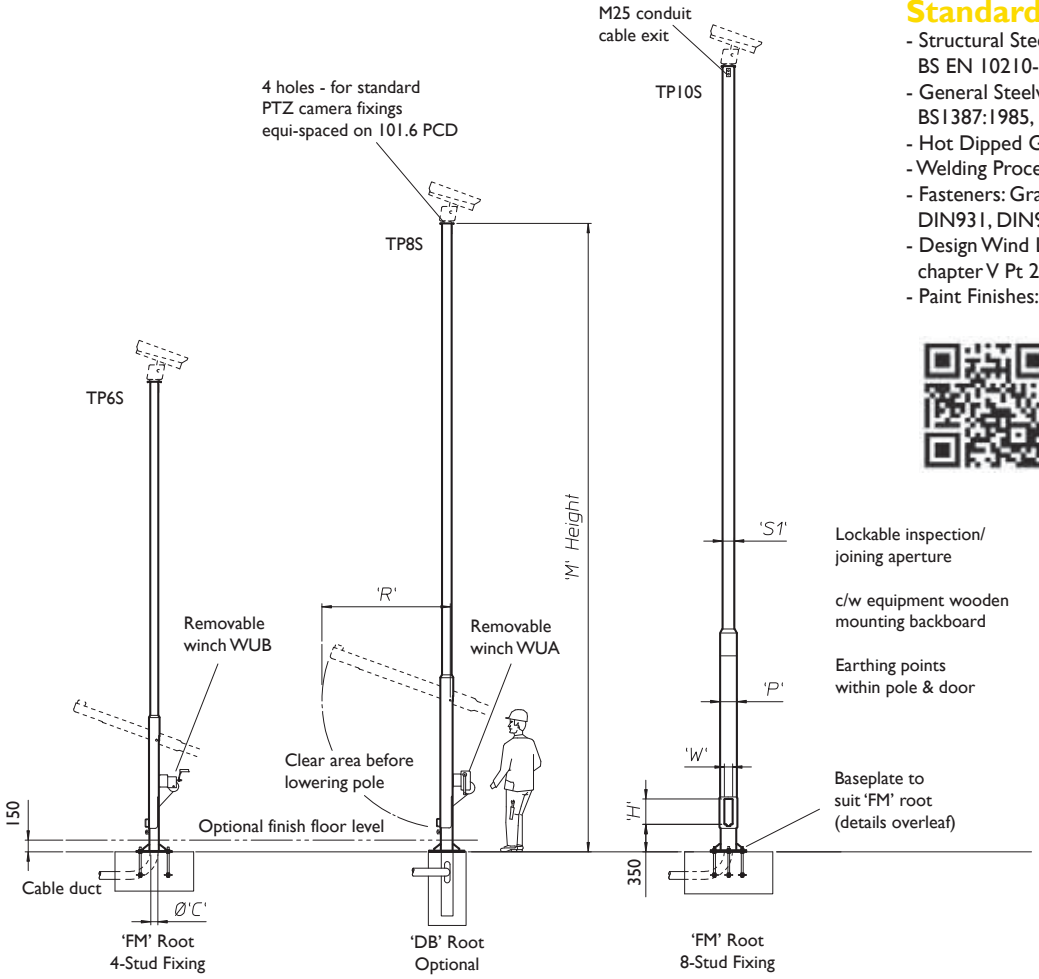
Tilt-Over Square Section Columns
TPS Range

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

Scan this code on your smartphone to access our Operating Instructions and Videos!

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/1SA	Pan & Tilt - Single Fixed

TPS/CS150-300	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

TP 8 S DB

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

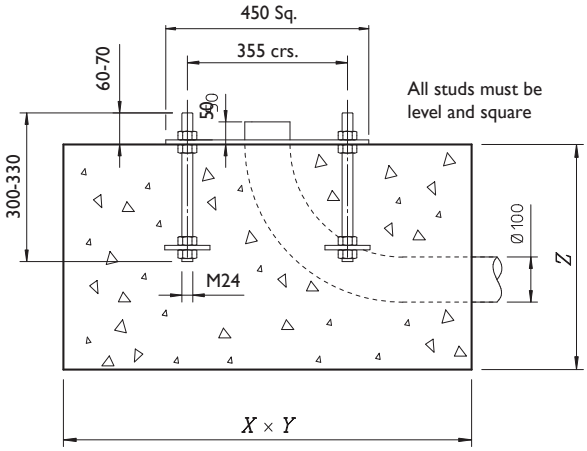
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

Tilt-Over Square Section Columns
TPS Range

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 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.
TP5S	5m	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.
TP6S	6m	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.
TP8S	8m	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.
TP10S	10m	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.

A minimum soil bearing pressure of 75 KN/m2 is assumed

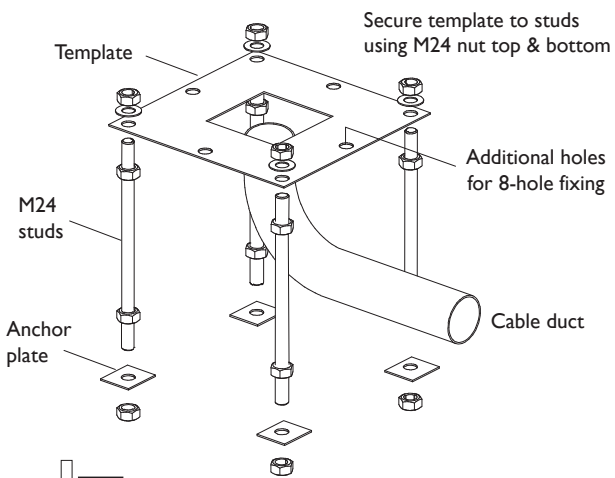


FM Root (FM)

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 minumum 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 recommend 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.

BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net