

TELESCOPIC TILT-OVER TOWER

DATA SHEET

TRIANGULAR TOWER

Product no.
Ref.nr.
Latest rev.

TELSK 20,70M
01.08.01.10
02.10.2025

Carl C

Telescopic TES 21

Carl C. A/S produces telescopic tower for communication, amateur radio, meteorological, flood-light and surveillance application.

The telescopic towers are designed to the latest EU structural design specification. The tower range is suitable for a variety of operations such as temporary communication sites for the cellular industry, tactical communication, meteorological applications, CCTV surveillance, flood light applications, amateur radio etc.

The tower is produced using hot dip galvanised solid rod material making the tower slim and attractive, yet solid with high load and wind capability. The tower range comes with a selection of exchangeable head-gear such as top tube, rotor head for radio amateurs, platforms for CCTV, side booms for anemometry etc.

The tower slides on integrated phosphor bronze and stainless steel roller bearings preventing the tower to 'stick' in high side winds. The tower will always be retractable regardless the weather condition. It's unique features includes an end-position locking system preventing wiggle of the sections when extended. This unique feature allows the tower deflection parameters to be as if it was a fixed tower. The telescopic tower can be used as a stationary or mobile tower, the stationary tower are for example used when easy access is necessary to adjust or replace equipment on the top of the tower, whereas the mobile towers are used especially for telecommunication or for military purposes.

- Solid Rod
- Triangular profile tower
- Square profile tilt over stand
- 3 Sections
- Hot dip galvanised
- Easy Slide roller bearing system
- Optional motor winch
- 2 x High geared hand-crank winch as standard
- End position Locking of Sections
- Flange foundation connection
- Mobile or fixed deployment



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Technical Data

Design Standard

DS/EN ISO 1090-1

DS/EN 1993-3-1

Weight

800kg

Coating

Hot dip galvanised acc. to EN ISO 1461

Loading Capability:

Load is applied at 21.3m, terrain category II

State	Basic wind speed	Gust wind speed	Area	Weight
Extended tower	9.0 m/s	15.0 m/s	2.0 m ²	130 kg
	15.0 m/s	25.0 m/s	0.3 m ²	40 kg
Extended guyed	9.0 m/s	15.0 m/s	4.0 m ²	130 kg
	15.0 m/s	25.0 m/s	2.0 m ²	130 kg
	24.0 m/s	40.0 m/s	1.1 m ²	130 kg
Folded	10.0 m/s	15.0 m/s	4.5 m ²	130 kg
	16.8 m/s	25.0 m/s	1.7 m ²	130 kg
	26.6 m/s	40.0 m/s	0.7 m ²	90 kg

Options

- Top tube 1m - 2m
- Rotor head unit
- Top tube
- CCTV camera platform
- wind instrument side booms

Applications

- General Communication
- Surveillance, CCTV
- Flood Light
- Meteorological sites
- Tactical Communication
- Radio amateur

