

Mastsystem Int'l Oy's quality – and environmental management system fulfils 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.

MIL-STD 810 TESTS

LOW PRESSURE

HIGH TEMPERATURE

STORAGE +71°C | OPERATION +55°C

LOW TEMPERATURE

STORAGE -46°C | OPERATION -40°C

CONTAMINATION BY FLUIDS

SOLAR RADIATION

RAIN

HUMIDITY

FUNGUS

SALT FOG

SAND AND DUST

IMMERSION

VIBRATION

FUNCTIONAL SHOCK

TRANSIT DROP

ICING/FREEZING RAIN

Mast construction is also tested against lightning strikes.

MAST MODEL NAMING

EXL195/34-5.4

EXL	195/	34-	5.4
MAST TYPE	BOTTOM SECTION DIAMETER(MM)	EXTENDED HEIGHT(M)	RETRACTED HEIGHT(M)

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GENERAL INFO

LIGHTWEIGHT, TELESCOPIC MASTS FOR
 HIGHLY MOBILE OPERATIONS.

MAST SYSTEM

ABOUT US

Mastsystem Int'l Oy's know-how and understanding of customers' specific needs and requirements are based on more than 30 years of experience. 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, Mastsystem provides customized, fully integrated solutions precisely tailored to the application.

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.

LIGHT IN WEIGHT, HEAVY IN DURABILITY

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.



PRODUCTS

There are eight 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.

PRODUCT LINE	TLP	TRIPOD	TM	TR	EXB	SKYHIGH	EX	EKL
DEPLOYMENT HEIGHT	10-15 M	2-10 M	4-8 M	4-12 M	6-15 M	2.5-20 M	5-20 M	10-50 M
VERTICAL TOP LOAD	3-5 KG	2-50 KG	2-5 KG	5-10 KG	20-130 KG	50-600 KG	10-50 KG	50-120 KG