



MILITARY &
SECURITY
EXPERTS

*Drop beam barrier with a
low-maintenance actuator!*

RSS-3000-MSB

Mobile Surface Barrier with Electric Actuator

Specification

The RSS-3000-MSB is an all-electric mobile surface vehicle barrier that is designed to stop or disable vehicles and provide significant protection during special events or during periods of increased threats.

It is designed to be quickly deployed and to be completely functional within 15 minutes. The barrier and its trailer is towed into position using a truck, rotated into place, and lowered using its



innovative jack system. The barrier provides a 12 foot access control point for event control or in areas requiring increased security access control. On unpaved or uneven road surfaces, the jack system serves as stabilizers to allow for a smooth transition from the roadway to the barrier surface.

Additional reinforcement can be provided by placing jersey barriers adjacent to the jack system.

All MSB Vehicle Barriers are fully operational and self-contained when shipped from the factory ready to use. The simple design of the RSS-3000-MSB requires almost no maintenance even when there are high traffic volumes.

The latest news in security products is that there are new K12 barrier options. You are no longer stuck with hydraulics when you want moveable barriers.

Since the critical component in our barrier, is an electric actuator, it eliminates the problem of the "weakest link" that plagues hydraulic barriers with their multi-component system of hoses and pumps. Our alternative is a breakthrough for facilities that rely on vehicle barriers as their first line of protection.

Another reason our barrier is desirable over the competition is that it does not produce the environmental contaminants that hydraulics are notorious for. Hydraulic fluid is a hazardous waste material and a ground water contaminate. Our systems are safe to install near dams or other water sources.

BARRIER SPECIFICATION DETAILS

- All steel construction, primed and painted frame, post, and beams.
- The main MSB is 7.5' wide, 20' long, and 27" tall. The MSB trailer is 54" wide, 23' long, and 34" tall.
- Beam Dimensions: 3/8" steel tubing, 3" wide by 6" tall.
- Beam Height: 27" to the top of beam from steel plate drive surface.
- Shipping Weight: MSB; 8,500 lbs. at 12' lane coverage; MSB trailer 1,500 lbs.; Total weight MSB & Trailer 10,000 lbs.
- Operating System: Electromechanical self lubricating actuator, with a Spring Assist Assembly.
- Power Requirements: Motors are available to operate on 120v single phase, 120v/240v single phase or 120v/208v three phase voltage; based on site requirements.
- Electromechanical Cycle Time: Standard deployment within 8 seconds.
- Operating Temperatures: Operational speeds are constant in temperatures ranging from -20 degrees to 200 degrees Fahrenheit without the use of heat on the operating systems.

MAINTENANCE & WARRANTY

- Quarterly Preventive Maintenance: Grease pivot bearings and actuator as well as inspect and tighten loose bolts.
- Each unit equipped with flashing safety LED lights visible in both directions when deployed.
- Safety pin system for locking beam in closed position.
- Stop/Go LED Traffic Light

BARRIER OPTIONS

- MSB Controls: Simple and easy to use push button controls are adaptable through any standard dry contact output.
- Battery Back Up System: Allows units to operate over 100 cycles in the event of commercial or emergency generator power failure.



Military orders on our GSA contract
#GS-07F5736R

For More Information,
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