WEC

CCTV

camera mounting solutions

comprehensive product guide

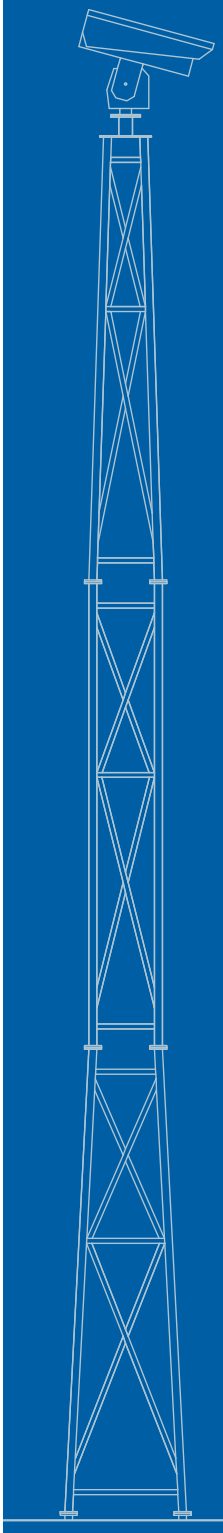
When quality, delivery, and installation are paramount...

WEC are the largest manufacturer of Motorway CCTV columns for the UK highway infrastructure

CCTV

Sales Direct: +44 (0) 1254 700200
General Enquiries: +44 (0) 1254 773718
Fax: +44 (0) 1254 873637

Website: www.wec.uk.net
Email: all@wec.uk.net



WEC Camera Mounting Solutions
is a trading division of WEC Group Ltd.

GROUP

Britannia House
Junction Street
Darwen
Lancashire
BB3 2RB


Santander

Introduction

WEC has over 30 years of expertise in the design, production and manufacture of CCTV mounting structures. Coupled with a highly skilled engineering background and utilising the very latest in fabrication and assembly technology, WEC's camera mounting division is the number one, unrivalled market leader in the world wide CCTV industry today.

Our engineers use the latest in design technology, including CoCreate modelling and SolidWorks parametric software. Dedicated to the closed circuit television and associated industries, they are able to direct their vast knowledge and skills to produce camera mounting solutions for present and future needs in what is a rapidly growing industry.

The camera mounting division operates from a purpose-built manufacturing site covering 126,000 square feet, enabling us to keep high stock levels and provide short lead times on bespoke products.

LASER

Constant investment programmes enable WEC to acquire the very latest in laser cutting and metal forming technology. Our vast array of modern machinery ensures that we remain market leaders, by providing customers with the highest quality and accuracy offered by any manufacturing company today.

We are also the first company in the UK to purchase the Trumpf TruLaser 7000 Tube machine, which cuts tubes and profiles with large diameters and wall thicknesses without sacrificing productivity.

SPECIAL PRODUCTS

If you don't see a particular column or bracket in our Product Guide, WEC will be only too happy to discuss your requirements. Our bespoke specials service is provided to overcome difficult and awkward mouting situations. Brackets can be constructed from customer photographs or simple sketches through to full engineering drawings. Our production schedule ensures that all special brackets are on site with the minimum of delay.

TRANSPORT

The transport fleet at WEC not only provides a delivery service, but can also offer a column delivery and placement service. We currently deliver and place columns up to 18 metres in height onto prepared bases throughout the UK and Europe. Deliveries can be made to suit your needs and if a situation arises where you require evening, weekend or out of hours deliveries, our efficient transport department will be only too happy to liaise with you.

LOCATION

Situated in the centre of the United Kingdom, WEC is ideally placed to satisfy your requirements. Close to the M6, we are only minutes away from the main motorway network.

Whatever your CCTV camera mounting problem, WEC has the solution for you

PAINTING

Using the latest airless spray techniques coupled with specialist vinyl based coatings, WEC are able to paint your CCTV columns and brackets to any of the BS4800 and RAL colour ranges to suit your requirements. Powder coating facilities are also available on many of our standard and bespoke items.

SALES

Our helpful sales force, with an in-depth knowledge of our products and the industry, ensure that WEC remain the number one choice for CCTV mounting equipment.

WEC offer full training on all of our products whether you are new to the industry or just looking for an update. One of our field sales engineers will pay you a visit to discuss your requirements. Alternatively, we have boardroom facilities for you to bring your clients to discuss your particular project.

PRODUCTS

WEC are the largest manufacture of CCTV mounting structures in the industry today. From simple fixed columns through to tilt-over lattice towers and motorised motorway columns and an endless array of brackets, we are sure that we can supply a camera mounting solution for your particular installation.

MAJOR INSTALLATIONS INCLUDE:

- Wembley Stadium
- Transport for London Charging Scheme
- Railtrack Upgrading
- Dublin Port
- Liverpool City Centre
- Kuwait International Stadium
- Belfast City Stadium
- Birmingham Box ANPR Project
- M42 Lane Sharing Scheme
- Manchester Airport
- Leeds City Centre
- Drax Power Station North Yorkshire
- National Grid Gas Storage Sites

ACCREDITATIONS

WEC are a BS EN ISO9001 and Link-Up approved company. This is your guarantee that goods and services are supplied to you at the highest standards, right first time. Should you require structural calculations, these are available on many of our products, assuring you a safe and stable support for your CCTV system.

ISO 9001 BUREAU VERITAS Certification

UKAS

Link-up

Fixed Towers and Tilt-Over Towers
ST and WD Range

ST Range

The original fixed tower designed and built by WEC continues to be a popular item. This highly cost-effective modular tower is designed to give excellent stability and wind resistence characteristics. Predominantly installed within secure compound environments, the ST tower displays a business-like appearance many clients prefer.

WD Range

The original fixed tower designed and built by WEC, naturally evolved into the tilt-over tower range. This family of towers offers all the benefits of the ST range, with the added bonus of tiltability for safe ground level maintenance. This highly cost-effective modular tower is designed to give excellent stability and wind resistance characteristics. Predominantly installed within already secure compound environments, the WD tower displays a business-like appearance many clients prefer, with the added feature of safe ground level maintenance.

Fixed Towers and Tilt-Over Towers
ST and WD Range

ST Range

Design Features
- A cost-effective solution for achieving desired camera height.
- Off the shelf heights up to 10 metres.
- Rigid triangular lattice structure ensures excellent stability characteristics.
- Modular construction for ease of transportation and erection.
- Built in climbing rungs for ease of equipment maintenance.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom modifications and towers tailored to the customer's requirements.
- Bespoke items in excess of 20 metres.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Fixings included for telemetry receiver.
- Built in cable entry and exit points.
- Two metre sectional construction.
- Equipment loading up to 25kg.
- Buried root or flange-mounted versions available.
- Standard heights available from 4 to 10 metres.
- Compatible with WEC adaptors, accessories and anti-climbs.

Product Codes
Buried root type:
- ST4
- ST6
- ST8
- ST10

Flange-mounted type:
- ST4AF
- ST6AF
- ST8AF

(all ex-stock items)

Best Seller! ST6 range

WD Range

Design Features
- A cost-effective solution for achieving desired camera height.
- The tilt-over tower enables camera maintenance at ground level.
- An ideal installation where health & safety requirements are paramount.
- Off the shelf heights up to 12 metres.
- Maintenance and servicing easily and safely effected by one engineer.
- Rigid triangular lattice structure ensures excellent stability characteristics.
- Modular construction for ease of transportation and erection.
- A transferable winch unit allows multi-site servicing and leaves installation tamper proof.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom modifications and towers tailored to the customer's requirements.
- Heavy Duty versions now available

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Fixings included for telemetry receiver.
- Built in cable entry and exit points.
- Two metre sectional construction (3 metre on larger towers).
- Equipment loading up to 25kg.
- Buried root or flange-mounted versions available.
- Standard heights available from 4 to 12 metres.
- Compatible with WEC adaptors, accessories and anti-climbs.

Product Codes
Buried root type:
- WD4*
- WD6*
- WD8*
- WD10*
- WD10 HD - new!
- WD12
- WD12 HD - new!

Flange-mounted type:
- WD4AF*
- WD6AF*
- WD8AF*
- WD10AF

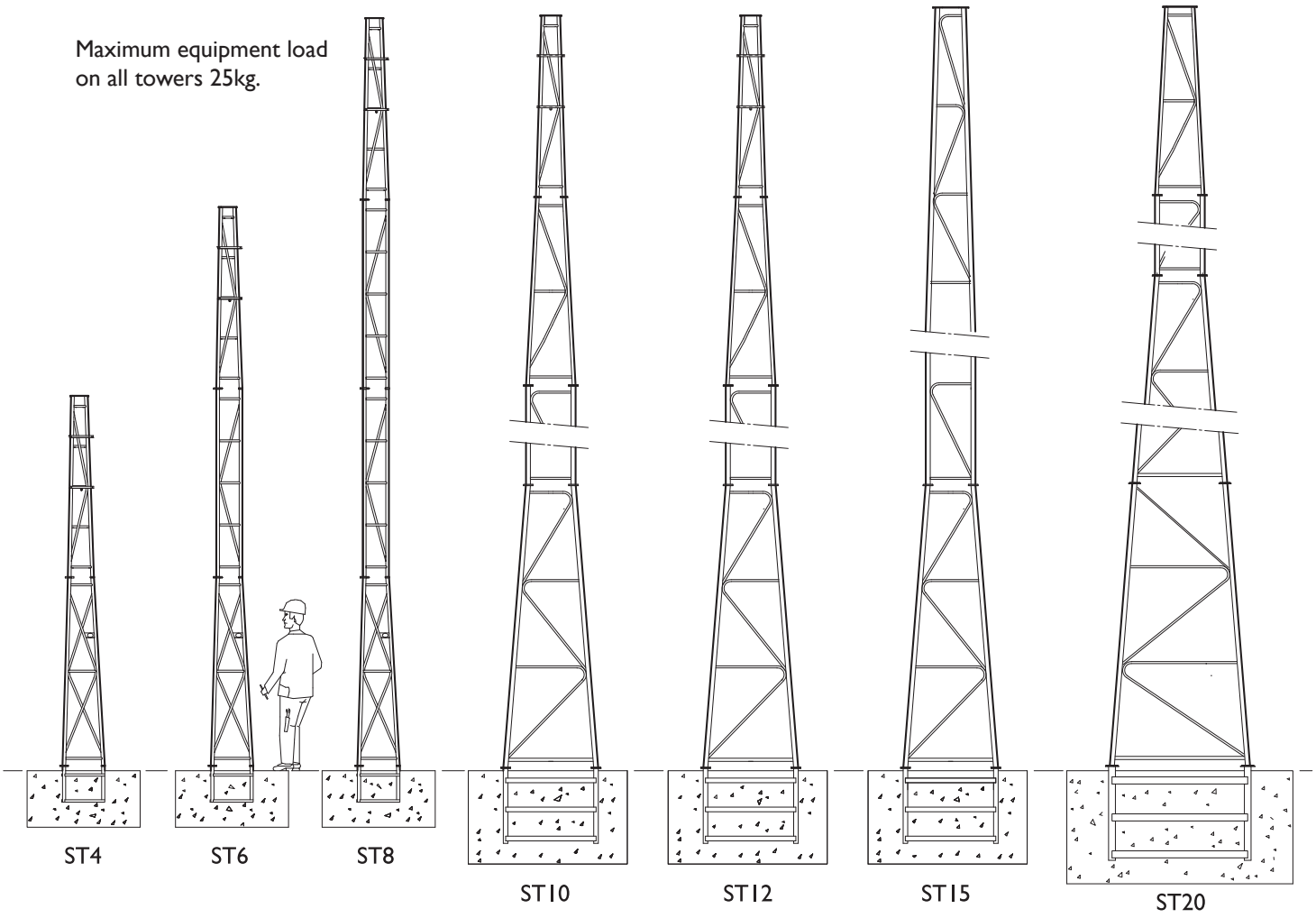
*Ex-stock items

New Product:! WD12 HD

Static Towers
ST Range

Technical Specification

Maximum equipment load on all towers 25kg.



General Specification

- Galvanized for maximum weather protection & low maintenance
- Standard pan and tilt fixings of 101.6 PCD
- Fixings included for telemetry receiver
- Built in cable entry and exit points
- Two and three metre sectional construction
- Equipment loading of up to 25kg
- Buried root or flange-mounted versions available
- Heights available from 4 to 20 metres
- Compatible with WEC adaptors and accessories

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

Accessories & Adaptors	
Part ref.	Description
ST/ACB1	Anti Climb Bracket
ST/ACB1-M	Security mesh welded in lower section
ST/Paint	Painting in BS4800 & RAL colours
STAF	Adaptor Flange Version
ST/SDA	Swept Dome Adaptor
ST/SDA2	Swept Dome Adaptor Dual
ST/TCA	Tower Clamp Adaptor
ST/PT1/S2	1 Pan & Tilt c/w 2 Static Adaptors
ST/TPTA	Twin Pan & Tilt Adaptor
ST/4SA	Quadruple Static Adaptor
ST/3SA	Triple Static Adaptor
ST/2SA	Twin Static Adaptor
ST/1SA	Pan & Tilt - Single fixed
ST/CS150-300	Column Spacers 150mm-300mm
ST/ARB1	Anti ram bollard (cast-in)

Product Ref & Ordering Information

ST 8 AF

- Static Tower
- Tower Height in Metres
- Adaptor Flange

All WEC products are subject to ongoing development. Therefore, we reserve the right to make technical modifications without notice.
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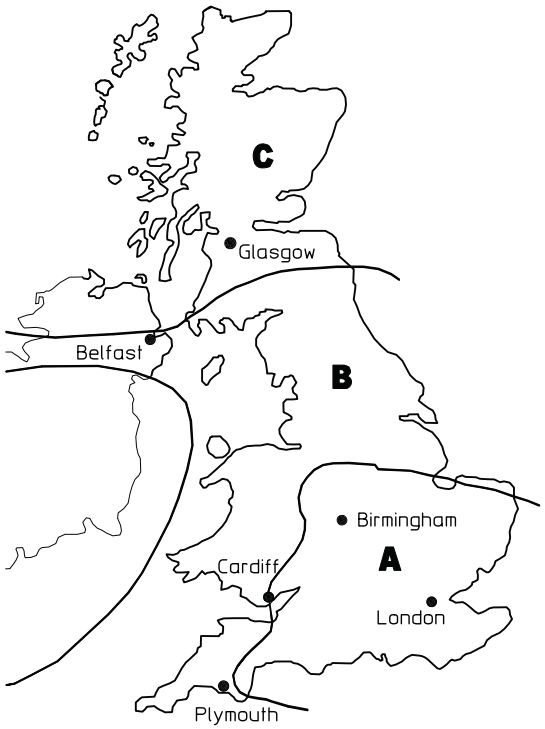
Static Towers
ST Range

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
ST4	4m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.
ST6	6m	1.2x1.2x 0.65m 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.	1.2x1.2x 0.6m Dp.
ST8	8m	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m D
ST10	10m	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.
ST12	12m	1.8x1.8x 0.9m Dp.	1.9x1.9x 0.95m Dp.	2.0x2.0x 1.0m Dp.	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.	1.9x1.9x 0.95m Dp.
ST15	15m	2.2x2.2x 1.1m Dp.	2.3x2.3x 1.15m Dp.	2.4x2.4x 1.2m Dp.	2.0x2.0x 1.0m Dp.	2.1x2.1x 1.05m Dp.	2.2x2.2x 1.1m Dp.
ST20	20m	2.5x2.5x 1.25m Dp.	2.7x2.7x 1.35m Dp.	2.8x2.8x 1.0m Dp.	2.4x2.4x 1.2m Dp.	2.6x2.6x 1.3m Dp.	2.7x2.7x 1.35m Dp.

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

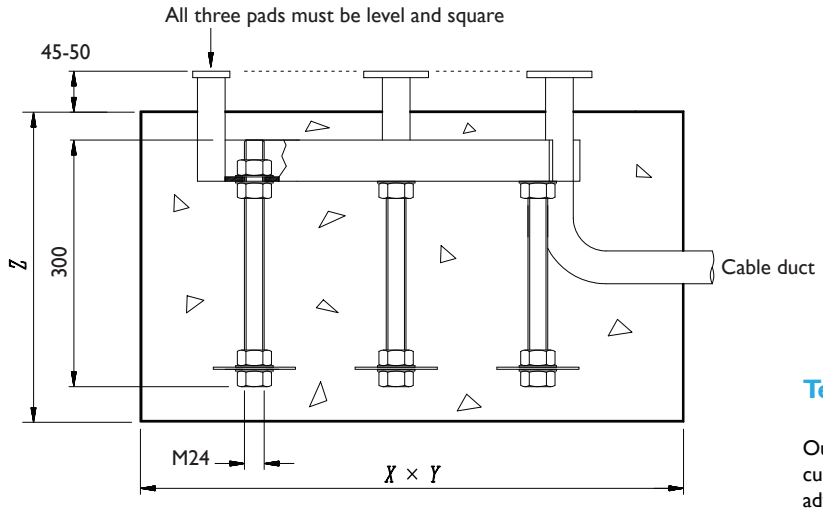


Installation Method

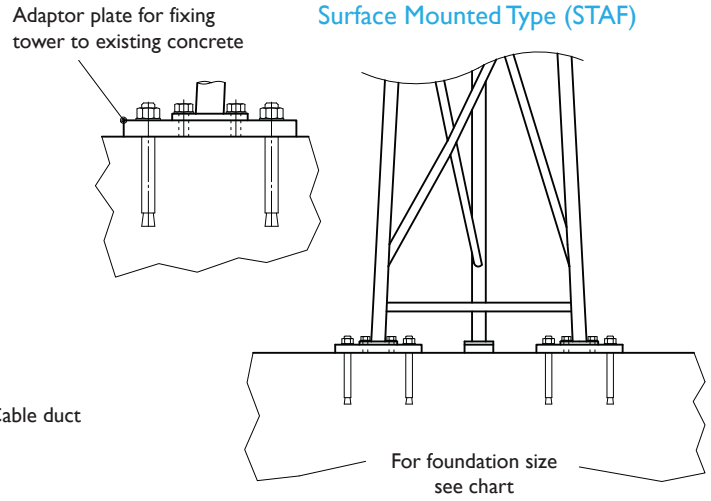
1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Place cable duct in position, if required, and firmly secure
5. Support root in the excavation using locally supplied timber or similar
6. Ensure all three mounting pads are level and protruding 45mm to 50mm above finished concrete level
7. Pour in concrete, ensuring a mix of C35 to table 6 BS 8110, tamp down and level surface
8. Check that all three pads are still level and leave to cure for a minumum of 72 hours prior to erecting the tower

Buried Root Type

fig. 1



Surface Mounted Type (STAF)



Technical Support

Our in-house design facility enables us to manufacture towers to any customer specification. The technical sales department will offer expert advise on any exact requirements. Full training and instruction on the erection of towers, fixings, safe use and procedures is available on all WEC products. Project engineers, installation teams and service engineers, will all benefit from practical demonstrations, all of which can be shown on our own test site facility.

All WEC products are subject to ongoing development. Therefore, we reserve the right to make technical modifications without notice.
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Tilt-Over Towers
WD Range

Technical Specification

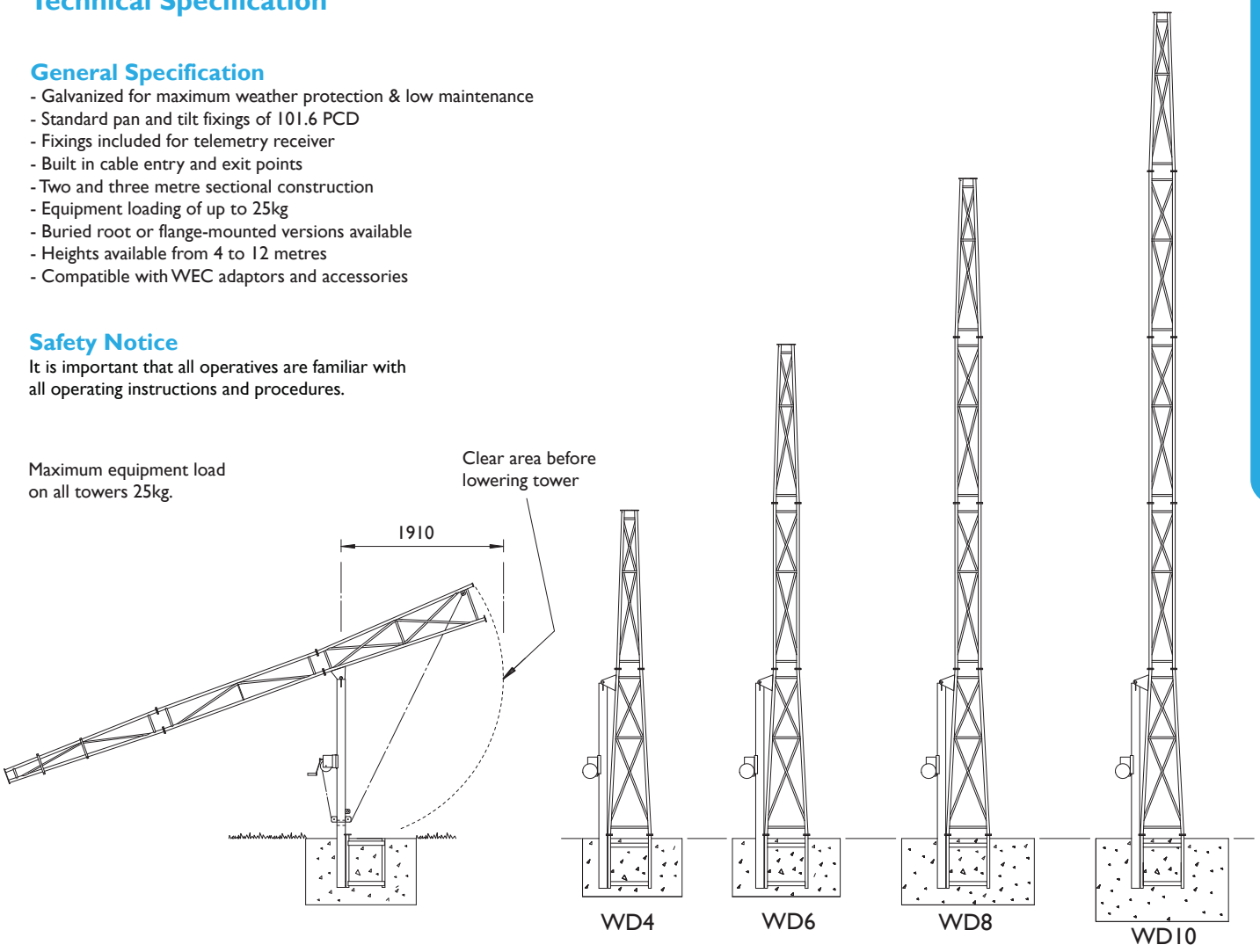
General Specification

- Galvanized for maximum weather protection & low maintenance
- Standard pan and tilt fixings of 101.6 PCD
- Fixings included for telemetry receiver
- Built in cable entry and exit points
- Two and three metre sectional construction
- Equipment loading of up to 25kg
- Buried root or flange-mounted versions available
- Heights available from 4 to 12 metres
- Compatible with WEC adaptors and accessories

Safety Notice

It is important that all operatives are familiar with all operating instructions and procedures.

Maximum equipment load on all towers 25kg.



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 BS5135:1984
- 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

Transferable winch unit allows reduced cost in multi-site servicing and secure installation.

WUA - Heavy duty
WUB - Light duty

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.

Ht.	Winch Selection	
4m	WUA	WUB
6m	WUA	WUB
8m	WUA	—
10m	WUA	—

Accessories & Adaptors	
Part ref.	Description
WD/ACB1	Anti Climb Bracket
WD/ACB1-M	Security mesh welded in lower section
WD/Paint	Painting in BS4800 & RAL colours
WDAF	Adaptor Flange Version
WD/SDA	Swept Dome Adaptor
WD/SDA2	Swept Dome Adaptor Dual
WD/TCA	Tower Clamp Adaptor
WD/PT1/S2	1 Pan & Tilt c/w 2 Static Adaptors
WD/TPTA	Twin Pan & Tilt Adaptor
WD/4SA	Quadruple Static Adaptor
WD/3SA	Triple Static Adaptor
WD/2SA	Twin Static Adaptor
WD/1SA	Pan & Tilt - Single fixed
WD/CS150-300	Column Spacers 150mm-300mm
WD/ARB1	Anti ram bollard (cast-in)

Scan this code on your smartphone to access our Product Operating Instructions and Videos or please visit our website

Product Ref & Ordering Information

WD 8 AF

- WD — Wind down
- 8 — Tower height in metres
- AF — Adaptor flange

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WD6	6m	1.2x1.2x 0.6m Dp.	1.3x1.3x 065m Dp.	1.3x1.3x 0.65m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.
WD8	8m	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.
WD10	10m	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.

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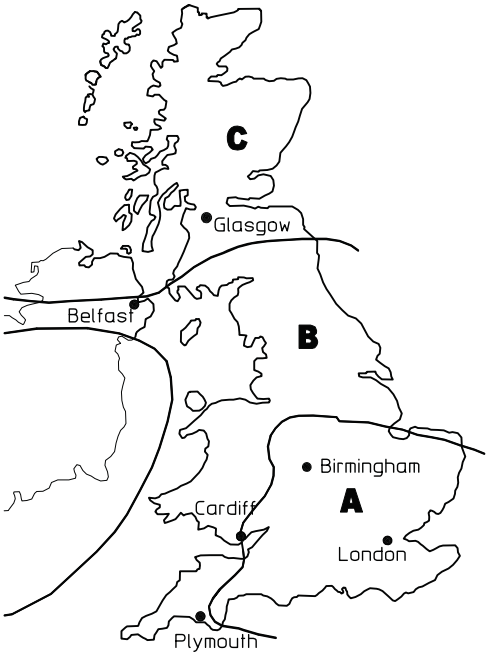

Installation Method

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2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Place cable duct in position, if required, and firmly secure
5. Support root in the excavation using locally supplied timber or similar
6. Ensure all three mounting pads are level and protruding 45mm to 50mm above finished concrete level
7. Pour in concrete, ensuring a mix of C35 to table 6 BS 8110, tamp down and level surface
8. Check that all three pads are still level and leave to cure for a minumum of 72 hours prior to erecting the tower

Technical Support

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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)

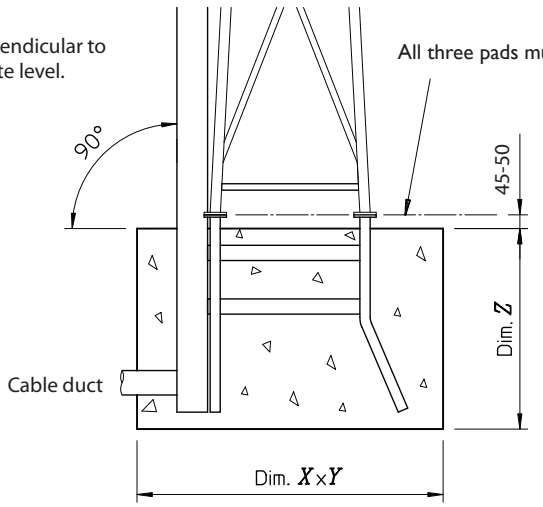
Maximum gust speed is likely to be exceeded on average once every 50 years at 10m above the ground in open level country.

fig. 1

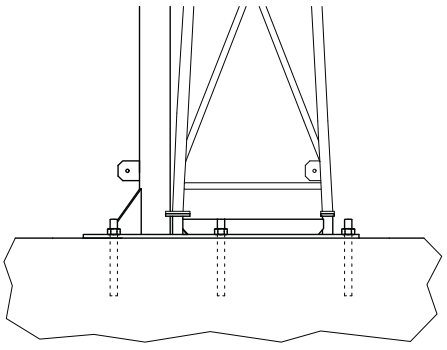
Buried Root Type (WD)

Ensure mast is perpendicular to the finished concrete level.

All three pads must be level and square



Adaptor Flange Mounted Type



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Tilt-Over Towers
WDT Range

WDT Range *NEW*

The new WDT tilt-over lattice tower designed and built by WEC is a highly cost-effective camera tower which enables our customers to achieve desired camera height.

Supplied in 2m sections, this triangular Lattice Construction provides excellent stability characteristics for all camera types. The WDT Tower was designed with the installers in mind and is offered with the option of a fully cable management system and flush fitting doors fitted as standard on the 4m and 6m models.

Features:
- Fully Cable Managed Facility (Optional)
- Flush Fitting Door for additional security on the 4m and 6m models
- Easier Maintenance
- Sectional Construction for ease of installation and shipping
- Standard Heights 4, 6, and 8m held in stock. Other heights available on request.

Tilt-Over Towers
WDT Range

WDT Range

Design Features

- Cost effective solution for achieving desired camera height.
- Triangular Lattice Construction provides excellent stability characteristics.
- Ideal for exposed environments where stability is of paramount importance.
- Tilt over facility enables camera servicing at ground level by single engineer.
- Base plate mounting providing quick and easy erection.
- Stocked in heights up to 8m.
- Modular Construction in 2m sections allows for easy erection and extension if required.
- Transferable/removable winch unit ensures installations are secure and reduces installation cost.
- Hot dipped galvanised to ISO1461 for maximum protection against even the harshest environments.
- Towers can be customised to suit customers' specific requirements.

General Specifications

- Standard 101.6mm PCD fixing can be modified on request.
- Bolt down version using a template and bolt set.
- Built in cable entry and exit points.
- Typical equipment loading up to 25kg for greater loads please contact us.
- Standard Heights 4, 6, 8m. Other heights on request.
- Compatible with all WEC accessories.

Product Codes

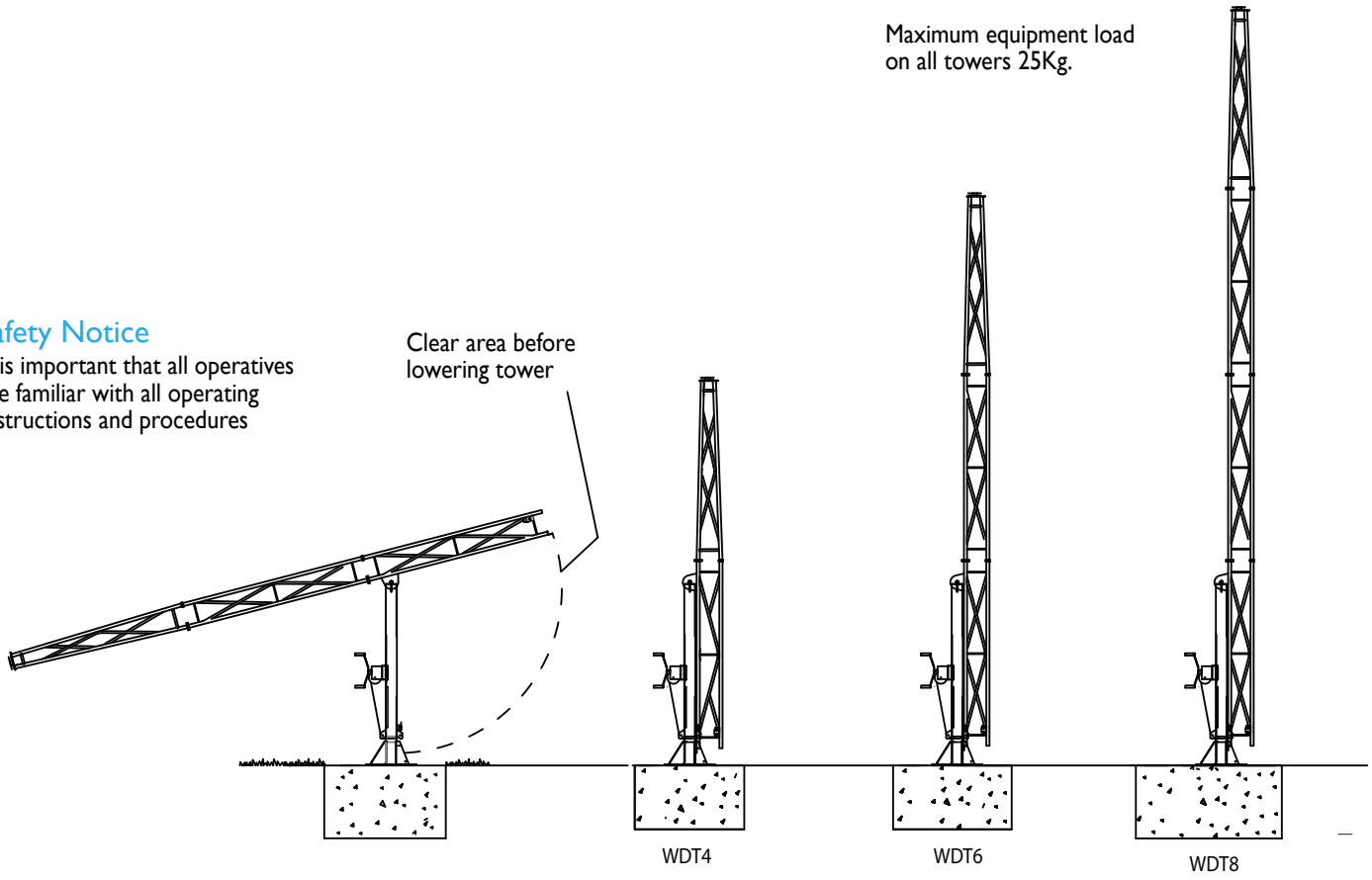
- WDT4* - new!
- WDT6* - new!
- WDT8* - new!
- WDT10 - new!

*Ex-stock items

WDT8 in Tilt Position

Tilt-Over Towers
WDT Range

Technical Specification



Safety Notice

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General Specification

- Galvanized for maximum weather protection & low maintenance
- Standard pan and tilt fixings of 101.6 PCD
- Fixings included for telemetry receiver
- Built in cable entry and exit points
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Standards Applicable

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6m	WUA	WUB
8m	WUA	—
		—

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WDT/ACB1-M	Security mesh welded in lower section
WDT/Paint	Painting in BS4800 & RAL colours
--------	----------
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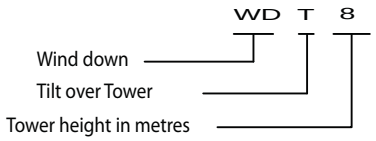
WDT/SDA2	Swept Dome Adaptor Dual
WDT/TCA	Tower Clamp Adaptor
WDT/PT1/S2	1 Pan & Tilt c/w 2 Static Adaptors
WDT/TPTA	Twin Pan & Tilt Adaptor
WDT/4SA	Quadruple Static Adaptor
WDT/3SA	Triple Static Adaptor
WDT/2SA	Twin Static Adaptor
WDT/1SA	Pan & Tilt - Single fixed
WDT/CS150-300	Column Spacers 150mm-300mm
WDT/ARB1	Anti ram bollard (cast-in)

Product Ref & Ordering Information



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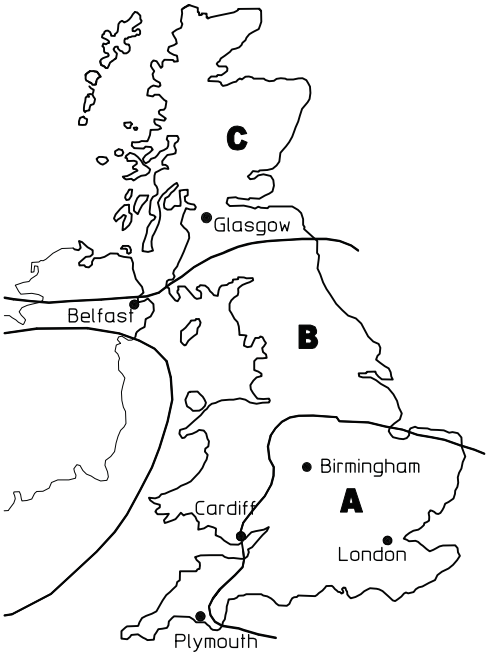
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

Tilt-Over Towers
WDT 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
WDT4	4m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.
WDT6	6m	1.2x1.2x 0.6m Dp.	1.3x1.3x 065m Dp.	1.3x1.3x 0.65m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.
WDT8	8m	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.

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



Installation Method

1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Insert root section into hole as shown in fig. 1
4. Place cable duct in position, if required, and firmly secure
5. Support root in the excavation using locally supplied timber or similar
6. Ensure all three mounting pads are level and protruding 45mm to 50mm above finished concrete level
7. Pour in concrete, ensuring a mix of C35 to table 6 BS 8110, tamp down and level surface
8. Check that all three pads are still level and pivot post is perpendicular
9. Leave to cure for a minumum of 72 hours prior to erecting the tower

Technical Support

Our in-house design facility enables us to manufacture towers to any customer specification. The technical sales department will offer expert advise on any exact requirements. Full training and instruction on the erection of towers, fixings, safe use and procedures is available on all WEC products. Project engineers, installation teams and service engineers, will all benefit from practical demonstrations, all of which can be shown on our own test site facility.

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

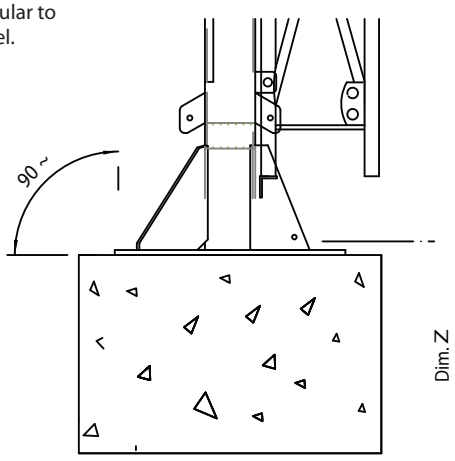
Area A = 44m/s (98mph)
Area B = 48m/s (107mph)
Area C = 52m/s (116mph)

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

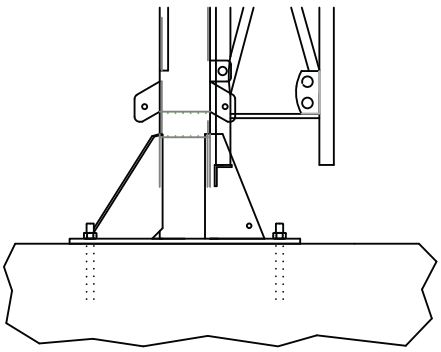
fig. 1

FM Root (Standard)

Ensure mast is perpendicular to the finished concrete level. Check using a spirit level



FM Root - Mounted Type (WDT)



For foundation size see chart above

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Fixed & Tilt-Over Tubular Columns
FMT and TPT Range

FMT Range

The highly popular FMT range offers an extremely cost-effective, unobtrusive and practical solution for many camera mounting scenarios. This versatile tubular CCTV column is supplied with a lockable access door and backboard for terminations. Suitable for installation in all areas, this range remains the specifiers preferred choice for the cost-conscious.

TPT Range

The TPT range provides the ultimate in attractive, low maintenance, engineer friendly camera mounting solutions. This CCTV column offers ease of installation, with the major benefit of safe ground level servicing. The TPT range is a robust version of the tilting column, featuring a square section lower post, with a tubular upper section. Suitable for mounting in low risk public areas, the TPT range offers many practical engineering benefits, along with being unobtrusive and aesthetically pleasing.

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Fixed & Tilt-Over Tubular Columns
FMT and TPT Range

FMT Range

Design Features
- A cost-effective solution for achieving desired camera height.
- Excellent stability characteristics for minimal camera movement.
- Suitable for all public access areas.
- A desirable column where aesthetics are of importance.
- Flange-mounted 'FM' type root.
- Direct buried column versions - 'DB'.
- 'Pocket' type roots available for restricted foundation locations.
- Totally concealed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.
- Clamp on camera brackets available.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Inspection/jointing aperture with backboards as standard.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights up to 12 metres.
- Camera mount bracket adaptors available.
- Heavy Duty versions now available

Product Codes
Tubular Columns:
- FMT3*
- FMT4*
- FMT5*
- FMT5 HD* - new!
- FMT6*
- FMT6 HD* - new!
- FMT8*
- FMT8 HD - new!
- FMT10
- FMT10 HD - new!
- FMT12

*Ex-stock items

- DBT3
- DBT4
- DBT5
- DBT6
- DBT8
- DBT10
- DBT5HD
- DBT6HD
- DBT8HD
- DBT10HD

Best Seller! FMT6

TPT Range

Design Features
- Solid and practical designs.
- The tilt-over column enables camera maintenance at ground level.
- Ideal installations where health & safety requirements are paramount.
- Maintenance and servicing easily and safely effected by one engineer.
- Rigid structure ensures excellent stability characteristics.
- A transferable winch unit allows multi-site servicing and leaves installation tamper proof.
- A desirable column where aesthetics are of importance.
- Flange-mounted 'FM' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Totally concealed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.
- Bespoke items available.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights from 4 to 10 metres.
- Heavy Duty versions now available

Product Codes
Tubular Columns:
- TPT4*
- TPT5* - new!
- TPT6*
- TPT6 HD - new!
- TPT8*
- TPT8 HD - new!
- TPT10

*Ex-stock items

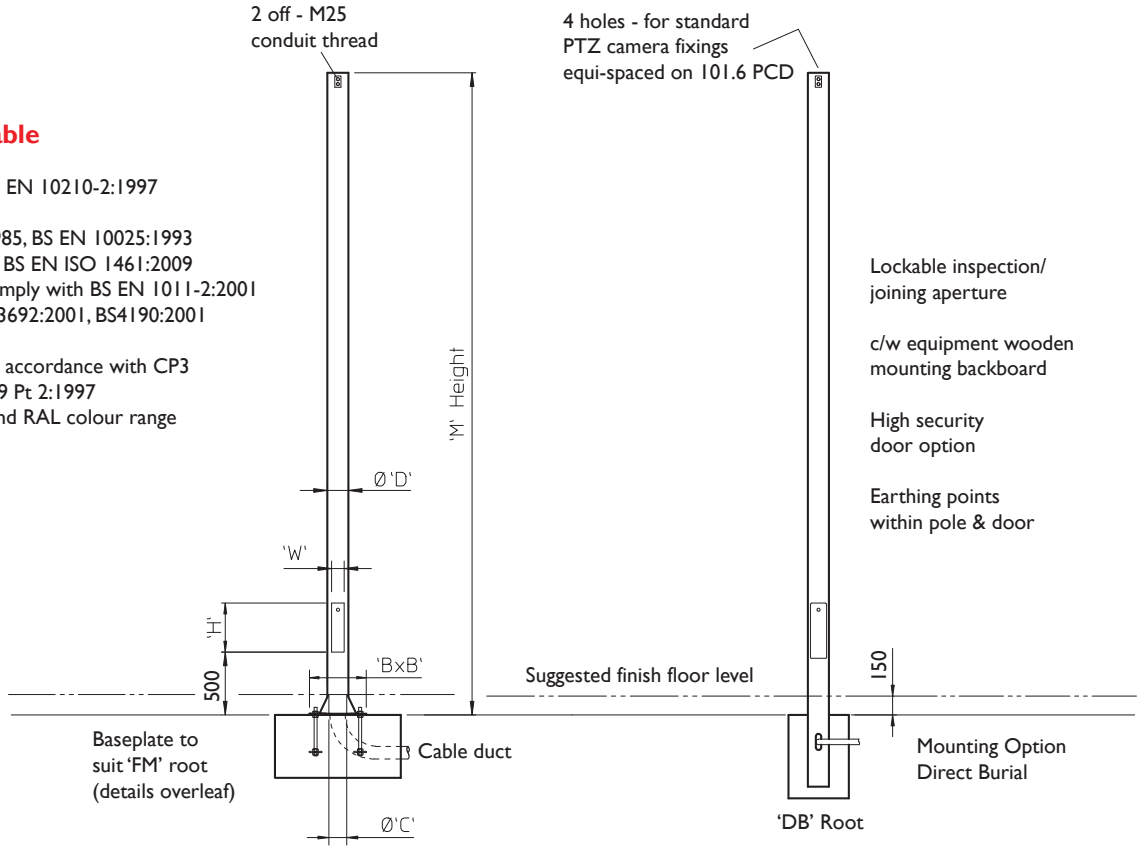
Best Seller! TPT6 range

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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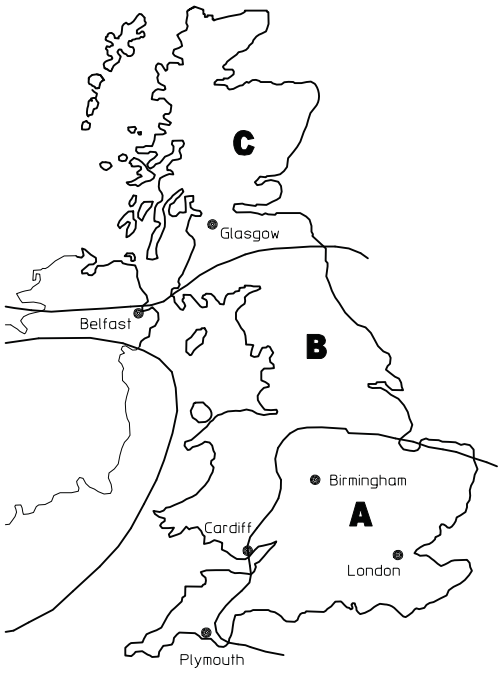
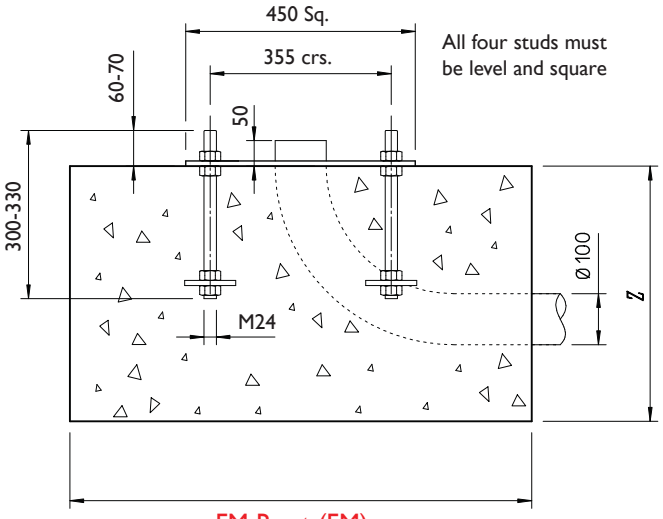
Tubular Columns
FMT Range

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
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

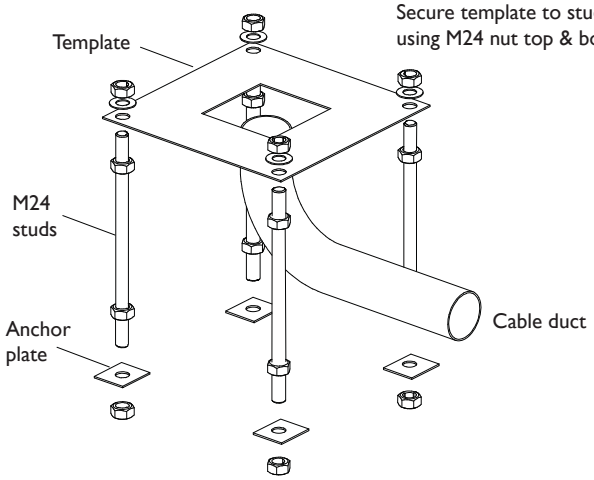




FM Root (FM)

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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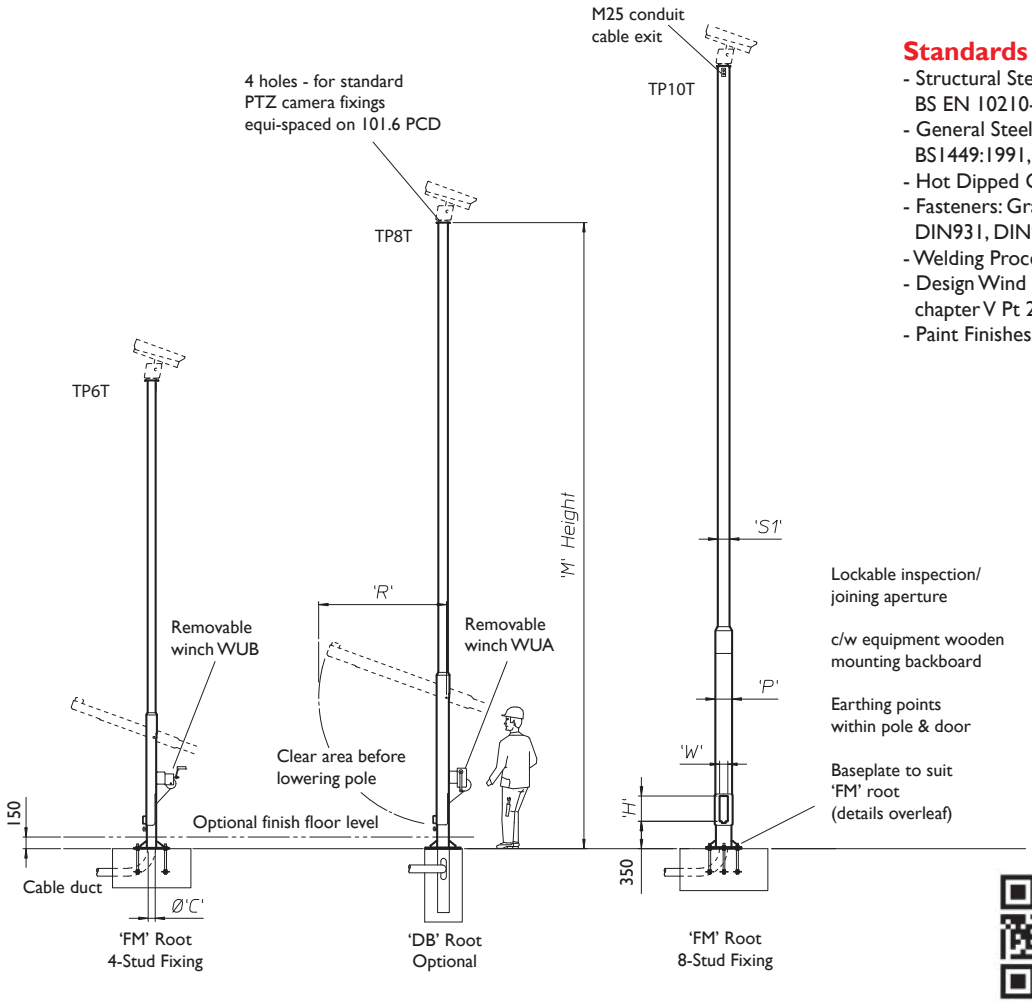
Tilt-Over Tubular Columns
TPT Range

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
TP4T	4 mtr.	1150	120x120	ø114	325 x 105	Ø108	25Kg.	92 Kgs.	WUA or WUB
TP5T	5 mtr.	1150	120x120	ø114	325 x 105	Ø108	25Kg.	100Kgs.	WUA or WUB
TP6T	6 mtr.	1150	120x120	ø114	325 x 105	Ø108	25Kg.	140Kgs.	WUA or WUB
TP8T	8 mtr.	1650	150x150	ø139	325 x 105	Ø140	25Kg.	305Kgs.	WUA
TP10T	10 mtr.	2150	200x200	ø193	325 x 105	Ø200	25Kg.	335Kgs.	WUA

All dimensions in mm unless otherwise stated

TPT/WUA Heavy Duty
TPT/WUB Light Duty



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
- Fasteners: Grade 8.8 BS3692:2001, BS4190:2001 DIN931, DIN934
- Welding Procedures: Comply with BS EN 1011-2:2001
- 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 on our website!

Accessories & Adaptors

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

TPT/CS150-300	Column Spacers 150mm-300mm
TPT/TBC	Telemetry Clamp Bracket
TPT/HSD-F	High Security Door Option
TPT/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 T DB

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

Tilt-Over Tubular Columns
TPT 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
TP4T	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.
TP5T	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.
TP6T	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.
TP8T	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.
TP10T	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.

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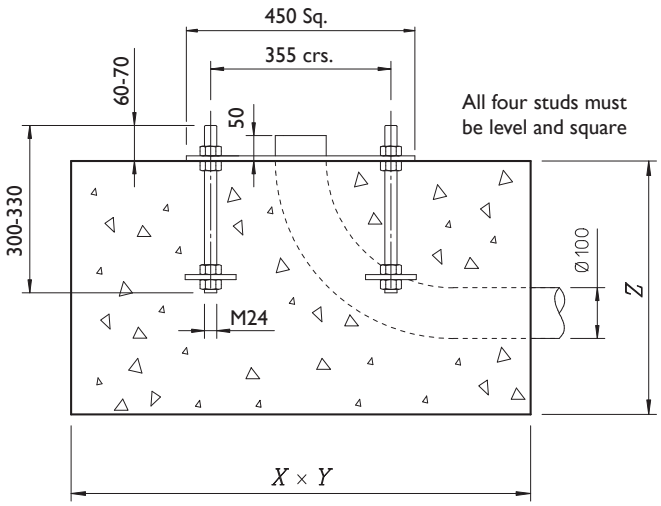
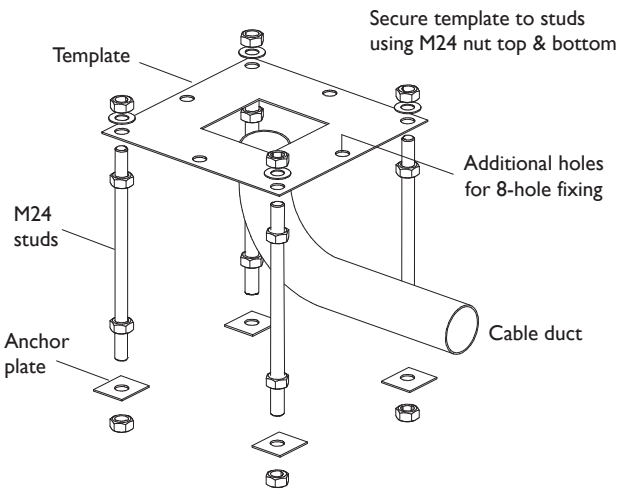


FM Root (FM)

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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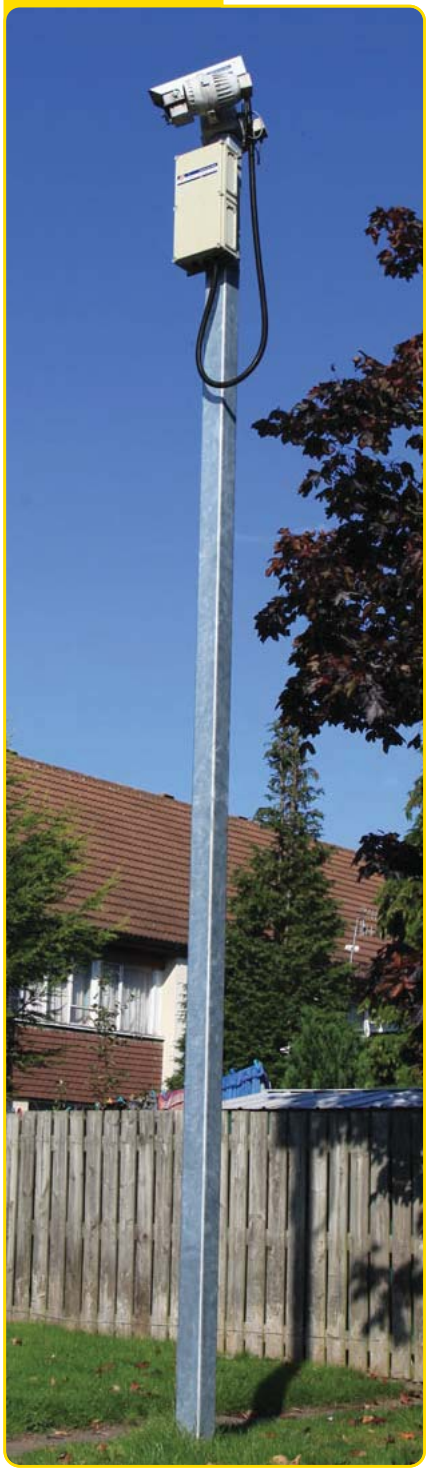
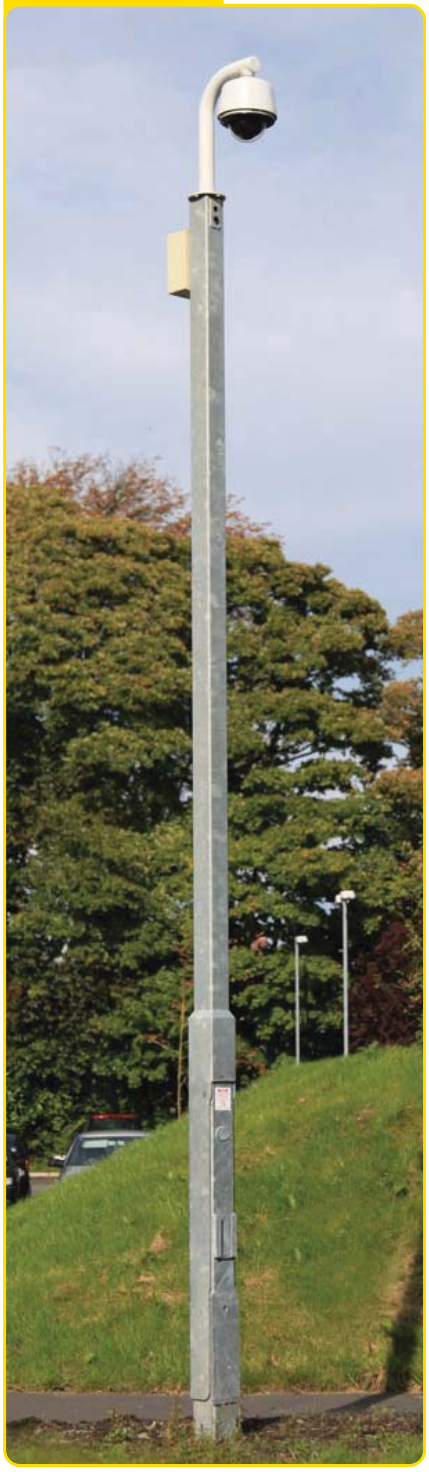
Fixed & Tilt-Over Square Section Columns
FMS and TPS Range

FMS Range



The ever popular FMS square section range offers an extremely cost-effective, unobtruse practical solution to many camera mounting scenarios. The versatile columns come complete with lockable access doors and backboard for terminations. Suitable for installation in all areas, this range remains a favourite with specifiers and the cost-conscious.

TPS Range



The TPS range provides undoubtedly one of the best low cost, low maintenance, engineer friendly camera mounting solutions. This CCTV column offers ease of installation, with the major benefit of safe ground level servicing. The TPS range is a light/medium duty version of a tilting column, manufactured throughout from square section steel. Suitable for mounting in low risk public areas, the TPS range offers many practical engineering benefits, along with being unobtrusive and aesthetically pleasing.

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Fixed & Tilt-Over Square Section Columns
FMS and TPS Range

FMS Range

Design Features
- A cost-effective solution for achieving desired camera height.
- Excellent stability characteristics for minimal camera movement.
- Suitable for all public access areas.
- A desirable column where aesthetics are of importance.
- Flange-mounted 'FM' type root.
- Direct buried column versions - 'DB'.
- 'Pocket' type roots available for restricted foundation locations.
- Totally concealed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.
- CCTV camera mounts available.
- Heavy Duty versions now available

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Inspection/jointing aperture with backboards as standard.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights up to 8 metres.

Product Codes
Square Section Columns:
- FMS3*
- FMS4*
- FMS5*
- FMS5 HD - new!
- FMS6*
- FMS6 HD - new!
- FMS8

*Ex-stock items

- DBS3
- DBS4
- DBS5
- DBS6
- DBS8

Best Seller! FMS4

TPS Range

Design Features
- Solid and practical designs.
- The tilt-over column enables camera maintenance at ground level.
- Ideal installation where health & safety requirements are paramount.
- Maintenance and servicing easily and safely effected by one engineer.
- Rigid structure ensures excellent stability characteristics.
- A transferable winch unit allows multi-site servicing and leaves installation tamper proof.
- A desirable column where aesthetics are of importance.
- 'Pocket' type roots available for restricted foundation locations.
- Totally concealed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.
- Bespoke items available.
- Heavy Duty versions now available

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights from 4 to 10 metres.

Product Codes
Tubular Columns:
- TPS4*
- TPS5* - new!
- TPS6*
- TPS6 HD - new!
- TPS8*
- TPS8 HD - new!
- TPS10

*Ex-stock items

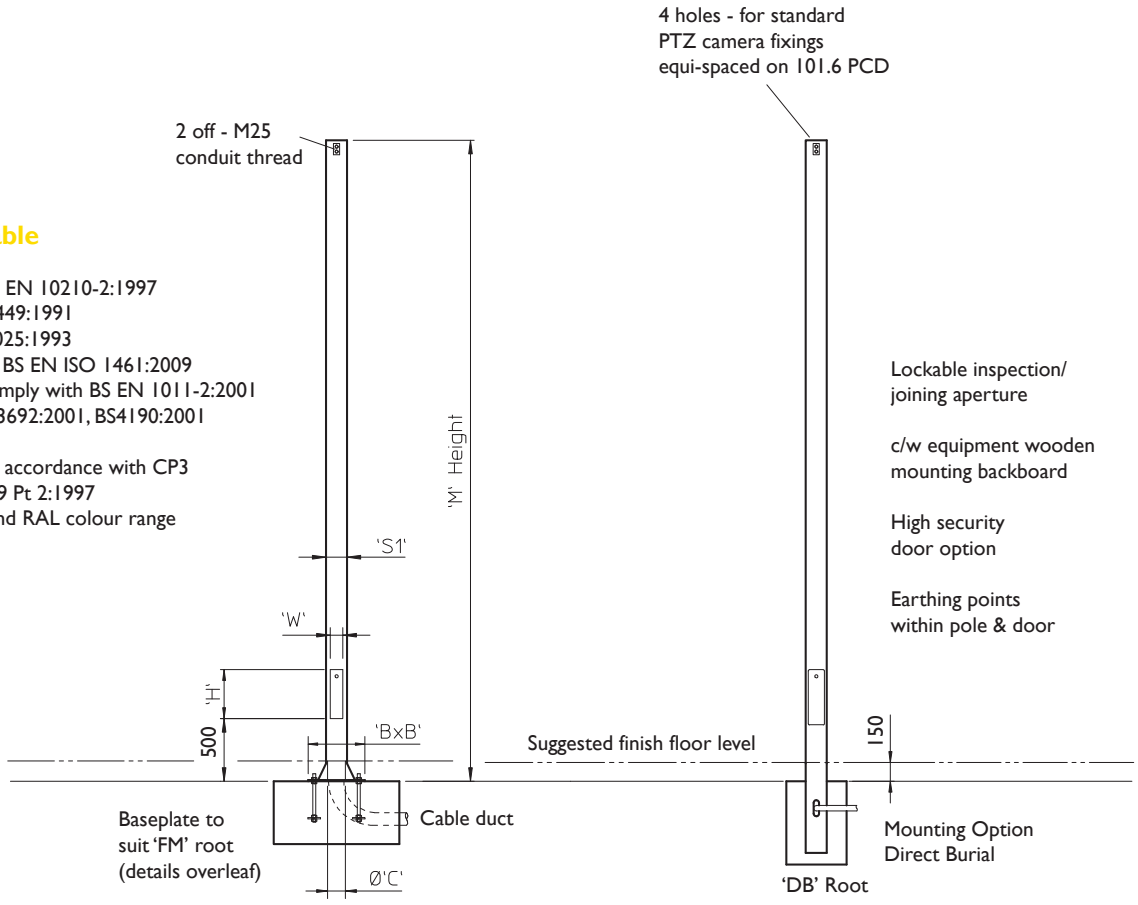
New Stock Item! TPS5

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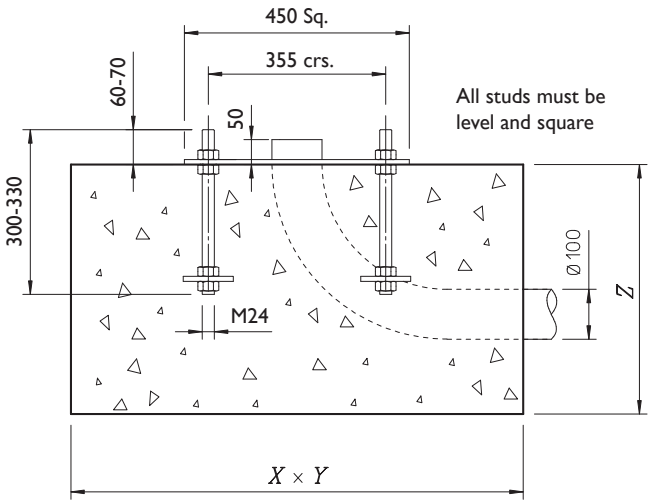
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

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

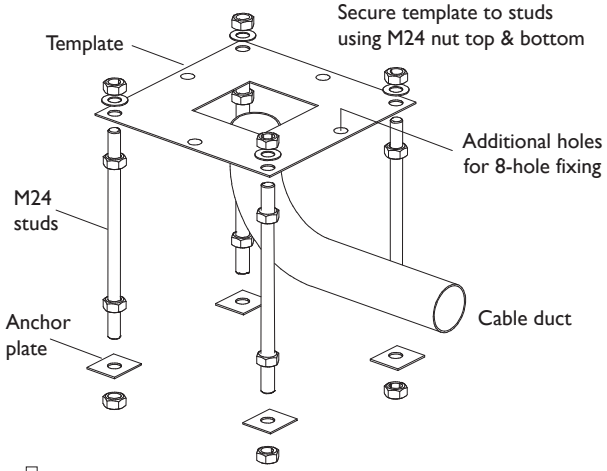


FM Root (FM)

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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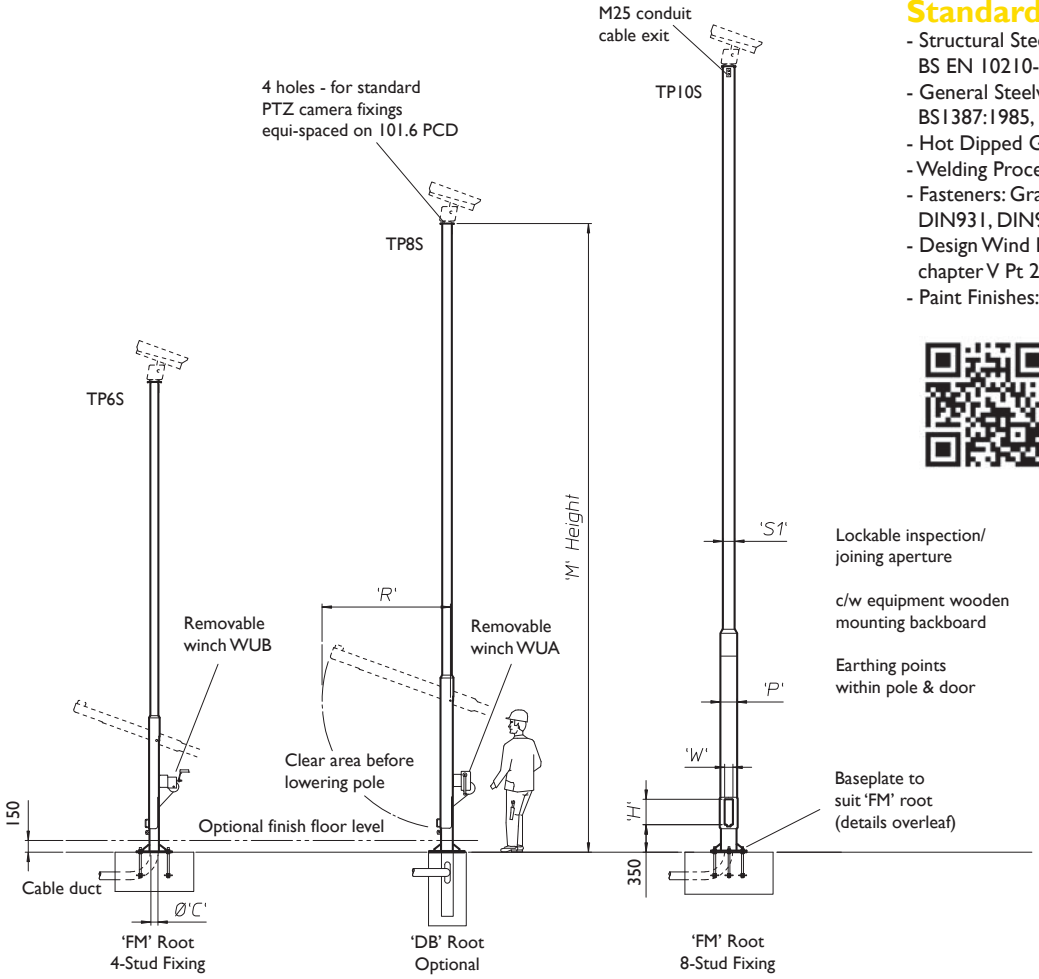
Tilt-Over Square Section Columns
TPS Range

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)

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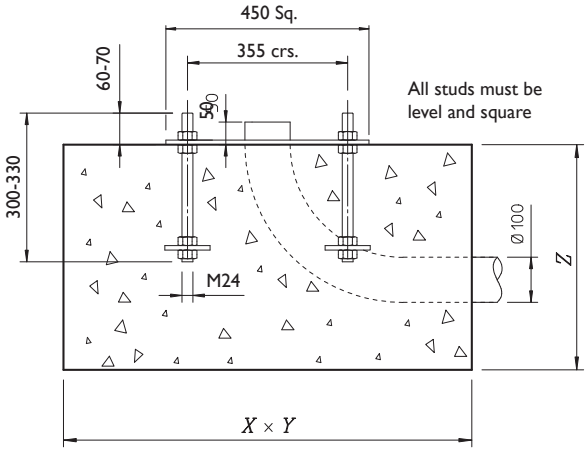
Tilt-Over Square Section Columns
TPS Range

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

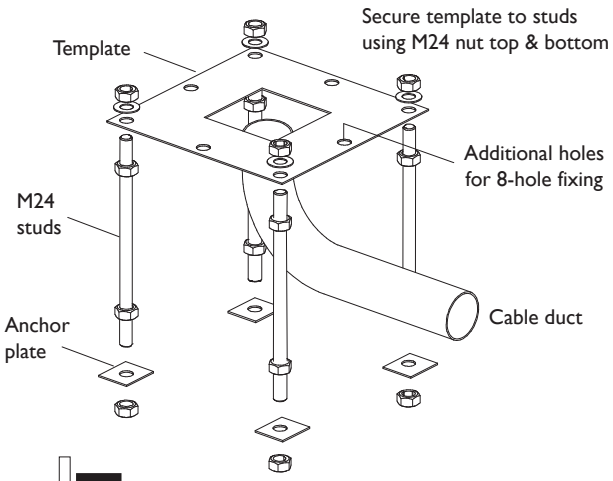


FM Root (FM)

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.

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Modular Tilt-Over Square Columns
MTP Range

MTP Range - *NEW*

The new MTP modular tilt-over square column designed and built by WEC is a highly cost-effective camera column which enables our customers to achieve desired camera height.
Supplied in sections for easy assembly and transportation, this square column is a product of choice for our large export market

The MTP Column was designed with the installers in mind and is offered in heights of 4, 6, and 8m. The newly designed flush fitting door gives added protection against leverage and are fitted as standard.

Features:
- Flush Fitting Door for additional security
- Tilt-over facility for easier maintenance
- Sectional construction for ease of installation and shipping
- Standard Heights 4 and 6m held in stock.
- Easily loaded into shipping containers
- totally concealed cable management facility

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Tilt-Over Square Columns
MTP Range

MTP Range

Design Features

- Cost effective solution for achieving desired camera height.
- Modular construction makes this unit ideal for inaccessible areas as sections can usually be by hand.
- Stable structure for all camera types
- Tilt over facility enables camera servicing at ground level by single engineer.
- Modular Construction in sections allows for easy erection and extension if required
- Stocked in heights up to 8m. Other heights on request.
- Lockable access door is provided as standard.
- Transferable/removable winch unit ensures installations are secure and reduces installation cost.
- Hot dipped galvanised to ISO1461 for maximum protection against even the harshest environments.
- Columns can be customised to suit customers' specific requirements.
- Fully concealed cable pathway.

General Specifications

- Standard 101.6mm PCD fixing can be modified on request.
- Bolt down version using a template and bolt set.
- Built in cable entry and exit points.
- Typical equipment loading up to 25kg for greater loads please contact us.
- Standard Heights 4, 6, 8m. Other heights on request.
- Compatible with all WEC accessories.

Product Codes

- MTP4* - new!
- MTP6* - new!
- MTP8 - new!

*Ex-stock items

WDT8 in Tilt Position

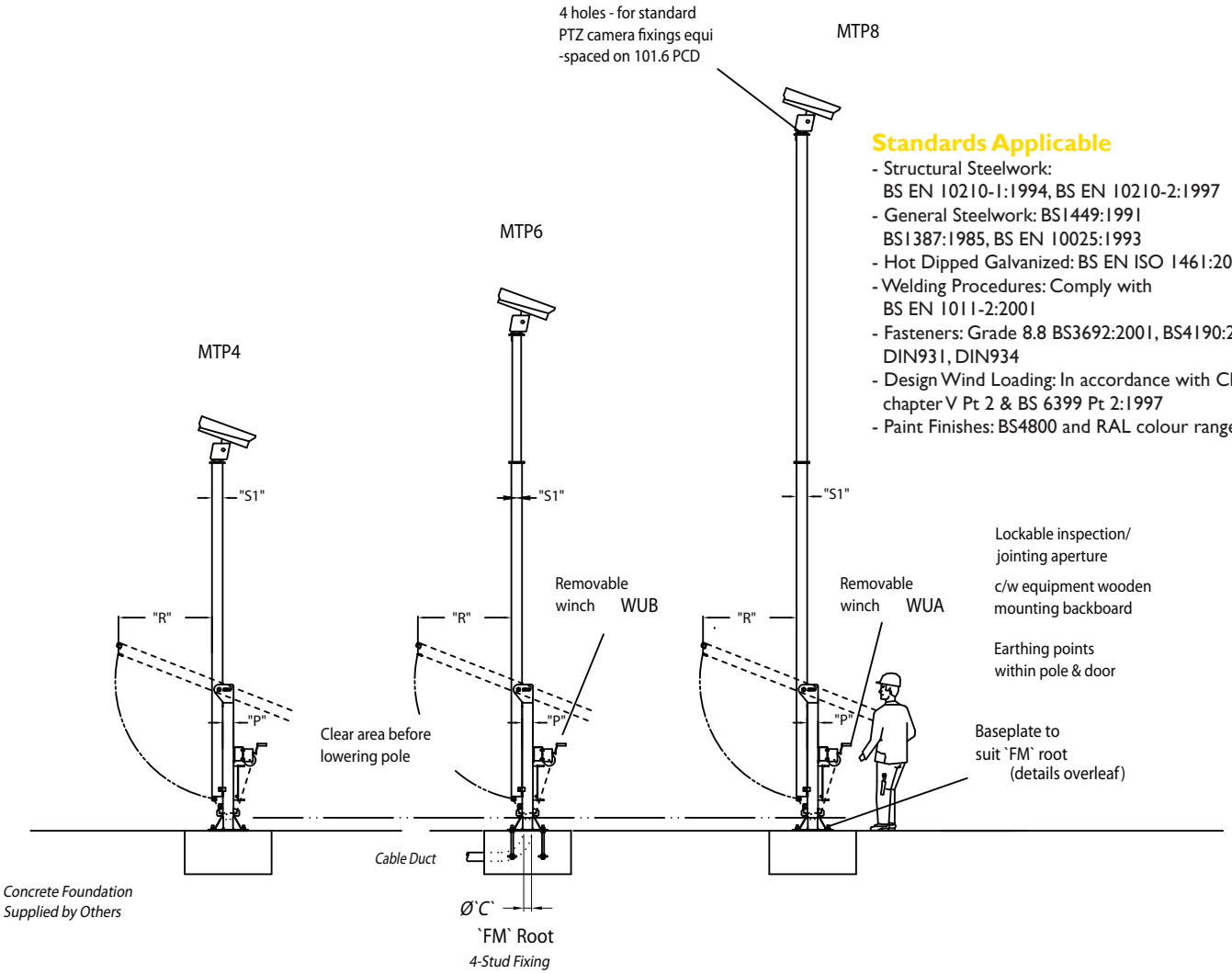
Modular Tilt-Pole Square Section
MTP Range

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
MTP4	4 mtr.	1300	120x120	100X100	390 x 84	Ø108	25Kg.	121Kgs.	WUA or WUB
MTP6	6 mtr.	1300	120x120	100X100	390 x 84	Ø108	25Kg.	145Kgs.	WUA or WUB
MTP8	8 mtr.	1300	120X120	120X120	390 x 84	Ø108	25Kg.	191Kgs.	WUA or WUB

All dimensions in mm unless otherwise stateo

MTP/WUA Heavy duty
MTP/WUB Light duty



Standards Applicable

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- 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

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

Accessories & Adaptors

TP_S/2SA	Twin Static Adaptor
TP_S/1SA	Pan & Tilt - Single fixed
TP_S/CS150-300	Column Spacers 150mm-300mm
TP_S/TBC	Telemetry clamp bracket

Removable winches
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Product Ref and Ordering Information

M T P 6

Product (Modular)
Product (Tilting Pole)
Pole Height in Metres

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Tilt-Over Square Section Columns
MTP 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
MTP4	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.
MTP6	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.
MTP8	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.

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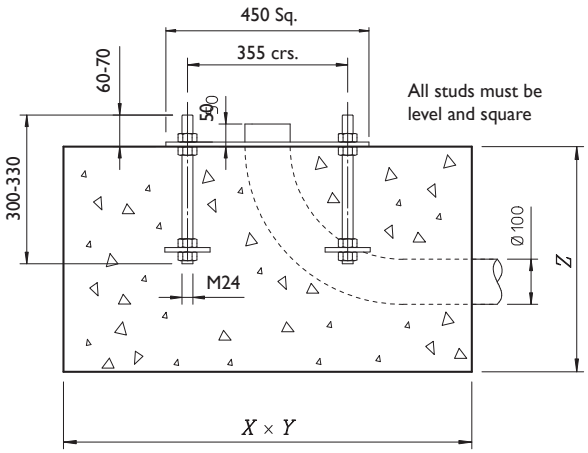
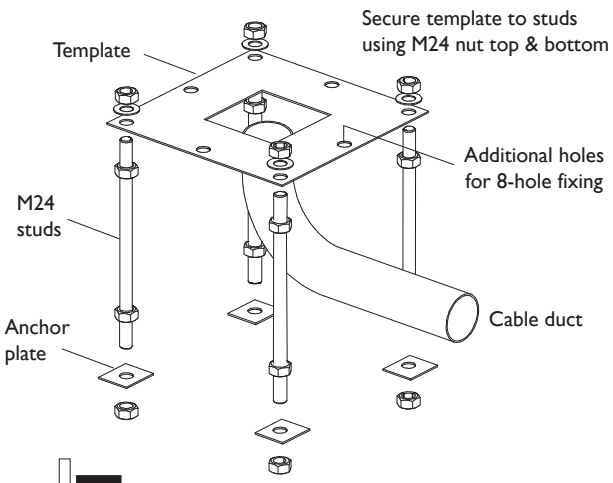


FM Root (FM)

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

fig. 1

FM Root Assembly



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Decorative and Lamp Post Style Columns
FMV and LPS Range

FMV Range

LPS Range

The original and highly popular FMT tubular section range has, over a period of time, evolved into more decorative and aesthetically pleasing versions. The FMV range is the modern day CCTV version of the Victorian gas light column and amongst its features are ornamental cast iron decorations to the base, shoulder and shaft. This 'retro' column is now the consultants and specifiers first choice for heritage sensitive applications. The sister column to the FMV is the LPS. This version of the FMT emulates the traditional street lighting column, whereby the column has a larger circular base section, tapering into the standard shaft. The base section, before tapering into the CCTV shaft, is larger than the normal streetlight and has the ability to house control equipment.

Decorative and Lamp Post Style Columns
FMV and LPS Range

FMV Range

Design Features
- Excellent stability characteristics for minimal camera movement.
- Suitable for all public access areas.
- Highly recommended for heritage sensitive applications.
- Flange-mounted 'FM' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Totally concealed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Inspection/jointing aperture with backboards as standard.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Standard paint finished included on FMV columns.
- Variety of standard heights up to 6 metres.

Product Codes
Victorian Range:
- FMV4
- FMV5
- FMV6

Various colours and finishes available!

LPS Range

Design Features
- Excellent stability characteristics for minimal camera movement.
- A desirable column where aesthetics are of prime importance.
- Suitable for all public access areas.
- Flange-mounted 'FM' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Heavy duty versions available.
- Totally concelaed cable management facility.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Inspection/jointing aperture with backboards as standard.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights up to 10 metres.

Product Codes
Street Light Style Columns:
- LPS4
- LPS5
- LPS6
- LPS8
- LPS10
- LPS8HD
- LPS10HD

Also available in Stainless Steel!

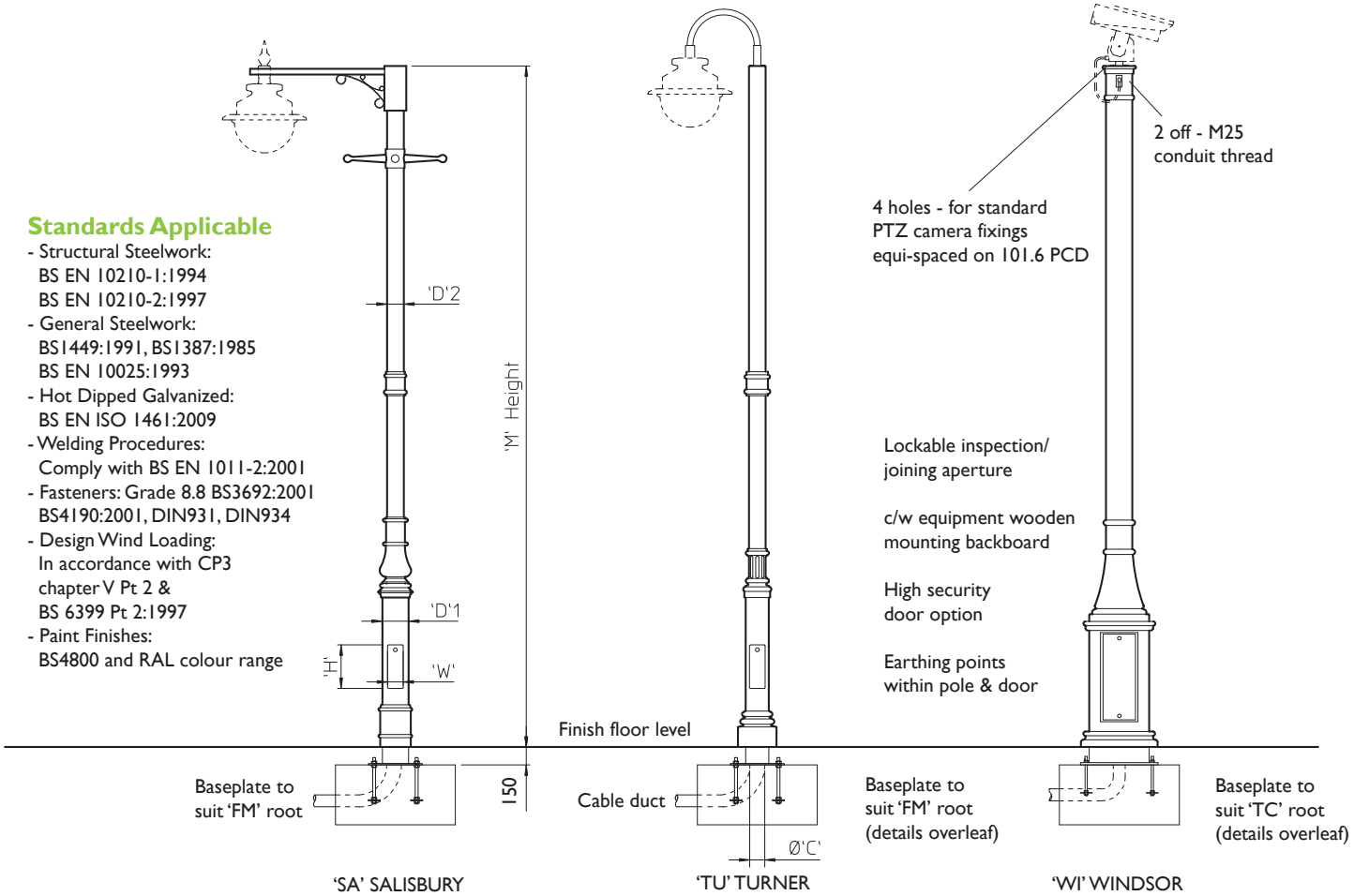
Technical Specification

Model Ref.	'M' Height	Base size 'D1'	Column size 'D2'	Baseplate size 'L x W'	Cable access hole Ø'C'	Door aperture 'H' x 'W'	Maximum equip cap'ty	Weight Kgs.
FMVSA3		Ø168	Ø114	450 x 450	Ø200	455 x 110	25Kg.	192Kg.
FMVTU3	3 metres	Ø193	Ø139	450 x 450	Ø180	360 x 110	25Kg.	175Kg.
TCVWI3		500 Sq.	Ø168	645 x 645	Ø250	746 x 312	25Kg.	216Kg.
FMVSA4		Ø168	Ø114	450 x 450	Ø200	455 x 110	25Kg.	208Kg.
FMVTU4	4 metres	Ø193	Ø139	450 x 450	Ø180	360 x 110	25Kg.	191Kg.
TCVWI4		500 Sq.	Ø168	645 x 645	Ø250	746 x 312	25Kg.	232Kg.
FMVSA6		Ø219	Ø139	450 x 450	Ø200	455 x 110	25Kg.	241Kg.
FMVTU6	6 metres	Ø193	Ø139	450 x 450	Ø180	360 x 110	25Kg.	224Kg.
TCVWI6		500 Sq.	Ø168	645 x 645	Ø250	746 x 312	25Kg.	265Kg.
TCVWI8	8 metres	500 Sq.	Ø168	645 x 645	Ø250	746 x 312	25Kg.	299Kg.
TCVWI10	10 metres	500 Sq.	Ø219	645 x 645	Ø250	746 x 312	25Kg.	333Kg.

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

FMV/ACB	Anti-Climb Bracket	FMV/3SA	Triple Static Adaptor		
FMV/Paint	Paint to BS4800 & RAL Colours	FMV/2SA	Twin Static Adaptor		
FMV/SDA	Swept Dome Adaptor	FMV/1SA	Pan & Tilt - Single Fixed		
FMV/SDA2	Swept Dome Adaptor Dual	FMV/CS150-300	Column Spacers 150mm-300mm		
FMV/PT1-S2	1 Pan & Tilt c/w 2 Static Adaptors	FMV/TBC	Telemetry Clamp Bracket		
FMV/TPTA	Twin Pan & Tilt Adaptor	FMV/HSD-F	High Security Door Option		
FMV/4SA	Quadruple Static Adaptor				

Product Ref & Ordering Information

FM V TU 6

- FM — Flange Mounted Baseplate
- V — Range: Victorian
- TU — Model: Turner
- 6 — Column Height in Metres

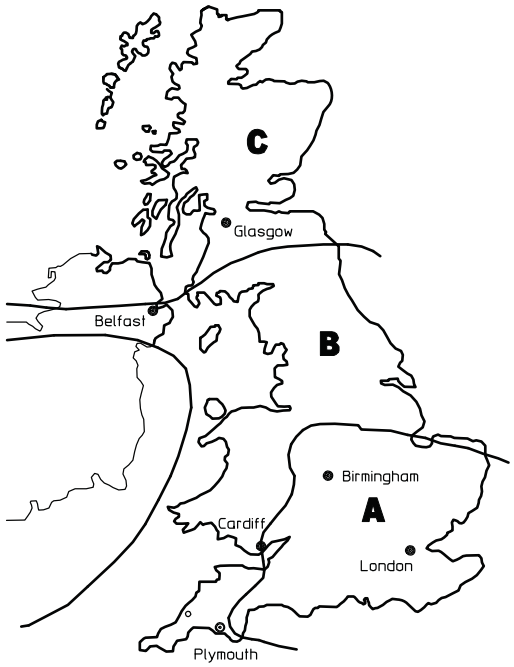
All WEC products are subject to ongoing development. Therefore, we reserve the right to make technical modifications without notice.
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

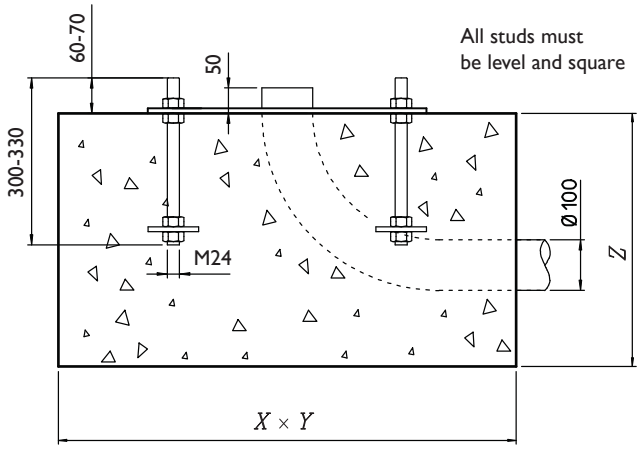
Victorian Columns
FMV Range

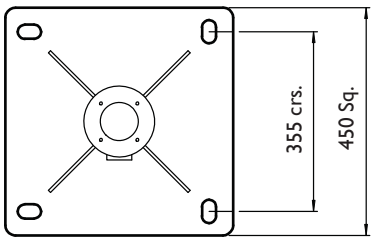
Base and Windload Specification

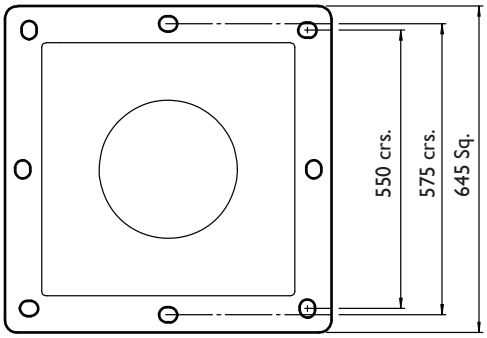
Concrete Foundation Table *X x Y x Z*							
Model Ref	Height	Area of Country			Area of Town		
		A	B	C	A	B	C
FMVTU3 FMVSA3 TCVWI3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
FMVTU4 FMVSA4 TCVWI4	4m	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.9x0.9x 0.45m Dp.
FMVTU5 FMVSA5 TCVWI5	5m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.
FMVTU6 FMVSA6 TCVWI6	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.
FMVTU8 FMVSA8 TCVWI8	8m	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.
FMVTU10 FMVSA10 TCVWI10	10m	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.

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









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

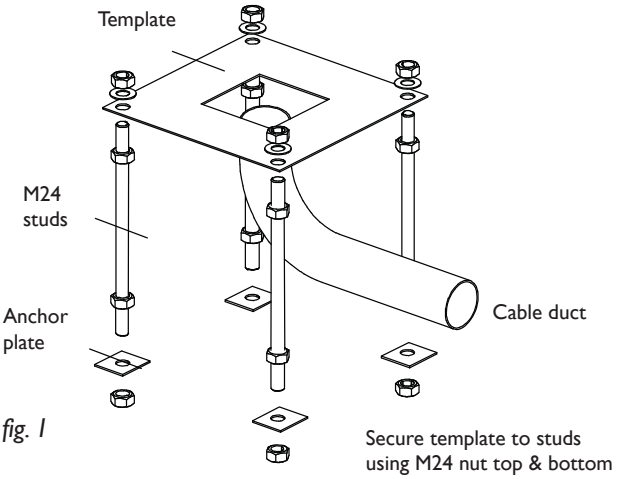


fig. 1

FM Root Assembly

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Lamp Post Style Tubular Columns
LPS Range

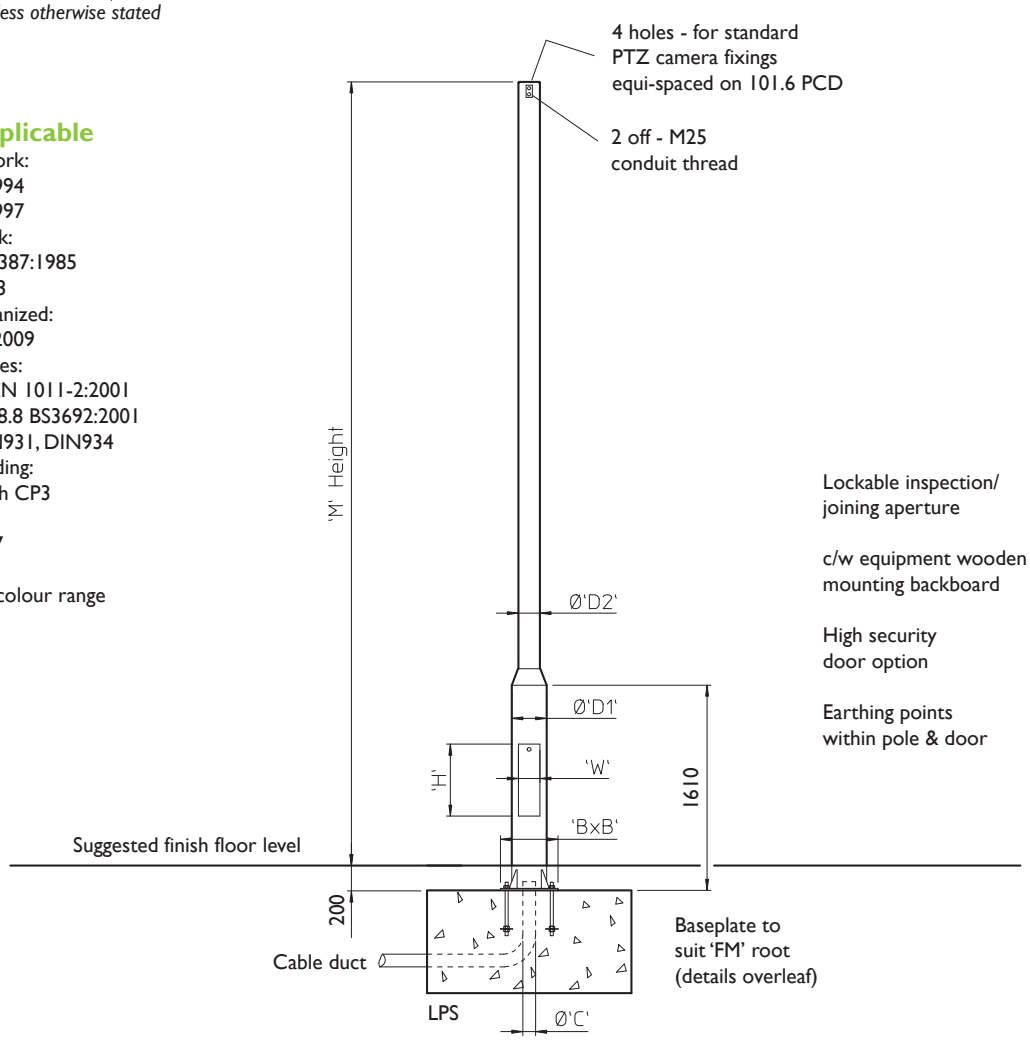
Technical Specification

Model Ref.	'M' Height	Duty rating	Baseplate size 'BxB'	Tube dia. 'D1'	Tube dia. 'D2'	Maximum equip cap'ty	Cable access hole Ø'C'	Door aperture 'H' x 'W'	Weight Kgs.
LPS3	3 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	140Kgs.
LPS4	4 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	160Kgs.
LPS5	5 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	185Kgs.
LPS6	6 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	210Kgs.
LPS6HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	230Kgs.
LPS8	8 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	245Kgs.
LPS8HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	330Kgs.
LPS10	10 metres	Standard	450x450	Ø273	Ø168	25Kg.	Ø250	460 x 118	285Kgs.
LPS10HD		Heavy duty	450x450	Ø323	Ø219	25Kg.	Ø250	460 x 118	375Kgs.

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

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

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

Product Ref & Ordering Information

LPS 6 HD

- LPS — Lamp Post Style - Tubular
- 6 — Column Height in Metres
- HD — Heavy Duty Column
  when minimum deflection is required
  i.e. high zoom lens camera

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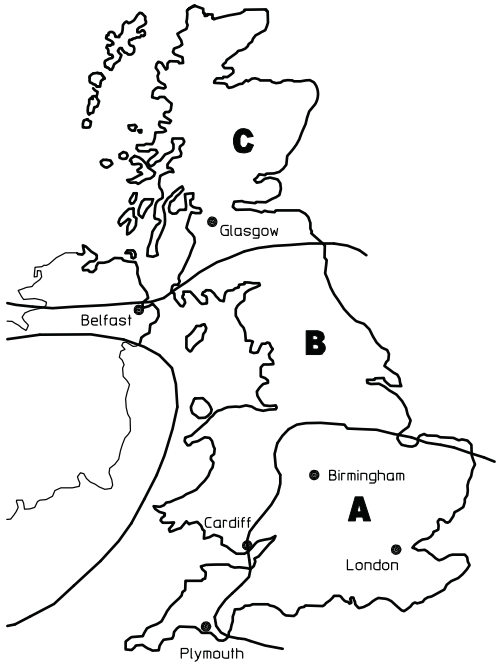
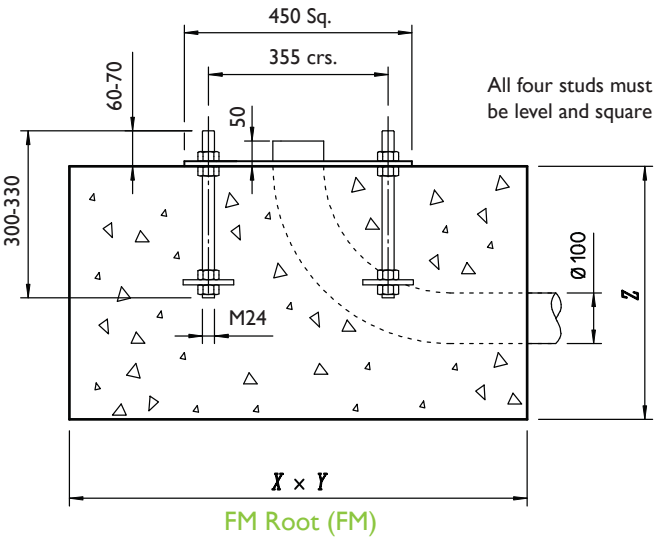
Lamp Post Style Tubular Columns
LPS Range

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
LPS3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp
LPS4	4m	0.9x0.9x 0.45m 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.	0.9x0.9x 0.45m Dp.
LPS5	5m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.
LPS6	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.
LPS8	8m	1.3x1.3x 0.65m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.
LPS10	10m	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.4x1.4x 0.7m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.

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

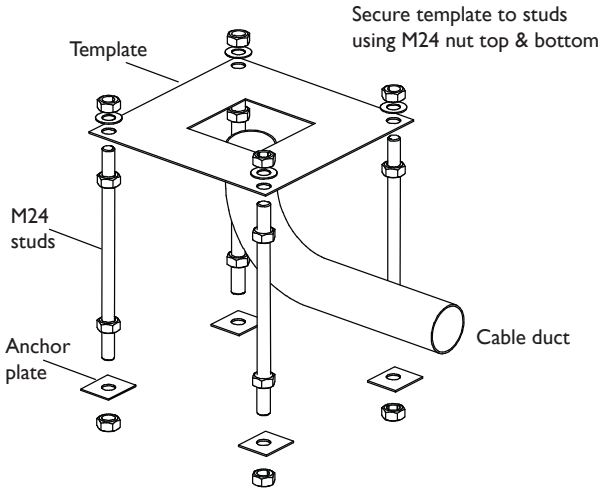




FM Root (FM)

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 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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Fixed & Tilt-Over Cabinet Base
TC, CB, TCTO, CBTO Range

TC & CB Range

The TC and CB range of CCTV columns remain the specifiers number one choice for cabinet based columns, for use within city centre and urban schemes. The 400 square cabinet remains the mainstay of this range of columns, with cabinet options of 325 and 500 square readily available for terminating all communication and electrical needs. The proven design, along with many versatile features, keep it at the forefront of CCTV street furniture and it is still the industry standard.

TCTO & CBTO Range

The TC and CB range naturally evolved into the TCTO and CBTO range of tilt-over columns, for use within city centre and urban schemes. The added bonus of maintenance at ground level make this a popular and safe first choice where access for maintenance is of concern. The 400 square cabinet remains the mainstay of this range, with the 325 cabinet option readily available. The sturdy, proven design, along with many versatile features, keep it at the forefront of CCTV urban furniture with the added bonus of tiltability.

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Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Fixed & Tilt-Over Cabinet Base
TC, CB, TCTO, CBTO Range

TC & CB Range

Design Features
- The ideal column for urban CCTV schemes.
- Proven design accepted by the Highways Agency.
- Integral lockable cabinet base for housing telemetry, fibre optics, spurs etc.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high profile places.
- Suitable for all public access areas.
- Desirable columns where aesthetics are of importance.
- Totally concealed cable management facility.
- High security and 'vault' door options for high risk areas.
- Decorative and ornamental versions available.
- Options include double doors and split cabinets.
- Telecom cell scheme versions available.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 3 to 15 metres.

Product Codes
400/500 TC Range:
- TC3
- TC4
- TC5
- TC6
- TC7
- TC8
- TC10
- TC12
- TC15

325 CB Range:
- CB4
- CB5
- CB6
- CB8

TCTO & CBTO Range

Design Features
- The versatile column for urban CCTV schemes.
- Proven design accepted by the Highways Agency.
- The tilt-over column enables safe camera maintenance at ground level.
- Integral lockable cabinet base for housing telemetry, fibre optics, spurs etc.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high profile places.
- Suitable for all public access areas.
- Desirable columns where aesthetics are of importance.
- Totally concealed cable management facility.
- High security and 'vault' door options for high risk areas.
- A transferable winch which allows multi-site servicing and leaves installation tamper proof.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 4 to 10 metres.

Product Codes
400 TCTO Range:
- TC4TO
- TC5TO
- TC6TO
- TC7TO
- TC8TO
- TC10TO

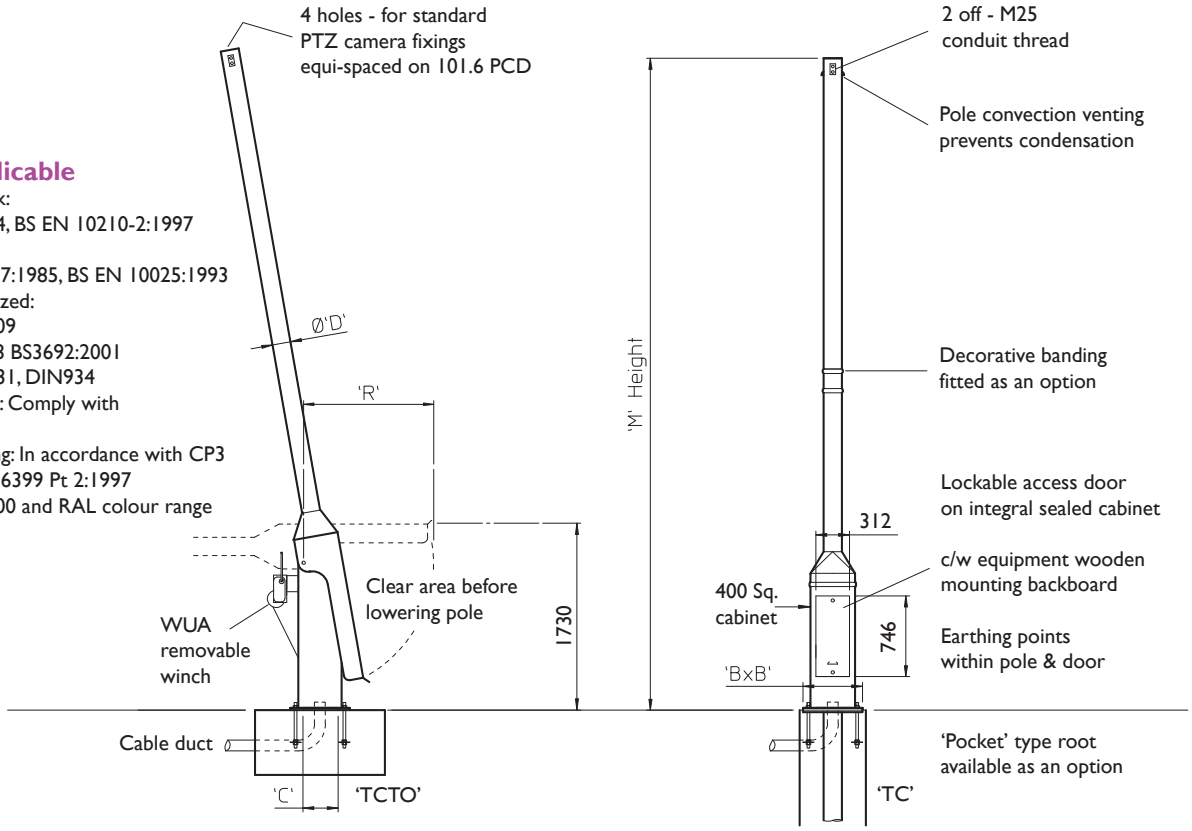
325 CBTO Range:
- CB4TO
- CB5TO
- CB6TO
- CB8TO

Fixed & Tilt-Over Cabinet Base
TC & TCTO Range

Technical Specification

Model Ref.	'M' Height	Tilting rear clearance 'R'	Baseplate size 'BxB'	Tube diam. 'D'	Cable access hole 'C'	Maximum equip cap'ty	Weight Kgs	Winch Selection
TC3	3 metres	*n/a*	550x550	Ø168	325x325	25Kg.	181.3 Kgs.	*n/a*
TC4	4 metres	*n/a*	550x550	Ø168	325x325	25Kg.	208.4 Kgs.	*n/a*
TCTO4		1220	550x550	Ø168	325x325	25Kg.	226.4 Kgs.	WUA
TC5	5 metres	*n/a*	550x550	Ø168	325x325	25Kg.	228.5 Kgs.	*n/a*
TCTO5		1220	550x550	Ø168	325x325	25Kg.	246.5 Kgs.	WUA
TC6	6 metres	*n/a*	550x550	Ø168	325x325	25Kg.	248.6 Kgs.	*n/a*
TCTO6		1220	550x550	Ø168	325x325	25Kg.	266.6 Kgs.	WUA
TC8	8 metres	*n/a*	550x550	Ø168	325x325	25Kg.	288.8 Kgs.	*n/a*
TC8HD		*n/a*	550x550	Ø219	325x325	25Kg.	331.8 Kgs.	*n/a*
TCTO8		1220	550x550	Ø168	325x325	25Kg.	349.8 Kgs.	WUA
TC10	10 metres	*n/a*	645x645	Ø219	325x325	25Kg.	384.6 Kgs.	*n/a*
TC10HD		*n/a*	645x645	Ø273	325x325	25Kg.	516.1 Kgs.	*n/a*
TC12	12 metres	*n/a*	645x645	Ø273	325x325	25Kg.	598.9 Kgs.	*n/a*

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
- Fasteners: Grade 8.8 BS3692:2001
  BS4190:2001, DIN931, DIN934
- Welding Procedures: Comply with
  BS EN 1011-2:2001
- Design Wind Loading: In accordance with CP3
  chapter V Pt 2 & BS 6399 Pt 2:1997
- Paint Finishes: BS4800 and RAL colour range

Options & Accessories

Enlarged cabinet (500 Sq.)
All pan/tilt, dome, fixed camera mount bracketry
Transferable winch for tilt-over columns
Double door access (partitioned cabinet)
Camera wash equipment (static columns only)
Ornate camera mounting brackets

Product Ref & Ordering Information

TC TO 6 HD

Town Centre 400 Sq.
Cabinet Based Column

Tilt-Over Column

Column Height in Metres

Heavy Duty Column
when minimum deflection is required
i.e. high zoom lens camera

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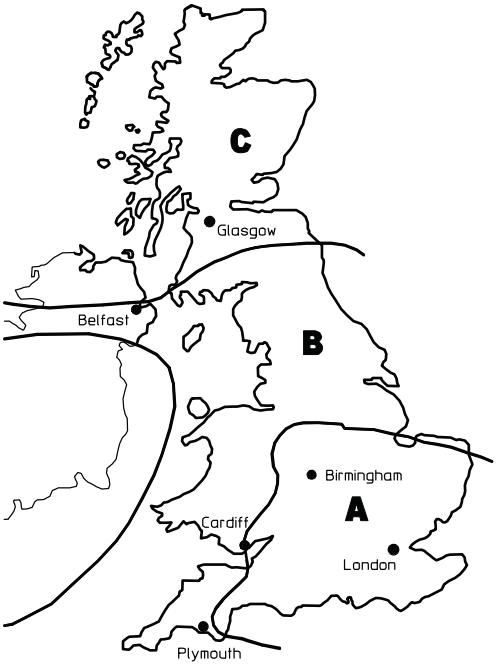
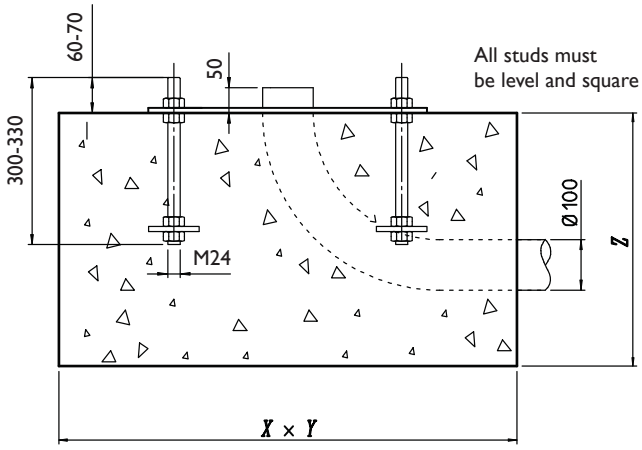
Fixed & Tilt-Over Cabinet Base
TC & TCTO Range

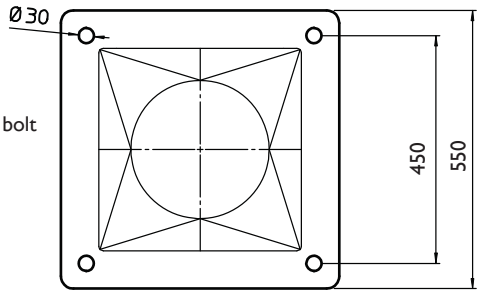
Base and Windload Specification

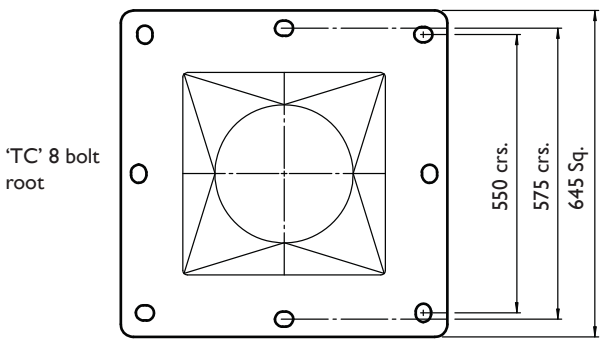
Concrete Foundation Table *X x Y x Z*							
Model Ref	Height	Area of Country			Area of Town		
		A	B	C	A	B	C
TC3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.9x0.9x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
TC4 TCT04	4m	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.
TC5 TCT05	5m	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.	1.0x1.0x 0.5m Dp.
TC6 TCT06	6m	1.0x1.0x 0.5m 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.
TC8 TCT08	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.
TC10	10m	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.
TC12	12m	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.	1.9x1.9x 0.85m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.

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









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

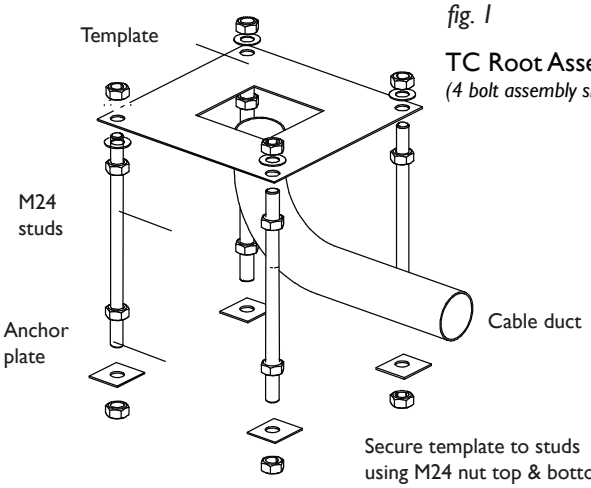


fig. 1

TC Root Assembly
(4 bolt assembly shown)

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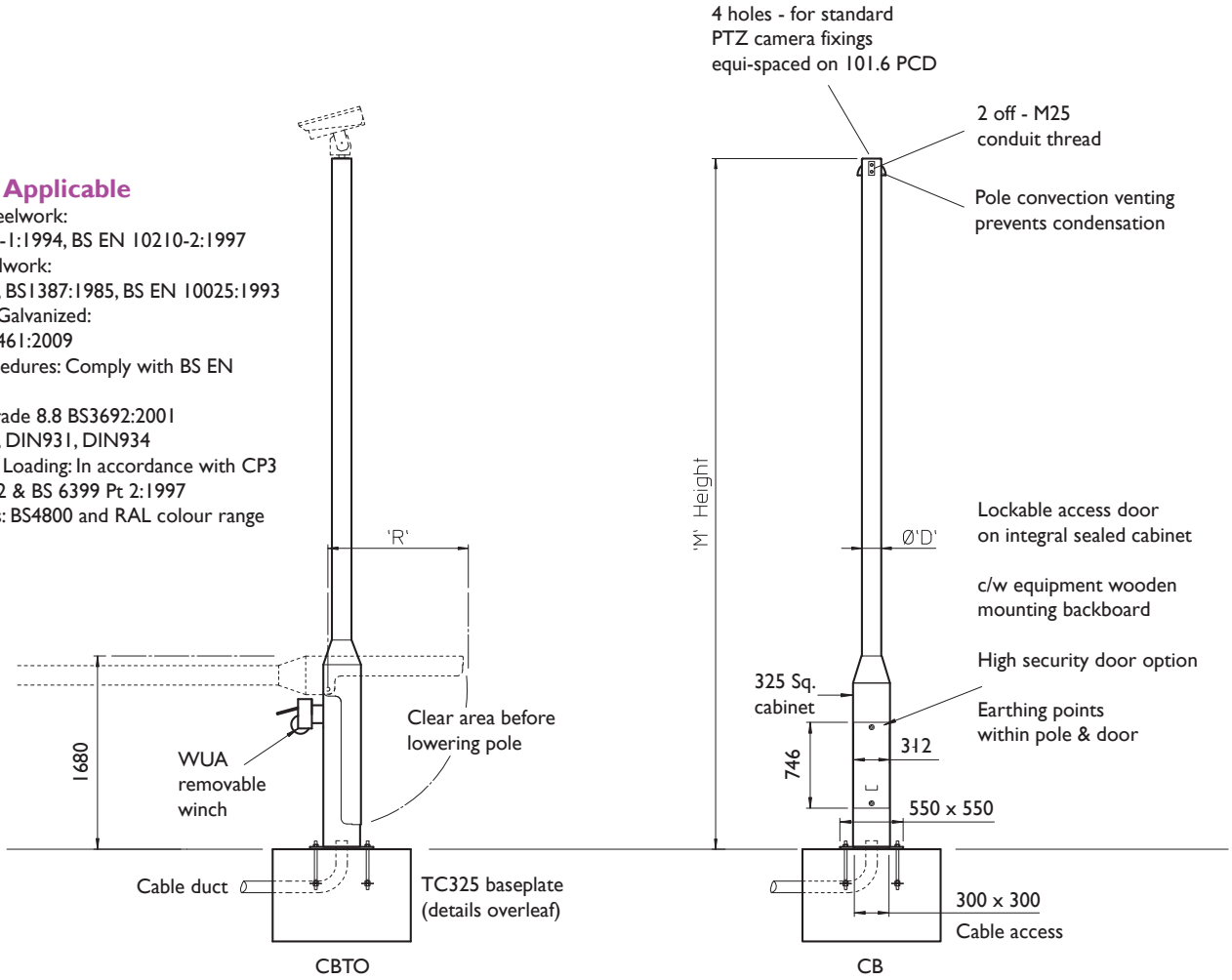
Fixed & Tilt-Over Cabinet Base
CB & CBTO Range

Technical Specification

Model Ref.	'M' Height	Tilting rear clearance 'R'	Maximum equipment capacity	Shaft diameter 'D'	Weight Kgs	Winch Selection
CB4	4 metres	*n/a*	25Kg.	Ø139	175Kgs.	*n/a*
CBTO4		1220	25Kg.	Ø139	222Kgs.	WUA
CB5	5 metres	*n/a*	25Kg.	Ø139	195Kgs.	*n/a*
CBTO5		1220	25Kg.	Ø139	242Kgs.	WUA
CB6	6 metres	*n/a*	25Kg.	Ø139	215Kgs.	*n/a*
CBTO6		1220	25Kg.	Ø139	262Kgs.	WUA
CB8	8 metres	*n/a*	25Kg.	Ø139	255Kgs.	*n/a*
CBTO8		1220	25Kg.	Ø139	302Kgs.	WUA

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

CB(TO)/ACB	Anti-Climb Bracket
CB(TO)/Paint	Paint to BS4800 & RAL Colours
CB(TO)/SDA	Swept Dome Adaptor
CB(TO)/SDA2	Swept Dome Adaptor Dual
CB(TO)/PT1-S2	1 Pan & Tilt c/w 2 Static Adaptors
CB(TO)/TPTA	Twin Pan & Tilt Adaptors
CB(TO)/2SA	Twin Static Adaptor
CB(TO)/1SA	Pan & Tilt - Single Fixed
CB(TO)/CS150-300	Column Spacers 150mm-300mm
CB(TO)/TBC	Telemetry Clamp Bracket
CB(TO)/HSD-F	High Security Door Option
CB(TO)/LS	Ladder Support

Product Ref & Ordering Information

CB TO 6

- CB — 325 Sq. Cabinet Based Column
- TO — Tilt-Over Column
- 6 — Column Height in Metres

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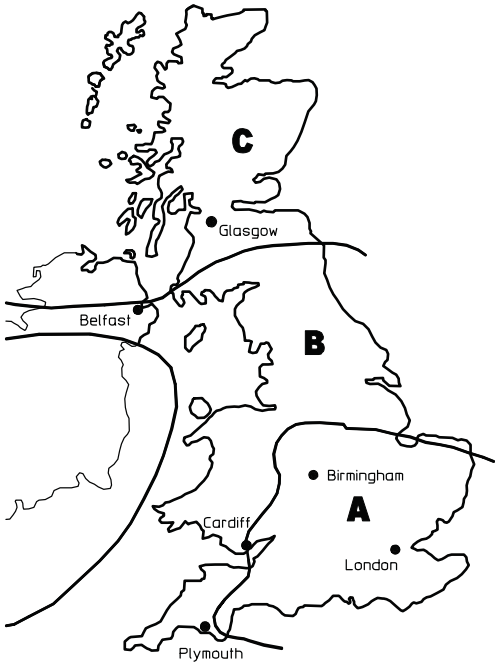
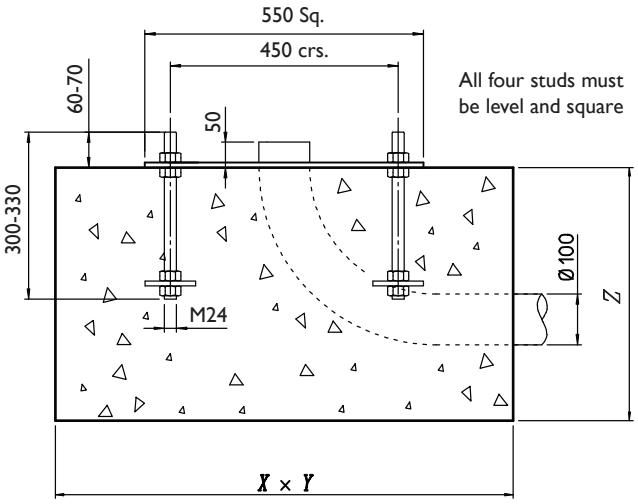
Fixed & Tilt-Over Cabinet Base
CB & CBTO Range

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
CB3	3m	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	9x0.9x 0.45m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.	0.8x0.8x 0.4m Dp.
CB4 CBT04	4m	0.9x0.9x 0.45m 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.	0.9x0.9x 0.45m Dp.
CB5 CBT05	5m	1.0x1.0x 0.5m Dp.	1.0x1 0x 0.5m Dp.	1.0x1.0x 0.5m Dp.	0 9x0.9x 0.45m Dp.	0.9x0.9x 0.45m Dp.	1.0x1.0x 0.5m Dp.
CB6 CBT06	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.	1.0x1.0x 0.5m Dp.	1.1x1.1x 0.55m Dp.
CB8 CBT08	8m	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.4x1.4x 0.7m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.

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

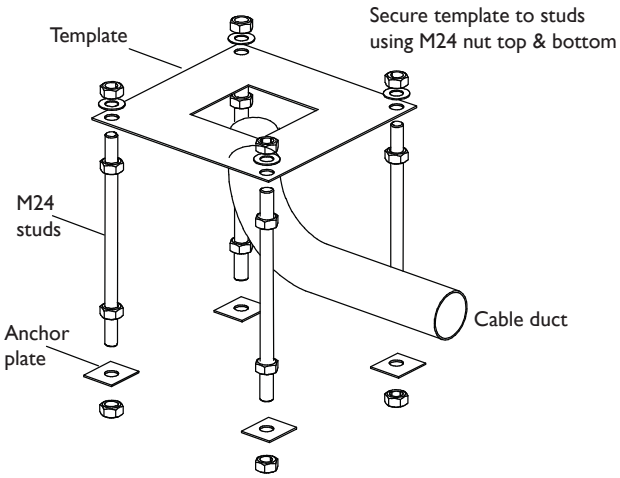




TC325 Root

fig. 1

TC325 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. Torque the nuts to 230-270 Nm (175-200 fl. lb.)
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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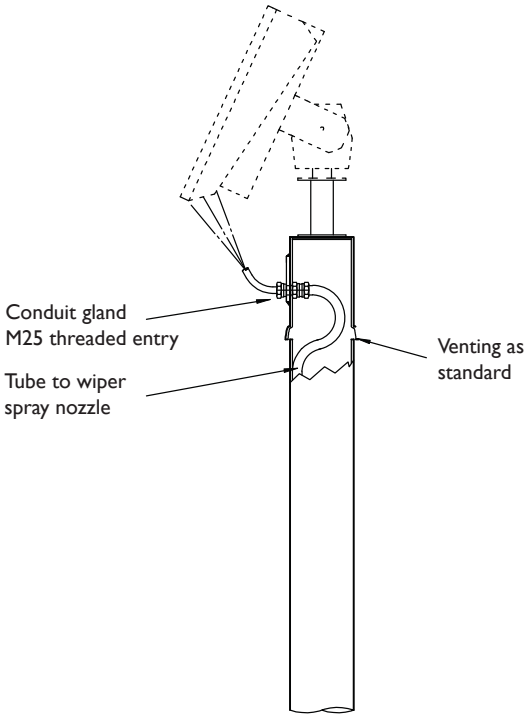
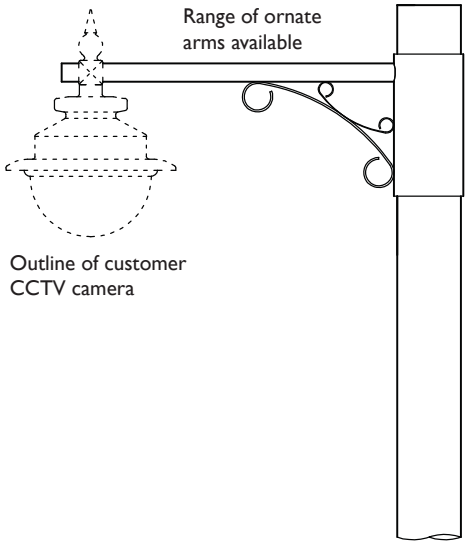
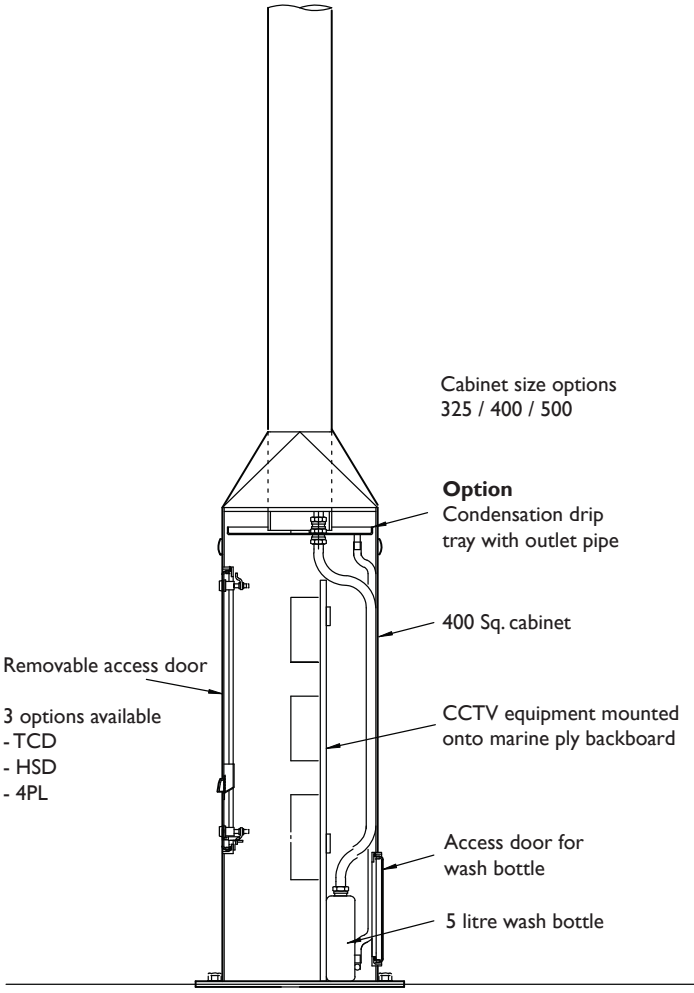
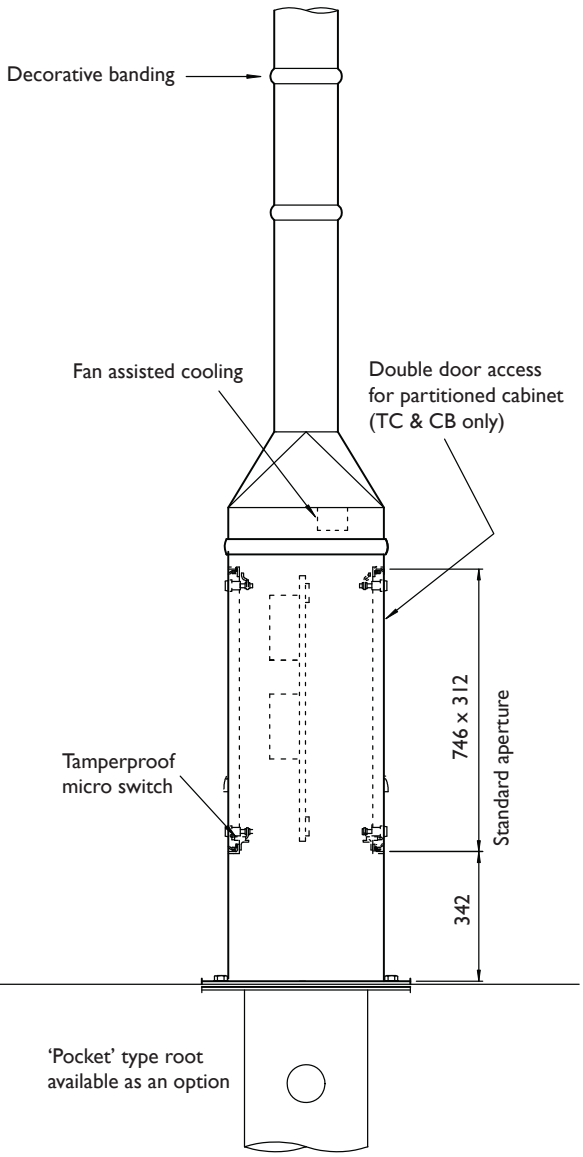
Fixed & Tilt-Over Cabinet Base
TC, CB, TCTO, CBTO Accessories







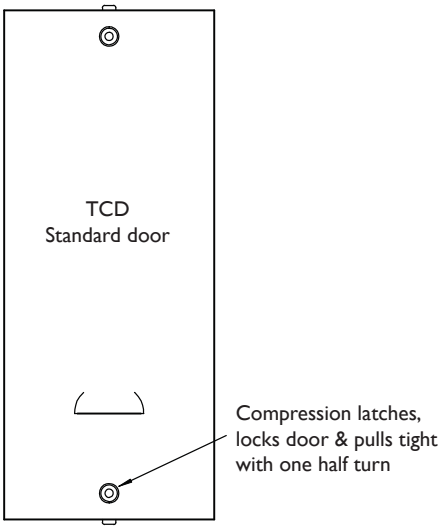


Fixed & Tilt-Over Cabinet Base
TC, CB, TCTO, CBTO Accessories

Optional Extras

Door Options

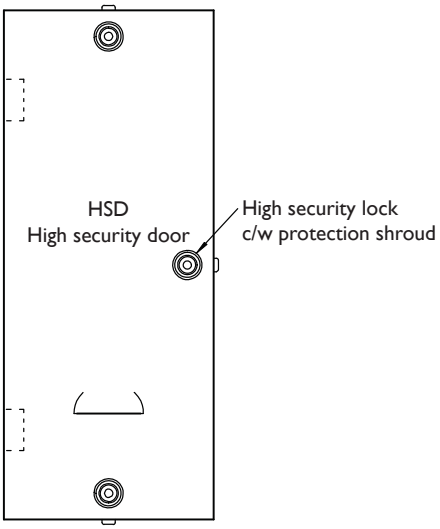
Moderate risk area
2 point locking



One key required

- Louvered door
- Close fitting and flush door
- Self grip rubber door seal
- Secure compression locks
- Earthing lugs

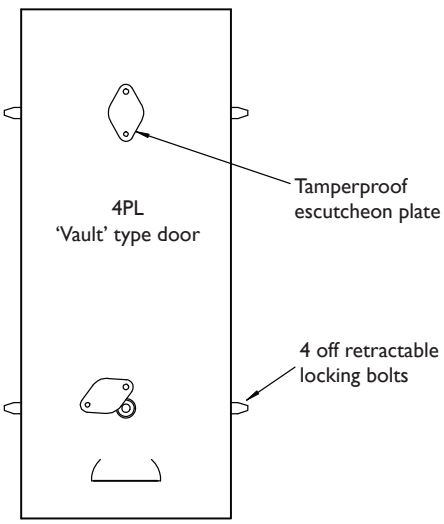
High risk area
3 point locking



Two keys required

- Louvered door
- Close fitting and flush door
- Self grip rubber door seal
- 2 secure compression locks
  and 1 high security lock
- Earthing lugs
- Protection shrouds for each lock

Very high risk area
4 point locking



Three keys required

- Louvered door
- Close fitting and flush door
- 2 high security locks
- Earthing lugs
- Tamperproof escutcheons for each lock
- Stainless steel locking mechanism

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Vandal Resistant & Anti-Ram Columns
AD and AV Range

AD Range

AV Range

The well established TC range of CCTV columns have evolved into extremely high security and vandal deterrent items. These columns are being used with success in out of town areas that demand a tamper proof and vandal resistant product. The 400 square cabinet remains the mainstay of this range, however the anti-vandal range has a double skinned cabinet fitted with an outer 'hidden lock' door and an inner 'vault' door. The column shaft features a loose cover sleeve that will turn should the shaft be attacked with mechanical cutting equipment. The vandal deterrent column is based on the standard 400 square cabinet and features a 'vault' door, however the cabinet and shaft are constructed from a single skin of high grade, heavy duty steel. Both the AV and AD ranges can be supplied with the anti-ram raid base structure or anti-ram bollards to protect the column. When using these types of column, it is advisable to protect the exposed camera from vandalism with camera protection cages and anti-ladder brackets.

Vandal Resistant & Anti-Ram Columns
AD and AV Range

AD Range

Design Features
- An ideal column for urban extreme risk CCTV schemes.
- Integral lockable cabinet base for housing telemetry, fibre optics, spurs etc.
- Heavy duty high grade steel, single skinned cabinet.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high risk and problem areas.
- Camera mounting shaft made from heavy duty high grade steel.
- Suitable for all public access areas.
- Totally concealed cable management facility.
- 'Vault' door as standard.
- Options include double doors and split cabinets.
- Telecom cell scheme versions available.
- Anti-ram base structure and bollards available.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root - 8 stud type.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 3 to 15 metres.

Product Codes
Anti-Vandal Range:
- AD6
- AD8
- AD10
- AD12
- AD15

Options:
- ARB1: anti-ram bollard
- ALR: anti ladder rest

AV Range

Design Features
- An ideal column for urban extreme risk CCTV schemes.
- Integral lockable cabinet base for housing telemetry, fibre optics, spurs etc.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high risk and problem areas.
- Double doors and double skinned cabinet for ultimate protection.
- Double skinned column shaft with spinner tube.
- Suitable for all public access areas.
- Totally concealed cable management facility.
- Hidden lock and 'vault' door as standard.
- Options include double doors and split cabinets.
- Telecom cell scheme versions available.
- Anti-ram base structure and bollards available.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications
- Standard pan and tilt fixing of 101.6 PCD.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root - 8 stud type.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 3 to 15 metres.

Product Codes
Anti-Randal Range:
- AV6
- AV8
- AV10
- AV12
- AV15

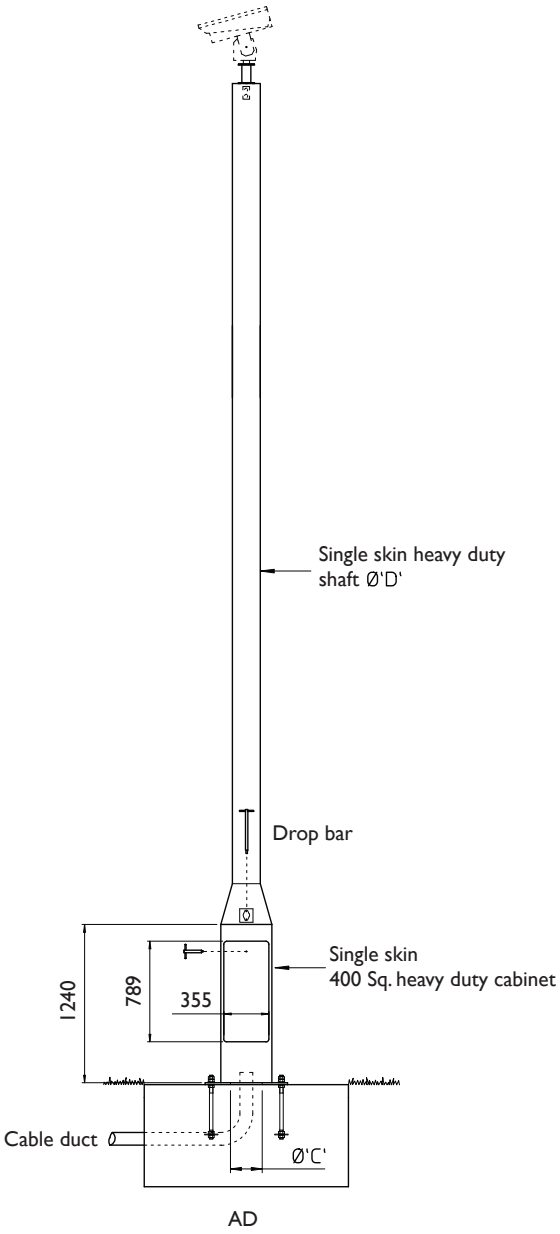
Options:
- ARB1: anti-ram bollard
- ALR: anti ladder rest

Vandal Resistant & Anti-Ram Columns
AD and AV Range

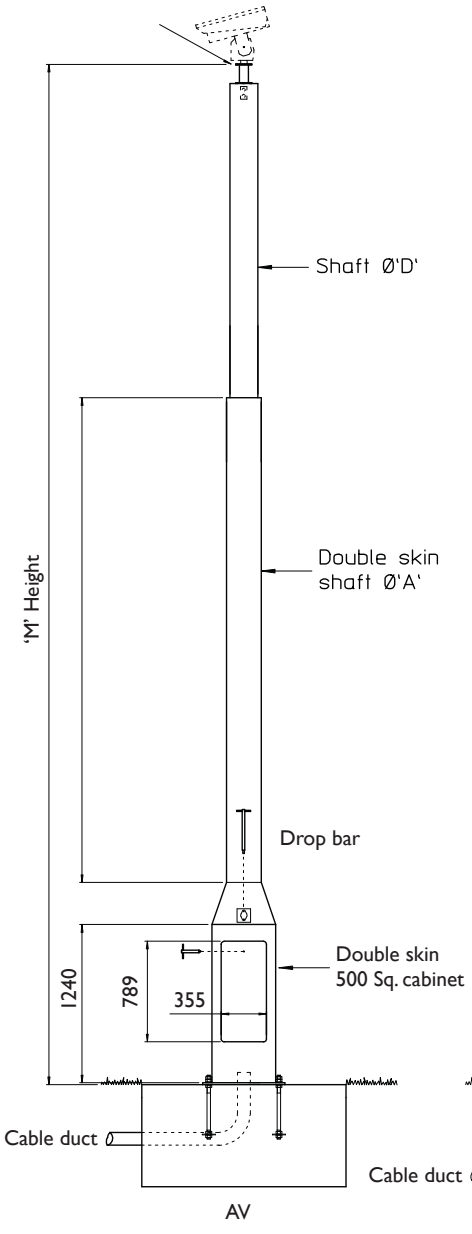
Technical Specification

Model Ref	Height 'M'	Shaft size 'D'	Shaft size 'A'	Maximum equip cap'ty	Cable access hole Ø'C'
AV6 AD6	6m	Ø168 Ø168	n/a Ø219	25Kgs.	Ø250
AV8 AD8	8m	Ø168 Ø168	n/a Ø219	25Kgs.	Ø250
AV10 AD10	10m	Ø219 Ø219	n/a Ø273	25Kgs.	Ø250
AV12 AD12	12m	Ø219 Ø219	n/a Ø273	25Kgs.	Ø250

Details on door locking system are available

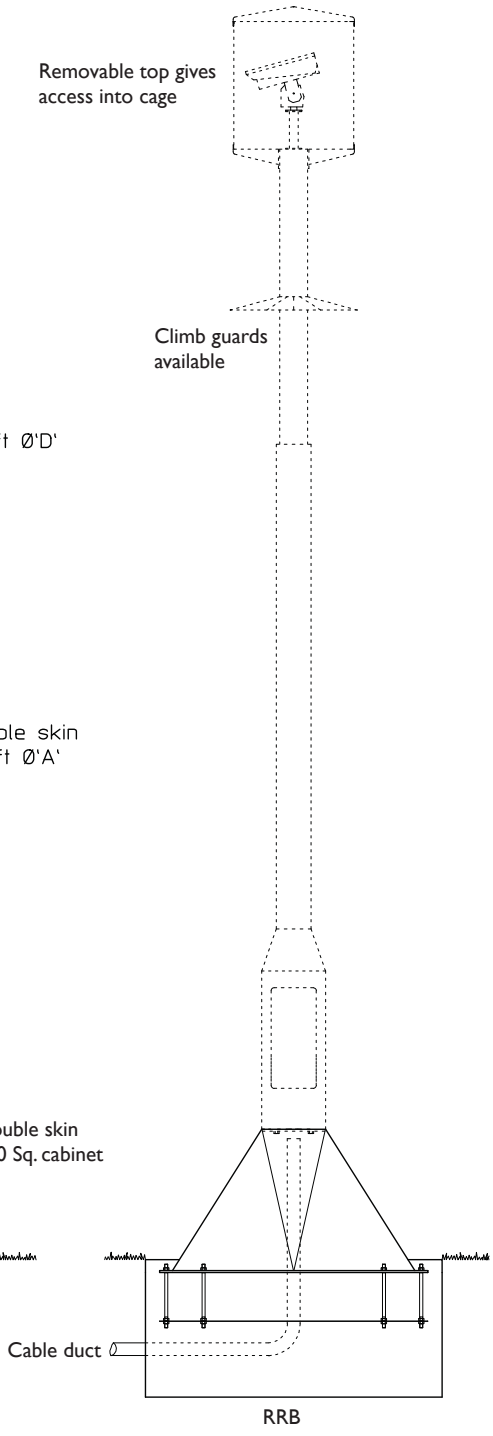


Heavy duty 400 Sq. cabinet
10 thk door & case
8 bolt fixing



Heavy duty 500 Sq. double skin cabinet
10 thk outer door & case
Inner door 4 point locking
8 bolt fixing

Heavy duty cylindrical camera cages are available to suit the column



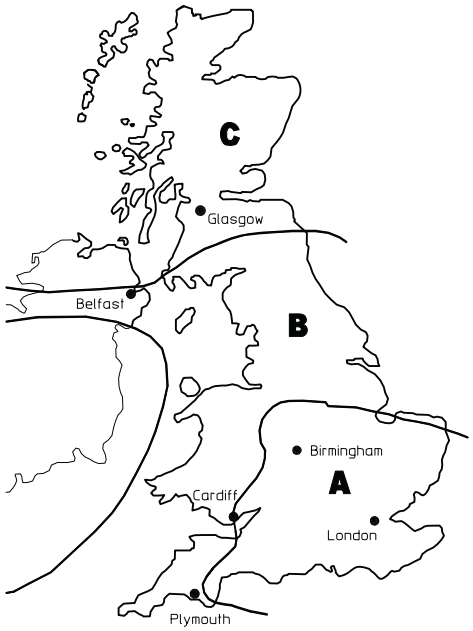
Ram raid base
for use with AV or AVR
8 bolt fixing

Vandal Resistant & Anti-Ram Columns
AD and AV Range

Base and Windload Specification

Concrete Foundation Table *X x Y x Z*							
Model & Base Ref	Ht.	Area of Country			Area of Town		
		A	B	C	A	B	C
AV6 AD6	6m	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.1x1.1x 0.55m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.
AV8 AD8	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.
AV10 AD10	10m	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.5x1.5x 0.75m Dp.
AV12 AD12	12m	1.7x1.7x 0.85m Dp.	1.8x1.8x 0.9m Dp.	1.8x1.8x 0.9m 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



Installation Method

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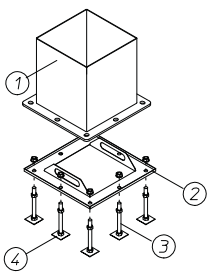
3. Assemble root base as shown in fig. 1
4. Insert root base into the hole ensuring that it is level and that the four studs protrude 60-70mm above the concrete foundation
5. Fit the cable duct if routing via the interior of the column. A plastic pipe of approximately 100mm outside diameter is recommended 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. Torque the nuts to 230-270 Nm (175-200 fl. lb.)
10. When the column has been fitted, protect the studs with a suitable protective coating. Denzo tape or similar is recommend for this

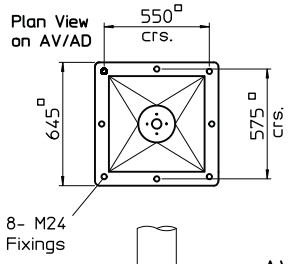
Foundation sizes are determined for three sets of wind speeds, which will cover most of the British Isles.

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.

fig. 1





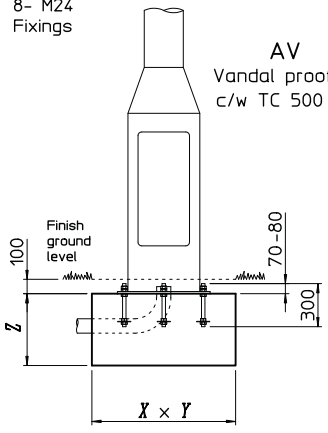
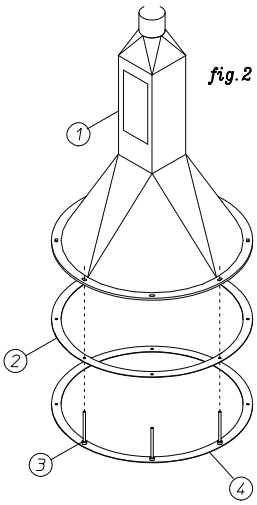
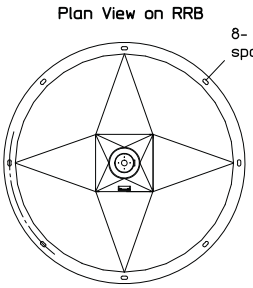
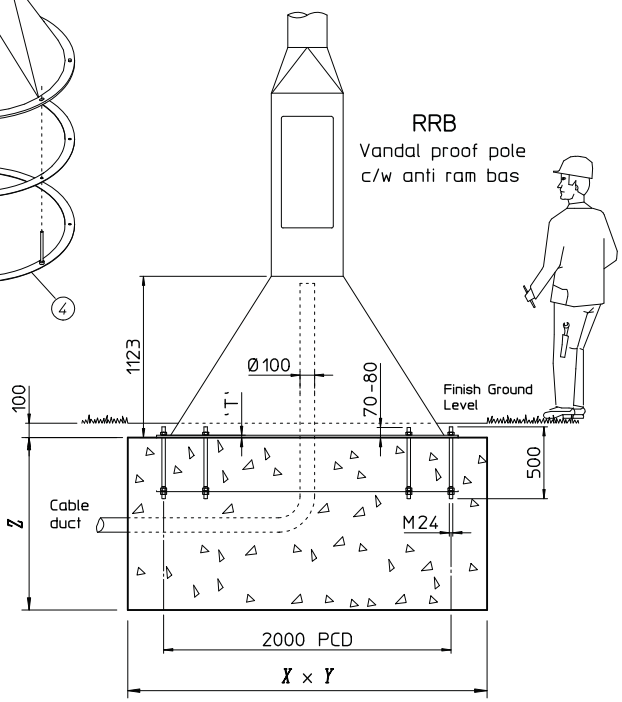


fig. 2



1. Vandal proof pole
2. Setting template
3. M24 Studding
4. Root plate





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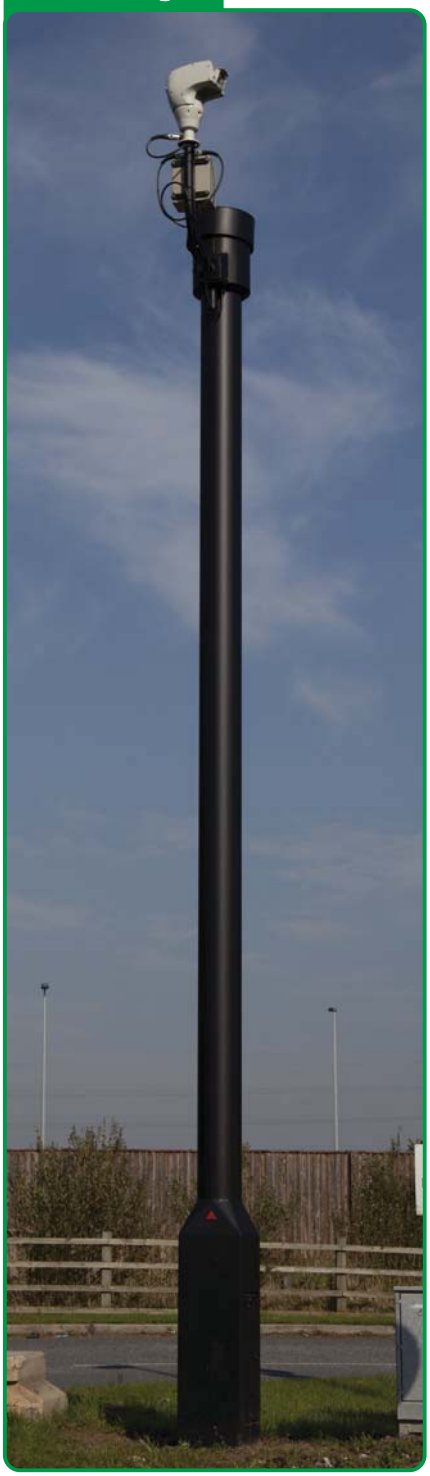
Trolley Poles
ETP and CBTP Range

ETP Range

CBTP Range



The ETP and CBTP ranges are the very peak in CCTV mounting poles. With various options of built in or transferable electric or manual winches, the ranges enable cost-effective and more importantly safe camera maintenance at ground level. These columns has been designed within the Highways Agency specification and with their excellent reliability record, have become the number one choice in urban traffic monitoring schemes. The ETP range is a continuous parallel column, whereas the CBTP range has the added bonus of a spacious cabinet base at the bottom for more complex electrical and communications use. Both ranges can be seen in city centres and on trunk roads throughout the United Kingdom.

Trolley Poles
ETP and CBTP Range

ETP Range

Design Features

- An ideal column for urban and traffic CCTV schemes.
- Designed in accordance with Highways Agency specification.
- Eliminates the use of mechanical lifts for servicing purposes.
- Camera maintenance carried out at ground level. The camera head rotates through 180 degrees for servicing purposes.
- Various built in and transferable winch options.
- In-built carriage failsafe braking mechanism.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high profile places.
- Suitable for all public access areas.
- Camera carriage unit has a self clamping mechanism to minimise deflection when in its working position.
- Totally concealed cable management facility.
- High security door option for high risk areas.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications

- Standard pan and tilt fixing of 101.6 PCD.
- Special dome mounting brackets available.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 3 to 15 metres.

Product Codes

Economy Trolley Pole Range:

- ETP6
- ETP7
- ETP8
- ETP9
- ETP10
- ETP12
- ETP13
- ETP14
- ETP15

CBTP Range

Design Features

- An ideal column for urban and traffic CCTV schemes.
- Designed in accordance with Highways Agency specification.
- Eliminates the use of mechanical lifts for servicing purposes.
- Integral lockable cabinet base for housing telemetry, fibre optics, spurs etc.
- Camera maintenance carried out at ground level. The camera head rotates through 180 degrees for servicing purposes.
- Various built in and transferable winch options.
- In-built carriage failsafe braking mechanism.
- Excellent stability characteristics ensures minimal camera movement.
- Recommended for installation in high profile places.
- Suitable for all public access areas.
- Options include double door and split cabinets.
- Telecom cell scheme versions available.
- Camera carriage unit has a self clamping mechanism to minimise deflection when in its working position.
- Totally concealed cable management facility.
- High security and 'vault' door options for high risk areas.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications

- Standard pan and tilt fixing of 101.6 PCD.
- Special dome mounting brackets available.
- Built in cable entry and exit points.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Flange-mounted 'TC' type root.
- 'Pocket' type roots available for restricted foundation locations.
- Equipment loading up to 25kg.
- Variety of standard heights from 3 to 15 metres.

Product Codes

Cabinet Based Trolley Pole Range:

- CBTP6
- CBTP7
- CBTP8
- CBTP9
- CBTP10
- CBTP12
- CBTP13
- CBTP14
- CBTP15

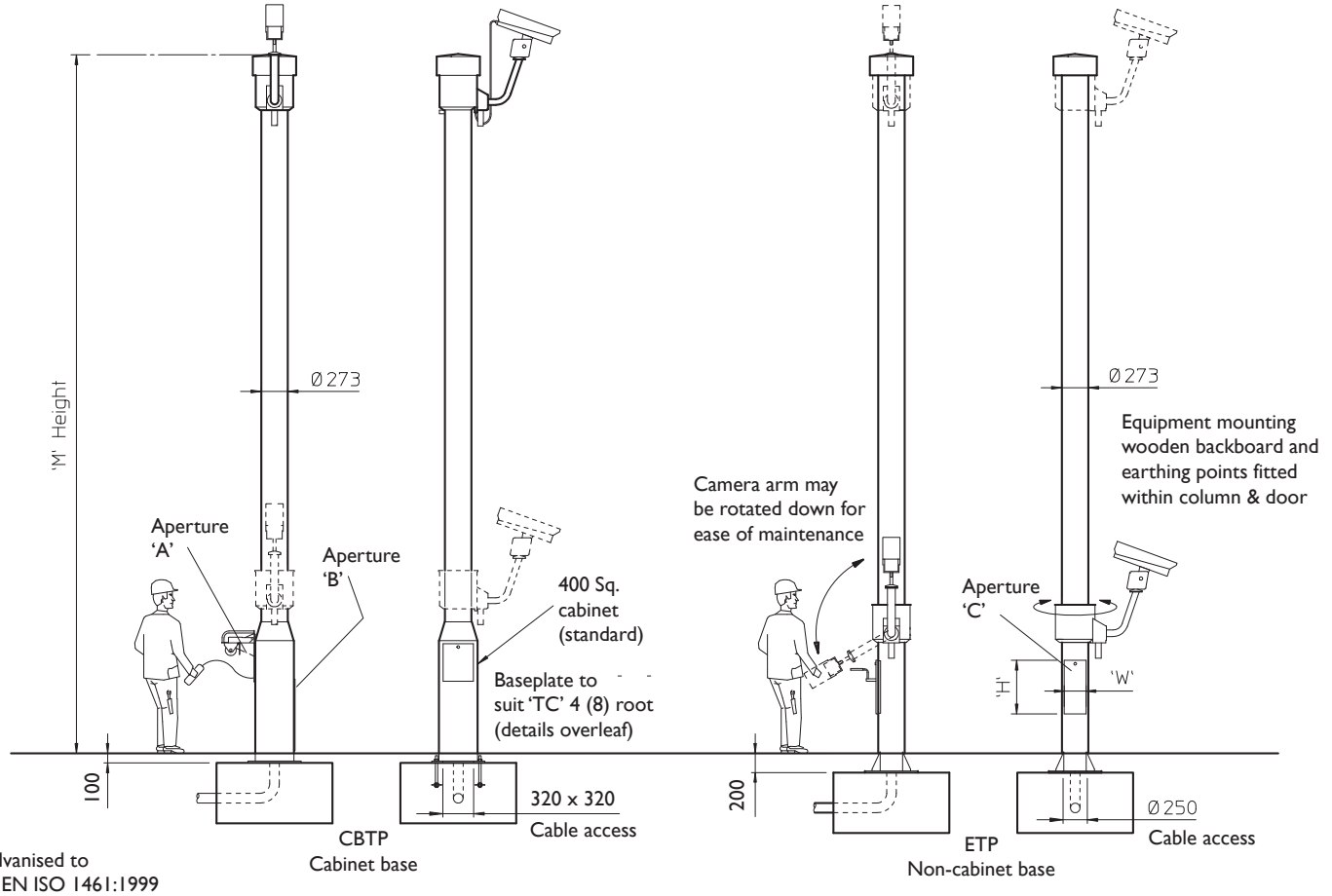
Cabinet Based & Economy Trolley Pole ETP and CBTP Range

Technical Specification

Model Ref.	'M' Height	Baseplate Option	HxW Winch aperture 'A'	HxW Equip. aperture 'B'	HxW Winch aperture 'C'	Maximum equip cap'ty	Weight Kgs
CBTP6	6 metres	4 Bolt	n/a	746x312	546x204	25Kg.	411Kg.
ETP6		4 Bolt	390x312	n/a	n/a	25Kg.	391Kg.
CBTP8	8 metres	4 Bolt	n/a	746x312	546x204	25Kg.	491Kg.
ETP8		4 Bolt	390x312	n/a	n/a	25Kg.	471Kg.
CBTP10	10 metres	8 Bolt	n/a	746x312	546x204	25Kg.	573Kg.
ETP10		8 Bolt	390x312	n/a	n/a	25Kg.	553Kg.
CBTP12	12 metres	8 Bolt	n/a	746x312	546x204	25Kg.	659Kg.
ETP12		8 Bolt	390x312	n/a	n/a	25Kg.	639Kg.
CBTP14	14 metres	8 Bolt	n/a	746x312	546x204	25Kg.	715Kg.
ETP14		8 Bolt	390x312	n/a	n/a	25Kg.	695Kg.
CBTP15	15 metres	8 Bolt	n/a	746x312	546x204	25Kg.	780Kg.
ETP15		8 Bolt	390x312	n/a	n/a	25Kg.	760Kg.

All dimensions in mm unless otherwise stated

The trolley pole product range has the option of built-in or transferable winches, either electrically operated or hand operated gear winch



Galvanised to BS EN ISO 1461:1999

Options & Accessories

Enlarged cabinet (standard 400 Sq.)
All pan/tilt, dome, fixed camera mount bracketry
Double door access (partitioned cabinet)
Cable management system up to 12 metres
On-site erecting service onto a prepared base
4 point high security door
Paint to BS4800 & RAL colours
Tamperproof micro-switches for cabinet door

Product Ref & Ordering Information

CB (E) TP 8 nn

- CB — Cabinet Based Column
- (E) — Non-Cabinet Base
- TP — Trolley Pole
- 8 — Column Height in Metres
- nn — Winch Option *see overleaf for range*

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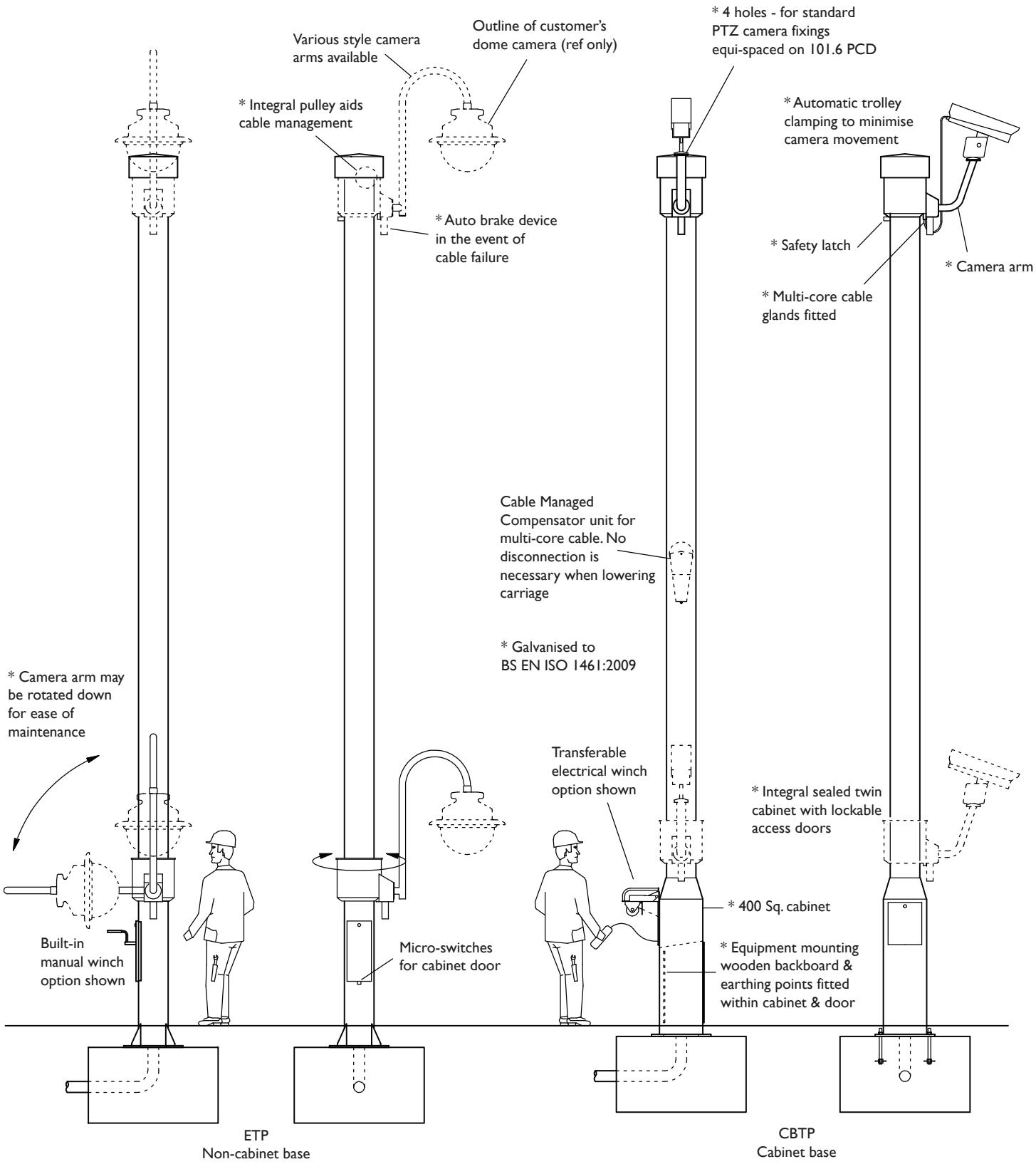
Cabinet Based & Economy Trolley Pole ETP and CBTP Accessories



All items marked with * are fitted as standard
See Features and Options sheet overleaf for full details

The trolley pole product range has the option of built-in or transferable winches, with either electrically operated or hand operated gear winch

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Cabinet Based & Economy Trolley Pole ETP and CBTP Range

Options for CBTP & ETP Range

HT	Transferable manual winch
HB	Manual winch built into column
EH	Spare winch handle
CM	Cable management
500	Enlarged cabinet size of 500mm Sq.
2C	Separate compartments in cabinet
EDK	Spare cabinet door keys
PKT	Alternative 'pocket' type root fixing
ET	Transferable electric winch (Pat.No. 0019862.2)
EBA	Electric winch built into column
PS	Spare pendant for EBR
110V	110V transformer for EBA or EBR

General Options for CBTP & ETP Range

- Cable management system - fitting compensator & customer free issue cable
- High security door
- Vault type door (4 point locking)
- 500 cabinet base (CBTP only)
- On-site erecting service onto a prepared base
- Painting finishes in BS4800 and RAL colours
- Swept dome adaptors for dome type cameras
- Tamperproof micro-switched for cabinet door

Full Cable Management

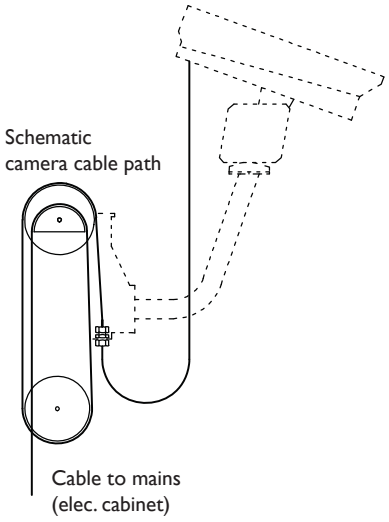
WEC offer full cable management within the trolley pole up to 12 metres. This feature eliminates the need to disconnect the camera multi-core cable, when the camera is lowered to the maintenance position.

Delivery and Erection

WEC offers a full delivery and column erecting service onto a prepared concerete base, anywhere within the UK.

Delivery and Placement

WEC offers a full projeect management level of delivery and installation. Despite not carrying out the civil work, we offer advice on optimum site location, concrete base sizes (standard and specials), along with placement of pole onto concrete plinth through to commissioning on site.



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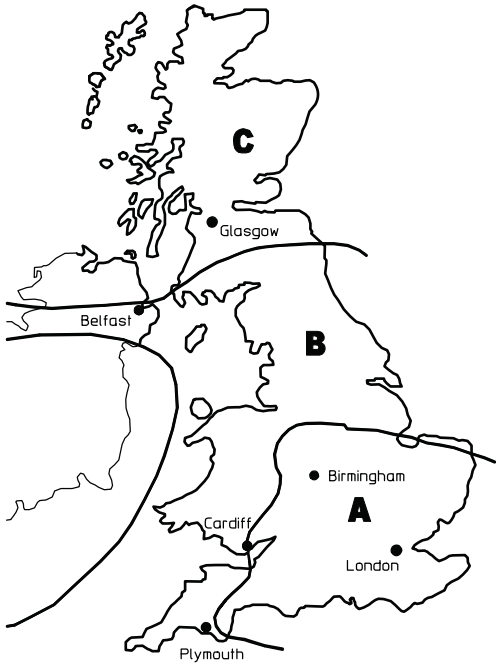
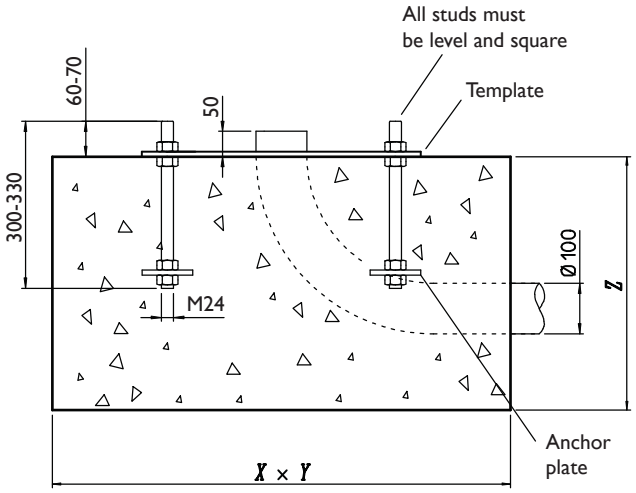
Cabinet Based & Economy Trolley Pole ETP and CBTP Range

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
CBTP6 ETP6	6m	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.3x1.3x 0.65m Dp.	1.1x1.1x 0.55m Dp.	1.2x1.2x 0.6m Dp.	1.2x1.2x 0.6m Dp.
CBTP8 ETP8	8m	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.
CBTP10 ETP10	10m	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.	1.7x1.7x 0.85m Dp.	1.4x1.4x 0.7m Dp.	1.5x1.5x 0.75m Dp.	1.6x1.6x 0.8m Dp.
CBTP12 ETP12	12m	1.7x1.7x 0.85m Dp	1.8x1.8x 0.9m Dp.	1.9x1.9x 0 95m Dp	1.6x1 6x 0.8m Dp.	1.7x1.7x 0 85m Dp.	1.8x1.8x 0.9m Dp.
CBTP14 ETP14	14m	1.9x1.9x 0.95m Dp.	2.0x2.0x 1.0m Dp.	2.1x2.1x 1.05m Dp.	1.8x1.8x 0.9m Dp.	1.9x1.9x 0.95m Dp.	2.0x2.0x 1.0m Dp.
CBTP15 ETP15	15m	2.0x2.0x 1.0m Dp.	2.1x2.1x 1.05m Dp.	2.2x2.2x 1.1m Dp.	1.9x1.9x 0.95m Dp.	2.0x2.0x 1.0m Dp.	2.1x2.1x 1.05m Dp.

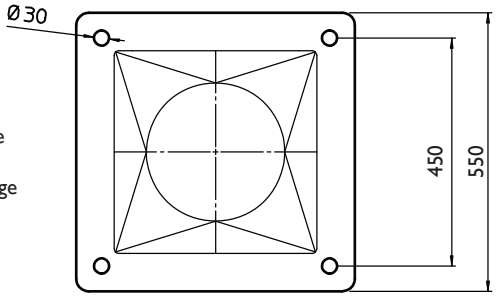
A minimum soil bearing pressure of 75 KN/m2 is assumed





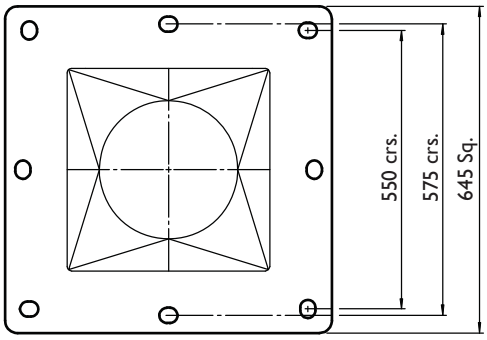
Installation Method

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. Torque the nuts to 230-270 Nm (175-200 fl. lb.)
10. When the column has been fitted, protect the studs with a suitable protective coating. Denzo tape or similar is recommend for this



'TC' 4 bolt
root baseplate

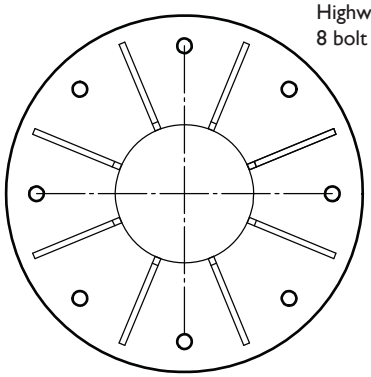
for height range
6m to 8m



'TC' 8 bolt
root baseplate

for height above
10m+

Option
Highways Agency Flange
8 bolt root



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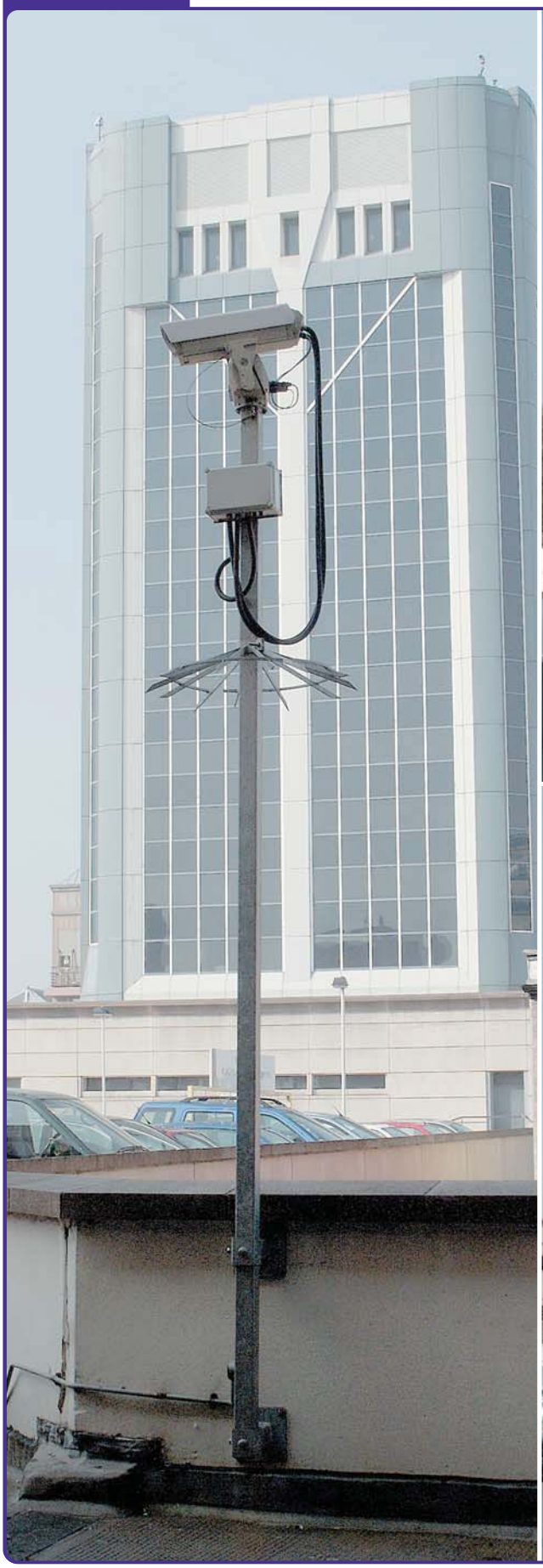
Wall and Corner Poles
WPT and WPTA Range

Wall Poles



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Wall and Corner Poles
WPT and WPTA Range

Wall Poles

The WP and CP ranges have, for many years, provided the industry standard solution for many camera mounting situations. Available in standard heights up to 6 metres with stand off brackets from flush to 1000mm, both the wall and corner poles provide an excellent platform for obtaining an elevated viewpoint from existing structures.

Design Features

- A cost-effective solution for achieving desired camera height.
- Off the shelf heights up to 6 metres.
- Standard models give up to 4 metres clearance above roofs, parapets and walls.
- Rigid structure ensures excellent stability characteristics.
- Various stand off brackets to clear facias, gutters and copings.
- Modular construction for ease of transportation and erection.
- Wall and corner mounted versions available.
- Hot dipped galvanised finish for maximum weather protection and low maintenance requirements.
- Custom and bespoke versions tailored to the customer's requirements.

General Specifications

- Standard pan and tilt fixing of 101.6 PCD.
- Stand off brackets 000mm/150mm/300mm/500mm/1000mm.
- Compatible with WEC adaptors, accessories and anti-climbs.
- Equipment loading up to 25kg.
- Variety of standard heights up to 6 metres.

Product Codes

- 2.5WP000, 2.5WP150*, 2.5WP300*, 2.5WP500* 2.5WP1000
- 3WP000, 3WP150, 3WP300, 3WP500, 3WP1000
- 4WP000, 4WP150*, 4WP300*, 4WP500*, 4WP1000
- 5WP000, 5WP150*, 5WP300*, 5WP500*, 5WP1000
- 6WP000, 6WP150*, 6WP300*, 6WP500*, 6WP1000
- 2.5CP000, 2.5CP150*, 2.5CP300*, 2.5CP500* 2.5CP1000
- 3CP000, 3CP150, 3CP300, 3CP500, 3CP1000
- 4CP000, 4CP150*, 4CP300*, 4CP500*, 4CP1000
- 5CP000, 5CP150*, 5CP300*, 5CP500*, 5CP1000
- 6CP000, 6CP150*, 6CP300*, 6CP500*, 6CP1000

*Ex-stock items

Technical Specification

Model Ref. (nnn stand off)	Height 'H'	Approx spacing 'B'	Stand off distance 0	Stand off distance 150	Stand off distance 300	Stand off distance 500	Stand off distance 1000
2.5WP	2.5 mtrs.	850	✓	✓	✓	✓	✓
2.5CP	2.5 mtrs.	850	✓	✓	✓	✓	✓
3WP	3.0 mtrs.	1000	✓	✓	✓	✓	✓
3CP	3.0 mtrs.	1000	✓	✓	✓	✓	✓
4WP	4.0 mtrs.	1300	✓	✓	✓	✓	✓
4CP	4.0 mtrs.	1300	✓	✓	✓	✓	✓
5WP	5.0 mtrs.	1700	✓	✓	✓	✓	✓
5CP	5.0 mtrs.	1700	✓	✓	✓	✓	✓
6WP	6.0 mtrs.	2000	✓	✓	✓	✓	✓
6CP	6.0 mtrs.	2000	✓	✓	✓	✓	✓

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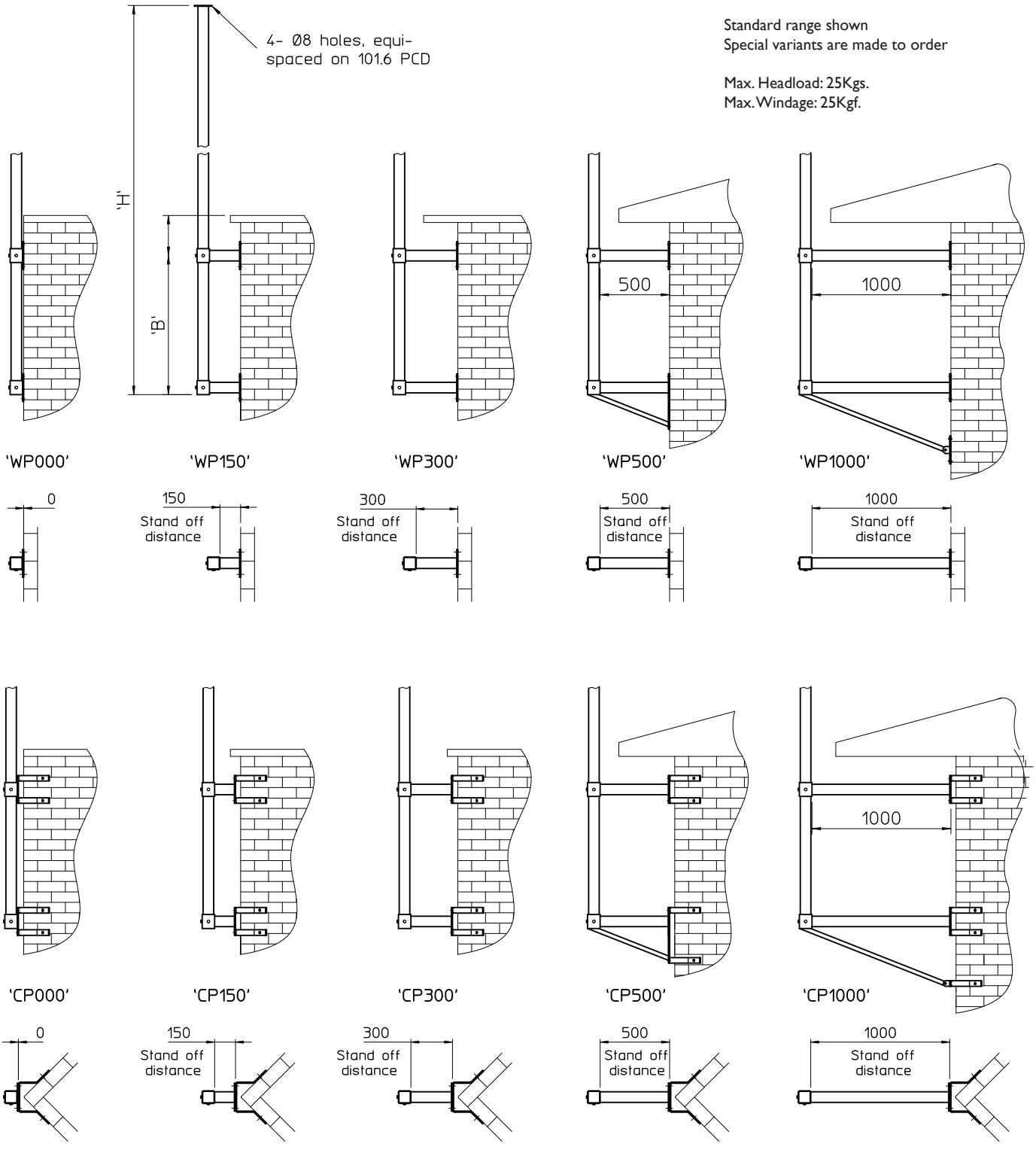
Wall and Corner Poles
WPT and WPTA Range

Technical Specification



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

Product Ref & Ordering Information

3	W(C)P	300
Pole Height	Wall (corner) Pole	Stand-off Distance

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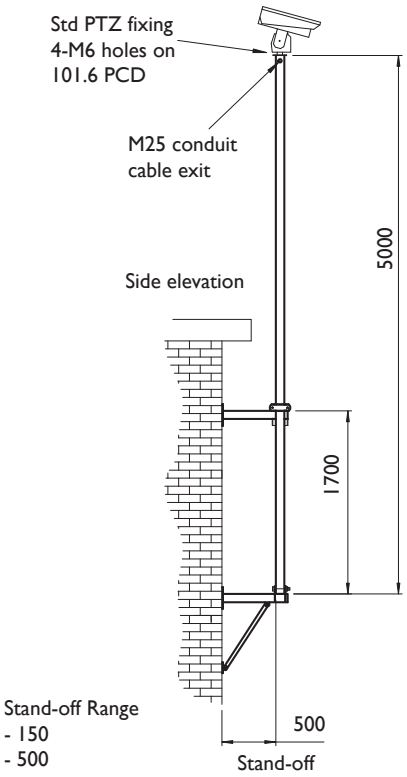
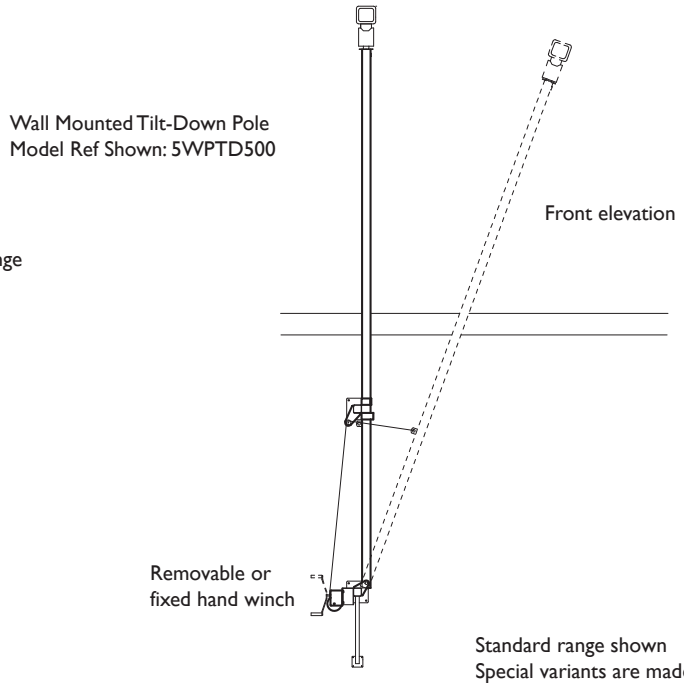
Wall and Corner Poles
WPT and WPTA Range

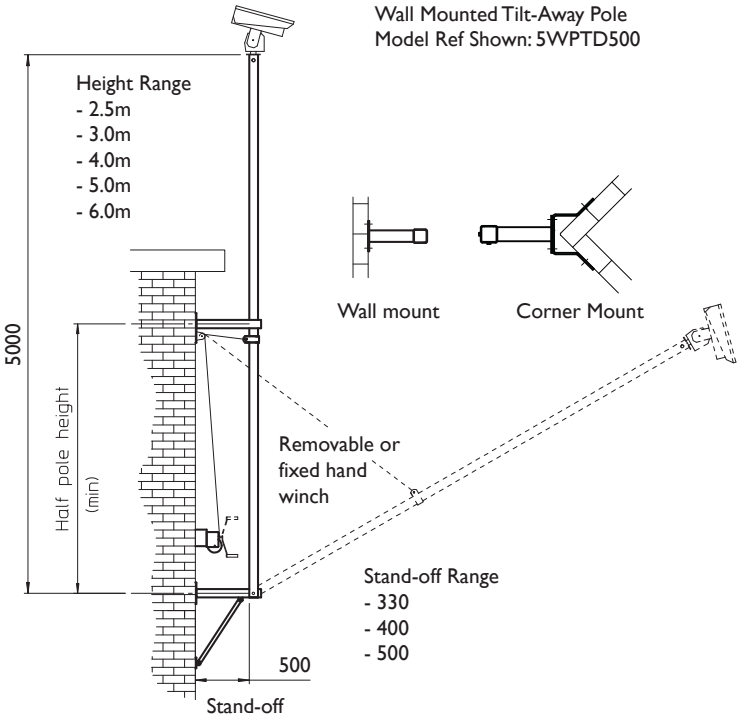
Technical Specification

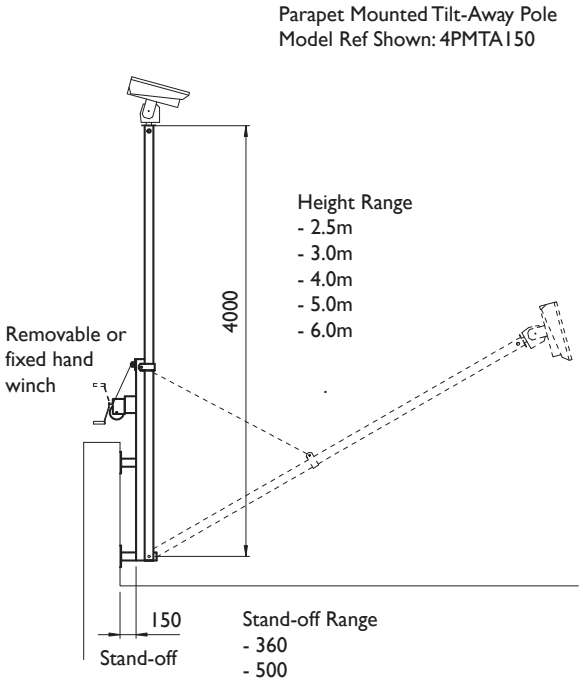




Standard range shown
Special variants are made to order

Max. Headload: 25Kgs.
Max. Windage: 25Kgf.





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

Product Ref & Ordering Information

4	W(C)P	TA(D)	300
Pole Height	Wall (corner) Pole	Tilt Away (Down)	Stand-off Distance

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

Gantry Mounted Poles

Gantry Brackets

Gantry Brackets

Gantry Brackets

Motorway Poles

Our highways division specialises in the design, manufacture and installation of various motorway poles and brackets. We can offer full site surveys and commissioning for customers requiring a more bespoke product.


M6
N.E.C.
Birmingham
Coventry

Enclosures

WEC offers a wide range of road side cabinets, from standard off the shelf products to those tailor made to specific customer requirements.

The standard road side cabinets are available in a variety of sizes and manufactured from materials such as stainless steel, aluminium or with a galvanised finish. These standard cabinets include an extensive range of hardware and can even be fully wired and terminated to suit the customer's requirements. Furthermore, WEC's road side cabinets are available in a comprehensive selection of colours and on a short lead time basis.

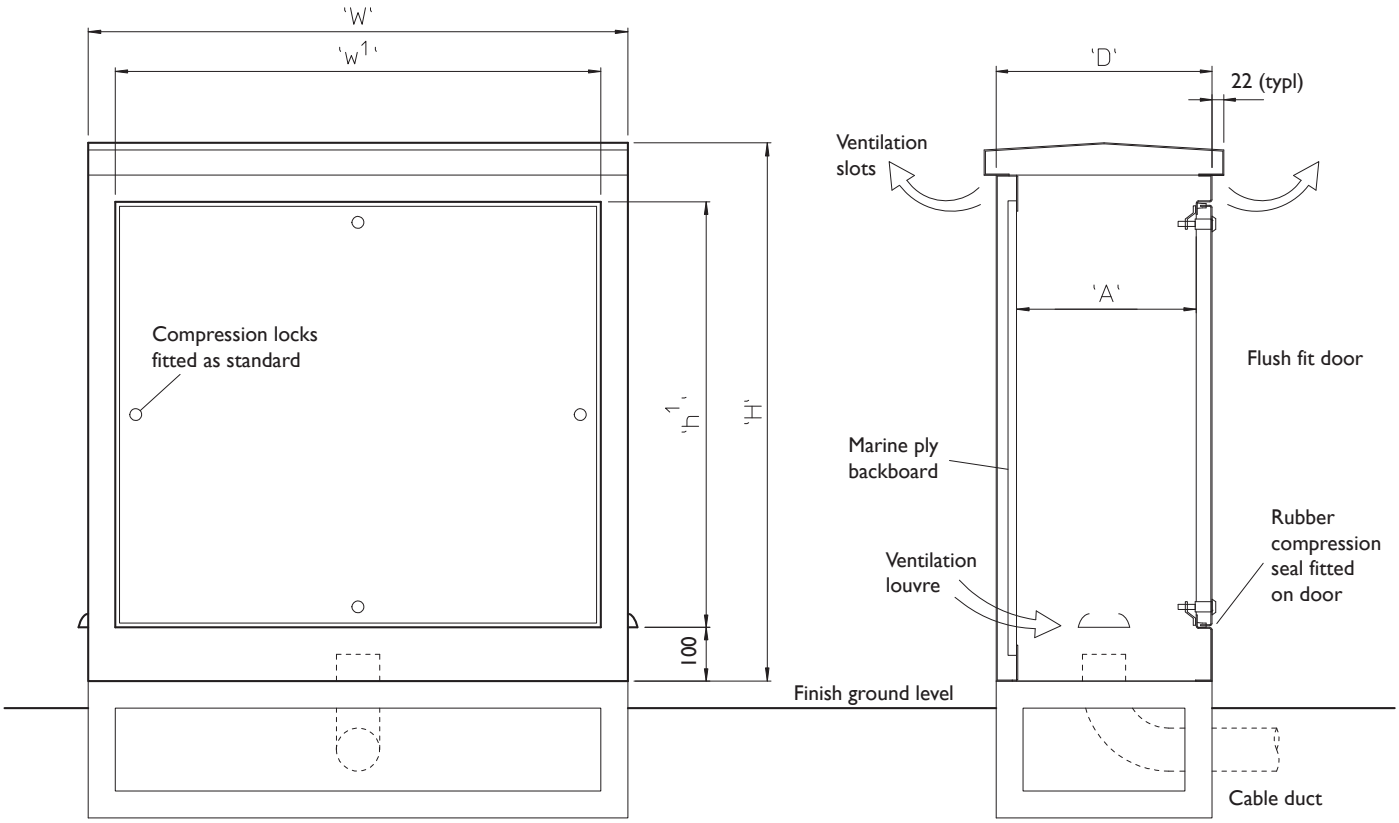
WEC is able to manufacture and supply road side cabinets to customer drawings and offer a design service to produce cabinets tailored to customer requirements.

Enclosures
RSC Range

Technical Specification

Model Ref.	Height 'H'	Width 'W'	Depth 'D'	Working depth 'A'	Door aperture h^1 x w^1	Backboard height x width
RC9/65/6	900	650	600	530	690x400	740x400
RC153	1000	500	300	230	790x400	840x400
RC113	1000	1000	300	230	790x900	840x900
RC114	1000	1000	400	330	790x900	840x900
RC115	1000	1000	500	430	790x900	840x900
RC116	1000	1000	600	530	790x900	840x900
RC1/13/4	1000	1300	400	330	790x1200	840x1200
RC1/13/5	1000	1300	500	430	790x1200	840x1200
RC1/13/6	1000	1300	600	530	790x1200	840x1200
RC1/14/6	1000	1400	600	530	790x1300	840x1300
RC13/12/5	1300	1200	500	430	1090x1100	1140x1100
RC15/143/5	1500	1430	500	430	1290x1330	1340x1330

All dimensions in mm unless otherwise stated



Option
Buried Root

All our road side cabinets are constructed from stainless steel (3CR12) and powder coated with a black finish as standard

Options & Accessories

RC/HSD	High security locking system
RC/4PL	Extra high security 4 point lock system
RC/A4	Document holder (A4)
RC/Col	Paint to BS4800 & RAL colours
RC/F	Fixed fan & dust extraction
RC/19F	Fixed 19" racking
RC/19H	Swing out 19" racking
RC/IP65	IP65 rated cabinet

Door may be specified as hinged (either hand) or lift out

Double door access on twin compartments

Treated equipment mounting backboard or shelving

Product Ref & Ordering Information

RC 114 HSD

Roadside Cabinet

1000H x 1000W x 400D

High Security Door
option reference

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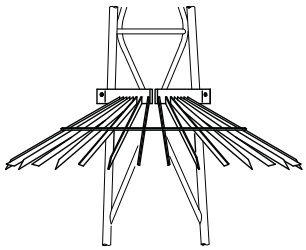
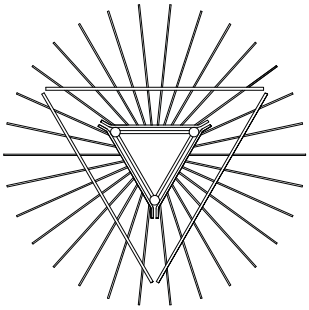
Accessories

Anti-Climb Brackets
ACB Range

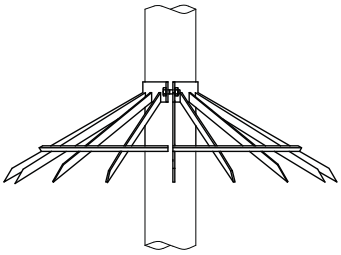
All dimensions in mm
unless otherwise stated

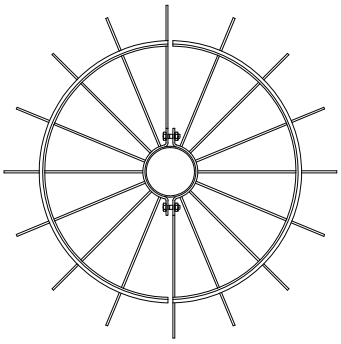
ACB1
Anti Climb Guard
ST & WD Tower



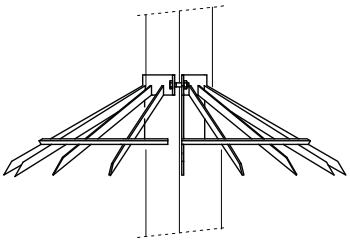


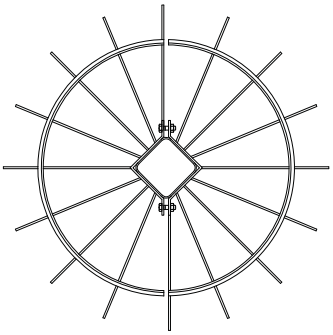
ACB2/ ..... (state diam)
Anti Climb Guard
Circular Columns



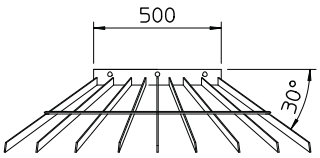


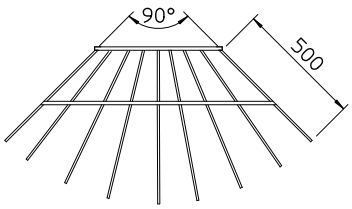
ACB3/ ..... (state Section)
Anti Climb Guard
Square Columns



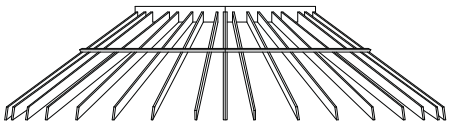


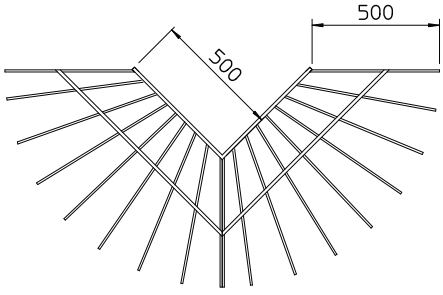
ACBW
Anti Climb Bracket Wall





ACBC
Anti Climb Bracket Corner





Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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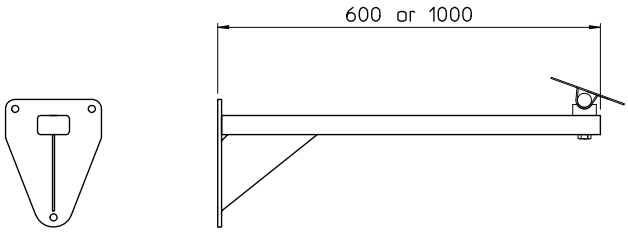
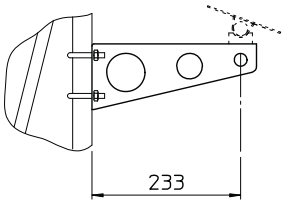
External Brackets - Fixed Camera
HB Range

All dimensions in mm unless otherwise stated

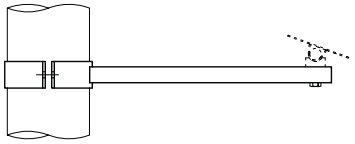
HB600
HB1000 Wall mount 600 (1000) long c/w swivel



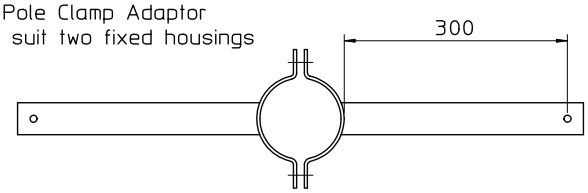
TCA
Tower Clamp Adaptor to suit WD & ST Towers



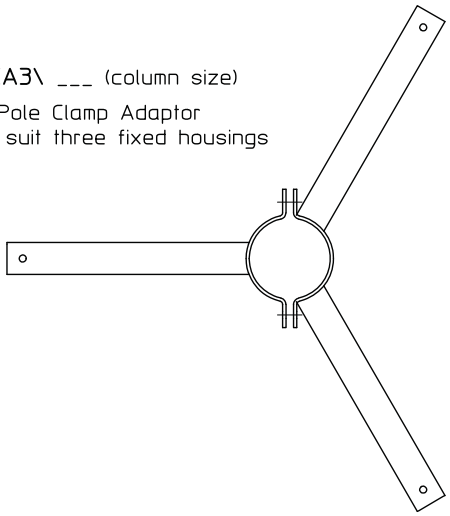
PCA1\ ___ (column size)
Pole Clamp Adaptor to suit one fixed housing



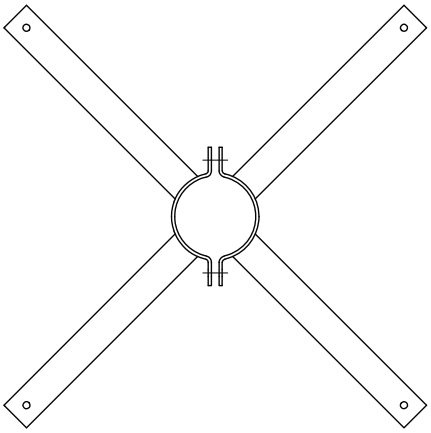
PCA2\ ___ (column size)
Pole Clamp Adaptor to suit two fixed housings



PCA3\ ___ (column size)
Pole Clamp Adaptor to suit three fixed housings



PCA4\ ___ (column size)
Pole Clamp Adaptor to suit four fixed housings



Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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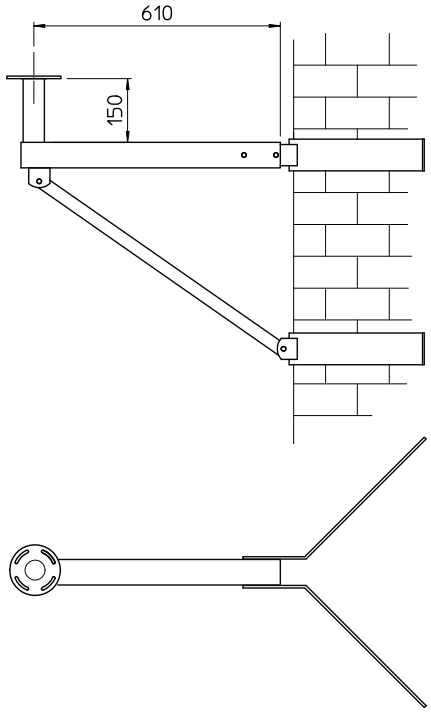
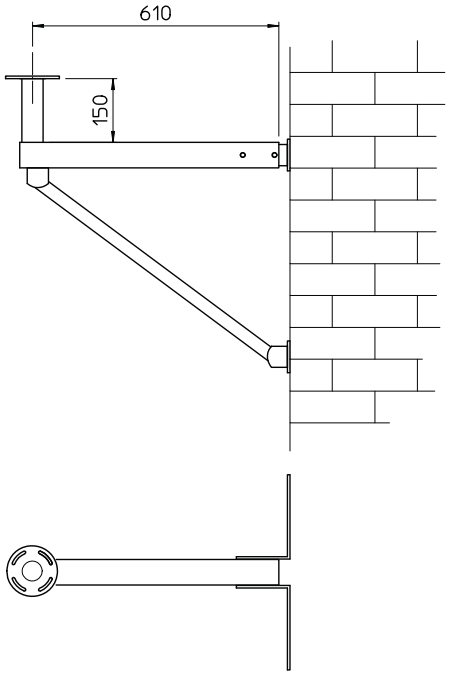
External Brackets - Pan & Tilt Camera
HD PTZ Range

All dimensions in mm unless otherwise stated

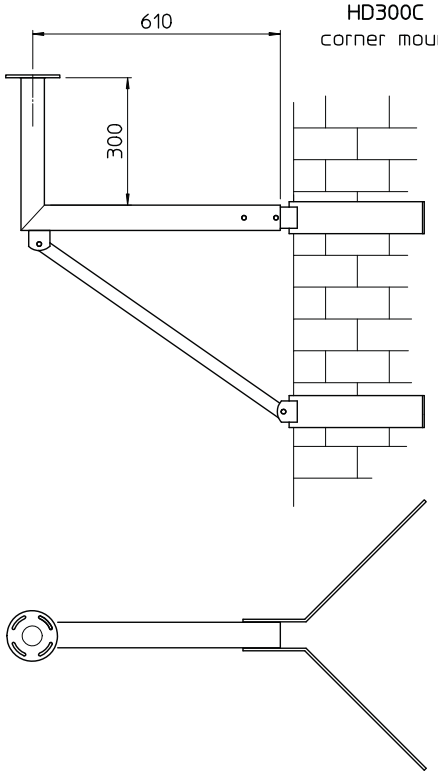
HDPTC
corner mount



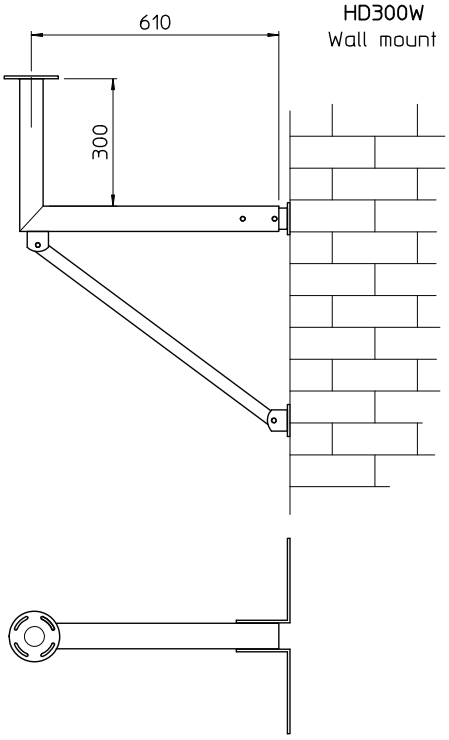
HDPTW
Wall mount



HD300C
corner mount



HD300W
Wall mount



Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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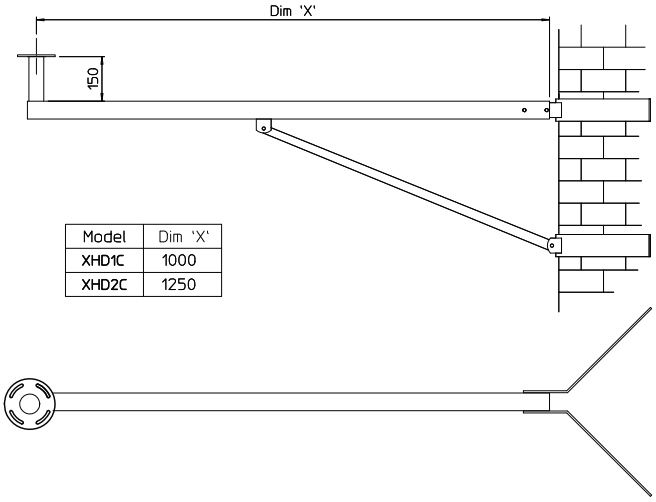
External Brackets - Pan & Tilt Camera HD PTZ Range

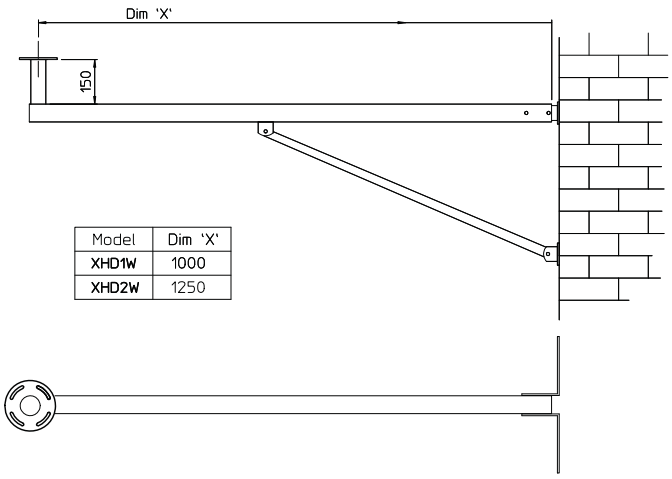
All dimensions in mm unless otherwise stated

corner mount

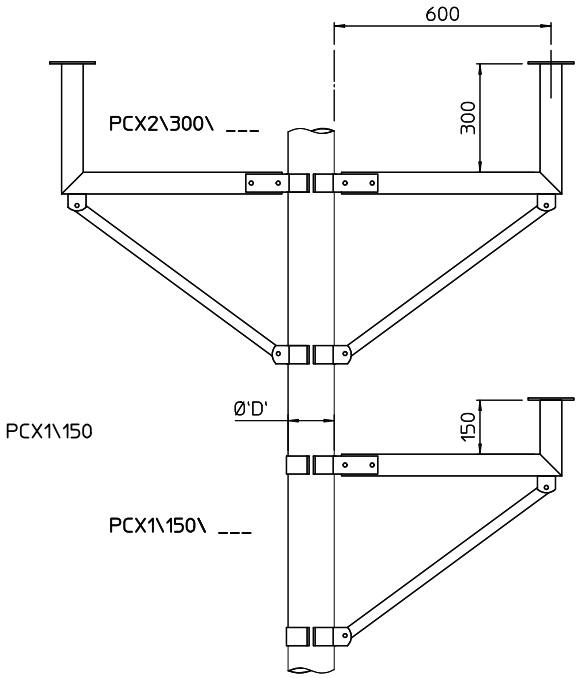


Model	Dim 'X'
XHD1C	1000
XHD2C	1250

Wall mount



Model	Dim 'X'
XHD1W	1000
XHD2W	1250

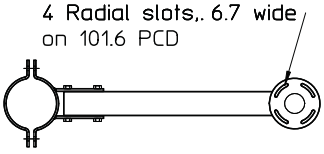


PCX1\150\ ___ Clamp on boom (600), 150 upstand, State Column dia.

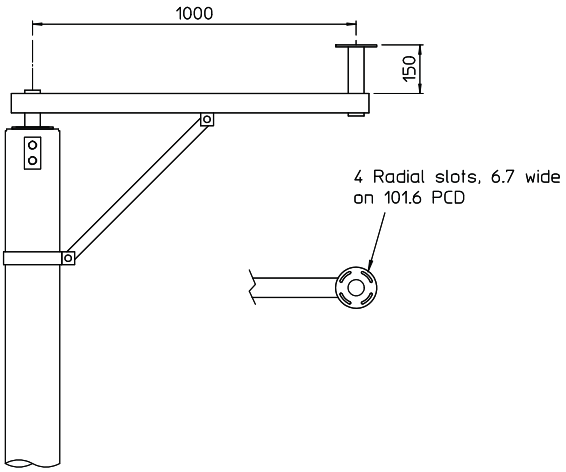
PCX1\300\ ___ Clamp on boom (600), 300 upstand, State Column dia.

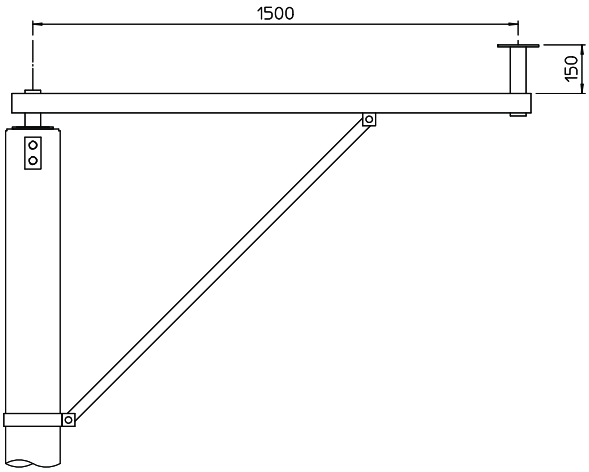
PCX2\150\ ___ Dual Clamp on boom (600), 150 upstand, State Column dia.

PCX2\300\ ___ Clamp on boom (600), 300 upstand, State Column dia.



TOB\1000\ ___ (state column dia) Tubular Offset Bracket for PTZ **TOB\1500\ ___ (state column dia)**





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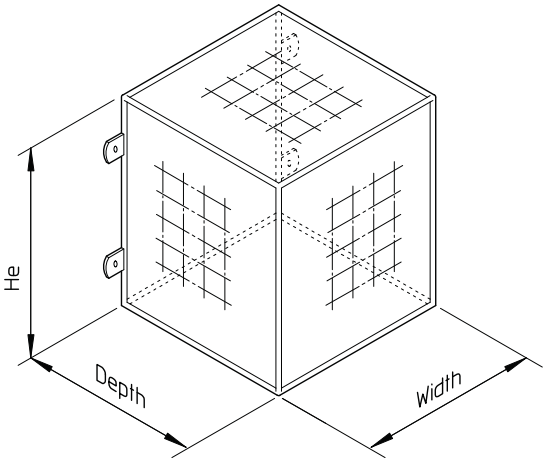
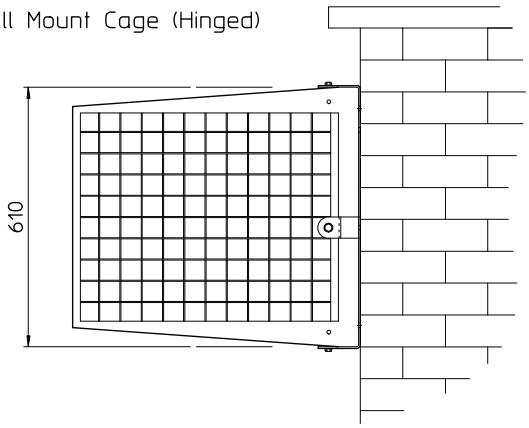
Protection Cages
C Range

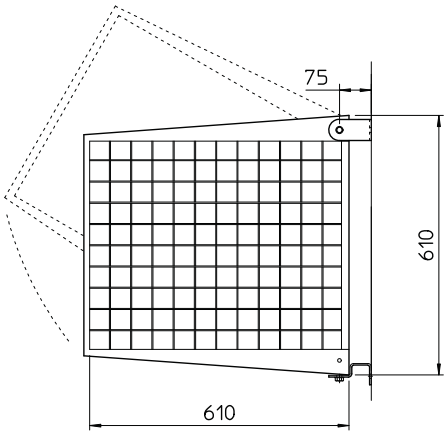
All dimensions in mm unless otherwise stated

Model **C450**
Wall Mount Cage



Model **C600H**
Wall Mount Cage (Hinged)



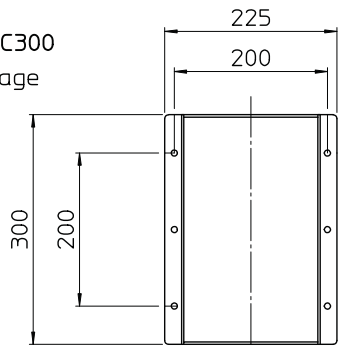


Plan Elevation

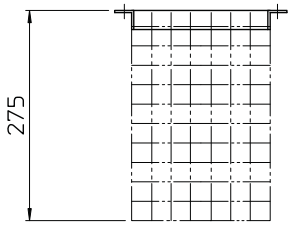
Description

C450	7d
C450H	as above, but hinged from wall
C600	610h x 610w
C600H	as above, but hinged from wall
C646	610h x 450w x 610d
C600H	as above, but hinged from wall

Model **RWC300**
Redwall cage



6-Ø8 holes



Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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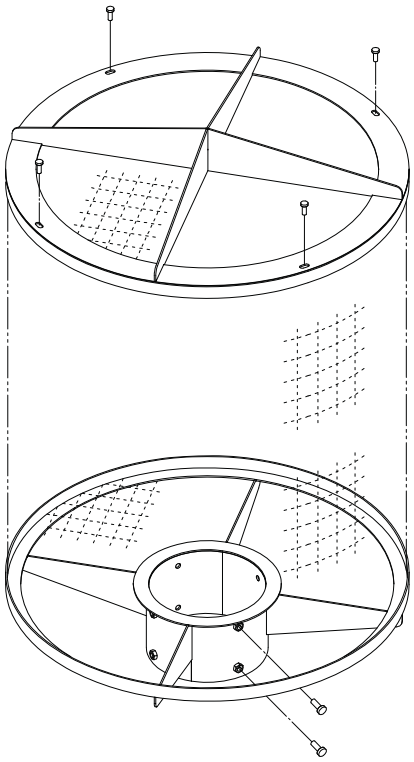
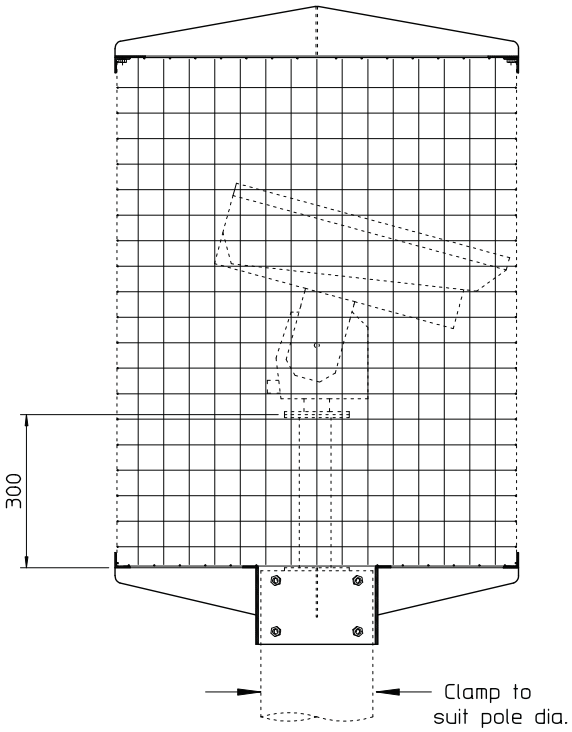
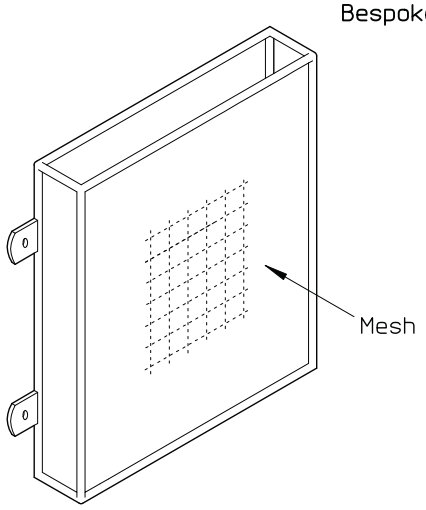
Model C/TPM

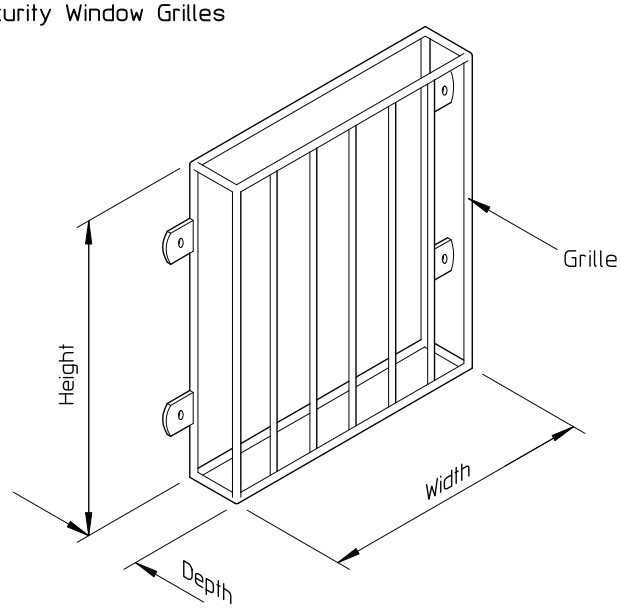
Pole Top Cage for PTZ Cameras





Bespoke Security Window Grilles





Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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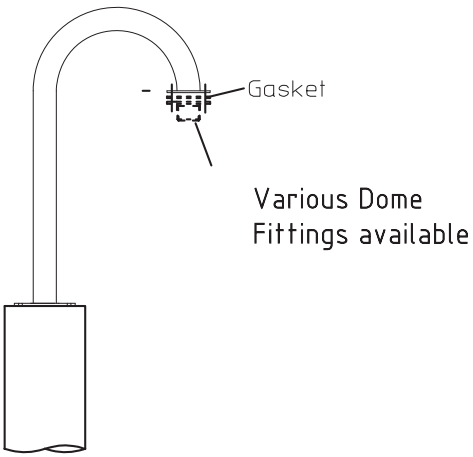
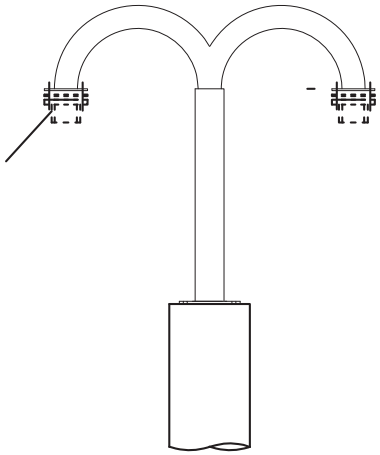
Swept Dome Adaptors
SDA Range

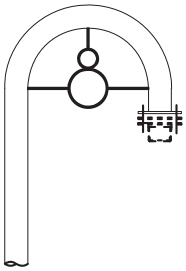
SDA450 450 Swept Dome Adaptor
SDAL900 900 Lg.

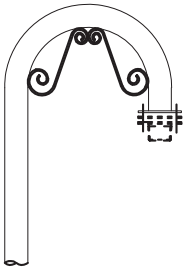
SDA2 450 450 Twin Swept Dome Adaptor
SDAL2 900 900 Lg.

A range of decorative versions for all products are available



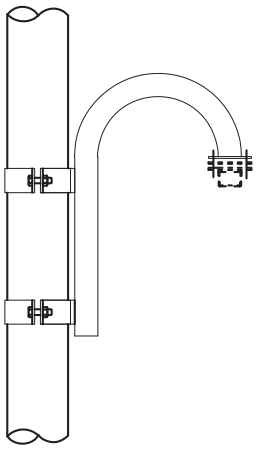




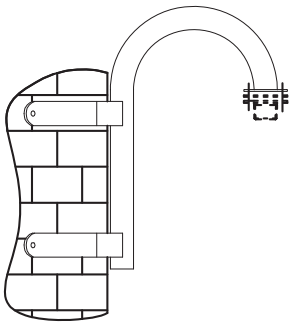


External dome brackets are finished with a standard flange.
Many other fitting types adaptors are available upon request.

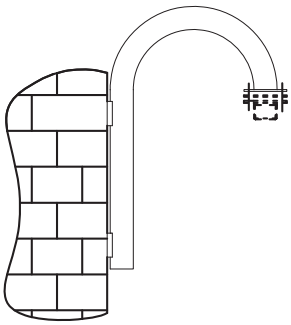
SNAP
Swan Neck Adaptor Pole



SNAC
Swan Neck Adaptor Corner



SNAW
Swan Neck Adaptor Wall



Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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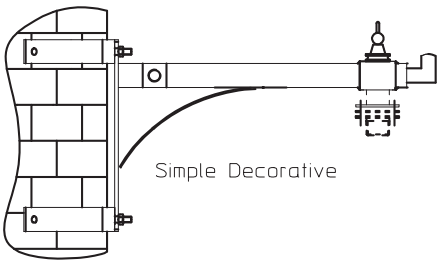
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

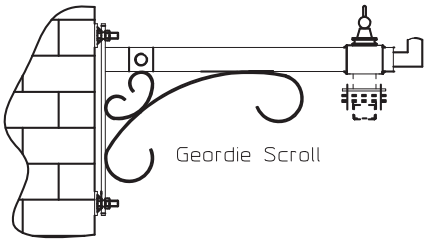
Dome Adaptors
SDA Range

Corner, Wall & Pole mount brackets are available

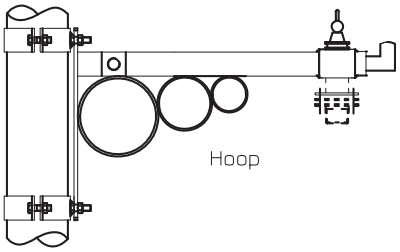
GCDM
Geordie Corner Dome Mount



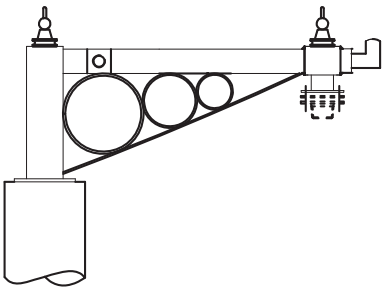
GWDM
Geordie Wall Dome Mount



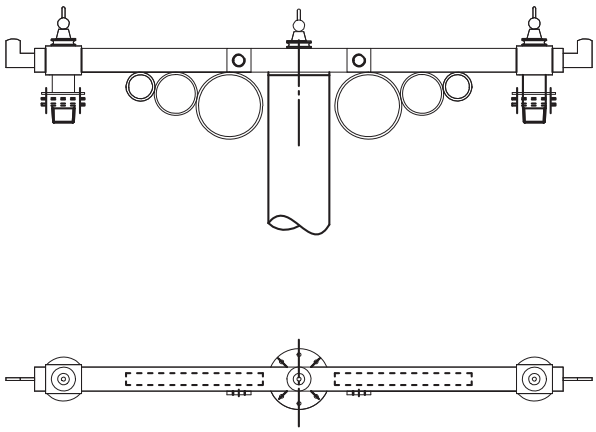
GPDM .....(state pole diam)
Geordie Pole Dome Mount



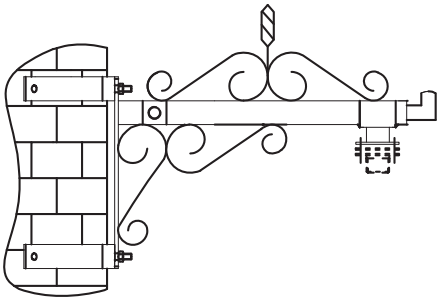
GTPM
Geordie Top Pole Mount

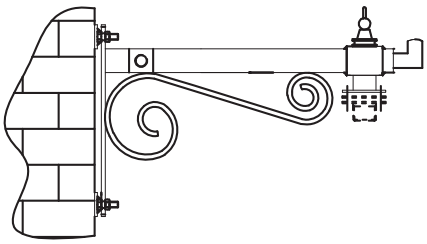


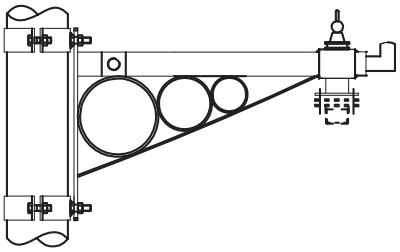
GTDM
Geordie Twin Dome Mount



bespoke styles made to order







Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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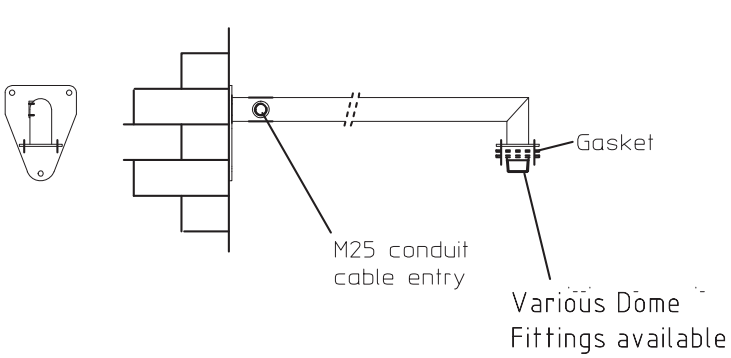
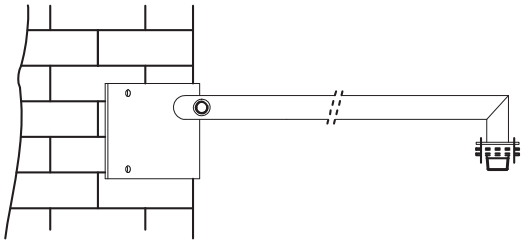
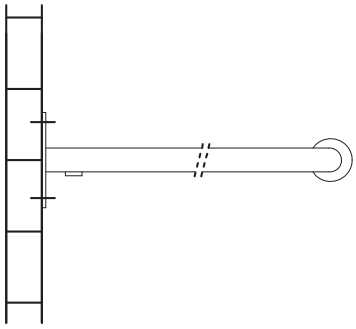
Dome Adaptors
SDA Range

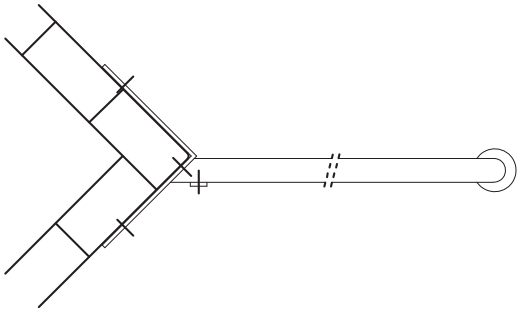
BWDM 600 Lg. wall mount - economy spec
BWDMX 1000 Lg.

BCDM 600 Lg. corner mount - economy spec
BCDMX 1000 Lg.

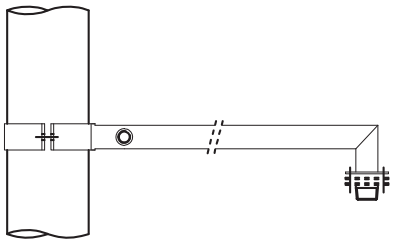


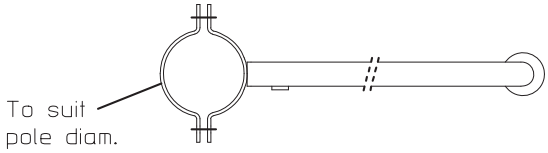






BPDM 600 Lg. Pole clamp - economy spec
BPDMX 1000 Lg.





Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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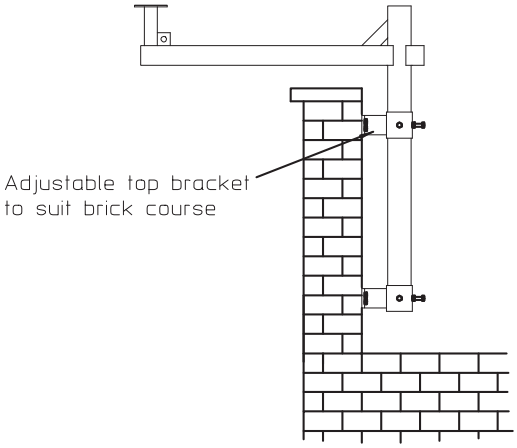
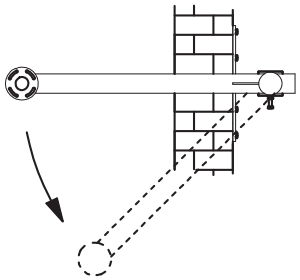
Roof Mounting Bracketry
ACC Range

Parapet Wall Mount Swing Arm

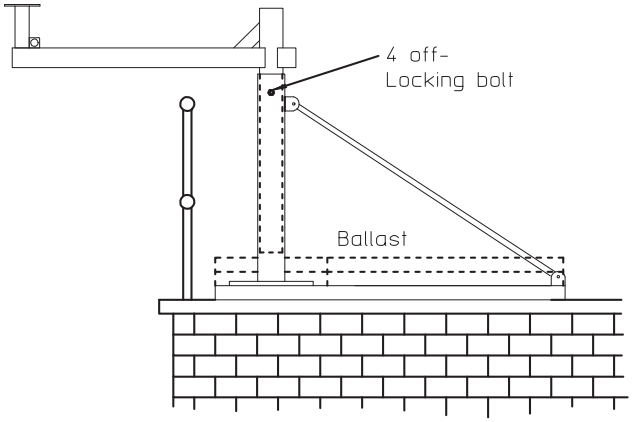


Internal & External corner mounts available

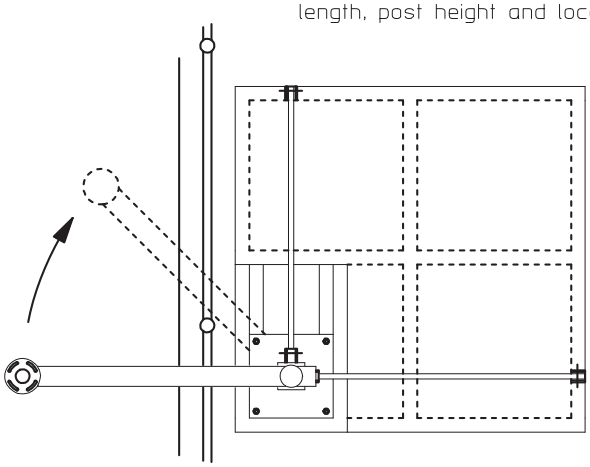


Rotates inboard to give safe
access for camera servicing.

Free Standing Swing Arm

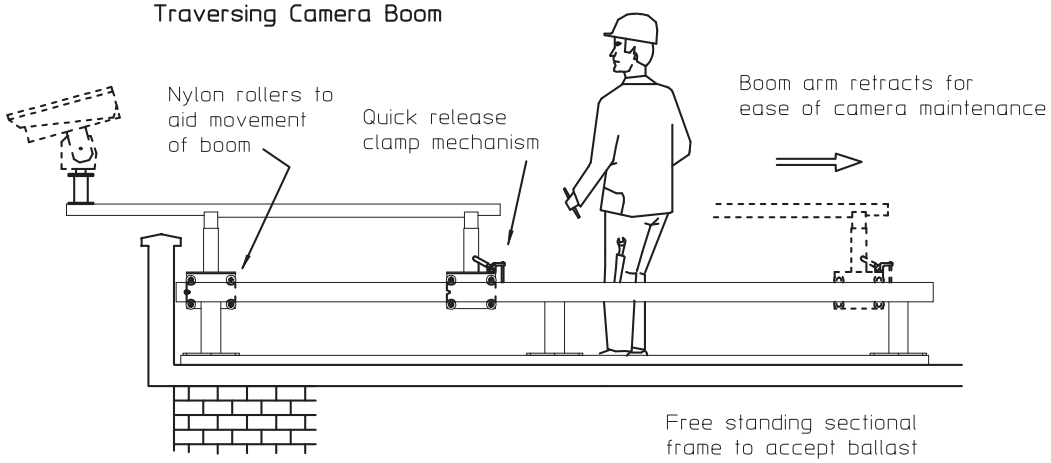


Ballast dependant upon arm
length, post height and location.



Rotates inboard to give safe
access for camera servicing.

Traversing Camera Boom



Free standing sectional
frame to accept ballast

Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
In accordance with CP3 chapter
V Pt 2 & BS 6399 Pt 2:1997

Paint finishes:
BS 4800 & RAL colour range

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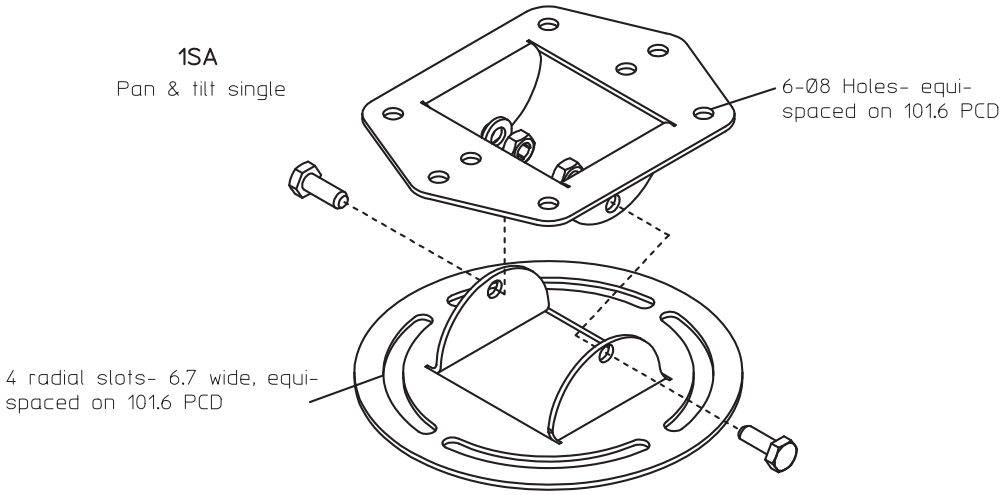
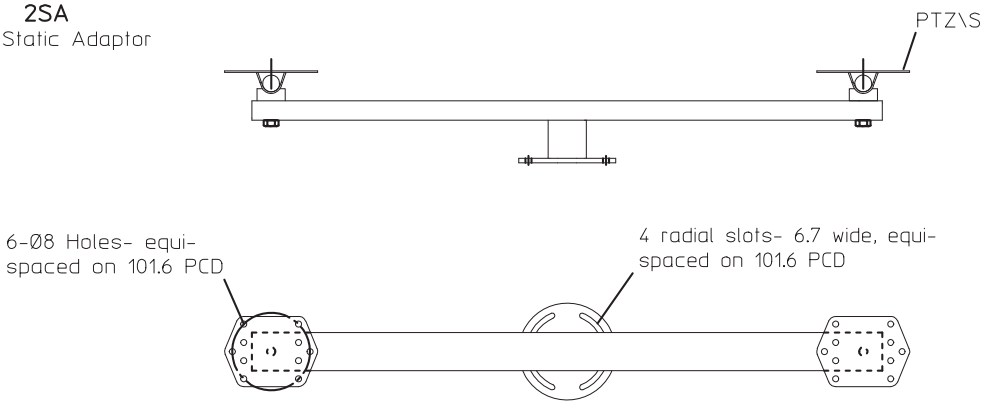
All dimensions in mm unless otherwise stated

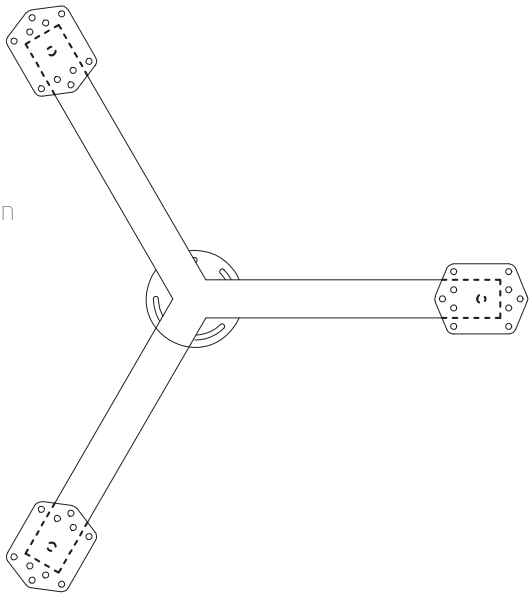
1SA
Pan & tilt single



2SA
Twin Static Adaptor



3SA
Triple Static Adaptor



Also available in a "3-in-line" version

Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
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Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
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Paint finishes:
BS 4800 & RAL colour range

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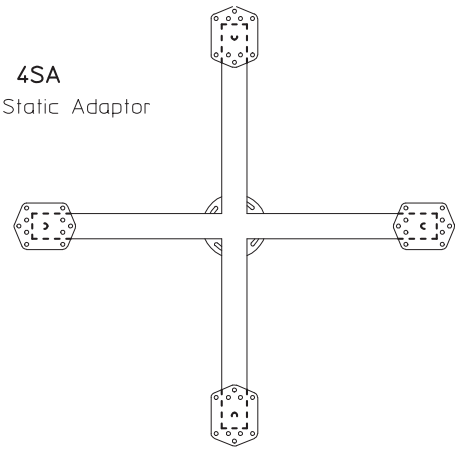
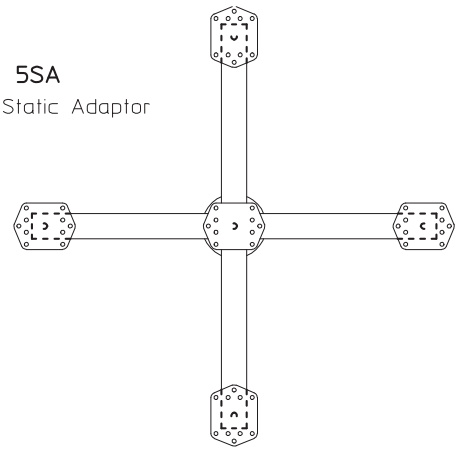
Accessories
ACC Range

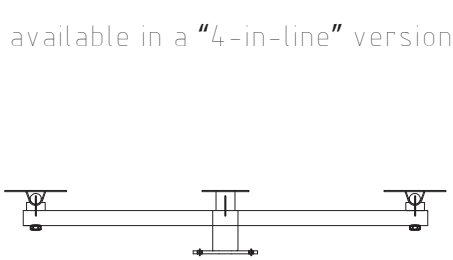
4SA
4 Way Static Adaptor

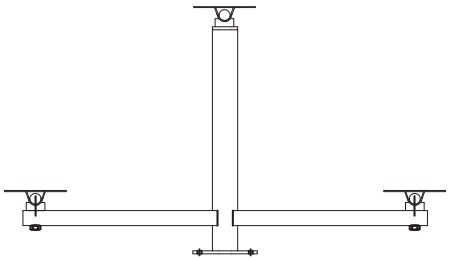


5SA
5 Way Static Adaptor

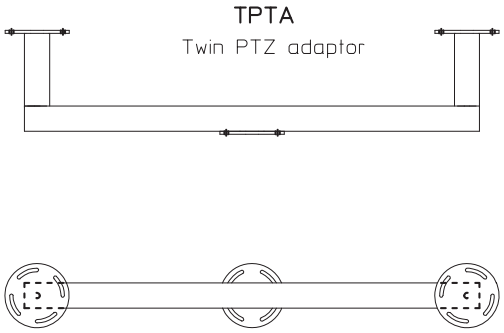


Also available in a "4-in-line" version

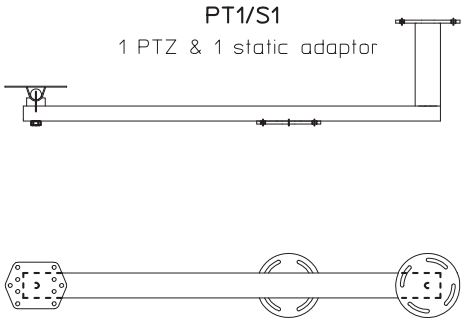




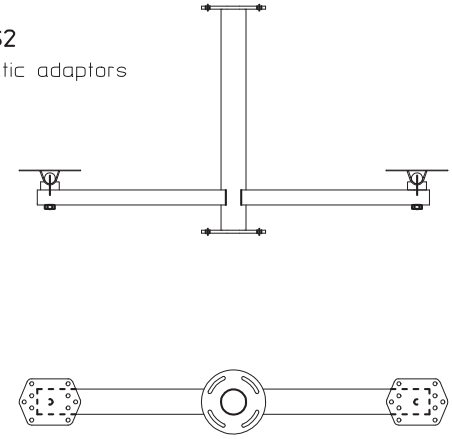
TPTA
Twin PTZ adaptor



PT1/S1
1 PTZ & 1 static adaptor



PT1/S2
1 PTZ & 2 static adaptors



All dimensions in mm unless otherwise stated

Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

Design Wind Loading:
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Paint finishes:
BS 4800 & RAL colour range

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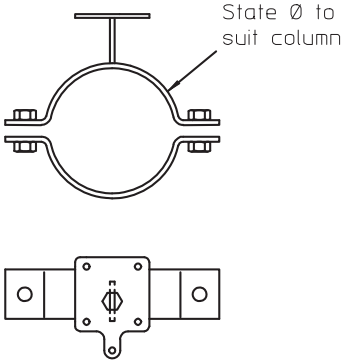
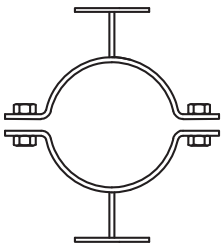
Clamp Brackets to suit Redwall Detectors

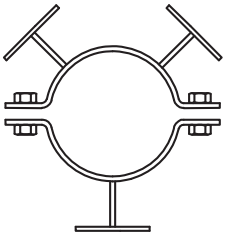
RWC\1



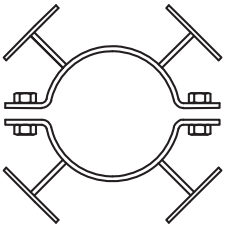
RWC\2



RWC\3



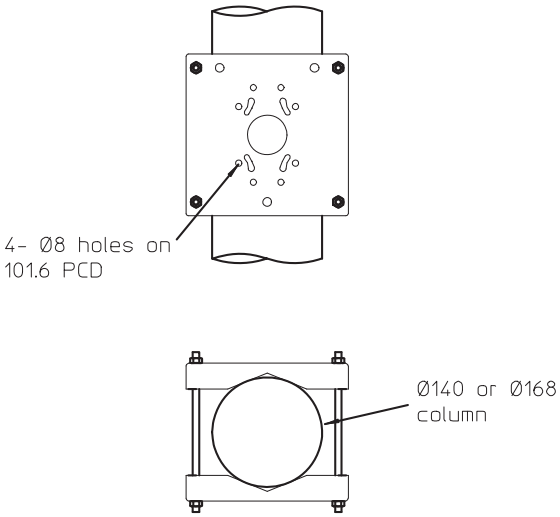
RWC\4



Clamp Brackets to suit square sections also available

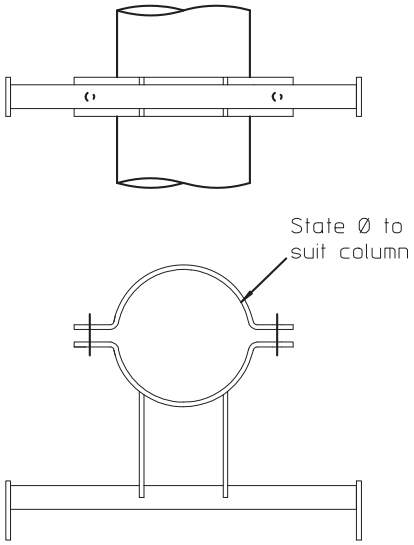
UPCA

Universal pole clamp adaptor

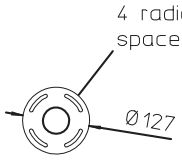


LRC

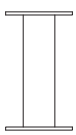
Clamp on ladder support



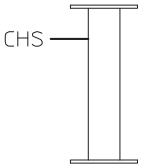
Ref.	Lg.
CS150	150
CS225	225
CS300	300
CS450	450
CS600	600
CS1000	1000
CS1500	1500
CS2000	2000



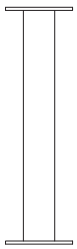
CS150



CS225



CS300



CS450

Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

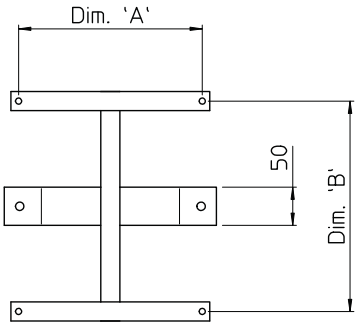
Design Wind Loading:
In accordance with CP3 chapter V Pt 2 & BS 6399 Pt 2:1997

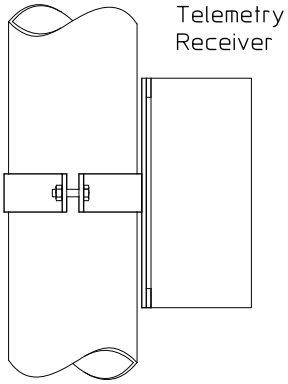
Paint finishes:
BS 4800 & RAL colour range

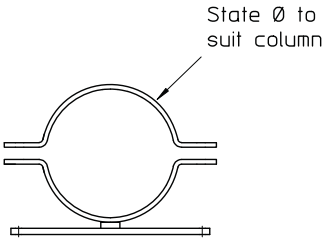
All WEC products are subject to ongoing development. Therefore, we reserve the right to make technical modifications without notice.
BRITANNIA HOUSE, JUNCTION STREET, DARWEN, LANCASHIRE, BB3 2RB. TEL: (01254) 700200. FAX: (01254) 873637. E-MAIL: all@wec.uk.net

TBC

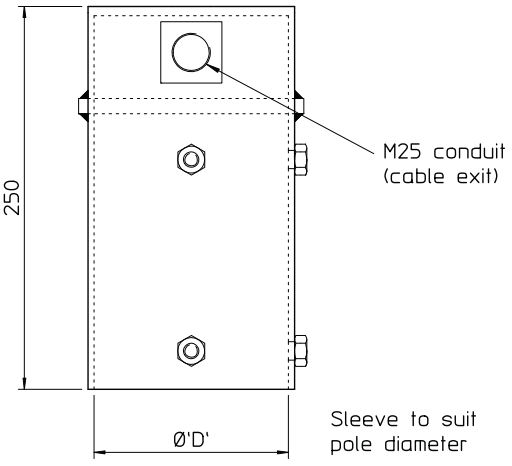
Clamp on Telemetry bracket

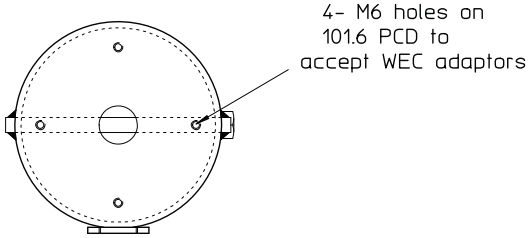






	Dim A	Dim B
ZR4 WBX	255	534
ZR3 WBX	240	180
ZR4 MINI	254	254
ZR3 MINI	254	254
7361 WBX	254	254
7362 WBX	254	254





Top Hat Adaptor

TPMA\ ___ (Pole diam)

Standards Applicable

General Steelwork:
BS 1449:1991, BS 1387:1985
BS EN 10025:1993

Structural Steelwork:
BS EN 10210-1:1994
BS EN 10210-2:1997

Hot Dipped Galvanized:
BS EN ISO 1461:2009

Welding Procedures:
Comply with BS EN 1011-2:2001

Fasteners:
Grade 8.8 BS 3692:2001
BS 4190:2001 DIN931, DIN934

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Accessories
Popular Brackets

Accessories


Anticlimb Brackets


PCA Brackets


3SA Bracket

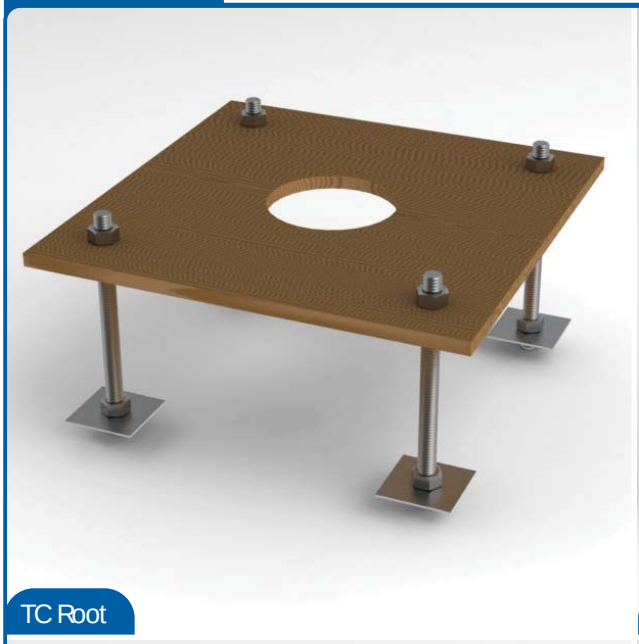

UPCA Brackets


Anti Vandal Cages

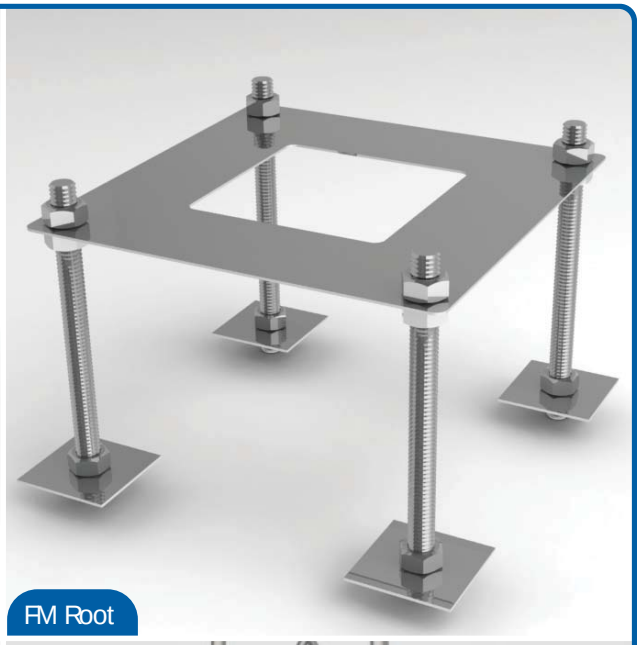

HDPTW Bracket

Root Information
Roots

Roots

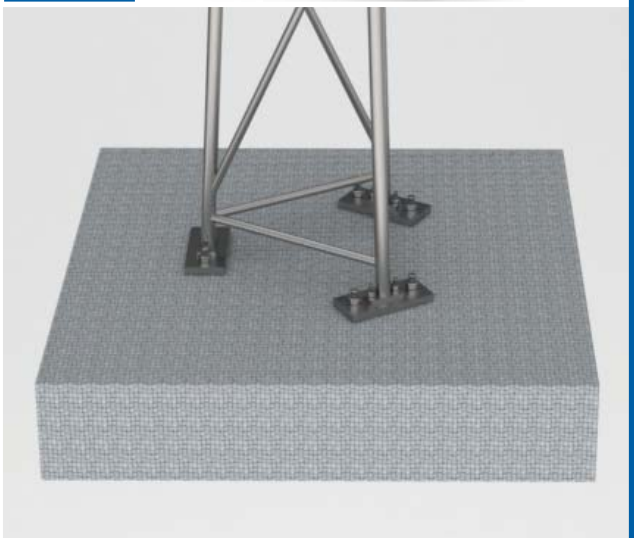


TC Root



FM Root

ST Root



ST / AF

WD Root

WD / AF

FMPKT
TCPKT
state type

FMTDB
FMSDB
state type

Miscellaneous
Card Reader / Access Posts

Gallery

Custom Stainless Steel Reader Post

Single Height Access Post

Custom Stainless Steel Intercom Post

Custom Information Post

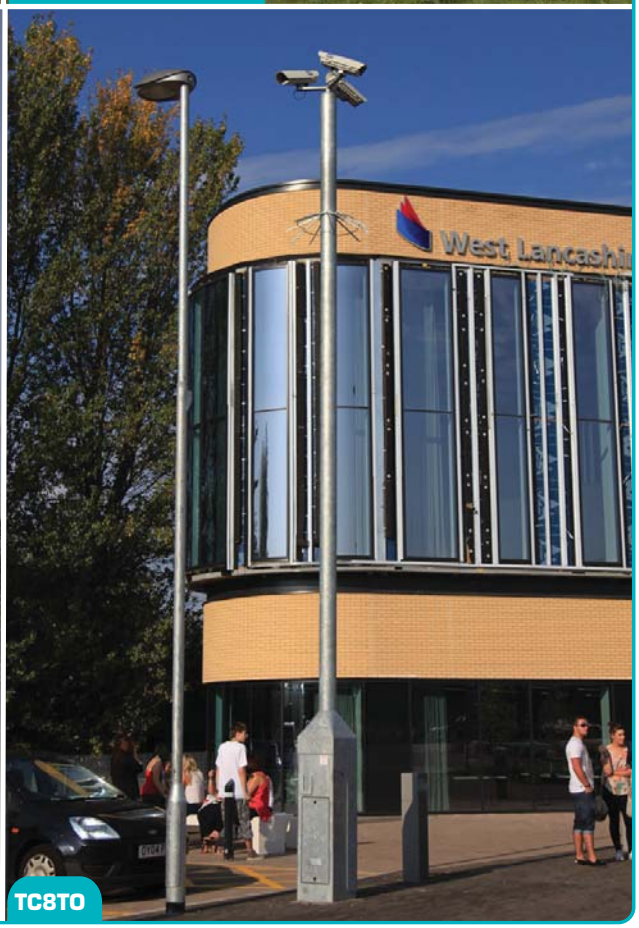
Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Gallery

TC6TO with double arms bracket

ST6 Lattice Tower

CB6



TC8TO

Gallery


FMT8


CB8TP


TP4T


TP5S

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

TC8

Gallery

Anti-Congestion Cantilever Pole

Anti-Congestion Cantilever Pole

TP5S

FMT4

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Gallery

TC6TO

WD12 Heavy Duty

FMV8 Turner

Wall Mounted Swing Bracket

Gallery

Sales Direct: +44 (0) 1254 700200
Fax: +44 (0) 1254 873637 Website: www.wec.uk.net Email: all@wec.uk.net

Terms & Conditions

1. The Contents of this Contract.

a. In this contract 'the Company' means WEC Group Limited. The 'Goods' means the goods or services sold or supplied by the Company to the Customer under this Contract. 'This Contract' means a Contract between the Customer and the Company incorporating these conditions.
b. This Contract governs the sale of Goods by the Company to the exclusion of all other representations, statements, understanding, negotiations, proposals or agreements.
c. Where the Customer submits its own order form, these terms shall prevail if they conflict with the terms in that form, even if that form includes a condition silmilar to this one.
d. No employee of the Company or its agents has authority to make any warranty, statement or promise concerning the goods, except in writing signed by a duly authorised employee of the Company.
e. The Customer's order shall be subject to acceptance by the Company.
f. Orders are accepted and estimates of delivery given conditionally on the Company being able to secure the necessary labour or material and without responsibility for delays or non-fulfilment arising through risk and uncertainties of manufacture, strikes, accidents, force majeure or otherwise however caused.
g. All drawings, descriptive and forwarding specifications, particular of weights and dimensions are approximate only and not binding and illustrations contained in catalogues, sales literature and other advertising material are for the purpose of general description only and none of these shall form part of this Contract.

2. Prices

a. We reserve the right to invoice at the price ruling at date of despatch. All prices, unless otherwise stated, are exclusive of value added tax or any other duty which is or may be levied or charged in the UK or in the country of destination. Any such taxes, duties or charges shall be paid by the Customer.
b. Unless otherwise specified, packing cases and pallets will be charged extra, but will be credited in full on return carriage paid and in one month by the Customer. Export packing cases are not returnable.
c. The prices quoted are subject to any increase in the cost of labour or material between the date of quotation and despatch of Goods from our works and do not include installation costs.

3. Property of Goods

a. Property of Goods delivered by the Company shall not pass to the Customer until payment is made in full. In the case of default in payment, the Company shall be granted access rights in order to repossess the Goods. At all times before payment in full, the Goods shall stand in the Customer's books in the name of the Company and the Customer shall take appropriate steps to notify third parties of the Company's interest in the Goods and
b. In the event of threatened seizure of the Goods or appointment of a receiver or liquidator, or any other event entitling the Company to terminate this Contract under paragraph 8, the Customer shall immediately notify the Company. The Company shall be entitled to enter the Company's premises and repossess the goods.
c. If the Customer delivers the Goods to a third party, before payment has been made in full to the Company, the Customer shall hold all sums received for such Goods as trustee for the Company and shall remit them to the Company on receipt.
d. Risk in the Goods shall pass on delivery.

4. Delivery

a. Delivery shall be 'ex-works' unless otherwise agreed. If the Contract includes delivery by the Company or its nominated contractor, the Customer is responsible for giving the Company clear and accurate information as to the place of delivery.
b. Time shall not be of the essence in respect of delivery. If the Goods are to be delivered by a date specified by the Customer or the Company, such date is to be treated as an estimate only. The Company does not guarantee that the Goods will be delivered by such date or accept liability or any consequential losses for failure to meet the date.

5. Settlement Terms

a. Home Sales: Where credit facilities exist, accounts are due for payment within 30 days of the end of the month of delivery. Where special discount terms are quoted, the terms must be strictly adhered to otherwise the account will be charged nett. The Customer shall, unless agreed in writing, pay all sums to the Company under the Contract prior to delivery in cash or cleared cheque in pounds sterling. If for any reason the Company does not receive unconditional payment in full, whether under any terms of credit facilities or otherwise, within 30 days of month end delivery, then the Company may charge daily interest on such payments at a rate equal to 4% per annum above the Based lending rate of the National Westminister Bank plc., with such interest to run from day to day to accrue before as well as after any judgement.
b. Overseas and Export Sales: Special terms will be quoted for overseas deliveries.
c. If we incur third party costs such as tracing, debt collection agency or seek to take legal proceedings to enforce our rights as a result of breach of this Contract, including but not limited to recovery of all sums due, the Customer will be liable to reimburse the Company such costs incurred on an indemnity basis.

6. Deliveries

a. The Company does not accept responsibility for any damage, shortage or loss in transit unless:
i) Non-receipt of Goods is advised to the Company within 10 days from the date of the Company's advice/delivery note and
ii) Any breakage, damage or shortage is advised to the Company and carriers within 3 days of receipt of goods, provided that the carrier's note is marked 'unexamined'.
b. All sizes are approximate. Variations during the course of manufacture cannot be avoided and liability is not accepted for them. Where exact and detailed dimensions on standard products are required, then please contact our Technical Department for details.
c. When Goods are offered and supplied to a Customer's design and specification, no guarantee is given or implied of their suitability for the purpose of which they are intended.
d. In cases where fixings and holding down bolts are supplied, then it is the Customer's responsibility to ensure that the fabric being connected to is of suitable strength and quality to accept the fixings and equipment being connected to. It is the Customer's onus to ensure that the fixings are fitted in the correct manor and to the manufacturer's guidelines.
e. If during a period of 12 months from delivery the Company is notified of a fault in the Goods which is due to faulty design, manufacturing or materials, the Compand will replace or (at its option) repair the faulty part free of charge provided that:
i) The Goods have been properly kept, used and maintained in strict accordance with the manufacturer's or the Company's instructions, if any, and have not been modified.
ii) The fault is not due to accidental or willful damage, interference with or maintenance of the Goods by persons other than the Company or its duly appointed agent.
iii) If the Goods have been manufacture to the Customer's design, the fault is not due to faulty design by the Customer.
iv) This guarantee does not cover wear and tear.
v) The Customer will be required to return the faulty Goods to the Company.

7. Limits of Liability

a. Except where expressly contained in this Contract, all warranties, conditions, undertakings and representations, expressed or implied, statutory or otherwise, are excluded and the Company has no obligation, duty or liability in Contract, tort (including negligence or breach of statutory duty) or otherwise.
b. In any event, the Company's liability arising for any reason in connection with the Contract shall be limited to the original invoice value of the Goods.
c. In no circumstances will the Company be liable in Contract, tort (including negligence or breach of statutory duty) or otherwise for loss (whether direct or indirect) of profits, business or anticipated savings, or any indirect or consequential loss or damage whatsoever.
d. The Company does not exclude or restrict liability for death or personal injury resulting from its own negligence.
e. Each provision of this condition is to be construed as a separate limitation applying and surviving even if for any reason one or all of the said provisions is held unreasonable in any circumstances and shall remain in force notwithstanding termination of this Contract.

8. Termination

a. The Company shall have the right forthwith to terminate this Contract and to claim for any resulting losses or expenses if:
i) The Customer commits a breach of this Contract and fails to remedy the reach within a resonable time of written notice to do so.
ii) The Customer commits any act of bankruptcy or compounds with its creditors, or a petition or receiving order in bankruptcy is presented or made against the Customer, or a petition for an administration order is presented (otherwise than for reconstruction or amalgamation), or a receiver or administrative receiver or any similar event occurs under the laws of the state where the Customer was incorporated.

9. Modification of Contract

a. Should the Customer reduce quantities or modify specifications once an order has been place with the Company, then the Customer shall have liability for all materials and labour costs up to the point of contract modification.

10. Force Majeure

a. The Company shall not be liable in respect of any breach of this Contract due to any cause beyond its reasonable control including Act of God, inclement weather, flood, lightning or fire, industrial actions or lockouts, the act of ommission of Government, highways authorities or other competant authority, war, military operation or riot, the act of ommission of any part for whom the Company is not responsible.

11. Infringements

a. The Customer shall indemnify the Company against all damages, penalties, costs and expenses arising out of any claim by any third party for any infringment or alleged infringement of any third party's industrial or intellectual property rights in any work carried out in accordance with the Customer's specifications.
b. Copyright in all drawings or tracings prepared by the Company are the Company's property and copyright must be regarded as confidential. Such drawings and tracings must not be published or disclosed under any circumstances without the Company's permission in writing.

12. Applicable Law

a. The Law of England shall be proper law of Contract.

Credit Application

Please complete all sections in BLOCK CAPITALS and return to WEC Group Limited with a copy of your letter heading

Company Details

Customer Name ..... Company Reg. No .....

Trading Name (if different) .....

Address .....

..... Post Code .....

Tel No. ..... Fax No .....

Registered Office (if different from above) .....

Post Code ..... VAT No .....

Tel No. ..... Fax .....

Type of Company (circle as appropriate)

Public Limited Company Limited Company Partnership Sole Trader

Parent Company Name .....

Name & Address of Directors / Partners / Sole Traders

1) .....

..... Post Code .....

2) .....

..... Post Code .....

3) .....

..... Post Code .....

Number of years trading ..... Credit limit required (£ per month) .....

Approx annual turnover ..... Total No. of staff .....

Number of outlets (please supply details under separate cover) .....

Do you require to give official order numbers? Yes / No Confirmed in writing? Yes / No

Contact name & telephone no. of person in charge of accounts payable .....

Bank Details

Banker ..... Branch .....

Sort Code ..... Account No .....

Account Name ..... Bank Tel No .....

Trade References

Name ..... Name .....

Address ..... Address .....

Post Code ..... Post Code .....

Tel No ..... Tel No .....

Contact ..... Contact .....

I/We have read your conditions of sale as set out and agree that they supercede any terms/conditions confirmed in our purchase order.

Signed ..... Signed .....
(Authorised signatory) (Authorised signatory)

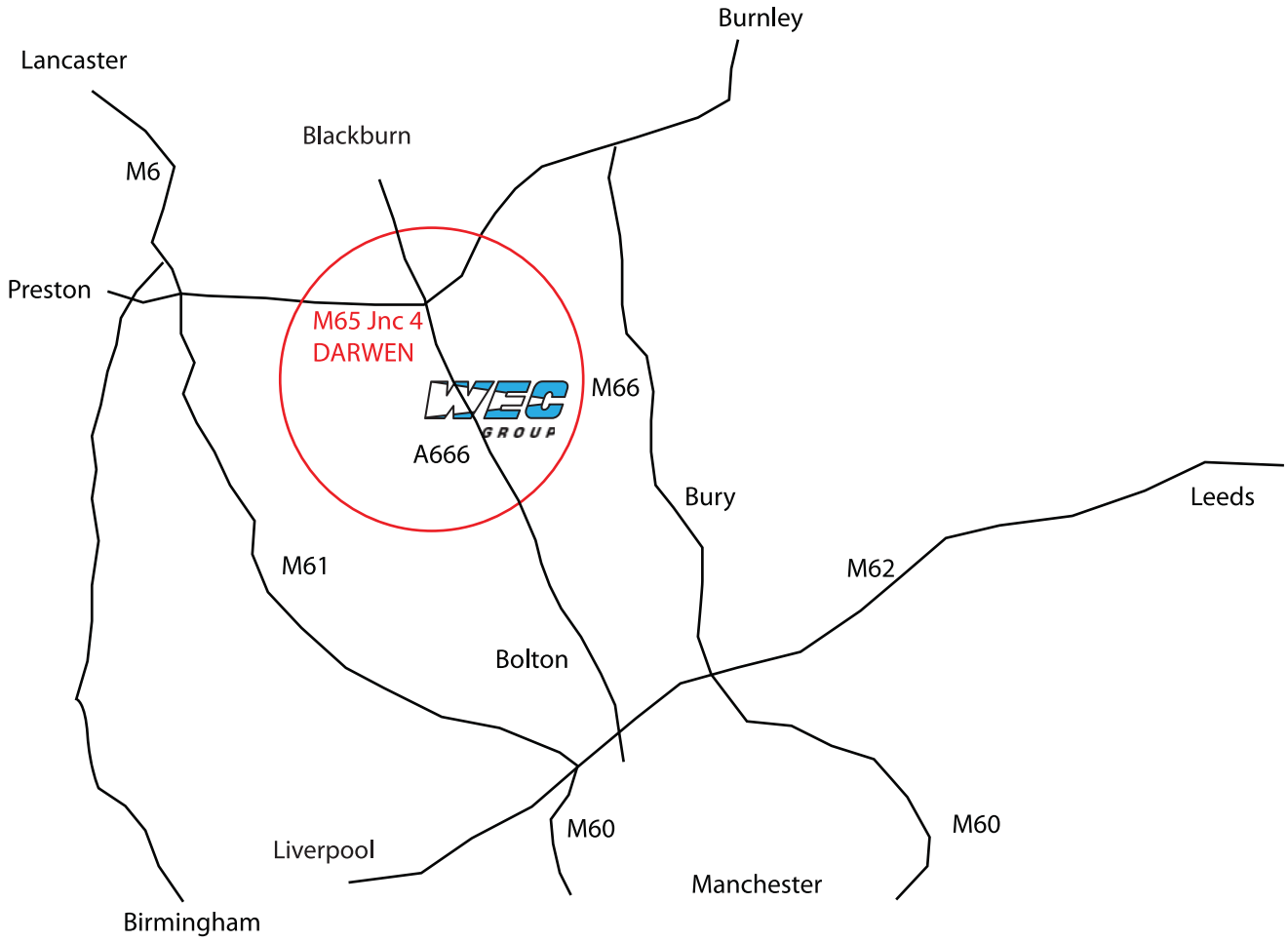
Print Name & Title ..... Print Name & Title .....

Date ..... Date .....

Account Approval ..... Credit Limit ..... Account Number .....

Thank you for completing this form - we will process it as quickly as we can, and look forward to your valued orders in the near future

Location Map



Directions

Leave M65 at Junction 4

Take the exit for Blackburn/Darwen off the roundabout

Move into the left hand lane and head towards Darwen/Bolton A666

Continue through Darwen centre and on past India Mill on your left

Junction Street Site

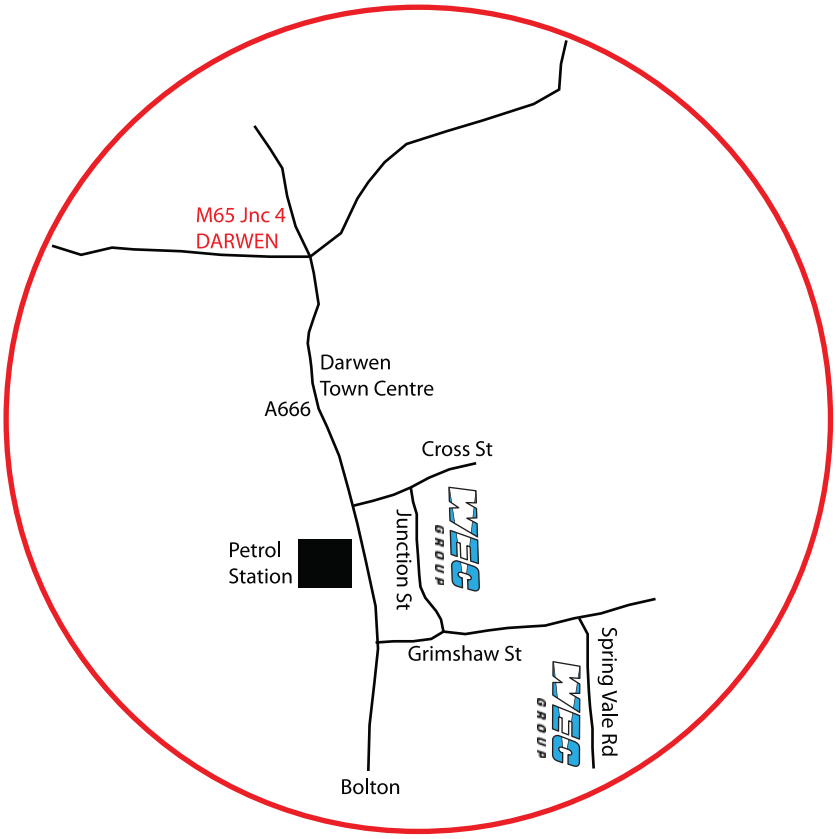
Take a left before the petrol station onto Cross Street

WEC is on your right

Spring Vale Road Site

Take a left after the petrol station onto Grimshaw Street

WEC is second road on your right



WEC
CCTV

Britannia House, Junction Street,
Darwen, Lancashire BB3 2RB.

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Fax: +44 (0) 1254 873637
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Email: all@wec.uk.net

WEC CCTV is a trading division of WEC Group Lt