

# Product Data Sheet

Rigid Whip

# TETRA UHF

## TETRA Rigid Whip

-  TETRA UHF
-  Public Safety
-  Omni Directional
-  ROHS Compliant
-  Vehicle Mount



## AQB & AQHB

Rigid whip

Removable for carwash

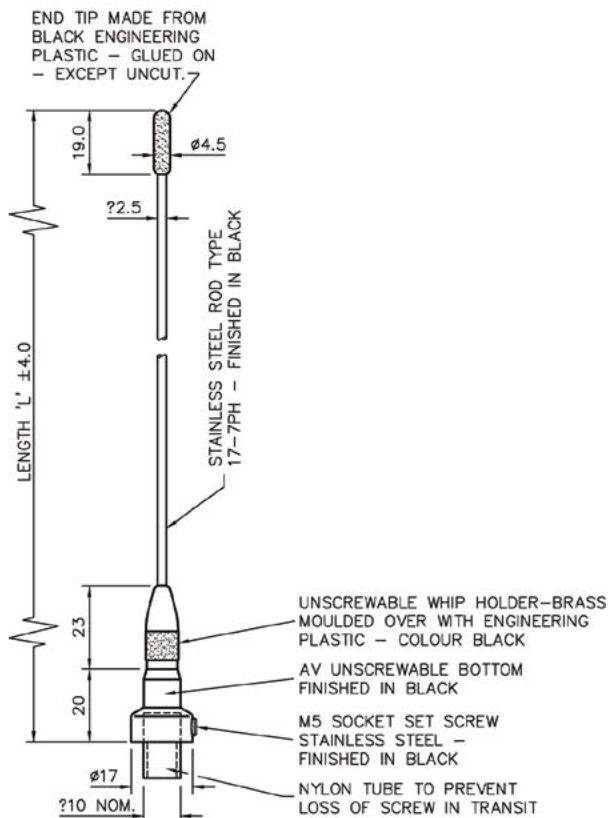
Hinged & non-hinged versions

This antenna features a 17-7 PH stainless steel rod with plated brass components and black nylon moulding. When fitted correctly these antennas will have a typical VSWR of 1.5:1 or less.

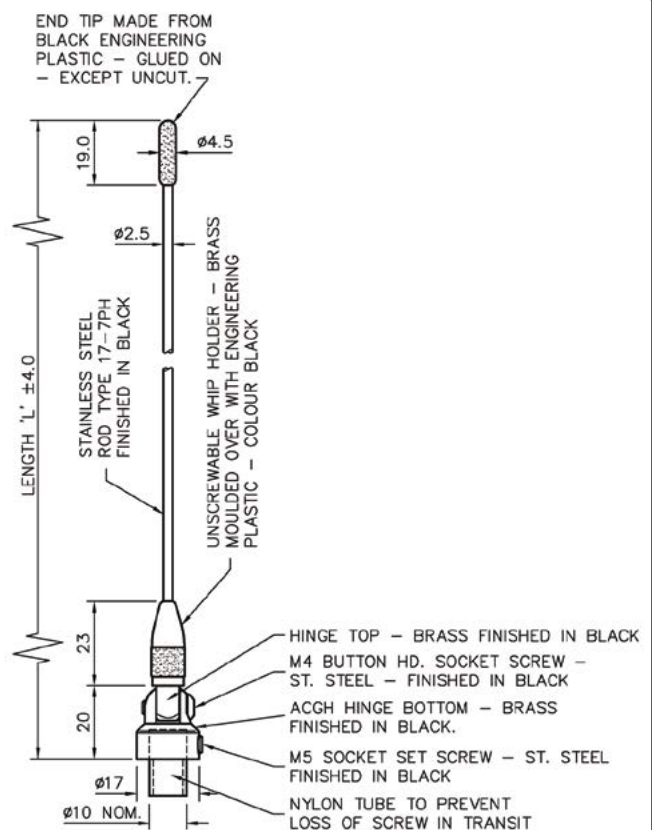
The Panorama mounting system provides a high degree of interchangeability between whips and bases, making them suitable for all applications whether temporary or permanent.

### Technical Drawing

*Non-hinged version*



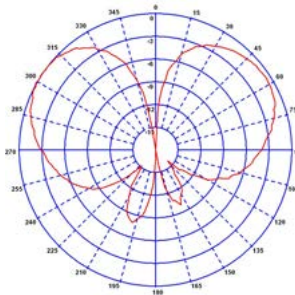
*Hinged version*



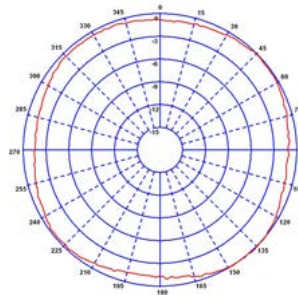
# TETRA UHF

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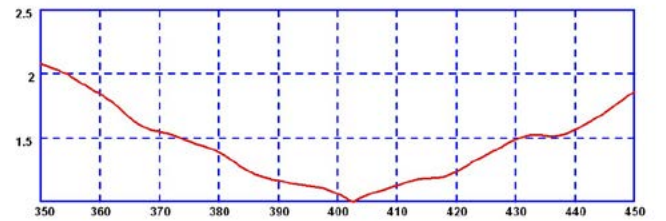
E-Plane (390MHz)



H-Plane (390MHz)



Typical VSWR\*



\*measured on a 1m x 1m groundplane

Part No.					
Non-hinged version	AQB-R1	AQB-R2	AQB-TET	AQB-S4	
Hinged version	AQHB-R1	AQHB-R2	AQHB-TET	AQHB-S4	
Electrical Data					
Frequency Range (MHz)	300-334	350-370	380-430	450-470	
Operational Band	R1	R2	TET	S4	
Gain: Isotropic	2dBi	2dBi	2dBi	2dBi	
Compared to ¼ wave	0dB	0dB	0dB	0dB	
Bandwidth @ 2:1 VSWR	10%	10%	10%	10%	
Polarisation	Vertical	Vertical	Vertical	Vertical	
Pattern	Omni-directional	Omni-directional	Omni-directional	Omni-directional	
Impedance	50Ω	50Ω	50Ω	50Ω	
Max Input Power (W)	50	50	50	50	
Mechanical Data					
Total Height (mm)	236 (9.2")	215 (8.4")	198 (7.7")	172 (6.7")	
Operating Temp (°C)	-40°/+80°C (-40°/+176°F)	-40°/+80°C (-40°/+176°F)	-40°/+80°C (-40°/+176°F)	-40°/+80°C (-40°/+176°F)	
Material	Stainless steel & engineering plastic	Stainless steel & engineering plastic	Stainless steel & engineering plastic	Stainless steel & engineering plastic	
Colour	Black	Black	Black	Black	
Compatible Bases					
M8	Non-hinged version	AQB-R1-M8-5	AQB-R2-M8-5	AQB-TET-M8-5	AQB-S4-M8-5
	Hinged version	AQHB-R1-M8-5	AQHB-R2-M8-5	AQHB-TET-M8-5	AQHB-S4-M8-5
M8A	Non-hinged version	AQB-R1-M8A-5	AQB-R2-M8A-5	AQB-TET-M8A-5	AQB-S4-M8A-5
	Hinged version	AQHB-R1-M8A-5	AQHB-R2-M8A-5	AQHB-TET-M8A-5	AQHB-S4-M8A-5
MMR-5F	Non-hinged version	AQB-R1-MMR-5F	AQB-R2-MMR-5F	AQB-TET-MMR-5F	AQB-S4-MMR-5F
	Hinged version	AQHB-R1-MMR-5F	AQHB-R2-MMR-5F	AQHB-TET-MMR-5F	AQHB-S4-MMR-5F
MBM-5F	Non-hinged version	AQB-R1-MBM-5F	AQB-R2-MBM-5F	AQB-TET-MBM-5F	AQB-S4-MBM-5F
	Hinged version	AQHB-R1-MBM-5F	AQHB-R2-MBM-5F	AQHB-TET-MBM-5F	AQHB-S4-MBM-5F

For the complete list of base connectors see page 34

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