

NMSB XVI M40 (K8) 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 XVI (pronounced 16) mobile barriers are utilized around the world. Over 1,500 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 XVI 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 XVI 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 250 (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 XVI 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 XVI 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 XVI series barriers have the look and feel of Nasatka's K12 shallow foundation wedge barriers, providing the strongest visual deterrent possible.

The NMSB XVI are crash test certified to M40/P3 (equivalent to K8) standards.

Features

- Deployable in as Little as 12 Minutes
- Standard and Military Towing Package Available
- U.S. DOT Vehicle ID Number (VIN) Registration
- Manual or Electric Jacks
- Designed to Operate Manually if Loss of External Power Occurs
- Network Capabilities for Remote Control
- Clear Opening of 16 Feet (4.8 m)

Benefits

- NMSB XVI-16ft Clear Opening – ASTM F2656 07 M40 P3 (equivalent to K8)
- No Special Surface, Excavation, or Anchoring Required
- No Roadway Surface Damage
- 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

<p>CRASH RATING</p> <ul style="list-style-type: none"> • ASTM F2656-07 M40/P3 (15,000 lb/6,800 kg at 40 mph/65 kph (equivalent to K8)) <p>IMPACT ENERGY</p> <ul style="list-style-type: none"> • 802 ft-kips/1110KJ <p>PLATE MATERIAL</p> <ul style="list-style-type: none"> • U.S. ASTM A-36; yield strength: 36 KSI <p>PLATE HEIGHT</p> <ul style="list-style-type: none"> • 33 inches (838 mm) <p>AXLE LOAD</p> <ul style="list-style-type: none"> • 32,000 lb/14515 kg (16 ton/14.5 MT) <p>POWER REQUIREMENTS</p> <ul style="list-style-type: none"> • 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) <p>CYCLE TIME</p> <ul style="list-style-type: none"> • Normal barrier deployment in 3-5 seconds (3 s Secure, 4-5 s Unsecure) 	<p>OPERATORS</p> <ul style="list-style-type: none"> • Electric operator with remote EPU (electric power unit) • Hydraulic operator with remote HPU (electro-hydraulic power unit) <p>FINISHES</p> <ul style="list-style-type: none"> • 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.) <p>OPERATING MODES</p> <ul style="list-style-type: none"> • Normal: Barrier opens and closes at normal speeds. Operator is controlled electrically or hydraulically and commands are received via operator input or automation sequence initiation. • Emergency: Not applicable. • Manual: Bar lever operation. 	<p>SYSTEM CONTROLLER (Optional)</p> <ul style="list-style-type: none"> • 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. <p>CONTROL PANEL</p> <ul style="list-style-type: none"> • 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). <p>WARRANTY</p> <ul style="list-style-type: none"> • One Year • Optional second and third year warranties available
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BARRIER DETAILS (P/N)	OPENING (Ft.)	WEIGHT (Lbs.)	FOUNDATION (L-W-D)	NOTES
1153-1602-0000	16	12,500	232 – 101 – 94	HPU
1153-1603-0000	16	12,500	280 – 101 – 94	EPU
1153-1601-0000	16	12,500	280 – 101 – 94	Manual

1 Battery Back Up