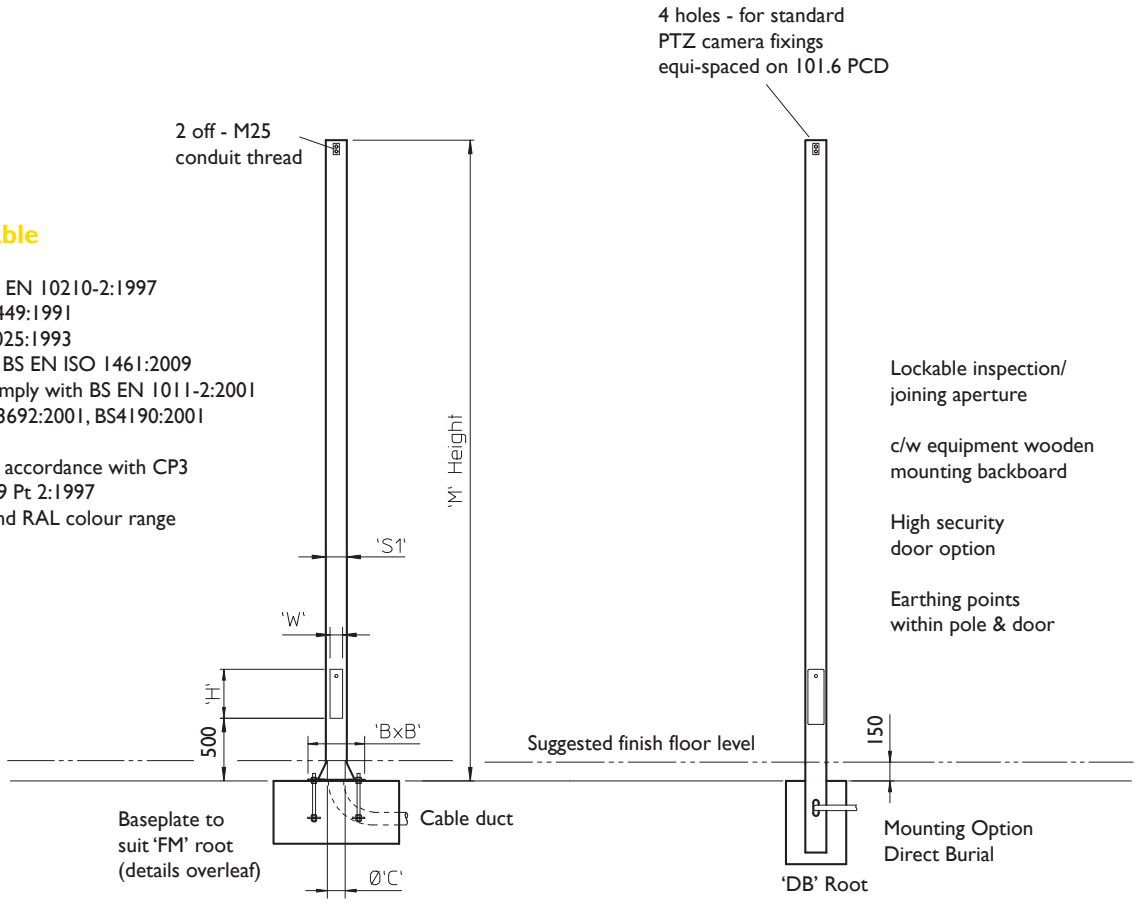
Fixed Square Section Columns
FMS Range

Technical Specification

Model Ref.	'M' Height	Duty rating	Baseplate size 'BxB'	Cable access hole Ø'C'	Section 'S1'	Door aperture 'H' x 'W'	Maximum equip cap'ty	Weight Kgs.
FMS3	3 metres	Standard	450x450	Ø90	100 Sq.	425 x 70	25Kg.	60Kg.
FMS4	4 metres	Standard	450x450	Ø90	100 Sq.	425 x 70	25Kg.	75.1Kg.
FMS5	5 metres	Standard	450x450	Ø90	100 Sq.	425 x 70	25Kg.	120.7Kg.
FMS5HD		Heavy duty	450x450	Ø90	120 Sq.	425 x 80	25Kg.	142Kg.
FMS6	6 metres	Standard	450x450	Ø90	120 Sq.	425 x 80	25Kg.	137.3Kg.
FMS6HD		Heavy duty	450x450	Ø140	150 Sq.	425 x 110	25Kg.	162.1Kg.
FMS8	8 metres	Standard	450x450	Ø90	120 Sq.	425 x 80	25Kg.	196.3Kg.
FMS8HD		Heavy duty	450x450	Ø140	150 Sq.	425 x 110	25Kg.	244.9Kg.

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

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

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

Product Ref & Ordering Information

FMT 6 HD DB

- FMT — Flange Mount Square 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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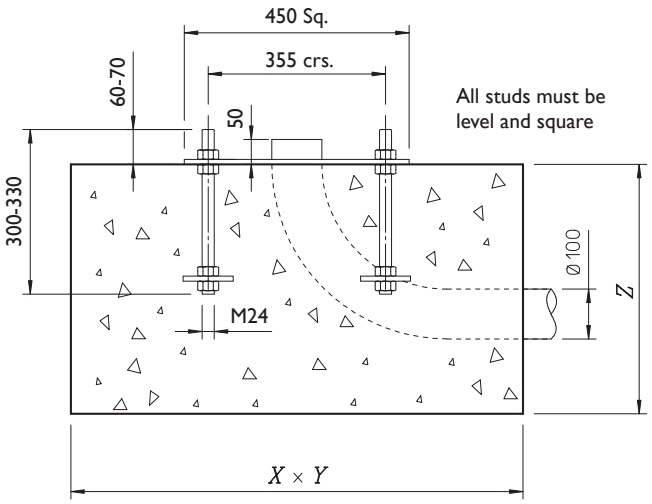
Fixed Square Section Columns
FMS Range

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
FMS3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
FMS4	4m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
FMS5 FMS5HD	5m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0.95x0.95x 0.45m Dp.	0.95x0.95x 0.45m Dp.	1.0x1.0x 0.5m Dp.
FMS6 FMS6HD	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.
FMS8 FMS8HD	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.

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

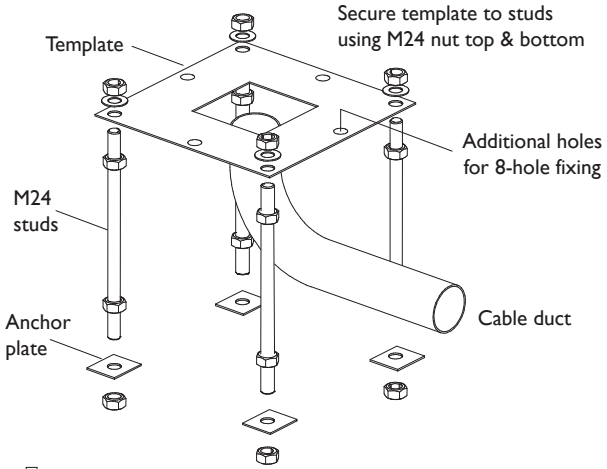


FM Root (FM)

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.

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