

EX-MASTS

TACTICAL WINCH AND BELT-OPERATED TELESCOPIC MASTS – UP TO 65.6 FEET



MAST SYSTEM

EX-MASTS

Lightweight telescopic EX-masts are mechanical winch and belt-operated masts made of carbon and glass fibre composite material.

EX-masts are telescopic masts for heights up to 65.6 ft. and 110 lb top loads, depending on mast performance requirements. EX-masts can be deployed by one to three persons and are elevated with a hand cranked winch or by an optional electric Winch Power Unit (WPU).

The entire mast is rotatable by 360 degrees. EX-masts can be equipped with various antenna adapters and antenna positioning accessories. EX-masts can be supplemented with a wide selection of mounting kits for vehicles and shelters. Sand plate kits and hard ground kits are also available. Standard designs can be customised according to customer's specifications and requirements and painted in customer specific colours.

ACCESSORIES AND ANCILLARIES

- antenna positioners (rotators, tilters & rotator-tilters)
- antenna adapters
- accessory bags
- winch, winch power unit (WPU)
- vehicle mounting kits
- sledgehammer, guy stakes
- ground spike, spike, eye bar, base plate
- guy reels and measuring rope

MAST TYPE	EX105-MASTS			EX128-MASTS			EX141-MASTS		
EXTENDED HEIGHT (M/FT)	8/26.2	10/32.8	12/39.4	10/32.8	15/49.2	18/59.1	15/49.2	18/59.1	20/65.6
TRANSPORTATION LENGTH (M/FT)	2.3/7.5	2.4/7.9	3.1/10.2	2.4/7.9	3.3/10.8	4.3/14.1	3.4/11.2	3.9/12.8	4.2/13.8
VERTICAL TOP LOAD (KG/LB)	30/44	20/44	20/44	50/110	40/88	40/88	50/110	40/88	30/66
WIND AREA CxA (M ² /FT ²)	0.5/5	0.2/2	0.2/2	1/11	0.7/8	0.6/6	0.8/9	0.7/8	0.8/9
OPERATIONAL WIND SPEED (M/S / MPH)	25/56	25/45	20/45	25/56	25/56	25/56	25/56	25/56	25/56
MAST WEIGHT (KG/LB)	20/44	21/46	25/55	27/60	35/77	43/95	43/95	48/106	50/110
ACCESSORIES WEIGHT (KG/LB)	29/64	30/66	30/66	38/84	39/86	40/88	39/86	40/88	41/90

Masts listed above are examples. Other lengths with different top load specifications are available at request.

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.



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