

System 75: 7m IAM-D

ANT-RTL-307005-1-1

Mast Description	
Frequency Range	VHF 30-88MHz UHF 225-512MHz
Power Rating	VHF—30W c.w. ¹ UHF—50W c.w. ¹
Impedance	50 ohms nominal
VSWR	VHF < 2.8:1 UHF < 2.0:1
Antenna Format	Vertically Polarized Dipole
Radiation Pattern	Omnidirectional
Deployed Height	7m (22.0')
Deployed Tube ID	76mm (3")
Packed System Volume	250mm x 320mm x 260mm (9.8" x 12.5" x 10.2")
System Weight	7.7kg (17lb)
Nominal Gain	2.2 dBi
RF Connection Cable	VHF 3m (9.8') length TNC(m) UHF 3m (9.8') length TNC(m)



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 7m IAM-D (Dual Band: 30-88 & 225-512 MHz) - Multicam	ANT-RTL-307005-1-1

Component	Part Number	Qty
7m 76mm (22.9' 3") Dual Band 30-88MHz & 225-512MHz	902-307005-1-0	1
Top Collar with locating lugs	ACC-RTL-000098	1
Lower Cuff with orange rubber inserts	ACC-RTL-000119	1
76mm (3") Low profile base cap	ACC-RTL-001058	1
Set of 3 x 7.5m (24.6') Guy ropes	ACC-RTL-004108	1
Set of 3 x 5.5m (18') Guy ropes (orange tags)	ACC-RTL-004006	1
VHF Cable: 3m (9.8') Ferrite Cable BNC(m) to TNC(m)	CAB.ANT.0152	1
UHF Cable: 3m (9.8') Ferrite Cable TNC(m) to TNC(m)	CAB.ANT.0153	1
TNC(f) to N-Type(m)	404-000044	2
TNC(f) to BNC(m)	404-000043	2
Steel Ground Stake 30cm black	ACC-RTL-002004	6
Soft Ground Peg	207-002005	6
Red Rock Peg	ACC-RTL-002008	3
Mast Bag	ACC-RTL-003061	1

Optional Extras

Component	Part Number
RAVEN - Rapid Deployment Folded Di-pole HF Antenna	ANT-PTS-000150-2-1

