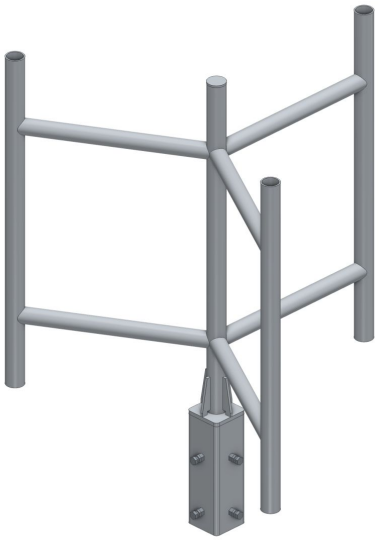
APAC Infrastructure Pty Ltd
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GS89 Steel Mast Headframe, 3-Sector

AP-GS89-HF3



Key Features

- Three 900 mm uprights at 0°, 120°, 240°
- Hot-dip galvanised steel construction
- 100x100 socket with tap bolt securing
- Part of the GS89 ecosystem

Overview

APAC's GS89 galvanised steel headframes are designed to slip over the top of any GS89 series mast. The 100x100 socket secures over the 89 x 89 mm mast with the supplied 4x M12 tap bolts. The term spigot, tenon, and single-tube headframe are used interchangeably.

Constructed from a 900 mm (0.9 metre) length of 48.3x2.9 mm Circular Hollow Section welded to a 100x100 SHS socket, three arms protrude 500 mm at 0, 120, and 240 degree angles. The central column is capped to prevent water ingress.

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 triple the masthead real estate and mount a very broad range of equipment - CCTV cameras, environmental monitoring, weather stations, industrial sensors, etc.

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Specification

Parameter	AP-GS89-HF3
Physical Specification	
System	**GS89**
Subtype	**Headframe**
Materials	**Steel**
Material Finish	**Hot-Dip Galvanised**
Mounting	**GS89 Socket (100x100)**
Dimensions	**914 × 798 × 1,215 mm**
Weight	**26.2 kg**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
1	GS89 Socket (100x100)	Mounts over a GS89 spigot

Available Interfaces

Quantity	Interfaces	Notes
3	Pole 48 mm ⌀	For clamping ordinary equipment
4	Pole Spigot, 48 mm ⌀ OD	For attaching equipment over the top of the pole

Subcomponents

Quantity	Item	Materials	Material Finish
1	Fully welded assembly	Steel	Hot-Dip Galvanised

Quantity	Bundled Components
4	Hex Bolt, Hot-Dip Galvanised 8.8 - M12 x 30mm Standard Thread (AP-FST-HXB-HDM12-30)
4	Hex Nut, Hot-Dip Galvanised Class 8 - M12 Standard Thread (AP-FST-HXN-HDM12)

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/gs89-steel-mast-headframe-3-sector?v=622

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