

RTS 1100 HEAVY DUTY SELF SUPPORT LATTICE TOWER

SPECIFICATIONS

Type:	Self-support Tower
Design:	lattice
Section:	triangular
Leg member	angle profile
Top section size in m	3.0 m
Height up to, in meter	36
Access ladder	yes: climbing on 1 face
Possible antenna load in m ²	from 1 to 3
Possible wind speed in km/h	from 120 to 200
Tilt and sway in degree	+/- 1°
Design rules	South Africa, Europe



This tower is designed for heavy loads.
 This tower allows a minimum of equipment (no working platform).
 This tower can be fitted with every kind of anti-falling systems (cable or rail).
 All elements of towers are hot dip galvanized

RTS 1100-SS MAST SECTION SPECIFICATIONS	
Width between legs	1100mm
Leg size	60.3 x 4.0mm 300WA structural steel round tube
Cross Bracing	38mm x 2.5mm 300WA structural steel round tube
Mass per 3 metre Section	102.3 Kg
STANDARDS APPLIED	
South African	
Tower and Masts - Manufacturing	SANS 10162-1: 2005 (SABS 0162-1)
Design Code	SABS 0160 - 1989
Material Standards	SANS 657-1: 2005 (SABS 657-1) SANS 1431: 2007
Galvanising Standards	SANS 121: 2000/ISO 1461:1999 (SABS ISO 1461) (SABS 763)
British	
Lattice towers and Masts	BS 8100 part1
Material Standards	BS 4360
Welding Standards	BS 5135
German	
Towers	DIN 4131

SANS/SABS STANDARDS APPLIED

SANS 657-1: 2005 (SABS 657-1)	3.01 Steel tubes for non-pressure purposes Part 1: Sections for scaffolding, general engineering and structural applications
SANS 1431: 2007 (SABS 1431)	1.08 Weld able structural steels
SANS 10160: 1989 (SABS 0160)	The general procedures and loadings to be adopted in the design of buildings
SANS 10162-1: 2005(SABS 0162-1)	2 The structural use of steel Part 1: Limit-state design of hot-rolled steel work
SANS 10162-2: 1993 (SABS 0162- 2)	1 The structural use of steel Part 2: Limit-states design of cold-formed steelwork
SANS 121: 2000/ISO 1461:1999 (SABS ISO 1461) (SABS 763)	1.01 Hot dip galvanized coatings on fabricated iron and steel articles - specifications and test methods