NASATKA SECURITY
www.nasatka.com

Global Lines of Defense
301-868-0300

NMSB XX
K12 Sliding Crash Gate

The Nasatka Maximum Security Barrier NMSB XX (pronounced 20) is a DOS listed K12 cantilevered sliding crash gate engineered for high-threat security facilities. The gate is constructed of aluminum, utilizing Nasatka's drop arm technology, and balanced to make opening and closing as effortless as possible. The NMSB XX is DOS rated to stop a 15,000 lb. (6,800 kg) vehicle traveling at 50 mph (80 kph) with a penetration rating of L3 (3.3 ft/1 m or less). Engineer rated K8 and K4 versions are also available.

The NMSB XX system offers high security for a wide range of large clear openings with unlimited axle and wheel loads and the roadway may be mechanically, manually, or chemically cleared whenever required.

The NMSB XX gate height is 9 feet 9 inches (2.97 m). The NMSB XX is available in clear opening sizes from 12 to 24 feet (3.66 to 7.32 m). This barrier can be manually operated, or controlled using an electro-hydraulic or all electric operator. The NMSB XX system offers the perfect combination of engineering achievement and maximum durability, capable of operating as a powerful security solution in harsh environments.

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Features

- Unlimited Axle and Wheel Load
- Nominal Overall Height 11 feet 7 inches (3.53 m) Grade to Top of Barrier
- Nominal Gate Height 9 feet 9 inches (2.97 m)
- Opening Sizes Vary per Customer Needs
- **Green:**
  - Available All Electric Operator
  - Hydraulic Operator Uses Bio-degradable US Fish & Wildlife and EPA Compliant Fluid
- Standard Hydraulic Operator
  — Remote Electro-Hydraulic Power Unit (HPU)

Benefits

- DOS K12/L3 Crash Tested
- Listed on the DoD Anti-Ram Vehicle Barriers List
- Easily Interfaced with Access Control Systems
- Minimal Effort to Install with Low Maintenance
- Roadway Cleared Mechanically, Manually, or Chemically
- Aesthetically Pleasing with Functional Architectural Design
- Maximum Flexibility Allowing for Chain Link Fence, Pickets, Anti-climb Material, or Match Existing

Specifications

CRASH RATING
- DOS K12 (15,000 lb/6810 kg at 50 mph/80 kph)/L3 (3.28 ft/1 m or less penetration)equivalent to ASTM F2656-07 rating of M50/P1
- Included on DoD Anti-Ram Vehicle Barriers List
- Engineer Rated K8
- Engineer Rated K4

IMPACT ENERGY
- 1,253 ft-kips/1,699 kJ
- 1,087 ft-kips/802 kJ
- 611 ft-kips/451 kJ

BARRIER MATERIAL
- Aluminum (with Proprietary Nasatka Drop-arm Technology)

BARRIER HEIGHT
- 11 feet 7 inches (3.53 m) (overall height — grade to top of barrier)

GATE HEIGHT
- 9 feet 9 inches (2.97 m)

POWER REQUIREMENTS
- Barrier – 115, 208, 230 (1 or 3 Phase) VAC, 50/60 Hz
- Master Control Panel - 24VDC

CYCLE TIME
- 6-16 seconds
- NOTE: Time varies based on gate opening size, operator, and weight of fence material selected (pickets, chain link, and anti-climb)

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

FINISHES
- All of the steel barrier components are hot dipped galvanized.
- Red and white diagonal striped reflective decal (main horizontal beams)
- Custom finishes available.
- Gate available with chain link fence, pickets, anti-climb material, or match existing fence line and Customer specified finishes.

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. Operator retains position until commands are received via operator input.
- **Manual:** Open and close barrier.

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
			GATE	RECIEVER	
1161-1201-0000	12	7,100	11 – 4 – 4	3 – 9 – 4	Manual
1161-1401-0000	14	7,400	11 – 4 – 4	3 – 9 – 4	Manual
1161-1601-0000	16	7,700	11 – 4 – 4	3 – 9 – 4	Manual
1161-1801-0000	18	8,000	11 – 4 – 4	3 – 9 – 4	Manual
1161-2001-0000	20	8,300	11 – 4 – 4	3 – 9 – 4	Manual
1161-2401-0000	24	8,900	11 – 4 – 4	3 – 9 – 4	Manual
1161-1202-0000	12	7,100	11 – 4 – 4	3 – 9 – 4	HPU
1161-1402-0000	14	7,400	11 – 4 – 4	3 – 9 – 4	HPU
1161-1602-0000	16	7,700	11 – 4 – 4	3 – 9 – 4	HPU
1161-1802-0000	18	8,000	11 – 4 – 4	3 – 9 – 4	HPU
1161-2002-0000	20	8,300	11 – 4 – 4	3 – 9 – 4	HPU
1161-2402-0000	24	8,900	11 – 4 – 4	3 – 9 – 4	HPU
1161-1203-0000	12	7,100	11 – 4 – 4	3 – 9 – 4	EPU
1161-1403-0000	14	7,400	11 – 4 – 4	3 – 9 – 4	EPU
1161-1603-0000	16	7,700	11 – 4 – 4	3 – 9 – 4	EPU
1161-1803-0000	18	8,000	11 – 4 – 4	3 – 9 – 4	EPU
1161-2003-0000	20	8,300	11 – 4 – 4	3 – 9 – 4	EPU
1161-2403-0000	24	8,900	11 – 4 – 4	3 – 9 – 4	EPU

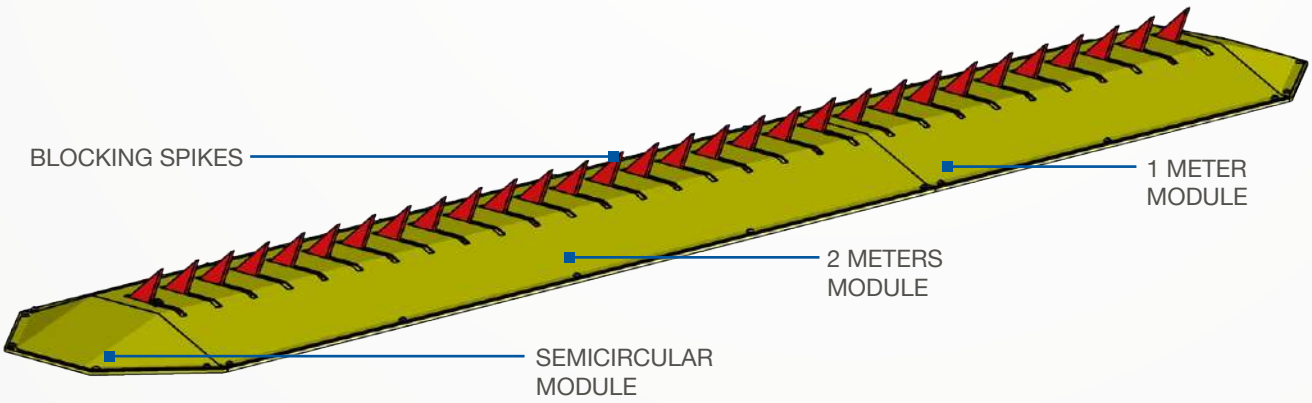
Foundation requires 4000 psi concrete.

TYRE KILLER SMALL

Tyre Killers are composed by heavy duty spikes that rise from the ground; they operate like an access control barrier by preventing the passage of unauthorized vehicles or allowing the exit from a supervised area. They can be installed with other access control elements (for example bollards, road blockers or gates) in order to achieve an access control check-point at the highest level of security. Many optionals items are available for in order to configure each individual system.
Current models are the result of our 40 years'experience in the security field and in excess of 20 years in the specific design and manufacture of bollards.

GENERAL FEATURES

Tyre Killer Small with mechanical movement, allows only the exit of vehicles from a supervised area and prevents the entrance to unauthorized ones; it is typically used for perimeter protection at the exit of companies, hotels, convention centers and similar.



PILOMAT

100% MADE IN ITALY

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TYRE KILLER SMALL

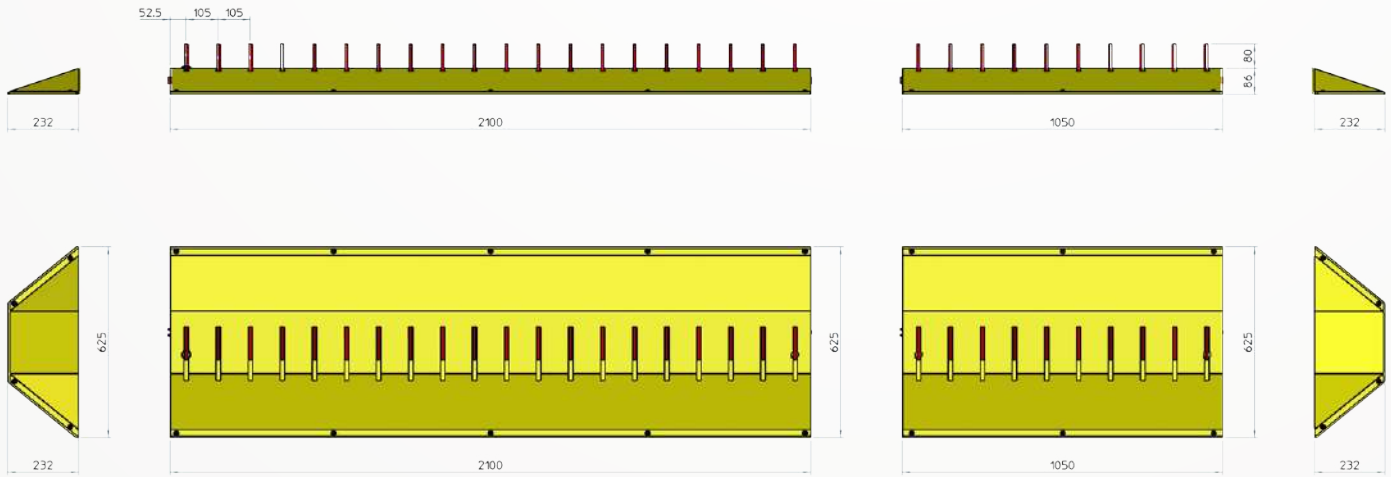
AVAILABLE ITEMS

TYRE KILLER SMALL

BLOCKING ELECTROMAGNET FOR FREE TRANSIT IN BOTH TRAFFIC WAYS

KIT 2 ACCUMULATORS FOR ELECTROMAGNET

BLOCKING SPIKES HEIGHT	80mm
TYRE KILLER LENGTH	STANDARD: 2m-3m-4m-5m-6m
DISTANCE BETWEEN BLOCKING SPIKES	105mm (i.e. TK SMALL 2m: 20 BLOCKING SPIKES)
BLOCKING SPIKES THICKNESS	10mm
TOTAL DIMENSION	LENGTH 2m: 2100x625x86mm (FOR OTHER LENGTHS ADD 1050mm MODULES - i.e. LENGTH 6m: 6300mm)
MOVEMENT	COUNTERWEIGHT TO ALLOW ONLY THE EXIT TRANSIT
TYRE KILLER STRUCTURE FINISH	ANTI-CORROSION TREATMENT - STANDARD PAINTING COLOR: YELLOW
BLOCKING SPIKE FINISH	ANTI-CORROSION TREATMENT - STANDARD PAINTING COLOR: RED
LOAD CLASS	U.N.I. C250 REGULATION
TYPE OF USE	INTENSIVE
LOCK IN LOW POSITION FOR FREE TRANSIT	YES (OPTIONAL)
KIT OF 2 SEMICIRCULAR TERMINAL MODULES	YES (OPTIONAL)



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