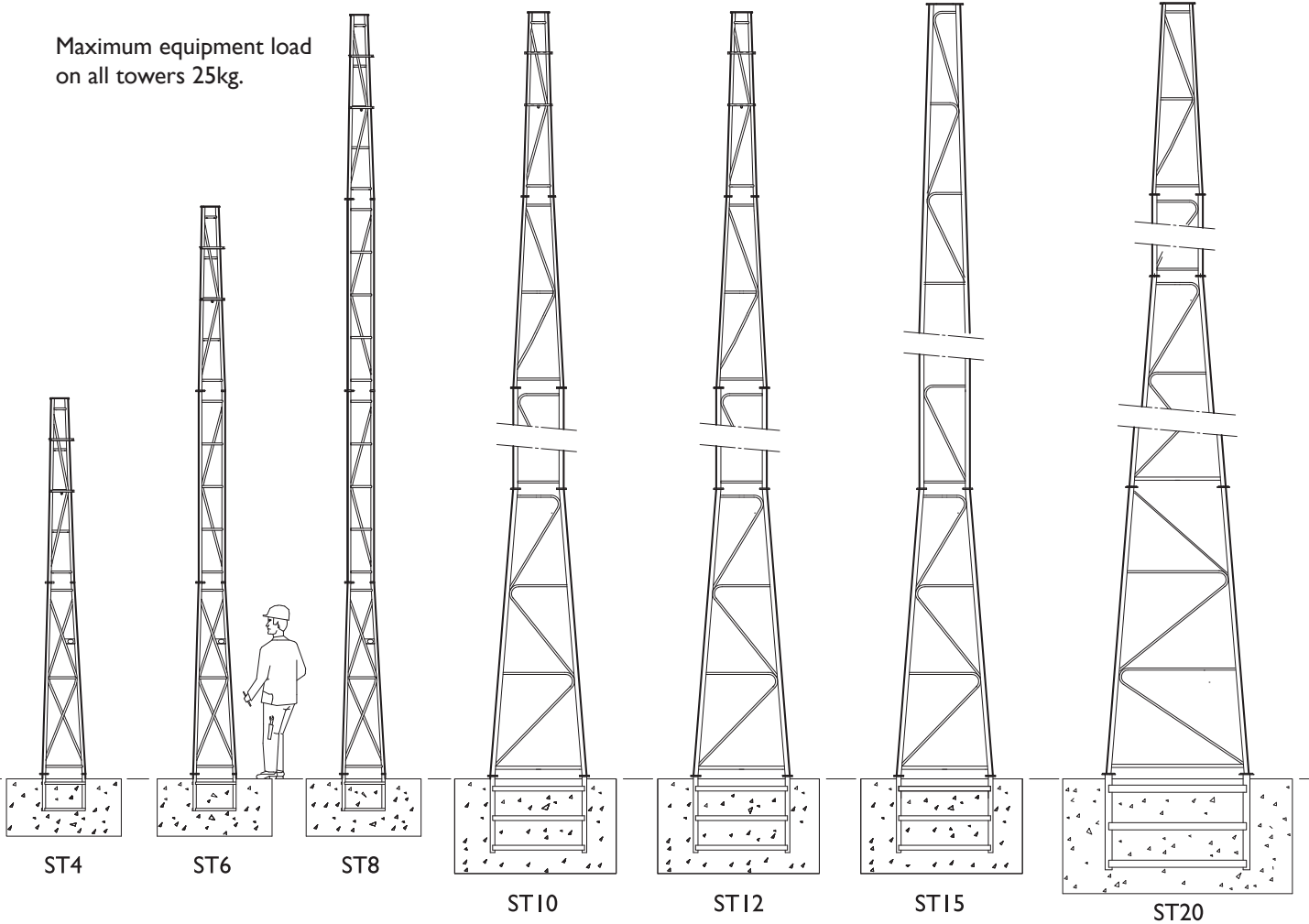


Technical Specification

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

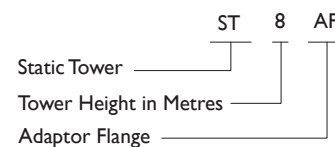
Standards Applicable

- 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)

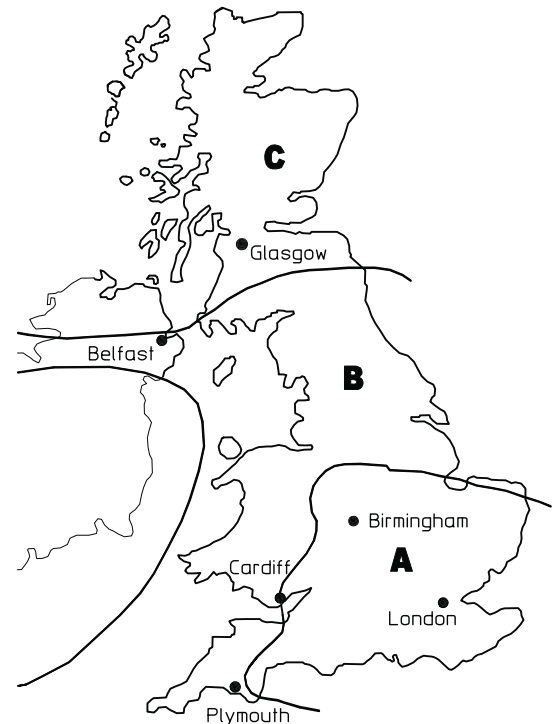
Product Ref & Ordering Information



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 Dp.
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.

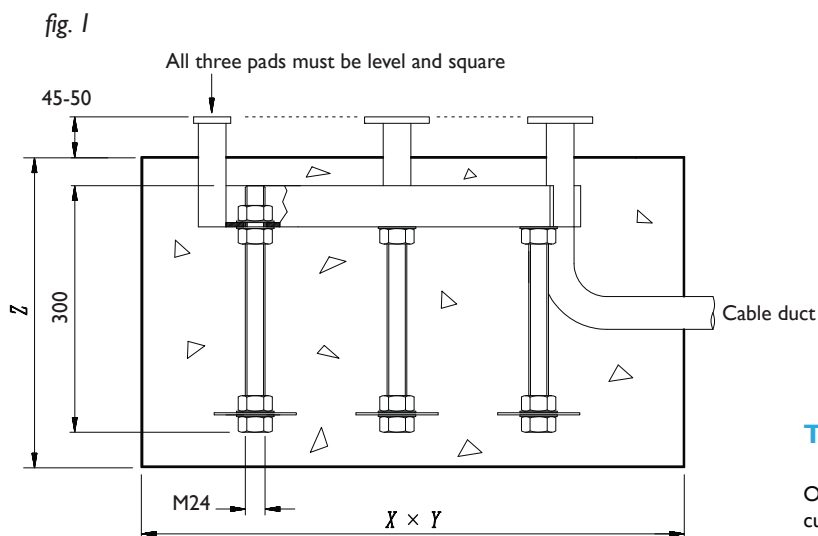
A minimum soil bearing pressure of 75 KN/m² is assumed



Installation Method

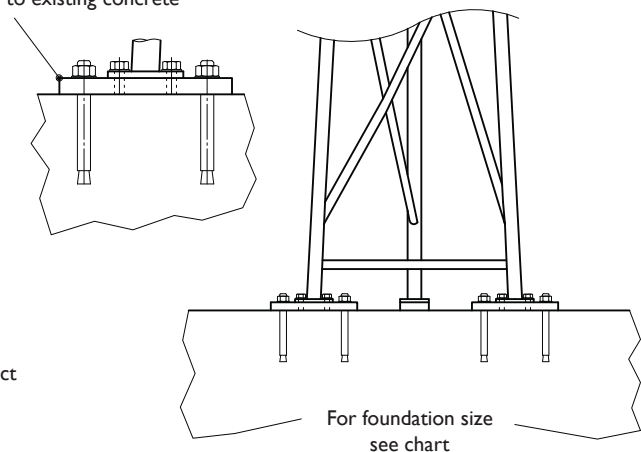
1. From the map, select location of installation
2. Excavate as per recommended area and depth
3. Assemble root base as shown in fig. 1
4. Place cable duct in position, if required, and firmly secure
5. Support root in the excavation using locally supplied timber or similar
6. Ensure all three mounting 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 81 10, tamp down and level surface
8. Check that all three pads are still level and leave to cure for a minimum of 72 hours prior to erecting the tower

Buried Root Type



Adaptor plate for fixing tower to existing concrete

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 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.