

<b>PLM1600 MAST SECTION SPECIFICATIONS</b>	
Width across base	= 1600mm
Leg size	= 63.2x4.5mm 300WA structural steel round tube
Cross Bracing	= 38mm 300 WA structural steel round tube
Mass per 3 meter Section	= 130 kg

<b>STANDARDS APPLIED</b>	
<b>South African</b>	
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)
<b>American</b>	
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)
<b>British</b>	
Lattice towers and Masts	BS 8100 part1
Material Standards	BS 4360
Welding Standards	BS 5135
<b>German</b>	
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