



# Hammerhead™ USV-T

## Naval Target

The Hammerhead Unmanned Surface Vehicle – Target (USV-T) is a 5m, advanced composite surface effect hull, speedboat powered by a 135 hp gas 3.0L Merc engine. The Hammerhead USV-T operates at speeds of 35 knots in Sea State (SS) 3 and speeds of >35 knots in SS2 and below. This is a significant performance increase over any other target system in this category.

The Hammerhead USV-T was specifically designed to simulate a Fast Inshore Attack Craft (FIAC) in a multivehicle swarm of up to 40 vehicles. The Hammerhead USV-T also excels in replicating Fast Attack Craft (FAC) naval threats.

The Hammerhead USV-T replicates high-speed naval tactics and a variety of operational guidance plans including straight-on high-speed attacks, crossing patterns, zig zag patterns, and other evasive manoeuvres. The system can be equipped with visual, radar, and laser signature enhancements to present a convincing likeness of a variety of naval threats.

This Maritime Surface Target, provided by QTS, is typically used by customers to represent threats posed by Fast Attack Craft (FAC), Fast Inshore Attack Craft (FIAC) and Close Quarter threats to commercial shipping and Naval vessels and has been used to test the effectiveness and operational readiness of weapon systems including:

- Surface-to-Surface Missiles: Harpoon, Exocet, RBS 15, Mistral /SM/Sea Sparrow type systems (various Shore/ Submarine Launched Missiles)
- Surface-to-Air Missiles (in Surface-to-Surface mode): NATO Sea Sparrow, Evolved Sea Sparrow, Standard SM 1, Standard SM 2 Block III A,
- Air-to-Surface Missiles: RBS 15, AGM 65 Maverick, CRV 7, Harpoon, Kormoran, LIDAM
- Naval Guns/Cannon & Close In Weapon Systems: Phalanx, 25-30 Bushmaster, 40mm Bofors, 57mm Bofors Mk III, 76mm Oto Melara SRGM, 100mm Creusot Loire, 4.5" Royal Ordnance, and 127mm Oto Melara/FMV Guns
- The Barracuda replicates high-speed naval tactics and a variety of operational guidance plans including straighton high-speed attack, crossing patterns, zigzag, and other evasive manoeuvres. It can be equipped with visual, radar and laser signature enhancements to present a convincing likeness to a variety of naval threats to exercise naval guns, radar and visual IR sensors for naval combat systems.

## Hammerhead USV-T Specifications

### Physical

Hull length	5.2m (17ft)
Boat beam	1.4m (4.7 feet)
Target weight (dry)	900 kg (1984 lbs)
Engine	MerCruiser 3.0L
Engine performance	135 horsepower
Fuel capacity	161 litres (43 US gallons)
Outdrive	MerCruiser Alpha1

### Performance

Temperature	Operating: -10° to +40°C (14° to +104°F) Storage: -40°C to +60°C (-40) to +140°F)
Maximum speed	35 knots in Sea State 3
Speed/endurance	12 hours @ 2400 RPM 10 knots 8 hours @ 3050 RPM 20 knots 5 hours @ 4100 RPM 30 knots
TM range	5 nm (subject to UTCS antenn height)
Control system	UTCS (STANAG 4856 compliant)

### Optional payloads

Passive radar augmentation (20 – 500m<sup>2</sup>, I-Band)  
Video TM  
Visual augmentation: smokes, flag, flares, strobes  
Doppler Radar MDI  
Active Radar Augmentation (RF-SAS System)

### Key features

- Proven speed of 35 knots in Sea State 3
- Line-of-Sight or Over-the-Horizon control
- High speed manoeuvring sea surface target
- Designed to replicate a FIAC threat in swarms of up to 40 vehicles
- Cost effective 'Kill' target

## Collaborating with Houbara

Houbara is dedicated to developing national defence capabilities and enhancing critical infrastructure protection in the MENA region, by delivering innovative products and services.

Houbara leverages QinetiQ's scientific and technological expertise, to supply a range of target systems and services, for weapon test, evaluation and training purposes. **Houbara Defence & Security LLC** is a joint venture between the UAE's **Middle East General Enterprises** (MGE) and **QinetiQ plc**.

### For further information please contact:

P.O Box 128220  
+971 24450141  
Info@Houbara.me  
Level 5, Office 503  
Al Wahda Commercial Tower  
Abu Dhabi, UAE  
www.Houbara.me