

NMSB XV

M30 (K4) Mobile and Portable Barrier

First commissioned by the U.S. Army, Nasatka laid the groundwork for the future of mobile barriers over 10 years ago. Nasatka mobile barriers are the perfect rapid response solution to the ever changing global security environment. The mobile barriers can be set up quickly on existing concrete, asphalt roads and other level, hard surfaces. No surface excavation, anchoring or special footing is required. Simply tow into position and drop into action.

Nasatka Maximum Security Barriers NMSB XV (pronounced 15) mobile barriers are utilized around the world. Over 1,500 NMSB XV mobile barriers have been deployed worldwide, since 2003. From military base access control points to last minute crowd control, these workhorse barriers protect locations where permanent barriers are not a viable solution. Nasatka NMSB XV mobile barriers offer a number of major advantages when the response to a threat requires a "location flexible" and "rapidly deployable" access control point. Two to three personnel or helicopter airlift can transport these barriers to any desired location and manual operation does not require any power unit assistance.

The NMSB XV barriers use a dependable, efficient, 12 VDC electric motor hydraulic power unit (HPU) or integrated electric actuator (EPU). Power is also flexible and the battery back up (BBU) can also provide approximately 300 (HPU) and 1000 (EPU) extra cycles per charge, while optional solar panel or external generator power can be used in more remote locations.

The NMSB XV series barriers use biodegradable hydraulic oil which is engineered for extreme temperatures and is compliant with US Fish & Wildlife and EPA standards. Hot-dip galvanized steel components are used for a built-to-last barrier.

Nasatka mobile barriers have been designed from the ground up to be the dependable, flexible, formidable, rapidly deployable



weapon in your access security arsenal. Nasatka mobile barriers can be deployed and operational in as little as 12 minutes, protecting targeted facilities, access control points, or special events. Nasatka mobile barriers are U.S. DOT approved and can be towed to deployment locations with a heavy duty pick-up truck or a military vehicle (with optional military towing package).

The NMSB XV series barriers can be positioned nearly anywhere a threat is expected. No excavation or foundation is needed, because they're suitable for use directly on soil. The integral lifts, wheels, and tongue make them a truly mobile barrier designed for rapid deployment. Despite their mobility, the NMSB XV series barriers have the look and feel of Nasatka's K12 shallow foundation wedge barriers, providing the strongest visual deterrent possible.

The NMSB XV is crash test certified to K12/L1 standards (when used with four jersey barriers – 9,000 lbs. of ballast at each buttress) or M30/P3 (equivalent to K4) standards (stand-alone). The NMSB XV series barriers supply greater stopping power than competitive products.

Features

- Deployable in as Little as 12 Minutes
- Standard and Military Towing Package Available
- U.S. DOT Vehicle ID Number (VIN) Registration
- Designed to Operate Manually if Loss of External Power Occurs
- Network Capabilities for Remote Control
- Clear Opening of 12 Feet (3.6 m)

Benefits

- NMSB XV– K12/L1 (When Used with Jersey Barriers – 18,000 lbs. of Ballast)
- NMSB XV – ASTM F2656 07 M30 P3
- No Special Surface, Excavation, or Anchoring Required
- Towable to Deployment Location with Heavy Duty Pick-up Truck
- Transportable via Two/Three Personnel or Helicopter Airlift
- Integral Lifts, Wheels, and Tongue Make Them Truly Mobile
- Fabricated with Hot-dip Galvanized Steel

Specifications

CRASH RATING

- DOS K12 (15,000 lb/6810 kg at 50 mph/80 kph) used with 18,000 lb (8165 kg) of jersey wall/L1 penetration 50 ft/15 m or greater
- DOS K4 (15,000 lb/6,800 kg at 30 mph/50 kph L1 (20-50 ft/6 - 15 m))
- M30 (15,000 lb/6,800 kg at 30 mph/ 50 kph) P3 (23.1-98.4 ft/7-29.9 m)

IMPACT ENERGY

- K12 = 1,250 ft-kips/1,695 kJ
- K4 = 610 ft-kips/450 kJ

PLATE MATERIAL

- U.S. ASTM A-36; yield strength: 36 KSI

PLATE HEIGHT

- 31 inches (787 mm)

AXLE LOAD

- 32,000 lb/14515 kg (16 ton/14.5 MT)

POWER REQUIREMENTS

- Charger/BBU¹ - 110 or 220 VAC, 50/60 Hz
- Barrier - 12 VDC Battery (with the following charging options:
- AC Power/Charger, AC Power/UPS, Solar, External Generator)

CYCLE TIME

- Normal barrier deployment in 3-5 seconds

OPERATORS

- Electric operator with remote EPU (electric power unit)
- Hydraulic operator (electro-hydraulic power unit)

FINISHES

- Impact side: Reflective red STOP or white STOP decal
- Vehicle passage side: Anti-skid coating
- 100% hot dipped galvanized.
- Custom finishes available. (chevrons, "STOP" in other languages, etc.)

OPERATING MODES

- **Normal:** Barrier opens and closes at normal speeds. Barrier is controlled electrically or hydraulically and commands are received via operator input or automation sequence initiation.
- **Emergency:** Available on Electric
- **Manual:** Bar lever operation

SYSTEM CONTROLLER (Optional)

- Uses a secure, 128-bit AES encrypted communications capable, standard-based end-to-end architecture, utilizing a real time active vehicle barrier micro-processor to control all input and output, data logging, device enrollment and validation.

CONTROL PANEL

- Two-button (push-and-hold to operate) 25 ft (7.62 m) tethered control (attaches at either end of barrier)
- Standard push button controls with multiple modes of operation.
- Standard menu uses a 5.7-inch (144.78 mm) color touchscreen.
- Custom user interface running on 8, 10, 12, or 17-inch (203.2, 254.0, 304.8, or 431.8 mm) touchscreens (with optional background site map).

WARRANTY

- One Year
- Optional second and third year warranties available

BARRIER DETAILS (P/N)	OPENING (Ft.)	WEIGHT (Lbs.)	FOUNDATION (L-W-D)	NOTES
1151-1202-0000	12	10,500	232 – 101 – 94	Portable w/ HPU
1151-1203-0000	12	10,500	232 – 101 – 94	Portable w/ EPU
1151-1201-0000	12	10,500	232 – 101 – 94	Portable w/ Manual
1150-1202-0000	12	10,500	232 – 101 – 94	Mobile w/ HPU
1150-1203-0000	12	10,500	232 – 101 – 94	Mobile w/ EPU
1150-1201-0000	12	10,500	232 – 101 – 94	Mobile w/ Manual