

**GM - 440: A medium duty mast for grid antenna and medium-wave applications**

### **SPECIFICATIONS:**

#### **Design**

Analysis and member design using the most up to date computer modeling 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

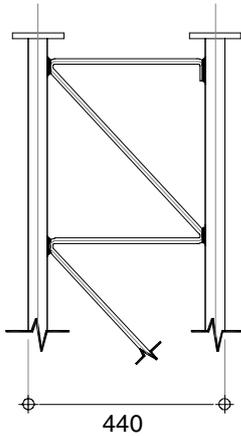
#### **Deflection**

Where limits of twist and sway are more critical, for example with microwave applications, DHES can provide anti-twist accessories to enhance the stability of the structure.

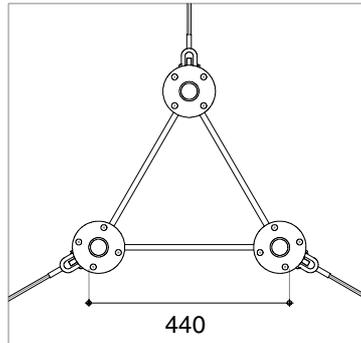
#### **Construction**

Our masts are constructed from high quality steel tubular legs with solid steel chords. Climbing rungs are incorporated into the chord design for larger face-width masts

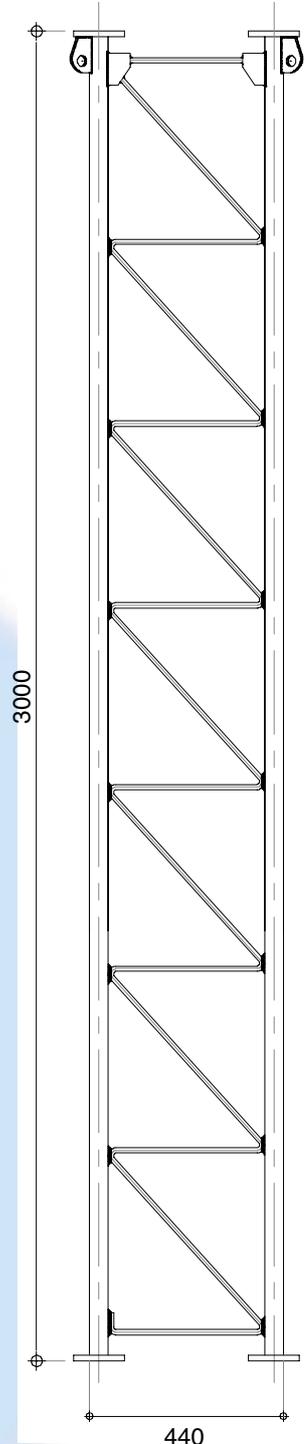
**TYPICAL ARRANGEMENT  
FOR 63m MAST**



**Type "A"**  
**(STANDARD PANEL)**



**PLAN VIEW**  
**SHOWING TYPICAL**  
**STAY ATTACHMENT**



**Type "B"**  
**(STAY PANEL)**

## Foundation

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

## Supply Only (Customer Install)

Our supply prices include foundation bolts and anchor plate, stay block anchor steel-work and connection bolts, plus standard designs for mast-base and anchor block, including detailed reinforcing schedules

## Installation

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

## Accessories

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