

AL500 PORTABLE TRIPOD LATTICE TOWER

AP-TLT-AL500-WR18 TRIPOD TOWER, 18 METRES

OVERVIEW

The AL500 tripod tower is an absolute revolution in portable tower systems. Capable of being built to an unprecedented 21 metre height, the AL500 tripod system allows near-instant height anywhere without the need for geo or soil testing. The bolt-together design means easy shipment to site, and the included winch allows raising and lowering of the tower eliminating the need for tower climbs.

APAC's tripod-base aluminium lattice towers are manufactured locally in Queensland in 3.1 metre sections allowing effortless transport, meaning total leadtime can be measured in days - not weeks or months. As a comparatively lightweight structure the towers can be built in a matter of hours with a small crew and minimal plant. The hinging tripod design is offered built with APAC's AL220, AL340, and now AL500 lattice modules.

This breathtaking 18 metre deployable lattice tower comprises of three ultra-heavy duty galvanised steel outriggers, a 1.3 metre galvanised base, five 3.1 metre lattice sections, guy wires, and your choice of one metre headframe. The system is ideally deployed using three 0.5 to 1 tonne precast concrete blocks as feet, however a range of options are available to match your application.

APAC's aluminium lattice tower features three upright columns made from 76.4x4.7 CHS with 40x3 CHS lattice welded in between by certified boom welders, providing incredible strength while retaining a lightweight design that can support your technician to climb the full tower height. The three hinge feet are machined from 101.6 mm solid billet steel, providing unmatched strength with precision machining ensuring perfectly distributed load across bolts and galvanised receptacle.

Headframes are available to support a range of wind turbines, radars, camera systems, and telecommunications configurations. Torque Arms (anti-twist) available for applications requiring large microwave antennas, or systems with large offsets. Aircraft lighting and grounding systems are also available as optional extras.

FEATURES

- Durable, low deflection design
- Ultra heavy duty galvanised tripod outrigger base
- 4.5 tonne levelling jacks
- 4 hour deployment time
- 18 m total height (15.5 m lattice)
- 500 mm wide body
- 3100 mm section lengths
- Quick, simple winch raising (winch included)



SPECIFICATION

PARAMETER	AP-TLT-AL500-WR18
Extended Height	18.2 m (incl. headframe)
Footprint	11200 mm \varnothing (5200 mm outrigger length)
Approximate Erected Weight	Tower: 196 kg, Base: 380 kg + Ballast Option
Wind Survivability	Dependent on payload configuration, enquire
Lattice Section Length	3100 mm
Lattice Face Width	500 mm
Lattice Material	6005 T5 Aluminium Alloy, 76.4 x 4.7 mm CHS legs, 40 x 3 mm struts
Lattice Finish	Raw, acid finish
Tripod Material	50 x 75 mm, 3 mm wall SHS, AS 1163-C350L0
Tripod Finish	Hot dipped galvanised, Duragal to AS 4792
Outrigger Levelling Jacks	3 x 4500 kg, 3 x 2000 kg
Guy Wires	6 mm, 7x19 strand, Galvanised Steel
Winch System	Comeup CWL-301 Electric, Remote Controlled. Options Available.



CWL-301 Electric Winch

