



## &gt; INTERCEPTION SYSTEMS AND ACCESSORIES

## &gt; MASTS AND ANCHORAGES

## &gt; FREE STANDING MAST

Self supporting mast with polygonal section measured for wind velocity up to 250 km/h.  $\varnothing 1\frac{1}{2}$ " at the top.

They are made of pyramidal trunk sections that slot into each other so the sections do not need to be joined by stud-bolts or welding and the hinge means they can be raised using a small crane.

Preliminary work is needed, which consists of inserting a flexible tube in order to let the down-conductor pass, as well as casting the steel support with the hinge in a concrete base (which varies in size depending on the mast height, as shown in the table).

It's necessary to wait until the concrete has hardened before placing the mast in its support. It is recommended to mount the air terminal with the conductor inside the mast before raising it. The conductor does not need to be fixed inside the mast, the down-conductor should simply be passed through the clip inside the mast at door level. It is possible to install a lightning strike counter AT-034G (table 106) inside the mast behind the inspection hatch in the base. ATLOGGER recorder of lightning activity may be installed outside the mast (AT-004G and AT-028G, table 105).



FOUNDATION AT-090C



APPLICATION AT-090C

Reference	Model	Sections	Mast dimensions (m)	Solid base dimensions (mm)	Dimensions of the foundations (m)	Material	Weight (kg)
AT-090C	6 m free standing mast	2	3.00 + 3.23	400 x 400	0.8 x 0.8 x 0.8	Galvanized steel	82.4
AT-091C	8 m free standing mast	3	2 x 3.00 + 2.5	400 x 400	0.8 x 0.8 x 0.8	Galvanized steel	114.5
AT-092C	10 m free standing mast	4	3 x 3.00 + 1.65	500 x 500	1 x 1 x 1	Galvanized steel	162.6
AT-093C	12 m free standing mast	5	4 x 3.00 + 0.95	500 x 500	1 x 1 x 1	Galvanized steel	203.3
AT-094C	15 m free standing mast	6	5 x 3.00 + 1.45	500 x 500	1.5 x 1.5 x 1.5	Galvanized steel	299.6
AT-095C	18 m free standing mast	7	6 x 3.00 + 1.8	600 x 600	1.6 x 1.6 x 2	Galvanized steel	504.0
AT-096C	20 m free standing mast	8	7 x 3.00 + 1.35	600 x 600	2 x 2 x 2	Galvanized steel	615.3
AT-097C	25 m free standing mast	10	9 x 3.00 + 2.85	Ø710	2 x 2 x 2.5	Galvanized steel	1050.0
AT-098C	30 m free standing mast	13	12 x 3.00 + 1.7	Ø870	2.5 x 2.5 x 2.5	Galvanized steel	1640.0
AT-099C	40 m free standing mast	19	18 x 3.00 + 1.00	Ø1130	3 x 3 x 3	Galvanized steel	3860.0

Complies with UNE 21186, NF C 17-102