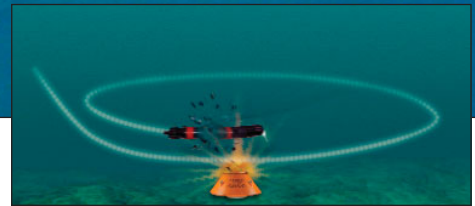
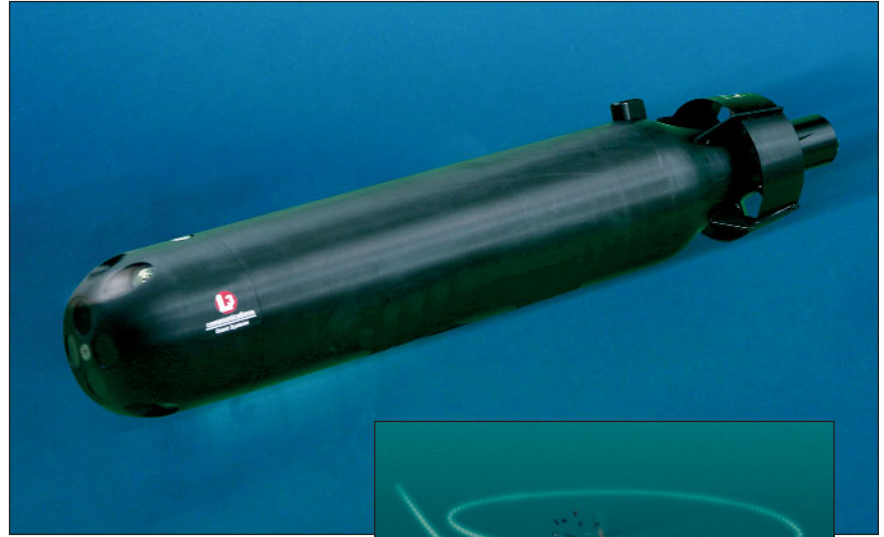




# Mark 8x

## Expendable Mine Destructor



### Features

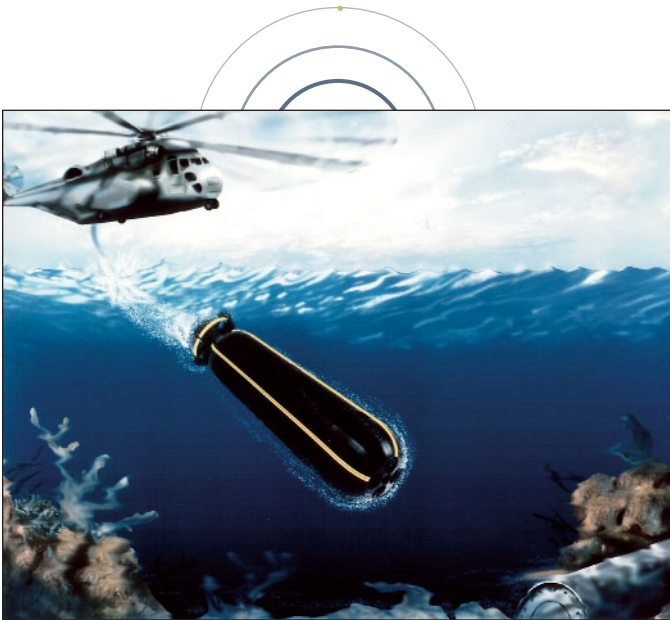
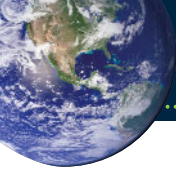
- Remote controlled via RF link
- Extremely accurate navigation
- Very easy to use — low operator interaction
- Relatively immune to countermeasures
- Effective in all MIW environments
- Robust mine kill, very high PK
- Real-time video and automatic video capture allow positive target verification and instant slow motion replay
- Captured target video sequence preserved for post-mission analysis
- Low-cost training and maintenance

The Mark 8x Expendable Mine Destructor (Mk 8x EMD) vehicle is a small, self-propelled weapon for the destruction of bottom and moored mines. The Mk 8x features fully automatic operation from launch to target impact or neutralization. A bi-directional fiber-optic link provides a two-camera, real-time video for the operator, who can manually override any Mk 8x control.

Rugged, streamlined design allows deployment from surface ships, helicopters, fixed wing aircraft and Rigid Hull Inflatable Boats (RHIB), with speeds of up to 12 knots to the target. A choice of warheads ranges from certified bulk and shaped charges to advanced designs. A special reusable training/surveillance version gives even longer ranges and rechargeable batteries. This added endurance allows efficient identification missions over vast volumes of water.

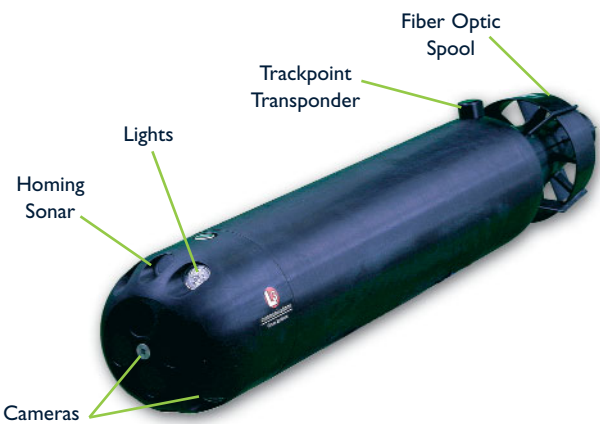
The Mark 8x EMD system works in real operational environments, including turbid currents and poor visibility. Total ownership cost is low due to minimal training requirements. The Mk 8x is compatible with all available mine countermeasures platforms.





### Specifications

Dimensions (vehicle)	Length: 125.82 cm (49.535 in) Diameter: 20 cm (8 in)
Weight	70 lb (31.75 kg) without warhead
Warhead	Bulk charge Shaped charge Advanced mortar
Operator console	Ruggedized ship, helicopter, submarine versions available
Speed	0 to 12 knots
Operational depths	2 to 200 m
Survival depth	300 m
Endurance	30 minutes at 8 knots 9 hours at 2 knots
Sea current capability	Up to 5 knots
Acoustic homing range (for final kill)	30 m (100 ft) (typical) 50 m (165 ft) max.
Data link	Wide bandwidth expendable fiber optic
Video (optional)	Two (2) high-resolution video channels with four (4) selectable lights
Probability of kill	Hard kill PK = 0.9 Soft kill PN = 0.95



### Special Features

- Fully automatic operation typically hands off from launch to mine destruction
- Multiple warhead types available
- Rugged and reliable
- Fast 12 knots sprint

### Variant Applications

Other applications of the Mk 8x EMD include:

- Diver interdiction
- Harbor and ship covert survey
- Special operations

