



Lattice Wind Mast 82 m and 105 m

DELIVERY, INSTALLATION AND MAINTENANCE

These lattice constructions are capable of withstanding extreme weather conditions and loads and are suitable for wind resource monitoring in a variety of climate conditions.

The mast is assembled on the ground and no equipment or training for work at height is required. All sensors and related equipment is tested on the ground before beginning of the lift.

Booms and sensor installation complies with International Standard IEC 61400-12-1 as well as any other component of the mast structure.

The stability of the structure allows maintenance in upright position using standard work at height equipment.



delivery



installation



maintenance

82 metres MAST **105** metres MAST

TECHNICAL SPECIFICATIONS

WIND IMPACT

Wind speed limit 178 km/h (49.4 m/s)

ASSEMBLY

	82 m	105 m
Guy-wires	4 levels of 3 guy-wires and 4 levels of 6 guy-wires	6 levels of 3 guy-wires and 5 levels of 6 guy-wires
Material	S235JR steel according to BDS EN 10025	S235JR steel according to BDS EN 10025
Number of sections	27	35
Section length	3 meters	3 meters
Section weight	74.6 kg	76.5 kg
Overall mast weight	2,474 kg	3,284 kg

LOADS OF THE SUPPORTING ANCHORS

	82 m	105 m
Mast base	190 kN	267 kN
Anchors at 25 m radius	40 kN	-
Anchors at 30 m radius	53 kN	-
Anchors at 35 m radius	-	39 kN
Anchors at 40 m radius	68 kN	93 kN
Anchors at 50 m radius	-	110 kN



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