

System 50: 3.5m IAM

ANT-RTL-203500-1-1

Mast Description	
Frequency Range	30-300MHz
Power Rating	25W using standard duty cycles and voice over radio transmit protocols
Impedance	50 ohms nominal
VSWR	30-50 MHz < 4:1 50-300 MHz < 3:1
Antenna Format	Vertically Polarized Dipole
Radiation Pattern	Omnidirectional
Deployed Height	3.5m (11.5')
Deployed Tube ID	51mm (2")
Packed System Volume	170mm x 250mm x 180mm (6.6" x 9.8" x 7")
System Weight	2.5kg (5.5lb)
Nominal Gain	2.2 dBi
RF Connection Cable	Permanently fixed 2.2m length (7.2') extending from base of mast (via strain relief clamp)



Construction & Finish
 Mast Body: PP-glass fiber composite with integrated dipole antenna
 External Finish: Nylon woven fabric cover (Cordura 500 denier)

Notes: ¹Stated power rating is based on continuous transmit. Higher powers may be used depending on duty cycle and transmission duration protocols. Please contact your Rolatube representative to discuss your requirements before exceeding stated maximum power.



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System Components

System	Part Number
System IAM 3.5m SQUAD (30-300 MHz) - Multicam	ANT-RTL-203500-1-1

Component	Part Number	Qty
3.5m 51mm (11.5' 2") 'SQUAD' Integrated Antenna Mast (30-300MHz)	902-203500-1-0	1
Strain Relief Cable	CAB.ANT.0034	1
Top Cap for Single Tube Mast System (with Wing Screw) - System 50	ACC-RTL-001007	1
Base Cap for Single Tube Mast System - System 50	ACC-RTL-001004	1
Set of 3 5.5m guy ropes (paracord with plastic clip, orange tag)	ACC-RTL-004006	1
Set of 3 x 5.5m (18') Guy ropes (orange tags)	ACC-RTL-004006	1
Red Rock Peg	ACC-RTL-002008	6
TNC(f) to N-Type(m)	404-000044	1
TNC(f) to BNC(m)	404-000043	1
Mast Bag	ACC-RTL-003062	1

Optional Extras

Component

Part Number

Battery Eliminator to support the AN/PRC-167, AN/PRC-158, AN/PRC-117G, AN/PRC-160

BEHR-001 v2

