

The
Marvin Group

BRU-15

ELECTRO-MECHANICAL EJECTOR RACK

Lightweight suspension and release system
for airborne stores up to 2,000 lbs



www.marvingroup.com

sales@marvineng.com

+1 310.674.5030

BRU-15

ELECTRO-MECHANICAL EJECTOR RACK

The BRU-15/A bomb rack, a modification of the BRU-14/A originally used by the U.S. Navy and later adapted by the U.S. Air Force, is employed on the wing stations of P-3B and P-3C aircraft. It works in conjunction with a modified wing store launcher assembly to launch the AGM-84 Harpoon missile and other authorized stores. Capable of suspending and releasing conventional stores up to 2,000 pounds (with 14-inch suspension, expandable to 30 inches using Aero 1A adapters), the BRU-15/A connects to the aircraft's special weapons release and control system, providing cable-actuated manual release, auxiliary unlock, and mechanical arming. A linear electro-mechanical actuator with a spring-loaded plunger initiates hook release, while two electrically actuated solenoids within the frame assembly handle mechanical arming. The BRU-15 can release stores in either an armed or safe condition, and a safety pin mechanism positively locks the release mechanism when installed.



BENEFITS

- **Enhanced Mission Flexibility:** Lightweight ejection system for array of stores carriage & release including munitions, missile systems, torpedoes and sonobuoys.
- **Unmatched Reliability:** High reliability and simple use of operation.
- **Operational Versatility:** Compatible with a variety of aircraft models, providing seamless integration and interoperability across different platforms.
- **Safety Assurance:** Primary release mechanism, IFOBRL and secondary release for improved safety features.
- **High Durability:** Durable & proven ejection system in-service worldwide.

PARAMETER

DETAILS

PARAMETER	DETAILS
LENGTH	23.50 inches
WIDTH	2.20 inches
HEIGHT	5.40 inches
WEIGHT	17 lbs
PLATFORM INTEGRATION	P-3 • MQ-1 • MQ-9

FEATURES

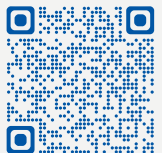
Release or Ejection Stores Up to 2,000 lbs

In-Flight Operable Bomb Lock

14" Suspension System

Cartridge-Actuated Auxiliary Unlock Device

Mechanical Arming of Stores in Two Solenoids



MARVIN ENGINEERING CO., INC.

261 West Beach Avenue, Inglewood, California 90302 USA

T: +1 310.671.5030 • F: +1 310.673.9472 • sales@marvineng.com

