

## S 23 Resolution - 1987

### United Kingdom

Type: SSBN - Nuclear Powered Ballistic

Missile Submarine

Max Depth: -300 m

Max Speed: 25 kt

Commissioned: 1987

Decommissioned: 1996

Length: 129.5 m

Beam: 10.1 m

Draft: 9.2 m

Crew: 143

Displacement: 7600 t

Displacement Full: 8500 t

Propulsion: 1x Vickers/Rolls-Royce PWR.1

#### Nuclear Reactor

Sensors / EW:

- Type 2007AA - (1972) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 74.1 km

- Type 2001BC - (SSN Bow Sonar) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search, Max range: 33.3 km

- Type 2019 [DUUG 2] - (SSN Bow Sonar) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 66.7 km

- Type 2024 - (1976, Clip-On) TASS, Passive-Only Towed Array Sonar System, TASS, Passive-Only Towed Array Sonar System, Max range: 74.1 km

- UAP-4 - (Astute) ESM, ELINT w/ OTH Targeting, Max range: 926 km

- Type 1006(1) [KH 19/9A] - (Submarines) Radar, Radar, Surface Search & Navigation, Max range: 118.5 km

- Generic Submarine Periscope, Optical - (1980s, 1.5x/8x Zoom) Visual, Visual, Surveillance Periscope, Max range: 41.7 km

- Generic Submarine Periscope, LLTV - (1980s/1990s, Gen 2, 1.5x/4x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km



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#### Weapons / Loadouts:

- UGM-27C Polaris A3 (3x W58 Nuclear 200kT) - (1965-1996) Guided Weapon. Land Max: 4630 km.

- Mk24 Tigerfish Mod 2 - (1987, Dual) Torpedo. Surface Max: 7.4 km. Subsurface Max: 7.4 km.

- Type 2066 Bandfish - Decoy (Expendable). Subsurface Max: 1.9 km.

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**OVERVIEW:** The RESOLUTION is a nuclear-powered patrol Ballistic Missile Submarine (SSBN).

**DETAILS:** The RESOLUTION class are Ballistic Missile Submarine, and are armed with U.S. POLARIS missiles. The

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design was a modification of the Valiant-class fleet submarine, but greatly extended to incorporate the missile compartment between the fin and the nuclear reactor.

### Specifications:

Displacement: 7,600 (surfaced); 8,500 tons (submerged).

Speed: 25 knts (submerged)

Engineering: 1 pressurized water-cooled reactor; 1 shaft

Diving Depth:

Range:

Complement: 143

Hulls built: 4

Period of Service: 1967-1996

NOTES: Units in class: RESOLUTION (S 22); REPULSE (S 23); RENOWN (S 26); REVENGE (S 27). Each ship of the class uses two crews to maximize deployed time.

SOURCES: Moore, John Evelyn. Jane's Fighting Ships 1987-88. London: Jane's Pub, 1987, pg. 655 ; "Resolution-class Submarine." Wikipedia, the Free Encyclopedia. Accessed May 4, 2015.

[http://en.wikipedia.org/wiki/Resolution-class\\_submarine](http://en.wikipedia.org/wiki/Resolution-class_submarine).