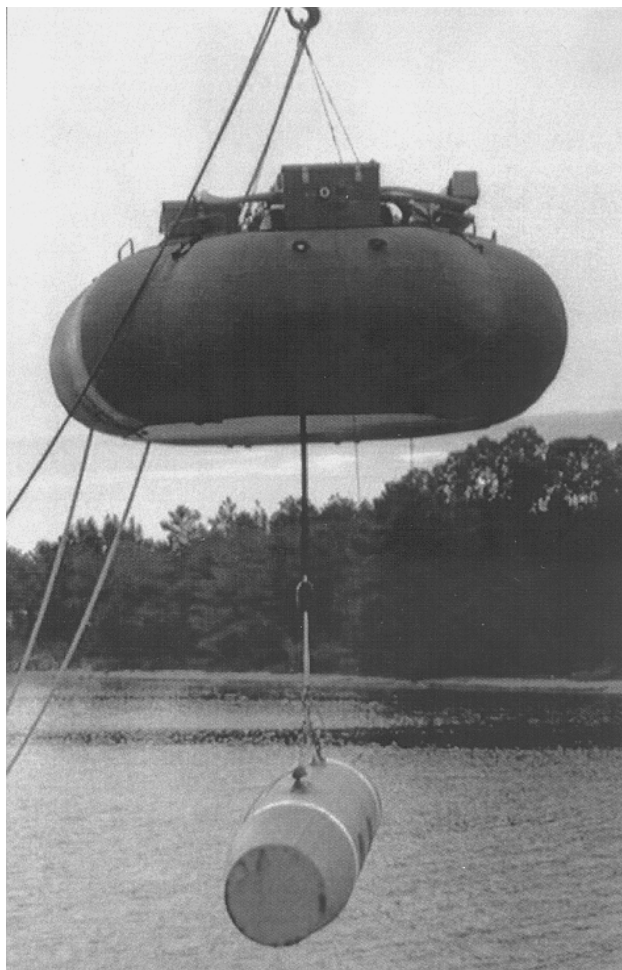


Manufactured by Analysis and Technology, the ROSS Remote Operated Salvage System is a portable remotely controlled lifting device, capable of lifting 1135 kg (2500 lbs) from depths of 92 meters (300 ft.).

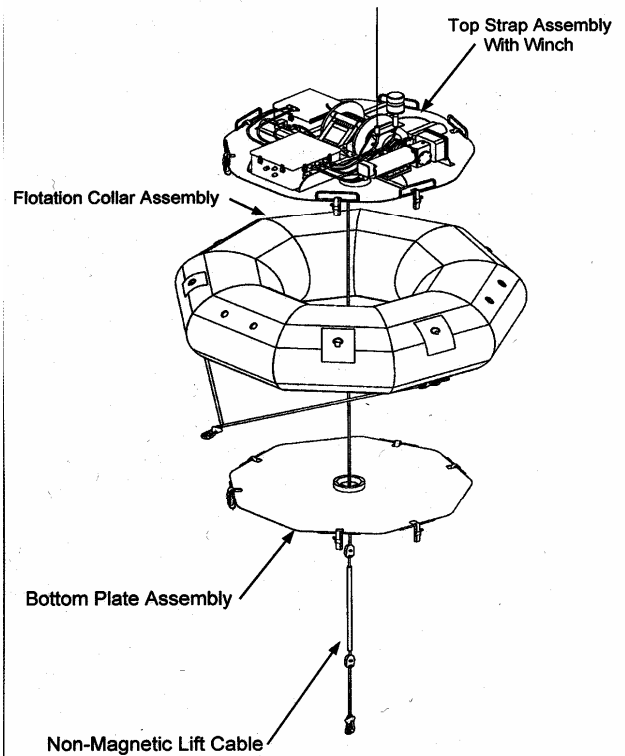
Designed for the U.S. Navy EOD Teams, the ROSS has a low magnetic signature for use in MCM clearance requirements. Simply tow the ROSS (at speeds up to 12 knots) over the operational site. Then remotely lower the non-magnetic lift cable to the bottom where clearance divers attach it to the hazardous object. Once the divers surface, the object is remotely raised off the bottom and safely towed away for disposal.

The ROSS is also ideal for controlled lowering and raising of tools, valves and pipes to support small diving operations.

If your mission requires heavy lifting of hazardous objects for safe disposal, then ROSS can handle the job.



ROSS System Diagram



Operational and functional characteristics

Weight:	386 Kg (850 lbs)
Max. operating depth:	92 m (300 ft)
Max. lifting cap.:	1135 kg (2500 lbs)
Max tow speed (unladen):	12 knots
Max tow speed (laden):	3 knots
Max sea state:	Sea State 2
Batteries:	2 Gel-cell, 12V DC, 95 Amp hours each

System Specifications

Lift Line Assembly:

Length:	137 m (450 ft)
Diameter:	9.5 mm (.375 in)
Breaking Strength:	6356 kg (14,000 lbs)
With Bowline:	2043 kg (4500 lbs)

Winch Assembly:

Lifting Speed:	9.1 m/min (30 ft/min.)
Max. lifting cap.	1135 kg (2500 lbs)
Motor:	3.0 hp, 24 vdc
Drum:	20.3 cm dia x 30.5 cm long (8 in dia. x 12 in long)

Transmitter Assembly:

Max. Range:	305 m (1000 ft)
Battery (1):	9 volts, dc
Frequency:	49 MHz
Power:	< 100 mW

Flotation Assembly:

Buoyancy:	2542 kg (5600 lbs)
Bladder air pressure:	0.17 kg/cm ² (2.5 psi)



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