APAC Infrastructure Pty Ltd
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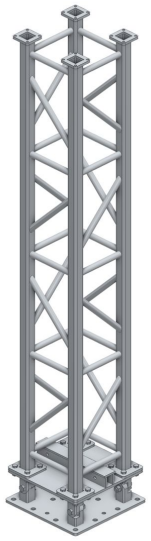
ALS500 Hinged Aluminium Lattice Tower, Free-Standing - 3.1m

AP-ALS500-3.1



Key Features

- Gin-Pole Hinge Erection
- Rigid Stackable Design
- 3.1 to 9.3 m tower heights
- 500 mm wide body
- 3100 mm modular lengths

Overview

APAC's ALS500 modular free-standing aluminium lattice towers are manufactured locally in Queensland in 3.1 metre modules, permitting comfortable handling during transport and assembly. The ALS500 square-based (four-leg) module is a true-stackable design which can be used to build cost effective towers up to 9.3 metres (three sections), and of course much higher with guy-wire/supports.

A supplied gin-pole lever is used to raise the tower into position, and lowering for service. Ordinary free-standing galvanised towers have a tapered design, meaning final design height must be known well in advance of manufacturing, and each tower must be purchased as a single kit. ALS500 towers are designed to be manufactured and shipped as identical modules, arranged to any height as needed.

The towers are ordinarily supplied in a bright acid finish, but can be supplied painted in aircraft colouring, or high visibility for mining applications.

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Specification

Parameter	AP-ALS500-3.1
Physical Specifications	
System	**ALS500**
Subtype	**Erexures**
Height (Nominal)	**3.1 m**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Weight	**152.7 kg**
Installation	**Ground Mounted** **Platform / Substructure**
Mounting	**S600 Bolt Pattern**
Interfaces	
Installation / Attachment	**Quantity** | **Mounting** | **Notes** 1 | S600 Bolt Pattern | Hinging Base Plate attaches to S600 (or suitable bolt cage foundation)
Payload Interfaces	**Quantity** | **Interfaces** | **Notes** 1 | ALS500 Bolt Pattern | For attaching additional ALS500 series modules/headframes

Subcomponents

Quantity	Bundled Components
1	ALS500 Hinged Base Plate & Gin Pole (AP-ALS500-HBP)
1	ALS500 Aluminium Modular Square Lattice Tower - 3.1m Base Module (AP-ALS500-BM)

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Views



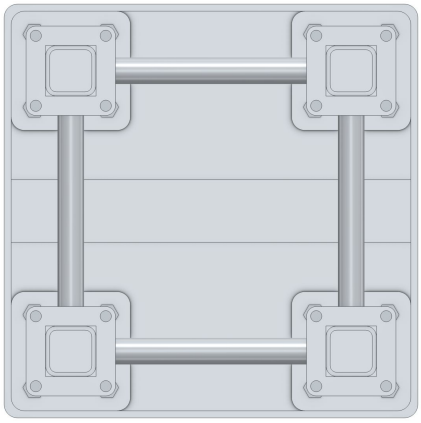
Isometric



Front

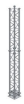


Side



Top

Variants

	ALS500 Hinged Aluminium Lattice Tower, Free-Standing - 3.1m AP-ALS500-3.1 · this datasheet
	ALS500 Hinged Aluminium Lattice Tower, Free-Standing - 6.2m AP-ALS500-6.2
	ALS500 Hinged Aluminium Lattice Tower, Free-Standing - 9.3m AP-ALS500-9.3

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 25 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/mounting-structures/als500-hinged-aluminium-lattice-tower-free-standing-93m?v=763

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