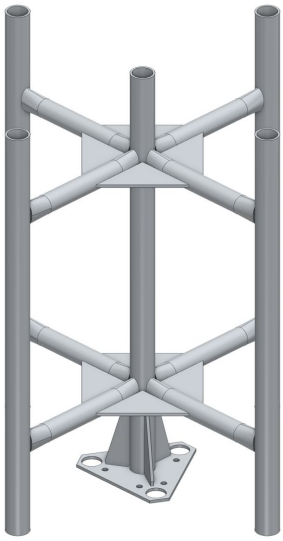
APAC Infrastructure Pty Ltd
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AL220 Series Aluminium Tower Headframe, 4-Sector

AP-AL220-HF4



Key Features

- Four 900 mm uprights at 0°, 90°, 180°, 270°
- Spaced 350 mm from the centre mast
- Exceptional strength-weight ratio
- Part of the AL220 Ecosystem

Overview

APAC's AL220 headframes are designed to attach to the top of any AL220 series lattice tower. This four sector headframe mounts to a standard AL220 bolt pattern with the supplied bolt kit. A central tube provides a fifth mounting upright.

Each vertical mount is constructed from 50 mm diameter aluminium and fully welded to a 50 mm centre column via two 40 mm diameter braces, with 6 mm gussets between neighbouring arms, to provide a high degree of rigidity and minimal deflection/torquing. Each mount is offset 350 mm from the centre tube.

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 AL220 ecosystem, allowing it to be attached to any AL220 series module using the common bolt pattern.

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Specification

Parameter	AP-AL220-HF4
Physical Specification	
System	**AL220**
Subtype	**Headframe**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Mounting	**AL220 Bolt Pattern**
Dimensions	**750 × 750 × 906 mm**
Weight	**11 kg**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
1	AL220 Bolt Pattern	Attaches to an AL220 tower module

Available Interfaces

Quantity	Interfaces	Notes
5	Pole 50 mm ⌀	For attaching ordinary equipment
5	Pole Spigot, 50 mm ⌀ OD	For slotting additional equipment over the top of the spigot

Subcomponents

Quantity	Item	Materials	Material Finish
1	50x4 Tube welded to 6 mm Flat Bar via 40x3 Tube braces and 6 mm Gussets	Aluminium 6005-T5	Bright/Pickled Finish

Quantity	Bundled Components
6	Hex Bolt, Stainless Steel - M12 x 35mm Standard Thread (AP-FSS-HXB-M12-35)
6	Nylock Nut, Stainless Steel - M12 Standard Thread (AP-FSS-NYN-M12)
12	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 13 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/bracketry/al220-series-aluminium-tower-headframe-4-sector?v=409

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