

The revolutionary **NEW** Nexgen 80m H1-Mast

No longer a 'Pipe' dream



The new Nexgen 80m

extremely cost effective and user friendly. We have engineered a robust new design that will enable easier installation, saving you time and money. As with all Nexgen masts no concrete foundations are necessary so only a small footprint is left after decommissioning making them extremely environmentally friendly. The sections are a maximum of 3m in length making them easy to manoeuvre; no plant machinery is required and they can be lifted by two people.

A solid performer

This brand new design from Nexgen is our most robust yet and capable of withstanding extreme conditions.

For a quote, call Emily or David on
01453 759408 or email info@nexgenwind.com

www.nexgenwind.com

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Design Specification

Technical specifications

Mast

Mast Height	80.2m
Guy Wire	7 Guy Sets, Each with 4 guys, 7/7 Galvanised 6mm Wire
Grips	1/4" US Fed Spec FF-C-450, Tightening Torque of 3.5Nm
Tubing Standards	Material: EN10305-3:2010, Coating: Pre-Galv DX51 Z200
Corrosion Protection on other parts	Zinc Electroplating with Clear Passivate, BS 1706:1990
Tube Lengths	254mm OD x 3mm Wall = 2.7m long, 50.0kg 220mm OD x 3mm Wall = 3m long, 48.2kg 200mm OD x 3mm Wall = 3m, 1.5m long, 43.7kg, 21.9kg

Ginpole

Main Ginpole	22.4m long (254mm Dia)
Mini Ginpole	5.8m long (153mm Dia)

Wind loading capabilities

Mast Base	Designed to meet the structural integrity standard 'EN 1993 - Eurocode 3' (10m) 39m/s (87mph)
Mast Top	(80m) 49m/s (109mph)

5mm ice cover

Mast Base	The 80m H1 Mast meets the 'EN 1993 - Eurocode 3' standard in the following wind and ice conditions. 5mm ice cover evenly over the mast and guys (10m) 26.5 m/s (59 mph)
Mast Top	(80m) 33.3 m/s (74.5 mph) During no wind these masts can withstand up to 21mm all over ice. Ask for a FAQ sheet with full ice and guy load information

Anchor loads & positioning

Inner Anchor Load	To avoid problems, we recommend a site visit be carried out before installation to assess the best anchoring positions. We supply sufficient guy wire to enable the lower guy sets anchored at the specified radius or any intermediate to 45m if the site conditions require it. A reasonably level site is assumed when determining guy wire length. Ask for FAQ sheet if mounting on slopes. Loads shown below are without ice. 1450kg (Sets 1, 2, 3)
Inner Anchor Radius	35m
Outer Anchor Load	3900kg (Sets 4, 5, 6, 7)
Outer Anchor Radius	50m
Baseplate Load	10,000kg
Lifting Anchor Load	4200kg (bare mast)

Crate dimensions & weights

311 x 121 x 103 @ 1465KG
311 x 106 x 112 @ 980KG