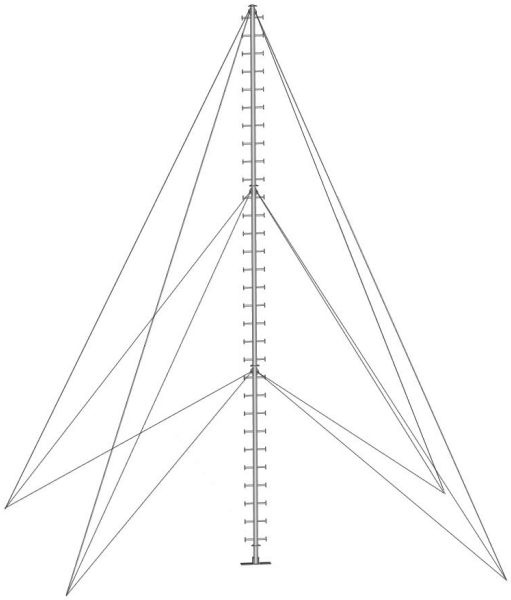
APAC Infrastructure Pty Ltd
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AT90 Modular Climbable Aluminium Guyed Mast, 3m

AP-AT90-3



Key Features

- Stackable modular mast to a height of 12 m
- 90 O/D x 3 mm aluminium monopole
- Roof or ground mounted
- 3000 mm section lengths
- AT90 accessory ecosystem

Overview

APAC manufacture a high strength-to-weight aluminium guyed monopole with foot-pegs to allow climbing to make adjustment to the headload. APAC's AT90 climbable monopoles are perfect for rapid installation as their lightweight, three metre modular design allows transport to even the most remote regions of Australia and can be assembled by a skeleton crew. The mast can also be supplied in high-visibility safety yellow for mining applications or conventional aircraft red-yellow painting.

Each foot-peg is capped with a circular aluminium disc to act as a lanyard attachment point as well as a foot-slip catch. The circular disc is also far safer than some of the sharper foot peg designs which risk injury should a fall occur.

Safety of the climber is our priority - the tower base comprises of a 50 tonne rated, fully machined billet aluminium universal-joint. This universal-joint design allows axis locking to permit safe and easy raising, as well as the components machined from solid structural grade aluminium providing absolute peace of mind of tower integrity. This smart design allows the tower to be lowered in a north, south, east, west configuration, and either assembled on the ground and raised, or constructed modularly from ground up. It is the same multi-axis base shared by our popular AL220 and AL340 lattice towers.

Designed and built by APAC Infrastructure in Sunshine Coast, Queensland, allowing short lead-times as well as full customisation services.

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Specification

Parameter	AP-AT90-3
Physical Specifications	
System	**AT90**
Subtype	**Erexures**
Height (Nominal)	**3.3 m**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Weight	**11 kg**
Installation	**Ground Mounted** **Roof Mounted**
Mounting	**Screw / Bolt**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
4	Screw / Bolt	Attach Multi-Axis Base to Existing Roof Structure
6	Screw / Bolt	Attach Guy Anchor Plates to Roof

Payload Interfaces

Quantity	Interfaces	Notes
1	AT90 Bolt Pattern	For attaching AT90 series headframes
1	Pole 90 mm ⌀	For attaching ordinary equipment

Subcomponents

Quantity	Bundled Components
1	Multi-Axis Billet Base for AL220/AL340 Tower Series (AP-ALT-MAB)
3	Guy Wire Cleat - Single Anchor, Galvanised (AP-FST-GWCSA)
1	AL220 Guy Wire Kit - Galvanised, Suit 3.4m Tower (AP-AL220-GWK-GAL-3.4)

Quantity	Item	Materials	Material Finish
1	AT90 Aluminium Base Module	Aluminium 6005-T5	Bright/Pickled Finish

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Variants

AT90 Modular Climbable Aluminium Guyed Mast, 3m AP-AT90-3 · this datasheet	
AT90 Modular Climbable Aluminium Guyed Mast, 6m AP-AT90-6	
AT90 Modular Climbable Aluminium Guyed Mast, 9m AP-AT90-9	
AT90 Modular Climbable Aluminium Guyed Mast, 12m AP-AT90-12	

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/at90-modular-climbable-aluminium-guyed-mast-123m?v=576

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