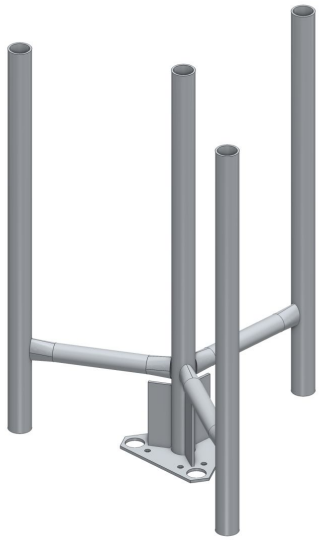
APAC Infrastructure Pty Ltd
ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

AL220 Series Aluminium Tower Headframe, 3-Sector

AP-AL220-HF3



Key Features

- Three 900 mm uprights at 0°, 120°, 240°
- 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 three sector headframe mounts to a standard AL220 bolt pattern with the supplied bolt kit. A central tube provides a fourth mounting upright.

Each vertical mount is constructed from 50 mm diameter aluminium and fully welded to a 50 mm centre column via a 40 mm diameter brace to provide a high degree of rigidity and minimal deflection/torquing. Each mount is offset 350 mm from the centre tube.

Three-sector headframes are popular in Private LTE/5G and wireless network configurations which use 65° sectoral transmitters to enhance capacity and range. These headframes are suitable for mounting a very broad range of equipment, from CCTV cameras, to weather stations, to industrial sensors, and more.

APAC Infrastructure Pty Ltd
ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

Specification

Parameter	AP-AL220-HF3
Physical Specification	
System	**AL220**
Subtype	**Headframe**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Mounting	**AL220 Bolt Pattern**
Dimensions	**656 × 575 × 906 mm**
Weight	**7.3 kg**
Interfaces	

Installation / Attachment

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

Available Interfaces

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

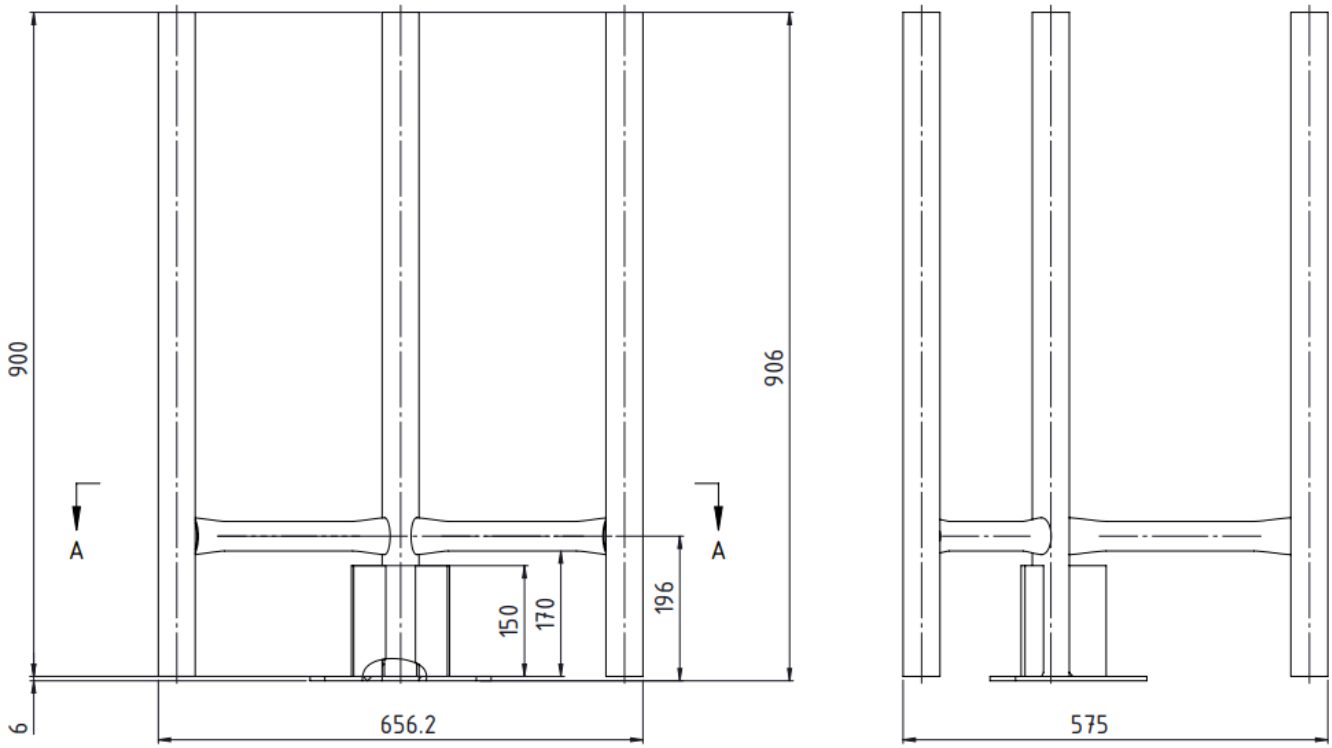
Subcomponents

Quantity	Item	Materials	Material Finish
1	50x4 Tube welded to 6 mm Flat Bar via 40x3 Tube braces	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)

APAC Infrastructure Pty Ltd
ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

Drawing



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

Phone	1300 952 788
Email	sales@apacinfrastructure.com.au
Web	apacinfrastructure.com.au
ABN	43 615 637 235

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/al220-series-aluminium-tower-headframe-3-sector?v=408

© 2026 APAC Infrastructure Pty Ltd. All rights reserved.