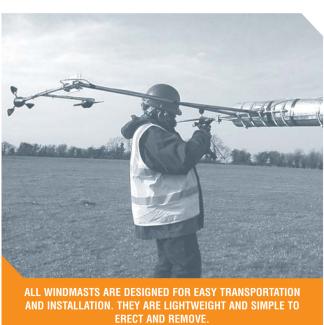
30, 40 & 50m WindMast









Nexgen is Europe's leading designer, manufacturer and supplier of wind monitoring masts.

Innovative Design

The superior design of the WindMast class guarantees ease of assembly on site. Minimal effort is required to erect, thanks to a straightfoward tilt-up system.

Specifically designed with remote monitoring in mind, our Windmasts have survived simulated wind tests of up to 200mph.

Lightweight components mean the masts can be transported in sections, making them easy to carry and avoiding the need for heavy vehicles.

Fast installation times prove a great advantage in adverse conditions and with delivery right to your door anywhere in Europe we make your job as easy as possible.

Leaves Only Footprints

Once installed, our WindMast enables accurate wind monitoring at the required height with minimal visual impact.

No concrete is needed for installation, and our WindMasts can be easily lowered and removed without trace, leaving only footprints at the end of the project.

Down-to-earth

Our WindMast is assembled at ground level, so there's no need for specialist equipment for working at heights. All the instruments you need can be fitted and tested prior to erecting the mast.

And it's just as easy to install. Only a hand winch is required to tilt the WindMast skywards. The main mast is pulled vertical using a ginpole, hinged at the baseplate by a heavily reinforced pivot.

With competing systems, erecting and lowering the main ginpole can often be difficult and hazardous. Our WindMast employs a "mini" ginpole to lift the main ginpole off the ground, ensuring safety and ease of handling for everyone on site.

It's this ease of assembly allied with superior quality that's made our WindMast class the preferred choice of many engineers around the world.

To complete the picture, check out our full range of ancillary equipment available for the WindMast - from booms, sensors and loggers to lightning protection.

30, 40 & 50m WindMast Design Specification

	SPECIFICATIONS 30m	4 0 m	5 0 m
	00111	40 III	00111
Mast		1	1
-	30.8m nominal +0.2/-0.2m		
Guy Wire:	4 guy sets, each with 4 guys		
	7/19 5mm RHRL galvanised wire.	7/19 5mm RHRL galvanised wire.	7/19 5mm RHRL galvanised wire.
	Ultimate load is 1660kg (test certified)	Ultimate load is 1660kg (test certified)	
	DIN 1142, tightening torque of 2Nm		
-	150mm tubing to EN 10219-2	_	
•	:Hot-dip BS EN1461:1999	·	· ·
	3000mm (28kg) and 1500mm (14kg)		
ube OD:	Approx 155mm	Approx 155mm	<mark>.</mark> Approx 155mm
inpole			
•	g a pivotal ginpole, which is itself erected by a fix venient location.	xed mini-ginpole. The main ginpole is fitted wi	th restraining wires which enable the winchir
innole Lenath	7.3m +0/-0.1m	10.3m ±0/-0.1m	13 1m ±0/-0 1m
	3m (114mm diameter)		
	, , , , , , , , , , , , , , , , , , , ,	om (114mm damotor)	
WIND LOAD	ING CAPABILITIES 30 m	4 0 m	5 0 m
esigned to meet the stru	uctural integrity standard BS5950:1990 for IEC V	Vind Class One site conditions	
last Base (10m):	10m: 81m/sec (181mph)	10m: 65m/sec (145mph)	
, ,	30m: 95m/sec (213mph)		` ' '
	1 2 2		
ICING COND	30 m	4 0 m	5 0 m
00 40 150 01			
	s One WindMasts meet BS5950 standards in the		
	<mark> 10m:</mark> 52m/sec (116mph)		
	30m: 61m/sec (136mph)		
ase Load:	30m: 4599kg	. <mark>.</mark> 4 0 m: 9000kg	<mark>50m:</mark> 9100kg
uring no wind these ma	sts can withstand up to 30mm all-over ice. Ask t	for FAQ sheet for full icing and guy load inform	nation.
ANCHOR LO	ADS & POSITIONING		
	3 0 m	4 0 m	5 0 m
nere could be problems le supply sufficient guy 0 and 40m WindMas 0m WindMast: The tw		f the site has not been visited and assessed be us or any intermediate to 33m if the site conditi radius or any intermediate to 35m if the site co	fore installation. ons require it. Inditions require it.
nere could be problems le supply sufficient guy D and 40m WindMas Dm WindMast: The tw reasonably level site is	when trying to accurately position the anchors i wire for the anchorage of our WindMasts: ts: Guy sets anchored at the specified 25m radiu o lower guy sets anchored at the specified 20m	f the site has not been visited and assessed be us or any intermediate to 33m if the site conditi radius or any intermediate to 35m if the site co k for FAQ sheet if mounting on slopes. Loads w	fore installation. ions require it. Inditions require it. Without ice.
nere could be problems /e supply sufficient guy O and 40m WindMas Om WindMast: The tw reasonably level site is uner Anchor Load:	when trying to accurately position the anchors i wire for the anchorage of our WindMasts: ts: Guy sets anchored at the specified 25m radiu o lower guy sets anchored at the specified 20m assumed when determining guy wire length. Asl	f the site has not been visited and assessed be us or any intermediate to 33m if the site condition radius or any intermediate to 35m if the site cook for FAQ sheet if mounting on slopes. Loads where the cook is the cook i	fore installation. ions require it. inditions require it. without ice. Sets 1 & 2 at 18m, 750kg
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