

TR Series Lightweight Telescopic Composite Push-Up Support Mast

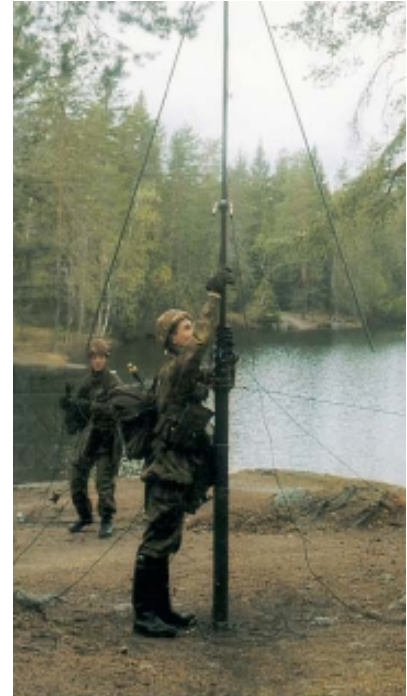
Type TR

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

The TR series mast is designed for lightweight headloads up to 5kg with heights available up to 12meters. Mast sections are made from pultruded composite tubes with aluminium and stainless steel fittings. Masts are erected vertically by pushing up each section and then locking in position with a clamp under each section's stop ring.

The TX series mast is designed for heavier headloads up to 25kg with heights available up to 7 meters. The TX mast is pulled out horizontally to its full length and then lifted to vertical position. 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.



TR Mast - Finish Army

STANDARD MAST TYPES	TR72 6.6-1.6	TR72 9.5-1.7	TR86 8-1.35	TR86 9-1.7	TR86 12-1.7
P/N, Complete system (Ground Mounting)	301266	301264	301262	301261	300967
P/N, Mast	301220	301218	301216	301215	300995
Mast extended height [m]	6.6	9.5	8.0	9.0	11.9
Retracted length [m]	1.6	1.8	1.4	1.7	1.8
Max. vertical top load [kg]	7	5	5	5	5
Max. wind area CxA [m2]	0.3	0.2	0.3	0.2	0.2
Max. wind speed [m/s]	27	25	25	25	25
Guy radius [m]	3	5	4	5	5
Qty, guys x levels	3x2	3x3	3x3	3x3	3x3
Qty, sections	5	7	9	7	9
Mast weight [kg]	6	9	11	12	13
Accessories weight [kg]	10	11	11	11	11

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 Racal reserve the right to vary in detail from the description and specification in this publication.