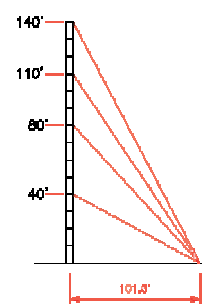
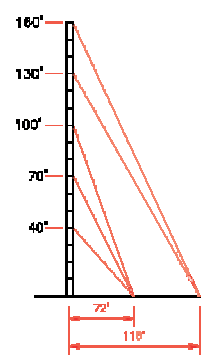


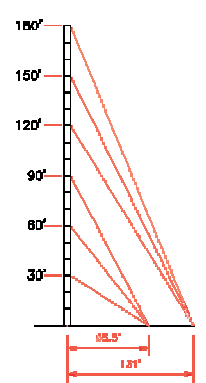
ALUMAST ALUMINIUM ALLOY MASTING Systems Tables



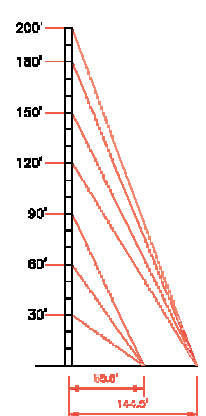
42.70m (140ft) Mast AL140 - *			
Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.3 x 1.3 X 1.1
1	250kg	760kgs	3 No 1.3 x 1.3 X 1.1
1	500kgs	1200kgs	3 No 1.4 x 1.4 x 1.2
1	1000kgs	2060kgs	3 No 1.5 x 1.5 x 1.2
2		600kgs	
3		600kgs	
4		580kgs	Base 1.0 x 1.0 x 0.5



48.80m (160ft) Mast AL160 - *			
Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.0 x 1.0 X 1.0
1	250kg	760kgs	3 No 1.1 x 1.1 X 1.0
1	500kgs	1200kgs	3 No 1.2 x 1.2 x 1.0
1	1000kgs	2060kgs	3 No 1.3 x 1.3 x 1.0
2		600kgs	
3		680kgs	
4		560kgs	3 No 1.2 x 1.2 x 1.0
5		540kgs	Base 1.0 x 1.0 x 0.5



54.90m (180ft) Mast AL180 - *			
Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.2 x 1.2 X 1.0
1	250kg	760kgs	3 No 1.2 x 1.2 X 1.0
1	500kgs	1200kgs	3 No 1.3 x 1.3 x 1.1
1	1000kgs	2060kgs	3 No 1.4 x 1.4 x 1.2
2		620kgs	
3		540kgs	
4		700kgs	
5		540kgs	3 No 1.2 x 1.2 x 1.0
6		440kgs	Base 1.0 x 1.0 x 0.5

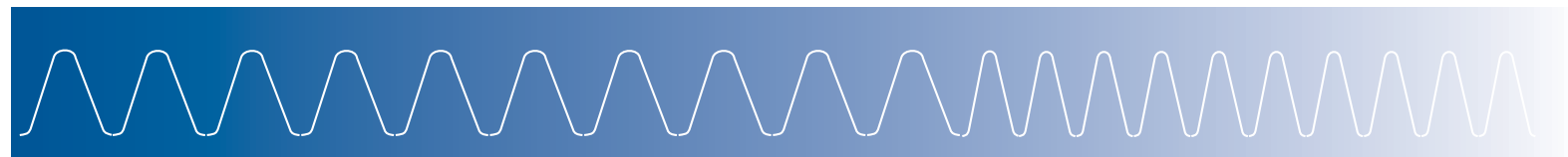
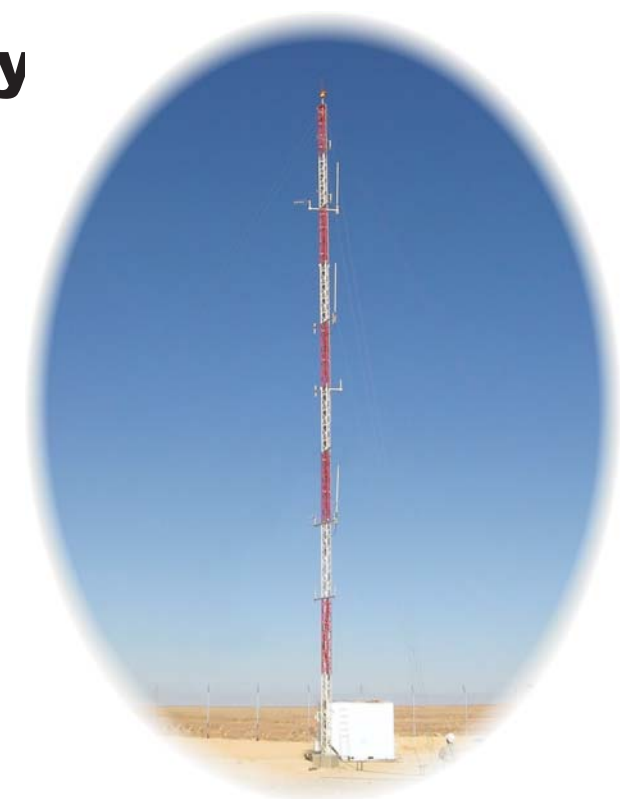


61.00m (200ft) Mast AL200 - *			
Guy No	H	Wind Load	Concrete Anchors
1	100kg	400kgs	3 No 1.3 x 1.3 X 1.0
1	250kg	660kgs	3 No 1.3 x 1.3 X 1.1
1	500kgs	1100kgs	3 No 1.4 x 1.4 x 1.2
1	1000kgs	1920kgs	3 No 1.5 x 1.5 x 1.2
2		540kgs	
3		600kgs	
4		520kgs	
5		700kgs	
6		560kgs	3 No 1.2 x 1.2 x 1.0
7		460kgs	Base 1.0 x 1.0 x 0.5

SMC reserves the right to change specifications without prior notice

Alumast Aluminium Alloy Masting System

- Lightweight - high strength
- Compact to transport
- Easy assembly and installation
- 3 to 61 metres
- Headload up to 1000kg



Alumast is a lattice aluminium guyed masting system, designed for ultimate flexibility in design, manufacture and installation.

high density packing specifications, for ease of shipping, and inland transportation (especially for installations in remote areas).

The system comprises high quality extrusions in high grade 6082 TF aluminium alloy, using stainless steel bolts and all galvanised steel guys and guy fittings. The design allows low volume,

SMC can provide a full design service of the best, most cost effective Alumast for your requirement.

Basic Specification

Face width	375 (1' 2-3/4")
Section Length	3050mm (10') (suitable for airfreight)
Section weight	11.8kg (bare)
Max guyed height	61m (220')
Ladder	Built in
Cable supports	Optional extra

ALUMAST ALUMINIUM ALLOY MASTING

Systems Tables

Headload (H)

Suffix to Type No

- * = H - 1 = 100kgs
- 2 = 250kgs
- 5 = 500kgs
- 10 = 1000kgs

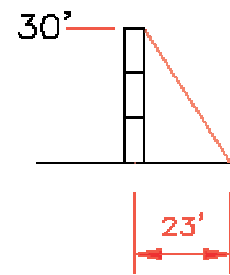
Design Data

Basic wind speed $V = 49.5\text{mps}/110\text{mph}$

Design wind speed $V_s = 49.5\text{mps}/110\text{mph}$

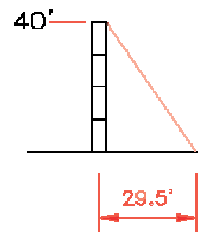
Dynamic pressure $q = .0625 V_s^2 = 153\text{kg}/\text{m}^2$

The following tables are for masts in the standard range.
Headloads of 100 - 1000kg available.



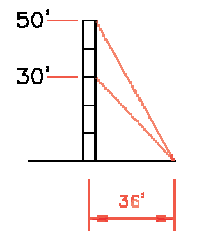
9.15m (30ft) Mast AL30 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 0.8 x 0.8 x 0.8
1	250kg	760kgs	3 No 0.9 x 0.9 x 0.8
1	500kgs	1200kgs	3 No 1.0 x 1.0 x 1.0
1	1000kgs	2060kgs	3 No 1.3 x 1.3 x 1.0
			Base 0.8 x 0.8 x 0.5



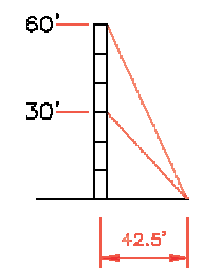
12.20m (40ft) Mast AL40 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	650kgs	3 No 0.8 x 0.8 x 0.8
1	250kg	900kgs	3 No 0.9 x 0.9 x 0.9
1	500kgs	1320kgs	3 No 1.1 x 1.1 x 1.0
1	1000kgs	2200kgs	3 No 1.3 x 1.3 x 1.0
			Base 0.8 x 0.8 x 0.5



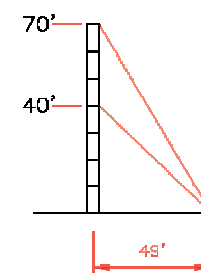
15.25m (50ft) Mast AL50 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	400kgs	3 No 0.9 x 0.9 x 0.9
1	250kg	660kgs	3 No 1.0 x 1.0 X 1.0
1	500kgs	1080kgs	3 No 1.0 x 1.0 x 1.0
1	1000kgs	1920kgs	3 No 1.3 x 1.3 x 1.0
2		440kgs	Base 0.8 x 0.8 x 0.5



18.30m (60ft) Mast AL60 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 0.9 x 0.9 x 0.9
1	250kg	760kgs	3 No 1.0 x 1.0 X 1.0
1	500kgs	1200kgs	3 No 1.2 x 1.2 x 1.0
1	1000kgs	2060kgs	3 No 1.3 x 1.3 x 1.0
2		500kgs	Base 0.8 x 0.8 x 0.5



15.25m (70ft) Mast AL70 - *

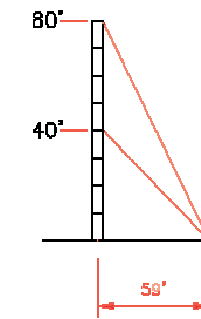
Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.0 x 1.0 X 1.0
1	250kg	760kgs	3 No 1.1 x 1.1 X 1.0
1	500kgs	1200kgs	3 No 1.2 x 1.2 x 1.0
1	1000kgs	2060kgs	3 No 1.3 x 1.3 x 1.0
2		600kgs	Base 0.8 x 0.8 x 0.5

ALUMAST ALUMINIUM ALLOY MASTING

Systems Tables

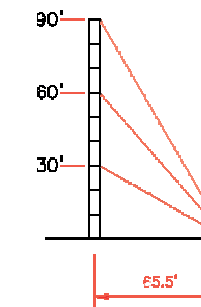
Accessories

SMC can supply a wide variety of accessories to complement the basic structure, including yagi mounts, dish mounts and vertical antenna adapters as standard, or to suit special requirements bracketry can be designed and manufactured where feasible.



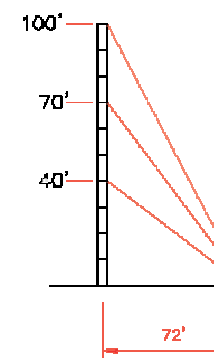
24.40m (80ft) Mast AL80 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	640kgs	3 No 1.0 x 1.0 X 1.0
1	250kg	900kgs	3 No 1.1 x 1.1 X 1.0
1	500kgs	1320kgs	3 No 1.3 x 1.3 x 1.0
1	1000kgs	2200kg	3 No 1.3 x 1.3 x 1.1
2		680kgs	Base 0.8 x 0.8 x 0.5



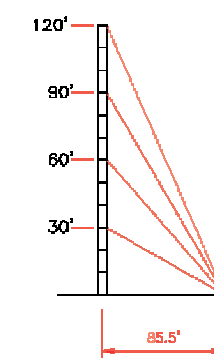
27.45m (90ft) Mast AL90 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.1 x 1.1 X 1.0
1	250kg	760kgs	3 No 1.2 x 1.2 X 1.0
1	500kgs	1200kgs	3 No 1.3 x 1.3 x 1.1
1	1000kgs	2060kgs	3 No 1.4 x 1.4 x 1.2
2		540kgs	
3		460kgs	Base 0.8 x 0.8 x 0.5



30.50m (100ft) Mast AL100 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.2 x 1.2 X 1.0
1	250kg	760kgs	3 No 1.2 x 1.2 X 1.0
1	500kgs	1200kgs	3 No 1.3 x 1.3 x 1.1
1	1000kgs	2060kgs	3 No 1.4 x 1.4 x 1.2
2		580kgs	
3		540kgs	Base 0.9 x 0.9 x 0.5



36.60m (120ft) Mast AL120 - *

Guy No	H	Wind Load	Concrete Anchors
1	100kg	520kgs	3 No 1.3 x 1.3 X 1.0
1	250kg	760kgs	3 No 1.3 x 1.3 X 1.1
1	500kgs	1200kgs	3 No 1.4 x 1.4 x 1.2
1	1000kgs	2060kgs	3 No 1.5 x 1.5 x 1.2
2		580kgs	
3		500kgs	
4		420kgs	Base 0.9 x 0.9 x 0.5