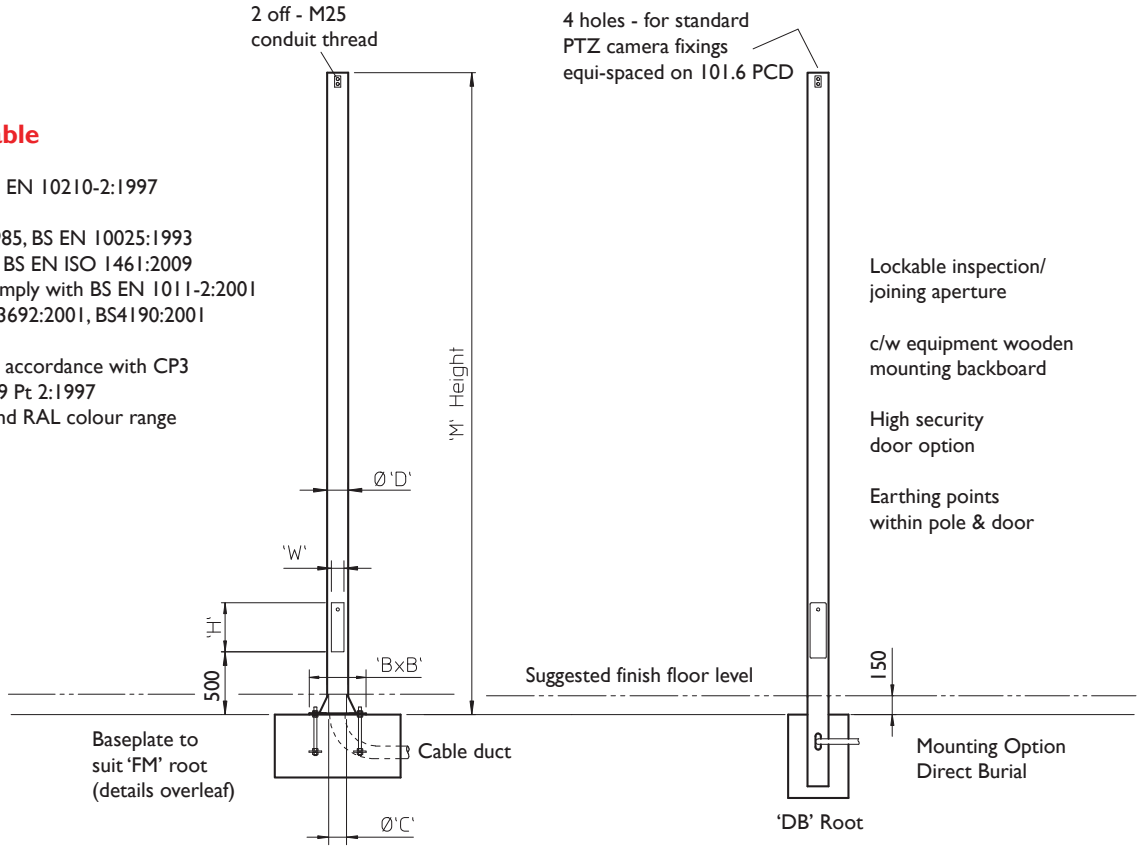
Tubular Columns
FMT Range

Technical Specification

Model Ref.	'M' Height	Duty rating	Baseplate size 'BxB'	Cable access hole Ø'C'	Tube diameter 'D'	Door aperture 'H' x 'W'	Maximum equip cap'ty	Weight Kgs.
FMT3	3 metres	Standard	450x450	Ø127	Ø139	360 x 90	25Kg.	60Kg.
FMT4	4 metres	Standard	450x450	Ø127	Ø139	360 x 90	25Kg.	75.1Kg.
FMT5	5 metres	Standard	450x450	Ø127	Ø139	360 x 90	25Kg.	120.7Kg.
FMT5HD		Heavy duty	450x450	Ø155	Ø168	360 x 118	25Kg.	142Kg.
FMT6	6 metres	Standard	450x450	Ø127	Ø139	360 x 90	25Kg.	137.3Kg.
FMT6HD		Heavy duty	450x450	Ø155	Ø168	360 x 118	25Kg.	162.1Kg.
FMT8	8 metres	Standard	450x450	Ø155	Ø168	360 x 118	25Kg.	196.3Kg.
FMT8HD		Heavy duty	450x450	Ø200	Ø219	460 x 118	25Kg.	244.9Kg.
FMT10	10 metres	Standard	450x450	Ø200	Ø219	460 x 118	25Kg.	317.5Kg.
FMT10HD		Heavy duty	450x450	Ø250	Ø273	556 x 214	25Kg.	469.3Kg.
FMT12	12 metres	Standard	450x450	Ø250	Ø273	556 x 214	25Kg.	552.1Kg.

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

Accessories & Adaptors

FMT/ACB	Anti-Climb Bracket
FMT/Paint	Paint to BS4800 & RAL Colours
FMT/SDA	Swept Dome Adaptor
FMT/SDA2	Swept Dome Adaptor Dual
FMT/PT1-S2	1 Pan & Tilt c/w 2 Static Adaptors
FMT/TPTA	Twin Pan & Tilt Adaptor
FMT/4SA	Quadruple Static Adaptor
FMT/3SA	Triple Static Adaptor
FMT/2SA	Twin Static Adaptor
FMT/1SA	Pan & Tilt - Single Fixed

FMT/CS150-300	Column Spacers 150mm-300mm
FMT/TBC	Telemetry Clamp Bracket
FMT/HSD-F	High Security Door Option
FMT/DB	Decorative Banding

Product Ref & Ordering Information

FMT 6 HD DB

- FMT — Flange Mount Tubular Column
- 6 — Column Height in Metres
- HD — Heavy Duty Column
  when minimum deflection is required
  i.e. high zoom lens camera
- DB — Direct Burial Root

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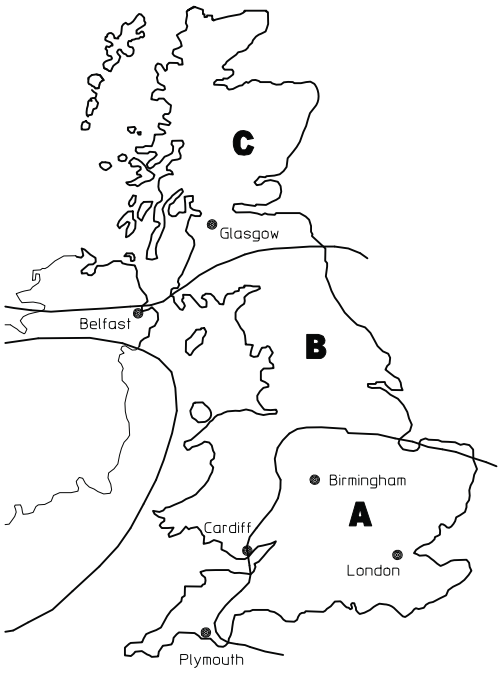
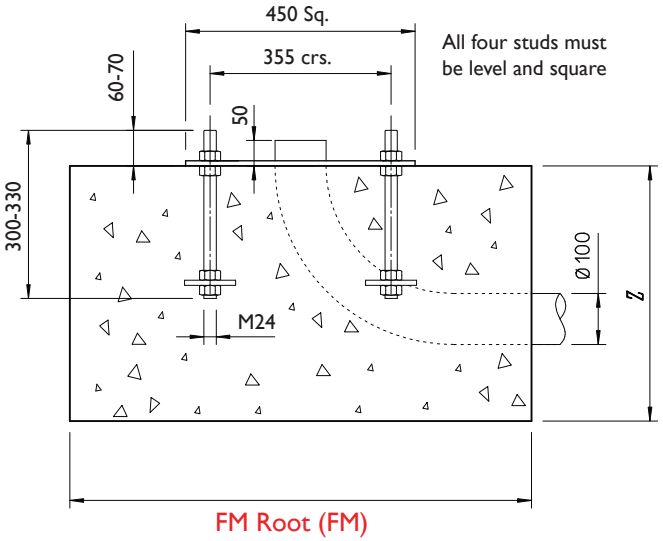
Base and Windload Specification

Concrete Foundation Table *X x Y x Z*							
Model Ref	Ht.	Area of Country			Area of Town		
		A	B	C	A	B	C
FMT4 FMT4HD	4m	0.8x0.8x 0.4m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0 45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
FMT5 FMT5HD	5m	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.
FMT6 FMT6HD	6m	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.
FMT8 FMT8HD	8m	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.
FMT10 FMT10HD	10m	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.6x1.6x 0.8m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.
FMT12	12m	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.	1.9x1.9x 0.95m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.

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

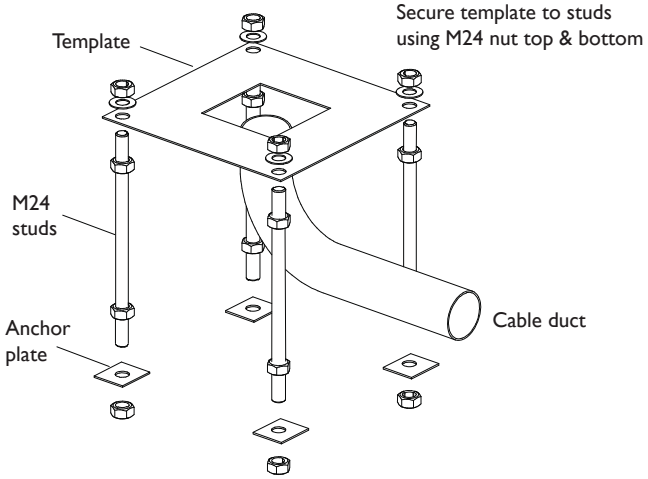




FM Root (FM)

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 (min).
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 column and grout accordingly if required. Torque the nuts to 230-270 Nm (175-200 ft. lb.)
10. When the column has been fitted, protect 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.

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