

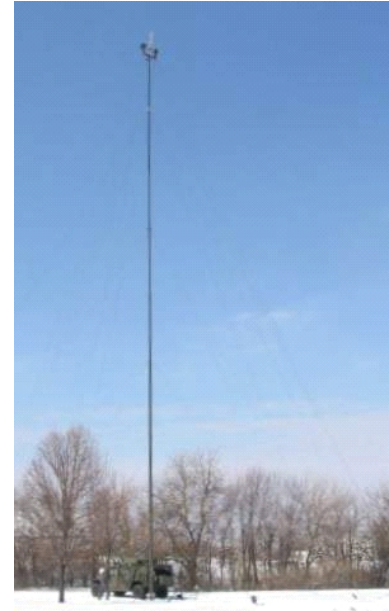
EXL195 Series Heavyweight Telescopic Composite Crank-Up Support Mast

Type EXL195

Racal Antennas series of composite telescopic support masts are manufactured by their subsidiary company Mastsystem Int'l Oy.

The EXL195 mast is designed for headloads up to 75 kg with heights available up to 50 meters. Mast sections are made from pultruded composite tubes with aluminium and stainless steel fittings. Masts are elevated using either a manual winch or an optional electrically operated winch. EXL195 masts have latches on each section to remove the load from the lifting belt during erection which enables the mast to be guyed section by section during the elevation. Mounting kits are available for ground, vehicles and shelters, as well as a variety of other ancillary equipment.

Mastsystem Int'l Oy manufactures six main mast product series: TM, TR, TX, EX, EXL and EXB, with masts heights available from three to fifty metres. All masts are designed to meet the demanding requirements of mobile communications systems. Typical applications include defence, emergency services, survey, broadcast and temporary illumination. Every mast is designed and manufactured to operate in environmental extremes such as the arctic, desert and the tropics.



EXL195 Mast - US Marines

STANDARD MAST TYPES	EXL195 24-3.9	EXL195 30-5	EXL195 33-5.4	EXL195 40-6.3	EXL195 50-7.6
P/N, Complete system (Ground Mounted)	305034	304570	305106	305358	305158
P/N, Mast	305035	304571	304684	305359	305159
System height with extension tube [m]	24.5	31.0	33.5	40.5	51.0
Mast extended height [m]	24.0	30.0	32.7	40.0	50.0
Retracted length [m]	3.9	5.0	5.4	6.3	7.6
Max. vertical top load [kg]	50	75	75	50	50
Max. wind area CxA [m ²]	1.0	2.5	1.2	1.2	1.0
Max. wind speed [m/2]	35	35	35	35	30
Guy radius [m]	16	25	20	20	45
Qty of guys x levels	4x4	4x5	4x5	4x5	4x7
Qty of sections	10	8	8	8	8
Mast weight [kg]	108	125	132	150	160
Accessories weight [kg]	64	85	105	110	120

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