APAC Infrastructure Pty Ltd
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AT90 Series Aluminium Tower Headframe, 4-Sector

AP-AT90-HF4



Key Features

- Four 900 mm uprights at 0°, 90°, 180°, 270°
- Spaced 350 mm from the centre mast (customisable)
- Exceptional strength-weight ratio
- Part of the AT90 Ecosystem

Overview

APAC's AT90 headframes are designed to attach to the top of any AT90 series guyed mast. This four sector headframe mounts to a standard AT90 bolt pattern with the supplied bolt kit. It has an AT90 bolt pattern at the top of the headframe allowing attachment of additional AT90 series accessories.

Each vertical mount is constructed from 50 mm diameter aluminium and secured to a 90 mm centre column via two 32 mm diameter tubes to provide a high degree of rigidity and minimal deflection/torquing. Additional strengthening can be added to match your intended application.

Four-Sector headframes earned their name from traditional wireless network deployment which used an ABAB frequency configuration, such that radios using a shared frequency were placed 180° to each other for maximum isolation. These days, this type of headframe is more commonly used for mounting a broad set of equipment for projects requiring a mixed collection of wireless radios, cameras, RTK antennas, etc.

This headframe is part of the AT90 ecosystem, allowing it to be attached to any AT90 series module using the common bolt pattern.

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Specification

Parameter	AP-AT90-HF4
Physical Specification	
System	**AT90**
Subtype	**Headframe**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Mounting	**AT90 Bolt Pattern**
Dimensions	**350 × 350 × 900 mm**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
1	AT90 Bolt Pattern	Attaches to top of AT90 guyed monopoles

Available Interfaces

Quantity	Interfaces	Notes
4	Pole 50 mm ⌀	Four uprights for attaching ordinary equipment
1	AT90 Bolt Pattern	For attaching additional AT90 accessories

Subcomponents

Quantity	Item	Materials	Material Finish
1	50x3 Tube assembly welded to 90x3 mm Tube via 32x3 Tube braces	Aluminium 6005-T5	Bright/Pickled Finish

Quantity	Bundled Components
3	Hex Bolt, Stainless Steel - M12 Standard Thread (AP-FSS-HXB-M12)
3	Nylock Nut, Stainless Steel - M12 Standard Thread (AP-FSS-NYN-M12)
3	Flat Washer, Stainless Steel - M12 (AP-FSS-FW-M12)

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/bracketry/at90-series-aluminium-tower-headframe-4-sector?v=580

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