

50 Onslow [Oberon Class] - 1974

Australia

Type: SS - Attack/Fleet Submarine

Max Depth: -200 m

Max Speed: 17 kt

Commissioned: 1974

Length: 90.0 m

Beam: 8.1 m

Draft: 5.5 m

Crew: 69

Displacement: 2030 t

Displacement Full: 2410 t

Propulsion: 2x Electric Motors



Sensors / EW:

- UA-4 - ESM, RWR, Radar Warning Receiver, Max range: 222.2 km
- CSU 3-41 - (Oberon) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive, Track, Max range: 9.3 km
- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km
- IPS CSU 3 - (Assoc w CSU 3) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km
- Generic Submarine Periscope, Optical - (1970s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km
- Generic Submarine Periscope, LLTV - (1970s, Gen 1, 1x/2x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 27.8 km

Weapons / Loadouts:

- Generic Acoustic Decoy - (1970s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.
- Mk37 Mod 1 - (1961, Wire, Major version) Torpedo. Subsurface Max: 7.4 km.
- Mk8 Straight Runner - Torpedo. Surface Max: 5.6 km.

OVERVIEW: The OBERON is a diesel-powered patrol submarine (SSK).

DETAILS: The OBERON class were heavily based on the earlier PORPOISE-class SSK, with the exception of their using a different steel and glass fibre laminate in the hull to increase strength. They are exceptionally quiet underwater, in part due to careful attention to detail in the mounting of machinery, and advances made in propeller design to prevent cavitation. Their quietness, combined with a very effective long-range sonar suite, made them a very capable in their role patrolling chokepoints to detect transiting Soviet submarines.

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Specifications:

Displacement: 2,030 (surfaced); 2,410 tons submerged.

Speed: 12 knts (surfaced) 17 knts (submerged)

Engineering: 2 diesel engines; 2 -3-bladed propeller

Diving Depth: 800-900 feet

Range: 9,000 nm (surfaced)

Complement: 62

Hulls built: 6 (Australian).

Period of Service: 1967-2000

NOTES: Units in class: OXLEY (57); OTWAY (59); ONSLOW (60); ORION (61); OTAMA (62); OVENS (70).

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 21 ; Oberon-class submarine - Wikipedia, the free encyclopedia. (n.d.). Retrieved May 4, 2015, from http://en.wikipedia.org/wiki/Oberon-class_submarine ; ; <http://arl.g3w1.com/Subs/index.htm>