

Lightweight Composite Telescopic Mast Systems

COBHAM

The most important thing we build is trust

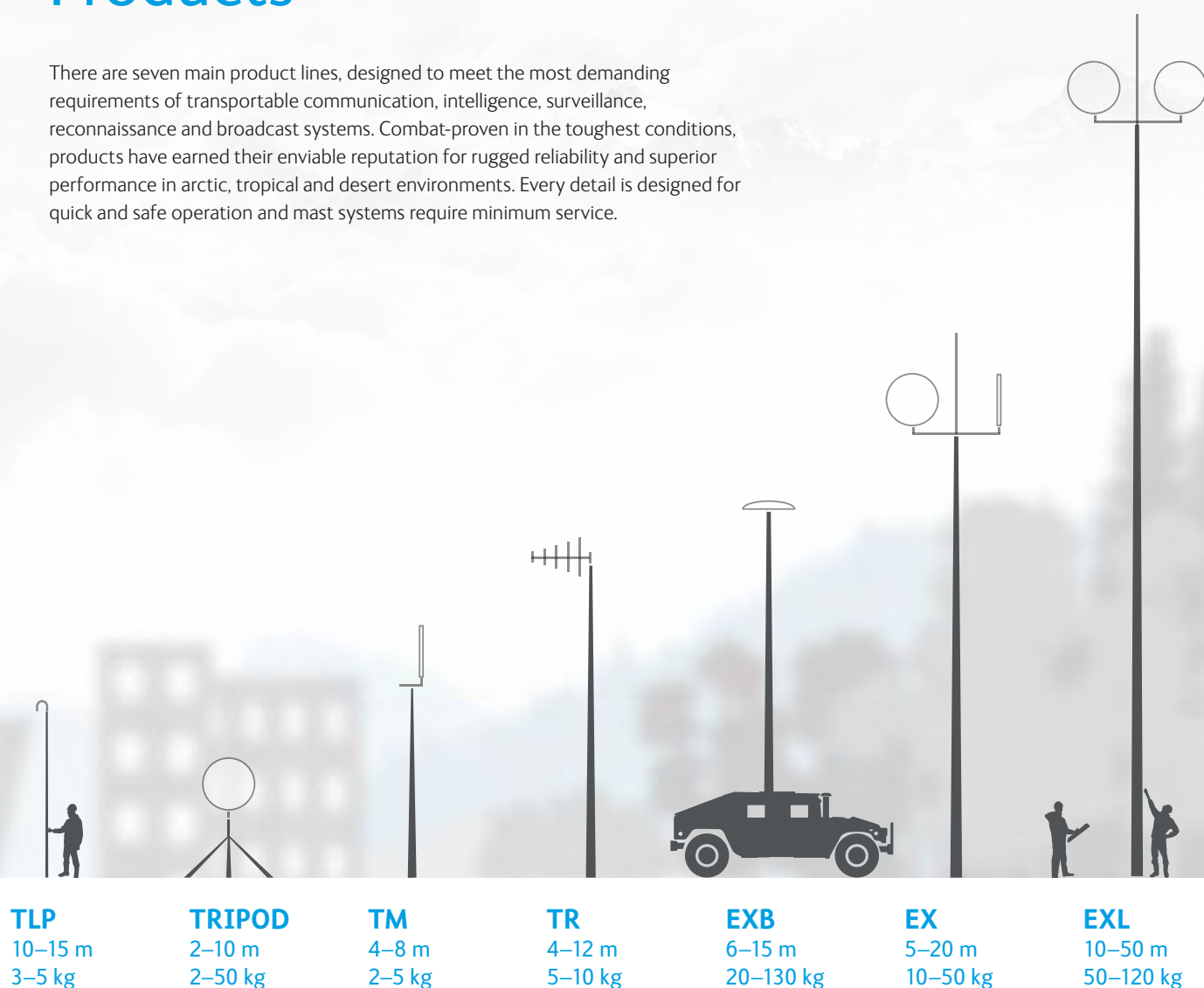


Cobham Mast Systems

Cobham Mast Systems' know-how and understanding of customers' specific needs and requirements are based on more than 30 years of experience. Its lightweight telescopic masts are used extensively around the world by defence forces, police, fire fighters and other emergency and surveillance services. In addition to the industry's widest product range, Cobham Mast Systems provides customized, fully integrated solutions precisely tailored to the application.

Products

There are seven main product lines, designed to meet the most demanding requirements of transportable communication, intelligence, surveillance, reconnaissance and broadcast systems. Combat-proven in the toughest conditions, products have earned their enviable reputation for rugged reliability and superior performance in arctic, tropical and desert environments. Every detail is designed for quick and safe operation and mast systems require minimum service.



Superior performance tailored to the application

Masts are designed based on our standard mast product line. Specific masts can be tailored to requirements or applications resulting in a mast with optimal performance.

Combat-proven reliability through straightforward design

Composite material withstands all weather conditions. Belt driven mechanical structure guarantees reliable performance in arctic, tropical and desert environments.

COBHAM MAST SYSTEMS TACTICAL COMPOSITE TELESCOPIC MASTS

Light in weight, heavy indurability

Composite material combines strength and easy mobility. Telescopic structure enables minimal transportation length with maximal operational length.

Rapid deployment even in the toughest conditions

Masts are designed to withstand the toughest conditions. Each detail is designed for reliable, quick and safe operation.

Accessories & Ancillaries



MAST ACCESSORIES



WINCHES



ANTENNA POINTING DEVICES



ANTENNA BRACKETS



VEHICLE MOUNTING KITS



SPECIAL GUYING KITS

Quality & Testing

Cobham Mast Systems quality system fulfills the requirements of ISO 9001, ISO 14001 and AQAP 2110 standards. Masts and accessories have been proven to meet the environmental requirements in accordance with the MIL-STD 810 and DEF STAN 00-35:9999.



MIL-STD 810 Tests:

500.4	Low pressure
501.4	High temperature - Storage +71°C - Operation +55°C
502.4	Low temperature - Storage -46°C - Operation -40°C
504	Contamination by fluids
505.4	Solar radiation
506.4	Rain
507	Humidity
508.5	Fungus
509.4	Salt fog
510.4	Sand and dust
512	Immersion
514.5	Vibration
516.5	Functional shock
516.5	Transit drop
521.2	Icing/freezing rain

DEF STAN 00-35:9999 Test:

Test CL19 Blowing dust

Mast construction is also tested against lightning strikes.

Mast model naming:

EXL195/34-5.4

Mast type	Bottom section diameter (mm)	Extended height (m)	Retracted length (m)
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