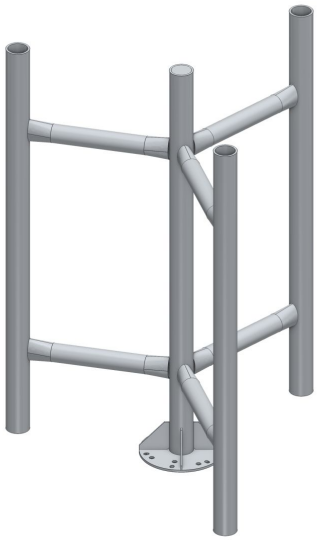
APAC Infrastructure Pty Ltd
ABN: 43 615 637 235
1300 952 788
sales@apacinfrastructure.com.au

RM-Series Retractable Mast Headframe, 3-Sector

AP-RM-HF3



Key Features

- Three 900 mm uprights at 0°, 120°, 240°
- Spaced 350 mm from the centre mast
- Fits the RM mast top and the RM rotator
- Stainless fixings
- Part of the RM Ecosystem

Overview

This is a three-sector headframe designed specifically for the APAC RM Winch-Up Mast series' bolt pattern, and bolt pattern of the series' Electric Rotator. It has holes drilled for two bolt patterns, ensuring compatibility with and without the rotator being used. The headframe mounts to the rotator with the supplied 6x M8 bolts, or to the RM mast with 6x M10 bolts. 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 two 40 mm diameter braces to provide a high degree of rigidity and minimal deflection/torquing. The centre column is secured to the 175 mm round base plate via four gussets. Each mount is offset 350 mm from the centre tube as standard, but customisable to your requirements.

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.

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Specification

Parameter	AP-RM-HF3
Physical Specification	
System	**RM**
Subtype	**Headframe**
Materials	**Aluminium**
Material Finish	**Bright/Pickled Finish**
Mounting	**RM-Series Mast Top Bolt Pattern** **RM-Series Rotator Bolt Pattern**
Dimensions	**656 × 575 × 905 mm**
Weight	**7.7 kg**
Interfaces	

Installation / Attachment

Quantity	Mounting	Notes
1	RM-Series Mast Top Bolt Pattern	Attaches directly to the RM mast head with the supplied 6x M10 bolts
1	RM-Series Rotator Bolt Pattern	Attaches to the top of the RM payload rotator with the supplied 6x M8 bolts

Available Interfaces

Quantity	Interfaces	Notes
4	Pole 50 mm ⌀	For clamping 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 Tubes welded to 5 mm round plate via 40x3 Tube braces	Aluminium	Bright/Pickled Finish

Quantity	Bundled Components
6	Hex Bolt, Stainless Steel - M10 x 30mm Standard Thread (AP-FSS-HXB-M10-30)
6	Nylock Nut, Stainless Steel - M10 Standard Thread (AP-FSS-NYN-M10)
12	Flat Washer, Stainless Steel - M10 (AP-FSS-FW-M10)
6	Hex Bolt, Stainless Steel - M8 x 20mm Standard Thread (AP-FSS-HXB-M8-20)
6	Flat Washer, Stainless Steel - M8 (AP-FSS-FW-M8)
6	Split Lock Washer, Stainless Steel - M8 (AP-FSS-SLW-M8)

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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Web	apacinfrastructure.com.au
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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 25 November 2026. For the latest version of this datasheet, visit https://apacinfrastructure.com.au/product-catalogue/bracketry/rm-series-retractable-mast-headframe-3-sector?v=720

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