

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.

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



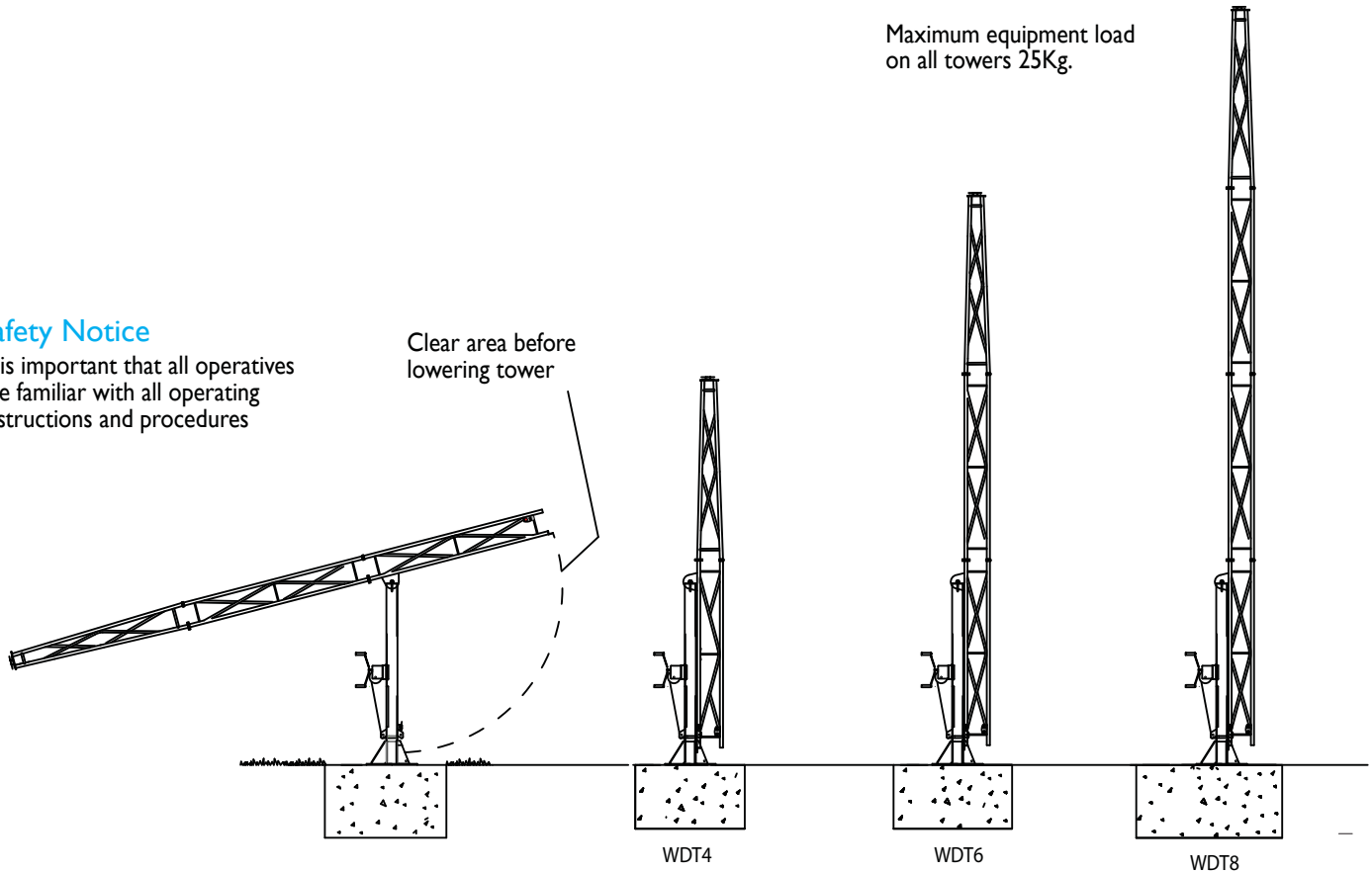
WDT8 in Tilt Position

Technical Specification

Safety Notice

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

Clear area before lowering tower



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 8 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

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

- WUA - Heavy duty
- WUB - Light duty

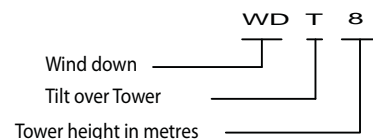
Removable Winches

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	—
		—

Accessories & Adaptors	
Part ref.	Description
WDT/ACB1	Anti Climb Bracket
WDT/ACB1-M	Security mesh welded in lower section
WDT/Paint	Painting in BS4800 & RAL colours
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WDT/SDA	Swept Dome Adaptor
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)

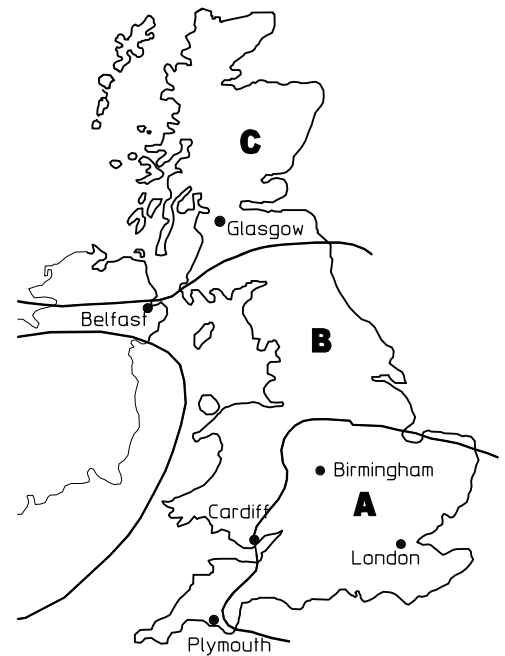
Product Ref & Ordering Information



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 0.65m 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 minimum 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 advice 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

