APAC Infrastructure Pty Ltd
ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

AL220 Aluminium Modular Lattice Tower - Hinged Module

AP-AL220-HM



Key Features

- 3.1m hinged base module for AL220 tripod towers
- Ultra lightweight fully engineered design
- 220 mm wide body
- Low maintenance aluminium construction

Overview

The AL220 Hinged Module is the base section of APAC's AL220 tripod towers. It forms the first 3.1 metre module from which additional 3.1 metre modules are stacked on top to create towers of the required height. In place of a bottom joining plate, each leg stands on a machined aluminium foot, slotted to sit over one of the tripod's hinge tabs and pinned to it with a galvanised M12 bolt, so the tower can be winched up and lowered on its hinge.

APAC's AL220 aluminium lattice modules feature three upright legs made from 40x3 Round Tube with 25x3 Round Tube bracing welded in between by certified boom welders, providing incredible strength while retaining a lightweight design. Each module is chemically cleaned and treated by hand, producing a brilliant finish. AL220 series towers have a nominal 220 mm face width (180 mm centre-to-centre).

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Specification

Parameter	AP-AL220-HM
Physical Specifications	
System	**AL220**
Subtype	**Erexures**
Height (Nominal)	**3.1 m**
Materials	**Aluminium 6005-T5**
Material Finish	**Bright/Pickled Finish**
Weight	**13.8 kg**
Interfaces	
Installation / Attachment	**Quantity**: 3 — **Notes**: Slotted feet pin to the AL220 tripod tower's hinge tabs (M12)
Payload Interfaces	**Quantity** / **Interfaces** / **Notes**: 3 / Pole 40 mm ⌀ / For attaching ordinary equipment 1 / AL220 Bolt Pattern / For attaching additional AL220 series modules/headframes 1 / AL220 Triangular Uprights / For attaching AL220-specific brackets

Subcomponents

Quantity	Item	Materials	Material Finish
1	Welded Assembly, 40x3 mm Tube Uprights on Machined Slotted Feet, 25x3 mm Tube Braces	Aluminium 6005-T5	Bright/Pickled Finish

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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Email sales@apacinfrastructure.com.au
Web apacinfrastructure.com.au
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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 26 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/al220-aluminium-modular-lattice-tower-hinged-module?v=838

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