

Torpedo Seal Mk 3



The Torpedo Seal is a free flooding Tactical Diving Vehicle (TDV) capable of operating in both semi-submerged and fully submerged modes for covert insertion and extraction of two tactical divers. Its advanced onboard systems provide a precision navigation capability that optimises mission efficiency and effectiveness.

Applying lessons learned from previous Torpedo Seal variants, its design philosophy is centred upon ease of use and rapid deployment; whilst also focusing upon operator safety and environmental protection. The craft can be launched and recovered by trailer or small crane/davit.

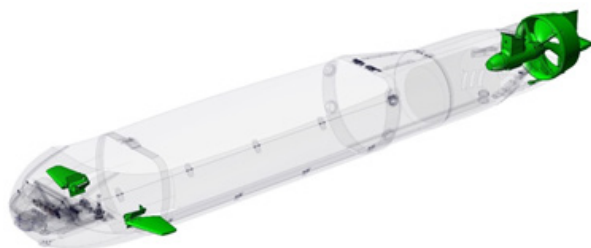


STOWAGE AND OPERATION

Divers lie inside the hull partially shielded to reduce drag, limit the cooling effect of flowing water and provide obstacle collision protection. Torpedo Seal Mk 3 may be folded to reduce its stowage 'footprint' and to pass through a 533cm torpedo tube or fit in a submarine stowage locker.

SUBNAV

SubNav incorporates the advanced SeaCross navigation system that processes data from GPS, DVL, speed log, depth meter and echo sounder and where fitted, multi-beam sonar.



SPECIFICATION

PHYSICAL

Length stored	2.5m
Beam stored	<0.533m
Height stored	<0.533m
Length deployed	4.2m
Beam deployed	0.7m (1m including hydroplanes)
Height deployed	0.7m
Weight	120kg
Payload (excluding divers)	50lbs neutral buoyancy capacity

OPERATIONAL

Max depth	24m
Typical transit depth	4m
Persons	2
Towed divers	Up to 2
Surface max speed	>4 knots
Surface cruise speed	3 knots
Subsurface range	10nm
Subsurface max speed	>4 knots
Subsurface cruise speed	3 knots
Subsurface range	10nm
Thruster	1 x 3 kW
Battery pack	>4.5 kWh