



ZM40 & ZM53

Telescopic 5-piece VHF Half-wave collinear

VHF 40.6 MHz or VHF 53 MHz



The ZM40 and ZM53 telescopic collinears offer an economical and light weight half-wave RF solution for omni-directional low band VHF transmit and receive applications.

The telescopic design allows for reduced transportation costs and minimal storage area requirements when not in use.

Mounting hardware, coaxial feeder cable, connectors and other installation accessories are all available separately.

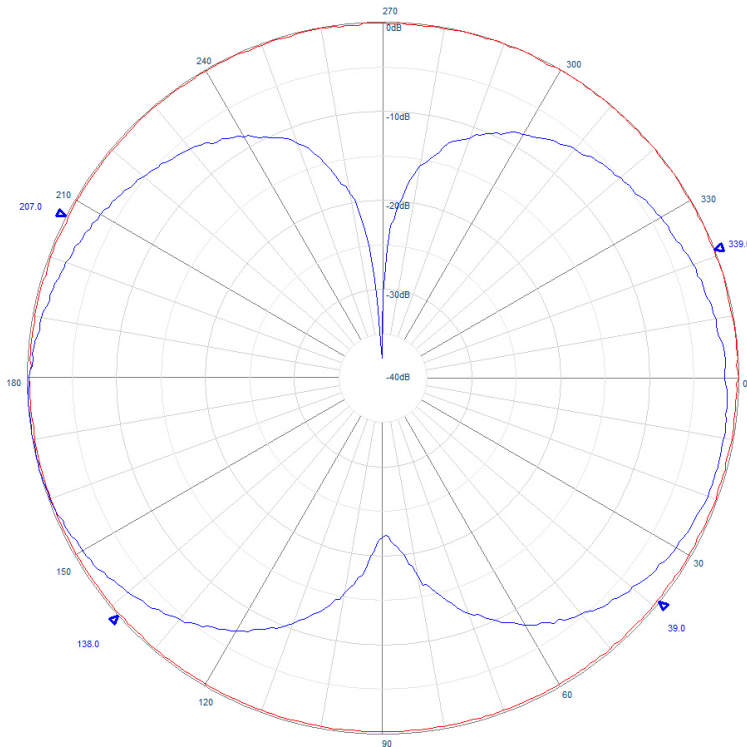
	ZM40	ZM53
Construction	5-piece telescopic anodised aluminium and mount section	
Frequency range	VHF 40.6 MHz	VHF 53 MHz
Bandwidth	250 kHz around set frequency	
Tuning	Factory	
VSWR	<1.5:1	
Gain	0 dBd - unity	
Maximum power	50 Watts	
Impedance	50 Ohms	
Polarisation	Vertical	
H Plane	360° omni-directional	
Connector	N-type female in bottom of mount section	
Height - assembled	3.85 metres	3.65 metres
Height - packed	1.0 metres	1.0 metres
Weight	1.3kg	1.2kg
Mount section	300mm x 38mm	
Wind load at 160kph	6.405kg, 0.063kN	
Mounting hardware order separate	Mast mounting: 2 x EB1-SS or 1 x UB3-SS Wall/side mounting: 2 x NSM-218 or 1 x UB2-SS	
Mounting position recommended	Mount as high on your vessel, structure, mast or tower using the appropriate mouting brackets.	



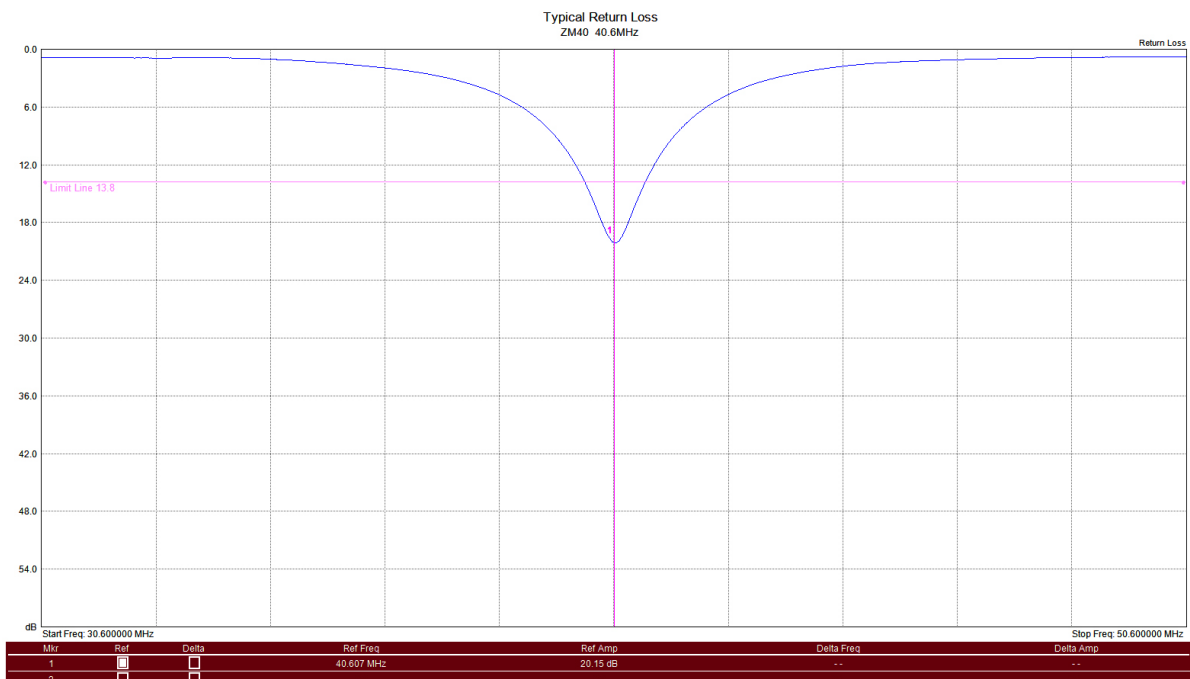


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Example radiation pattern




Typical Return Loss - ZM40



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CFB series - Galvanised steel 'J' hockey stick brackets, 1.1 - 2.1 metres.

Requires mounting screws/ bolts and mounting hardware for antenna



A-2654-2 - Aluminium pole extension 1.1 metres includes pole mounting brackets.

Requires mounting screws/ bolts and mounting hardware for antenna



SFB Series - galvanised steel pole extension 0.9-2.0 metres
Roof or overhang mounting

Requires mounting screws/ bolts and mounting hardware for antenna




NSM-218 - requires 2 Toughened white nylon wall mount

Boom: 38mm capability
13mm mount hole required



EB1-SS - requires 2 304 stainless steel parallel clamp

Boom: 20-40mm capability
Mount pole: 25-45mm capability



UB3-SS
304 stainless steel parallel clamp

Boom: 20-32mm capability
Mount pole: 20-50mm capability



RB8
Galvanised steel steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability



UB2-SS
304 stainless steel steel right-angle clamp

Boom: 20-50mm capability
Mount pole: 20-50mm capability

Suitable feeder coaxial cable and connectors



MIL-SPEC RG213 stranded conductor, solid PE dielectric coaxial cable

P/N 7800


Available in 100m or 300m rolls or alternatively request a custom cable assembly



N-type male crimp connector for MIL-SPEC RG213

P/N 7937

Tri-metal plated



RU400 Solid copper conductor, low loss coaxial cable
CNT-400 / LMR-400™ equivalent
(* times microwave)

P/N 7890

Available in 100m, 300m or 500m rolls or alternatively request a custom cable assembly



N-type male crimp connector for RU400 low loss, solid conductor

P/N 8226

Tri-metal plated