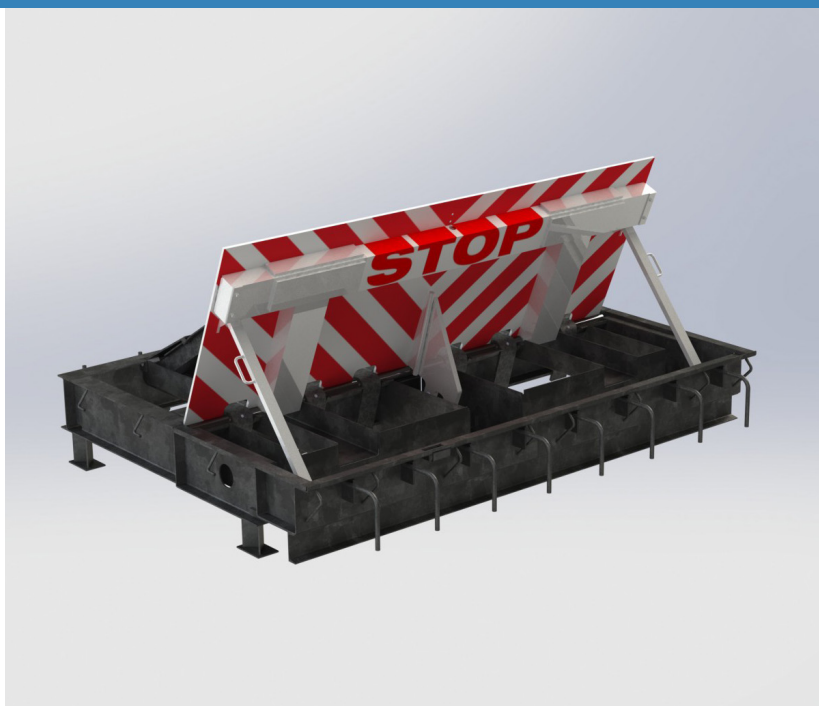
NASATKA SECURITY
www.nasatka.com

Global Lines of Defense
301-868-0300

NMSB IIID
M50 (K12) Steel Plate Barrier

The Nasatka Maximum Security Barrier NMSB IIID (pronounced 3D), steel plate wedge barriers are the most proven, tested and reliable vehicle access control barrier systems in the United States and globally. From military bases and embassies to data centers and government agencies, the Nasatka steel plate wedge barrier system has become a signature standard when protecting global assets.

Nasatka's NMSB IIID feature hot-dipped galvanized steel construction, providing a one-of-a-kind vehicle barrier system with long lasting durability and corrosion protection. The NMSB IIID system offers the perfect combination of engineering achievement and maximum durability, capable of operating as a powerful security solution in harsh environments.



The NMSB IIID provides a High Security Solution with ASTM M50 crash ratings (equivalent to DOS K12) in a Green (16-inch shallow mount and available all electric), Plug-and-Play, Maintenance Friendly (independently tested failure free for 1.49 million cycles under DOS Standard Specifications, Section 02844, Paragraph 1.2 B and hot-dipped galvanized steel), Dependable (spare 150 [EPU] or 3 [HPU] cycles during external power failure), and Extreme Environment Capable Design.

Features:

- Green:
  - Available Electric Operator - Integrated Electric Actuator
  - Shallow Mount 16 inch Foundation
  - Hydraulic Operator Uses Bio-degradable US Fish & Wildlife and EPA Compliant Fluid
- Standard Hydraulic Operator - Remote Electro-Hydraulic Power Unit (HPU)
- Normal Barrier Deployment in 3-5 Seconds, Emergency in 1-2 Seconds
- Plug-And-Play Systems (Requires Only Power and Control Wire to Operate)
- Extreme Cold Weather Package Available
- Axle Load of 16 Tons (14515 kg/14.5 MT)

Benefits:

- ASTM F2656-07 M50/P1 Crash Tested (Impact Energy = 1,250 ft-kips/1,6801 kJ) equivalent to DOS K12/L3 (15,000 lbs./6810kg at 50 mph/80kph)
- No Exposed External Hydraulic Lines or Electrical Parts
- All Housings Meet NEMA Outdoor Standards
- 1.49 Million Cycles Maintenance Free - Lab Tested DOS Standard Specifications, Section 02844, paragraph 1.2B (For Electric Operator)
- Designed to Operate with Loss of External Power
  - Accumulator (For Hydraulic Operator) 3 Spare Cycles (Plus Manual Mode)
  - UPS/Battery Backup (For Electric Operator) 150 Spare Cycles (Worst Case – Typically 150 – 450)
- Easily Interfaced with Access Control Systems
- Hot-Dipped Galvanized Steel Construction Provides Excellent ROI

Specifications

CRASH RATING
- ASTM F2656-07 M50/P1
- Equivalent to DOS K12/L3 (15,000 lb/6810kg at 50 mph/80kph)

IMPACT ENERGY
- 1,250 ft-kips/1,680 kJ

PLATE MATERIAL
- U.S. ASTM, A514 Type-B (T-1), yield strength 100 KSI

PLATE HEIGHT
- 33 inches (838 mm)

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

POWER REQUIREMENTS
- Barrier - 208, 230 (1 or 3 Phase) or 480 VAC (3 Phase), 50/60 Hz

CYCLE TIME
- Normal barrier deployment in 3-5 seconds.
- Emergency barrier deployment in 1-2 seconds.

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

FINISHES
- **Standard:**
- 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. Operator is controlled electrically or hydraulically and commands are received via operator input or automation sequence initiation.
- **Emergency:** Barrier closes to secure position. Barrier retains position until commands are received via operator input.
- **Manual:** Open and close barrier via manual release of accumulator charge or manual hand pump or close via drift circuit.

SYSTEM CONTROLLER
- 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
- 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
1105-0802-0000	8	2727	10 Ft. – 10 Ft. – 16 In.	HPU
1105-0902-0000	9	2901	11 Ft. – 10 Ft. – 16 In.	HPU
1105-1002-0000	10	3075	12 Ft. – 10 Ft. – 16 In.	HPU
1105-1202-0000	12	3426	14 Ft. – 10 Ft. – 16 In.	HPU
1105-1402-0000	14	3781	16 Ft. – 10 Ft. – 16 In.	HPU
1105-0803-0000	8	2727	10 Ft. – 10 Ft. – 16 In.	EPU
1105-0903-0000	9	2901	11 Ft. – 10 Ft. – 16 In.	EPU
1105-1003-0000	10	3075	12 Ft. – 10 Ft. – 16 In.	EPU
1105-1203-0000	12	3426	14 Ft. – 10 Ft. – 16 In.	EPU
1105-1403-0000	14	3781	16 Ft. – 10 Ft. – 16 In.	EPU