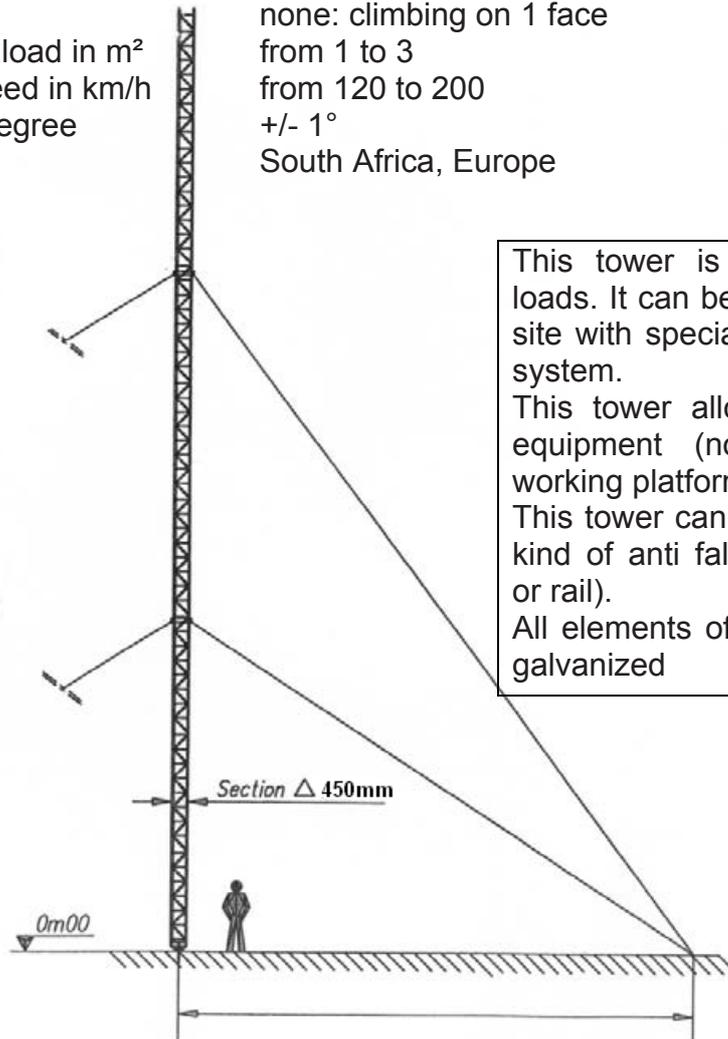


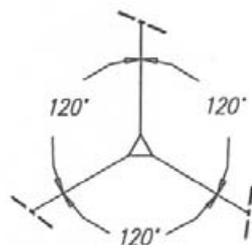
RTS 450N GUYED LATTICE MAST

SPECIFICATIONS

Type:	guyed mast
Design:	lattice
Section:	triangular
Leg member	angle profile
Top section size in m	0.45
Height up to, in m:	36
Access ladder	none: 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 light loads. It can be fitted on a roof top site with special design for anchor system. This tower allows a minimum of equipment (no ladder and 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 450N MAST SECTION SPECIFICATIONS		
Width between legs	=	450mm
Leg size	=	42.4x2.5mm 300WA structural steel round tube
Cross Bracing	=	10mm Roundbar
Mass per 3 metre Section	=	38 kgs

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 (SABS 1431)
Galvanising Standards	SANS 121: 2000/ISO 1461:1999 (SABS ISO 1461) (SABS 763)
American	
Tower and Masts - Manufacturing	AISC EIA/TIA Standard 222-E
Design Code	ASCE 7-88
Material Standards	ASTM A36 ASTM A123 (Structural Shapes)
Galvanising Standards	ASTM 153 (HARDWARE)
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)

SANS 1431: 2007 (SABS 1431)

SANS 10160: 1989
(SABS 0160)

SANS 10162-1: 2005
(SABS 0162-1)

SANS 10162-2: 1993 (SABS 0162-2)

SANS 121: 2000/ISO 1461:1999
(SABS ISO 1461) (SABS 763)

3.01 Steel tubes for non-pressure purposes Part 1: Sections for scaffolding, general engineering and structural applications

1.08 Weldable structural steels

The general procedures and loadings to be adopted in the design of buildings

2 The structural use of steel Part 1: Limit-state design of hot-rolled steel work

1 The structural use of steel Part 2: Limit-states design of cold-formed steelwork

1.01 Hot dip galvanized coatings on fabricated iron and steel articles - specifications and test methods