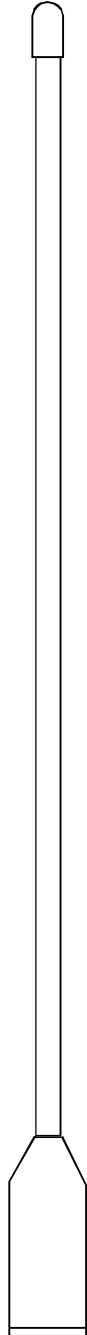




M O O N R A K E R

Type MBH 3090

VHF military broadband tactical system for hand held and back pack transceivers where short range reliable communications are required in those close tactical situations where long whips and even battle whips hinder operations.



A high endurance broadband helical antenna designed to provide efficient and reliable VHF omni-directional communications for military services in the 30 to 90 MHz band.

Rugged, lightweight and unobtrusive, the type MBH3090 helical antenna is designed for long life. Overall height is just 400mm (15.7in)

The helix is constructed from heavy gauge copper wire which is protected by black thermoplastic pressure tubing. The covering, which presents a hard but smooth outer finish, completely seals the antenna and protects the helix from damage enabling the antenna to withstand the rugged requirements of military use. It is stiff enough to stand upright yet flexible enough to bend into a U shape. Standard colour is black.

Specifications

Frequency Range	30-90 MHz
Overall Length	400mm (15.7in), including base connector
Radiator Length	335mm (13.2in)
Radiator Diameter	6mm (¼in)
Base Diameter	20mm (¾in)
Pattern	Omnidirectional
Power Capability	10w PEP
Polarisation	Vertical
VSWR	Better than 2.8:1 over frequency range (Typically <2.5:1)
Impedance	50Ω nominal
Connection	Special coaxial TNC male fitting built into base of antenna. (Other types available). Connects direct to a similar female connector on transceiver. Note that base of antenna is 25-40mm (1-1.6") diameter dependent on connector type. Please discuss specific requirements of your military transceiver's antenna connection at time of order. Note: BNC type not available
Weight	100g (3.5 oz)

Specifications subject to change 04/05

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