

## AN/SSQ-53B DIFAR (1985, A-Size, 99 Chn, 27/121/304m, 1/4/8hrs)

### Sonobuoy

Type: Sonobuoy

Weight: 10 kg

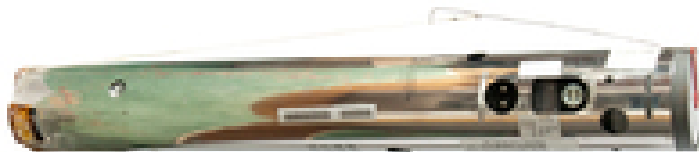
Length: 1.0 m

Span: 0.0 m

Length: 1.0 m

Diameter: 0.0

Generation: None



### Sensors / EW:

- AN/SSQ-53B DIFAR - Hull Sonar, Passive-Only, Sonobuoy, Passive-Only Directional Frequency Analysis and Recording (DIFAR), Max range: 9.3 km

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### Weapons / Loadouts:

- AN/SSQ-53B DIFAR - (1985, A-Size, 99 Chn, 27/121/304m, 1/4/8hrs) Sonobuoy.

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**OVERVIEW:** The AN/SSQ-53B DIFAR (Directional Frequency Analysis and Recording) is an "A-size" passive directional sonobuoy.

**DETAILS:** The AN/SSQ-53B DIFAR is a passive sonobuoy that provides a magnetic bearing to the signal of interest, allowing a fix on a contact with as few as two sonobuoys. It has a directional capability in the 10 Hz-2,400 Hz range, as well as an omnidirectional hydrophone for general listening purposes. It is capable of deploying at preset depths of either 100, 400 or 1,000 feet preset lifetimes of either 1, 3 or 8 hours.

**NOTES:** Entered service in 1984. Included an improved suspension to reduce self-noise. Can be launched at up to 370 knots and up to 40,000 feet altitude.

**SOURCES:** Friedman, Norman, and Norman Friedman. The Naval Institute Guide to World Naval Weapon Systems, 1997-1998. Annapolis, Md: Naval Institute Press, 2006, pg. 656 ; Federation Of American Scientists -. "AN/SSQ-53 Directional Frequency Analysis and Recording Sonobuoy." Accessed November 21, 2014.

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<http://fas.org/man/dod-101/sys/ship/weaps/an-ssq-53.htm>.