

Electronic Boresight Assembly

Mk43 Mod 0 EBS

U.S. Marine Corps photo by Cpl. Brian Lewis

PATENT PENDING

APPROVED! NSN 1005-01-586-5729

One Man Operation

- Increased Safety
- Increased Performance
- Increased Efficiency



IN SERVICE



DESCRIPTION

The Mk 43 Mod 0 EBS (Electro-optical Boresight Assembly) is a precision boresight tool utilized for accurately aligning a weapon with its sighting system. The EBS employs a state of the art color video camera and permits a single user to accurately and remotely align the weapon to the sight from the safety of the gunner's position. The EBS provides a safe, easy to use, accurate, fast and reliable tool for boresighting that yields high first round hit probability. The easy to use EBS assembly minimizes the time required to perform boresighting and maximizes the convenience and frequency of the procedure. The EBS provides accuracy over a wide range of environmental conditions and permits weapon alignment at ranges of 10 to 2000+ meters.

FEATURES

- High Resolution CCD Camera Platform
- Electronically Generated Reticle
- 5.56mm to 120mm Bore Mandrel Assemblies
- Autofocus Capability
- Interfaces with Vehicle Displays
- Lightweight and Compact Design
- Ruggedized for Severe Field Environments

STATUS

- Mk 43 Mod 0 is in service with the United States Navy worldwide
- All items are NATO NSN codified
- Interim NSN# 1240-LL-87D-2202
- Patent pending



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CHARACTERISTICS

Field of View	Fixed at 1.0 Degree
Operation Range	10 to 2000+ meters
Video Format	NTSC or PAL
Minimum Illumination	1.0 lux (F1.6, 50 IRE)
Reticle Pattern	Customer Specific
Power Required	12 VDC < 1 amp
Operational Temp Range	-20C to +50C
Storage Temp Range	-20C to +60C
Environmental Qualification	MIL-STD-810F
Electrical Cables	EMI Shielded
Cable Length	Customer Specific
Construction	6061-T6 Alum Alloy and Stainless Steel-Sealed - Nitrogen Purged

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