

PLM450 HD MAST SECTION SPECIFICATIONS	
Width across base	= 450mm
Leg size	= 38.2x2.5mm 300WA structural steel round tube
Cross Bracing	= 12mm 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 applications
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 galvanized coatings on fabricated iron and steel articles - specifications and test methods