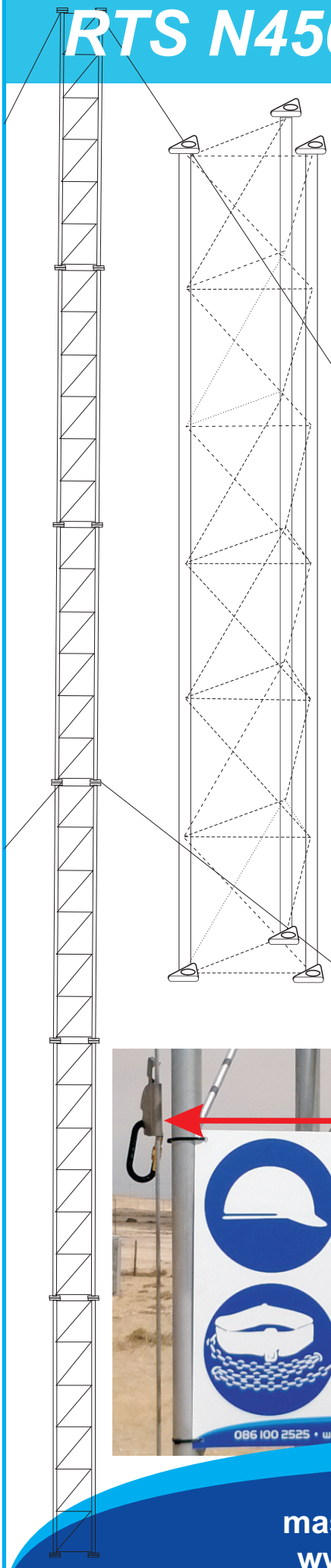
RTS N450 LATTICE GUYED MAST



Heavy Duty
Hot dipped Galvanised
8.8 High tensile bolts & nuts
From 3m~15 m Self Support Lattice Mast
From 18~60 m Guyed Lattice Mast
Easy Installation

MECHANICAL SPECIFICATIONS

Leg centres	450mm
Face Width	491mm
Leg size	Ø 42.5mm
Bracing size	10 or 12mm
Mass per section	39kg or 43 kg
Guy rope diameter	6mm

Antenna loading - Flat plate area 0.9 m^2 at apex and 1 m^2 @ 3 m below apex

Safety Cable with Safety hook

086 100 2525
mast@repeater.co.za
www.rtsradio.co.za

RTS

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)	3.01 Steel tubes for non-pressure purposes Part 1: Sections for scaffolding, general engineering and structural apllications
SANS 1431: 2007 (SABS 1431)	1.08 Weldable 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 glvanized coatings on fabricated iron and steel articles - specifications and test methods