



A light duty self-supporting tower structure with three tubular legs, and angular member construction, the SS3-100 range of towers incorporates features of low deflection at service wind speeds, and a lightweight, economic design for cellular and low load microwave systems. Incorporating rest platforms to customer's specification, caged or un-caged ladder system, feeder support, and optional fall arrest systems, the SS3-100 is the tower of choice for your telecommunications needs.

SPECIFICATIONS:

Design

Analysis and member design using the most up to date computer modelling programmes, in accordance with the following standards and codes of practice: BS 449, AS 1170, parts (i), (ii) & (iv)

Wind Loading

DHES specializes in determining the wind-loading parameters for a given location and antenna type, working to customer specified or meteorological records. BSCP3 and AS 3995 are typical engineering standards that we are accustomed with, as well as alternative specifications such as RS 222

Deflection

Where limits of twist and sway are more critical, for example with microwave applications, DHES will investigate the optimum combination of tower members and modify designs accordingly to achieve our customers requirement.

Construction

SS3-100 towers are designed with a high-quality, tube-leg and angle steel construction. Legs are normally of high-yield steel as are primary members. Secondary members and accessories are of lower yield steel. All members are connected with high-tensile connection bolts, legs with flanged splices and high tensile connection bolts.

Foundation

Our standard package includes all necessary drawings and schedules for foundations for normal soil conditions. We are also able to advise and design alternative foundations, including piled foundations, should soil conditions dictate

Installation

We are able to quote for full installation in any world-wide location. Our services typically include detailed site surveys and soil analysis, foundation design, installation and tower erection

Accessories

Antenna mounts, cable fixings, work platform, grounding system, obstruction lighting, fall arrest systems and painting to ICAO regulations are all available options for DHES structures

