

## Technical Specification

| Model Ref. | Height 'M' | Tilting rear clearance 'R' | Post Section 'P' | Pivot Section 'S1' | Door aperture 'H' x 'W' | Cable access hole Ø'C' | Maximum equip cap'ty | Weight Kgs. | Winch Selection |
|------------|------------|----------------------------|------------------|--------------------|-------------------------|------------------------|----------------------|-------------|-----------------|
| TP4S       | 4 mtr.     | 1150                       | 120x120          | 100x100            | 325 x 105               | Ø108                   | 25Kg.                | 140Kgs      | WUA or WUB      |
| TP5S       | 5 mtr.     | 1150                       | 120x120          | 100x100            | 325 x 105               | Ø108                   | 25Kg.                | 140Kgs      | WUA or WUB      |
| TP6S       | 6 mtr.     | 1150                       | 120x120          | 100x100            | 325 x 105               | Ø108                   | 25Kg.                | 140Kgs.     | WUA or WUB      |
| TP8S       | 8 mtr.     | 1650                       | 150x150          | 120x120            | 325 x 105               | Ø140                   | 25Kg.                | 305Kgs.     | WUA             |
| TP10S      | 10 mtr.    | 2150                       | 200x200          | 150x150            | 325 x 105               | Ø200                   | 25Kg.                | 335Kgs.     | WUA             |

TPS/WUA Heavy Duty  
TPS/WUB Light Duty

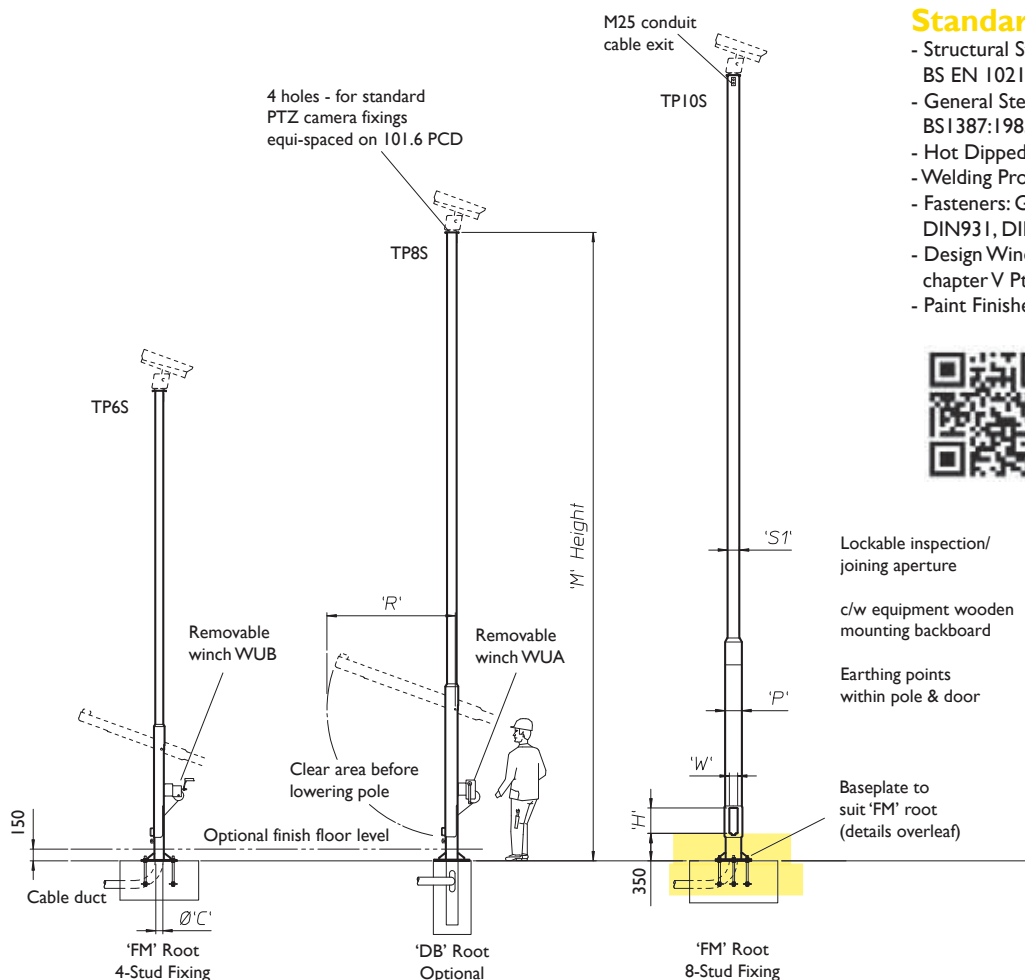
All dimensions in mm unless otherwise stated

## Standards Applicable

- Structural Steelwork: BS EN 10210-1:1994, BS EN 10210-2:1997
- General Steelwork: BS1449:1991 BS1387:1985, BS EN 10025:1993
- Hot Dipped Galvanized: BS EN ISO 1461:2009
- Welding Procedures: Comply with BS EN 1011-2:2001
- Fasteners: Grade 8.8 BS3692:2001, BS4190:2001 DIN931, DIN934
- Design Wind Loading: In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997
- Paint Finishes: BS4800 and RAL colour range



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## Accessories & Adaptors

TPS/ACB Anti-Climb Bracket  
TPS/Paint Paint to BS4800 & RAL Colours  
TPS/SDA Swept Dome Adaptor  
TPS/SDA2 Swept Dome Adaptor Dual  
TPS/PT1-S2 1 Pan & Tilt c/w 2 Static Adaptors  
TPS/TPTA Twin Pan & Tilt Adaptor  
TPS/3SA Triple Static Adaptor  
TPS/2SA Twin Static Adaptor  
TPS/ISA Pan & Tilt - Single Fixed

TPS/CSI 50-300 Column Spacers 150mm-300mm  
TPS/TBC Telemetry Clamp Bracket  
TPS/HSD-F High Security Door Option  
TPS/DB Decorative Banding

### Removable Winches

Although the WUA auto brake winch is initially more expensive, it has the versatility to cover the range of WEC products and has a quicker operating action.

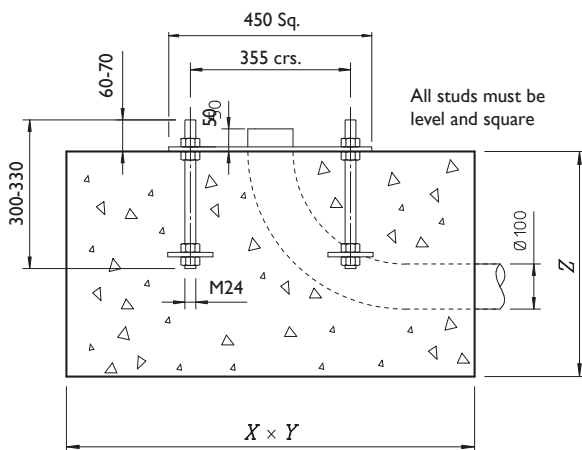
## Product Ref & Ordering Information

Product (Tilt-Pole) TP 8 S DB  
Pole Height in Metres  
Section Square  
Root (Direct Burial)

## Base and Windload Specification

| Concrete Foundation Table X x Y x Z |        |                      |                       |                       |                       |                       |                       |
|-------------------------------------|--------|----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Model Ref                           | Height | Area of Country      |                       |                       | Area of Town          |                       |                       |
|                                     |        | A                    | B                     | C                     | A                     | B                     | C                     |
| TP4S                                | 4m     | 1.0x1.0x<br>0.5m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.0x1.0x<br>0.5m Dp.  | 1.0x1.0x<br>0.5m Dp.  | 1.1x1.1x<br>0.55m Dp. |
| TP5S                                | 5m     | 1.0x1.0x<br>0.5m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.0x1.0x<br>0.5m Dp.  | 1.0x1.0x<br>0.5m Dp.  | 1.1x1.1x<br>0.55m Dp. |
| TP6S                                | 6m     | 1.0x1.0x<br>0.5m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.0x1.0x<br>0.5m Dp.  | 1.0x1.0x<br>0.5m Dp.  | 1.1x1.1x<br>0.55m Dp. |
| TP8S                                | 8m     | 1.2x1.2x<br>0.6m Dp. | 1.3x1.3x<br>0.65m Dp. | 1.3x1.3x<br>0.65m Dp. | 1.1x1.1x<br>0.55m Dp. | 1.2x1.2x<br>0.6m Dp.  | 1.3x1.3x<br>0.65m Dp. |
| TP10S                               | 10m    | 1.4x1.4x<br>0.7m Dp. | 1.5x1.5x<br>0.75m Dp. | 1.5x1.5x<br>0.75m Dp. | 1.3x1.3x<br>0.65m Dp. | 1.3x1.3x<br>0.65m Dp. | 1.4x1.4x<br>0.7m Dp.  |

A minimum soil bearing pressure of 75 kN/m<sup>2</sup> is assumed

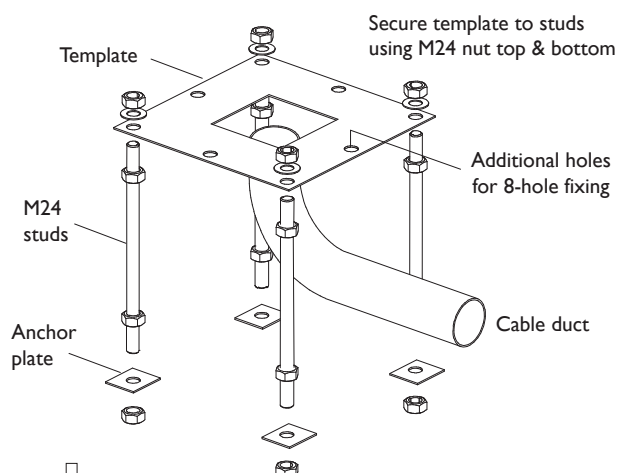


**FM Root (FM)**

4-hole fixing - up to 8m  
8-hole fixing - 10m

fig. 1

### FM Root Assembly



## Installation Method

1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Insert root base into the hole ensuring that it is level and that the four studs protrude 60-70mm above the concrete foundation
5. Fit the cable duct if routing via the interior of the column. A plastic pipe of approximately 100mm outside diameter is recommended for this. Ensure this protrudes through the template by 50mm minimum.
6. Pour concrete ensuring that it is a mix of C35 to table 6 BS 8110 and then tamp down well
7. Fit the setting template over the four protruding studs, double-checking that they are level and that clear access can be gained to the cable duct if it is being used
8. Leave the concrete to cure for a minimum of 72 hours prior to attempting to erect the column
9. When fitting the column, ensure that the concrete base is in complete contact with the underside of the column and grout accordingly.
10. When the column has been fitted, protect the studs with a suitable protective coating. Denzo tape or similar is recommended for this

Foundation sizes are determined for three sets of wind speeds, which will cover most of the British Isles.

Area A = 44m/s (98mph)  
Area B = 48m/s (107mph)  
Area C = 52m/s (116mph)

Maximum gust speed is likely to be exceeded on average once every 50 years at 10m above the ground in open level country.