

## S 101 Manthatisi [Type 209-1400, Heroine Class] - 2006

### South Africa

Type: SSK - Hunter-Killer Submarine

Max Depth: -240 m

Max Speed: 21 kt

Commissioned: 2006

Length: 61.2 m

Beam: 6.3 m

Draft: 5.5 m

Crew: 30

Displacement: 1454 t

Displacement Full: 1586 t

Propulsion: Electric Motors



### Sensors / EW:

- CSU 90 Hull - (DBQS-40) Hull Sonar, Active/Passive, Hull Sonar, Active/Passive Search & Track, Max range: 44.4 km
- FAS 3-1 - (CSU 83/90 Supplementary Flank Array) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 46.3 km
- CSU 90-2 Flank - (FAS 1, DBQS-40) Hull Sonar, Passive-Only, Hull Sonar, Passive-Only Ranging Flank Array Search & Track, Max range: 74.1 km
- S 63B - (FAS 1, DBQS-40) Radar, Radar, Surface Search & Navigation, Max range: 46.3 km
- Shrike UME-100 - (South Africa, Grintek, Tactical ESM with ELINT capability) ESM, ELINT, Max range: 926 km
- Porpoise - (Cutlass) ESM, ELINT, Max range: 926 km
- IPS CSU 90 - (Assoc w CSU 90) Acoustic Intercept (Active Sonar Warning), Acoustic Intercept, Max range: 127.8 km
- MAS 90 - (DSQS-15, Assoc w CSU 90) Hull Sonar, Active-Only, Hull Sonar, Active-Only Mine & Obstacle Avoidance, Max range: 1.1 km
- SERO 400 TV/EO Component - (1.5x/12x Zoom) Visual, Visual, Surveillance & Navigation TV Camera, Max range: 41.7 km
- SERO 400 LLTV Component - (2000s/2010s, 1.5x/12x Zoom) Visual, LLTV, Surveillance & Navigation Camera, Max range: 41.7 km
- SERO 400 IR Component - (1x/4x Zoom) Infrared, Infrared, Surveillance & Navigation Camera, Max range: 27.8 km
- OMS 100 IR Component [QLR] - (1x/2x Zoom) Infrared, Infrared, Day/Night Spherical Situational Awareness & Fire Control, Max range: 27.8 km

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### Weapons / Loadouts:

- SUT Mod 264 - (2006, ASW & ASuW) Torpedo. Surface Max: 9.3 km. Subsurface Max: 9.3 km.
- Generic Acoustic Decoy - (2000s, Noisemaker / Bubble Screen) Decoy (Expendable). Subsurface Max: 1.9 km.