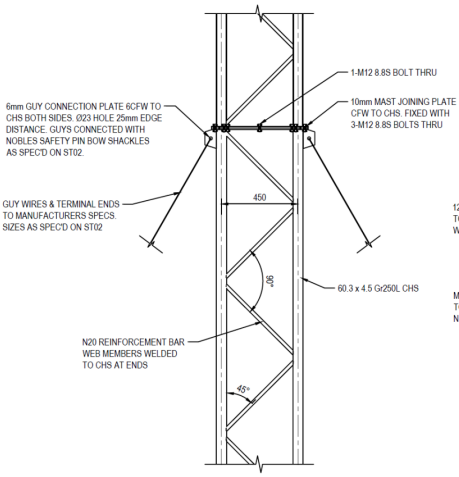
MAST ELEVATION
SCALE 1:40 @ A3



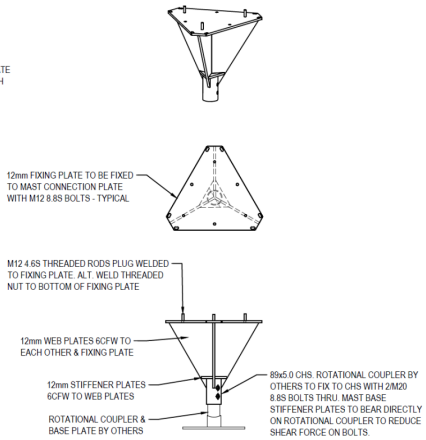
MAST CONNECTION PLATE
SCALE 1:10 @ A3



ALT. WEB DETAIL
SCALE 1:20 @ A3



MAST CONNECTION DETAIL
SCALE 1:20 @ A3



MAST BASE DETAILS
SCALE 1:20 @ A3

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 12 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/gl450-galvanised-steel-lattice-guyed-tower-heights-63m?v=544

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