

MOBILE BARRIERS AT THEIR BEST



MAY
2019

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RAMMING VEHICLES
WE STOP THEM ALL!

With Mifram Security's Barriers You Could Have Stopped A Ramming Vehicle Terror Event

RAMMING VEHICLES TERROR EVENT 2016 2017 MIFRAMS SECURITY'S BARRIERS	MELBOURNE AUSTRALIA	LONDON UK	CHARLOTTESVILLE VIRGINIA - USA	BARCELONA SPAIN	NEW YORK USA	NICE FRANCE	BERLIN GERMANY
	Suzuki Vitara	Van	Dodge Challenger	Van	Pick-up truck	Cargo truck 19 Ton	Scania Semi-trailer
MVB/ SMVB 	✓	✓	✓	✓	✓		
CarMen 	✓	✓	✓	✓	✓		
FMB 	✓	✓	✓	✓	✓		
MVB-II 	✓	✓	✓	✓	✓		
MVB 3X 	✓	✓	✓	✓	✓		

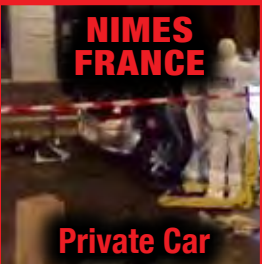
With Mifram Security's Barriers You Could Have Stopped A Ramming Vehicle Terror Event

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	 Suzuki Vitara	 Van	 Dodge Challenger	 Van	 Pick-up truck	 Cargo truck 19 Ton	 Scania Semi-trailer	
	SAMSON 	✓	✓	✓	✓	✓		
	TRUCKMEN SAMSON 	✓	✓	✓	✓	✓		
	HERCULES 	✓	✓	✓	✓	✓	✓	✓
	PYRAMID 	✓	✓	✓	✓	✓		
RMB (In development) 	✓	✓	✓	✓	✓	✓	✓	

With Mifram Security's Barriers You Could Have Stopped A Ramming Vehicle Terror Event

RAMMING VEHICLES TERROR EVENT 2018 2019 MIFRAMS SECURITY'S BARRIERS	LONDON UK	NIMES FRANCE	MÜNSTER GERMANY	BESSEMER CITY NORTH CAROLINA	HENGYANG CITY - CHINA	MELBOURNE AUSTRALIA	KASHMIR INDIA
	Private Car	Private Car	Camper van	Private Car	SUV	Private Car	SUV
MVB/ SMVB 	✓	✓	✓	✓	✓	✓	✓
CarMen 	✓	✓	✓	✓	✓	✓	✓
FMB 	✓	✓	✓	✓	✓	✓	✓
MVB-II 	✓	✓	✓	✓	✓	✓	✓
MVB 3X 	✓	✓	✓	✓	✓	✓	✓

With Mifram Security's Barriers You Could Have Stopped A Ramming Vehicle Terror Event

RAMMING VEHICLES TERROR EVENT 2018 2019 MIFRAMS SECURITY'S BARRIERS	LONDON UK	NIMES FRANCE	MÜNSTER GERMANY	BESSEMER CITY NORTH CAROLINA	HENGYANG CITY - CHINA	MELBOURNE AUSTRALIA	KASHMIR INDIA
	 Private Car	 Private Car	 Camper van	 Private Car	 SUV	 Private Car	 SUV
	SAMSON 	✓	✓	✓	✓	✓	✓
	TRUCKMEN SAMSON 	✓	✓	✓	✓	✓	✓
	HERCULES 	✓	✓	✓	✓	✓	✓
PYRAMID 	✓	✓	✓	✓	✓	✓	✓
RMB (In development) 	✓	✓	✓	✓	✓	✓	✓

MIFRAM SECURITY™

Our Solutions - Your Peace of Mind

Established in 1962 Mifram Security Ltd., develops and designs a wide range of anti-terror barriers.

Mifram Security's products combine protective, mechanical and civilian engineering with an emphasis on portability, modularity and simple assembly, operation and storage.

Mifram Security fights terror and is always attuned to HLS authorities requests to provide them with innovative products to protect both civilians and armed forces.

Over the next decade Mifram Security is preparing to enter new technological areas and new security markets. Mifram Security is continuing to develop new technologies for existing and future threats.

SUCCESSFULLY DEPLOYED IN 5 CONTINENTS



www.miframsecurity.com

WATCH US ON YouTube



MVB 3X

The new modular vehicle barrier



MVB 3X

Deployment



MVB 3X Samson Hercules

The elite team of our Mobile barriers



MVB

Modular vehicle barrier stop suicide vehicles



Hercules

Mobile barrier



SMVB

Snap MVB short



MVB-II

Crash test



MVB 3X

On gravel



Pyramid

Anti ram barrier highlights



FMB

ASTM test



Since 1962

MIFRAM SECURITY

BUILT TO PROTECT

**RAMMING VEHICLES
WE STOP THEM ALL!**

VEHICLE BARRIERS

Our Wide Range of Solutions

Significant reduction of cost on crowd and events protection

MIFRAM SECURITY provides robust physical barriers with unique capabilities that meet the specific needs and requirements of end users. MIFRAM SECURITY supports and meets the challenges of first responders, military and security forces.

Our high security barrier systems are deployed in various security perimeter applications all over the world.

- Vehicle access control
- Protect critical infrastructure & facilities
- Guard docking ocean liners at international harbors
- Provide anti terrorism solutions
- Protecting events and crowded areas

MIFRAM SECURITY provides crash rated barriers with proven stopping capabilities that are specifically tailored to meet users requirements.

Our expertise includes, but is not limited to, R&D, design, computer simulations, engineering, fabrication and testing, technical & financial optimization to improve cost efficiency.

Since 2002, thousands of barriers have been supplied to many countries.

MIFRAM SECURITY provides unique solutions customized to specific clients' requirements.

Our solutions support military, protection services, police, peace keeping forces, special forces, government, municipal and commercial entities.

**TESTED,
CERTIFIED
& COMBAT
PROVEN**

Since 2002

HERCULES 100	Pages 12 - 15
SAMSON	16 - 19
MVB 3X	20 - 29
MVB-II	30 - 33
SMVB	34 - 39
MVB	40 - 51
FMB	52 - 55
CarMen	56 - 59
PYRAMID	60 - 63
RMB	64 - 67

ENDORSED BY



**US
ARMY**



USMC



**US
NAVY**



**US AIR
FORCE**



UN



**POLICE
FORCES**



**IDF
& More...**

**Critical Infrastructure | Ports & Airports | First Responders | Sports Events | Construction Works | Municipalities
Crowd & Vehicle Control | Holy Places & Places of Worship | Crowd Gathering Areas | Crime Displacement**



**COMBAT
PROVEN**
Since
2002



NATIONAL MONUMENTS



DEPLOYED BY ONE WORKER



FOLDS COMPACTLY



EASY MOBILIZATION



**CAN
STOP**



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PENDING**

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Since 1962
**MIFRAM
SECURITY**
BUILT TO PROTECT

LIGHT & MEDIUM WEIGHT PORTABLE BARRIERS

**DEPLOYED
BY ONE
INDIVIDUAL**
NO SPECIFIC VEHICLE
NO TRAINING
NO TOOLS



MVB™



MVB-II™



MVB 3X™



FMB™



CarMen™

HEAVY WEIGHT VEHICLE BARRIERS

**ALL OUR
BARRIERS
ARE MOBILE**
and NOT anchored
to the ground
*Except the
Pyramid



MVB 3XTM



RMBTM



HERCULES 100TM



SAMSONTM



PYRAMIDTM

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HERCULES 100TM





HERCULES 100™

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HERCULES 100™

The first modular and mobile barrier that stops heavy trucks weighing up to 18 tons. Ideal for fast deployment, multi-terrain asphalt and gravel. Suitable also for urban areas and high level threat zones. A MUST-HAVE for every security perimeter solution

FEATURES

- Patent Pending technology: the horizontal momentum is converted to vertical momentum both downward and upwards
- Flexible length - individual units fit together or can be used separately to suit varying vehicle and road sizes
- Designed for use on sandy, rocky and rough terrain, gravel and asphalt
- Basic color: Black & Yellow
- Assembled by two people

BENEFITS

- Cost-effective
- Quick installation
- Comes apart for easy and efficient storage
- Transportable by plane, helicopter, small pick-up truck, jeep, station wagon, boat, etc.
- No maintenance
- No breakdowns

TESTED & CERTIFIED

IWA 14 -1: 2013 VSB V/12000 (N3D)/48/90:7.7 Tested at 12,000 kg @ 50 km/hr [26,460 lbs. @ 31.0 mi/h] - Penetration 7.7 m [25.26 ft.]

ASTM - F2656-15: Barrier Rating U/12000/50 Tested at 12,000 kg @ 50 km/hr [26,460 lbs. @ 31.0 mi/h] - Penetration 5.9 m [19.36 ft.]

~711 KJ Energy Absorption - Equal to 95 Concrete blocks of 1M³ (2.4 Ton) Movement for 1 Meter Distance at 12,000 kg @ 50 km/hr [26,460 lbs. @ 31.0 mi/h]

OPTIONAL

- Spikes
- Safety lights and signs
- **Hercules-TruckMen**
 - Can stop vehicles and people
- The barrier can be used as a platform for advertisements

DIMENSIONS per single unit

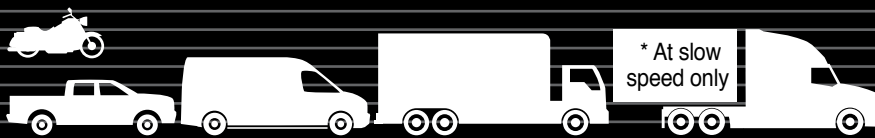
Length	~180 cm	~5.9 ft.
Width	~110 cm	~3.61 ft.
Height	~125 cm	~4.1 ft.
Weight	~175 kg	~385.9 lbs.
Heaviest Part	~55 kg	~121.3 lbs.



The vehicle comes to a full stop
12,000 kg @ 50 km/hr

PENETRATION:
ONLY 5.9 m [19.36 ft.] (ASTM)
7.7 m [25.26 ft.] (IWA-14)

**CAN
STOP**



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SAMSON™





The vehicle comes to a full stop
7,500 kg @ 48 km/hr

PENETRATION:
ONLY 12.4 m [40.68 ft.] (ASTM)
14.2 m [46.6 ft.] (IWA-14)

**CAN
STOP**



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SAMSON™

The next generation, patent pending, tested and certified physical barrier that stops any vehicle from a motorcycle and up to 12 ton heavy trucks from breaking through. Modular and mobile barriers that supports municipal forces, police forces, event operators, military and special units

FEATURES

- Prevents ramming vehicles entering into restricted areas
- Patent Pending technology: the horizontal momentum is converted to a vertical momentum both downward and upwards
- Modularity enables blocking wide range of routes and widths
- Designed for use on sandy, rocky and rough terrain, gravel and asphalt
- Safety lights and signs
- Suitable for urban areas and high level threat areas
- Basic color: Yellow & black
- Assembled by one person

BENEFITS

- Enhances safety and supports security forces
- Light weight - easily carried and transferred
- Transportable by a variety of transportation methods
- Easy and quick assembly – no tools required
- Folds compactly and stows away efficiently
- No breakdowns
- Minimal maintenance
- Cost effective

TESTED & CERTIFIED

IWA 14 -1:2013 standard: VSB V/7200 [N3D]/48/90:14.2

Tested at 7,500 kg @ 50 km/hr [16,538 lbs. @ 31.06 mi/h]

- Penetration 14.2 m [46.6 ft.]

PAS 68: 2013 standard VSB V/ 7500 [N3]/48 / 90: 12.4

Tested & Certified at 7,500 kg @ 48 km/hr

[16,538 lbs. @ 29.83 mi/h] - Penetration 12.4 m [40.68 ft.]

ASTM - F2656-15 standard: Barrier Rating C730

Tested at 7,500 kg @ 50 km/hr [16,538 lbs. @ 31.06 mi/h]

- Penetration 12.4 m [40.68 ft.]

~667 KJ Energy Absorption - Equal to 89 Concrete

blocks of 1M³ (2.4 Ton) Movement for 1 Meter Distance

at 7,500 kg @ 50 km/hr [16,538 lbs. @ 31.06 mi/h]

OPTIONAL

- Ground anchors for added barrier effectiveness
- Pivot system can transform to a swing gate
- **Samson-TruckMen**
 - Can stops vehicles and people
- Can be used as a platform for advertisements

DIMENSIONS per single unit

Length	~150 cm	~4.92 ft.
Width	~65 cm	~2.13 ft.
Height	~108 cm	~3.54 ft.
Weight	~55 kg	~121.3 lbs.
Heaviest Part	~27.5 kg	~60.64 lbs.

SAMSON™



CAN STOP



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MVBTM 3X

Modular Vehicle Barrier





MVB™ 3X
Modular Vehicle Barrier

**HEAVY,
MEDIUM
& LIGHT
WEIGHT
PORTABLE
BARRIERS
- TESTED &
CERTIFIED**

The vehicle comes
to a full stop
7,500 kg @ 48 km/hr
[16,538 lbs. @ 29.83 mi/h]
Penetration 17.8 m [58.4 ft.]



**CAN
STOP**



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MVBTM 3X

Modular Vehicle Barrier

**DEPLOYED
BY ONE
INDIVIDUAL**
NO SPECIFIC VEHICLE
NO TRAINING
NO TOOLS

The third and latest generation of MVB, technology based on 20 years of experience in service all over the world. The first tested and certified, lightweight barrier that stops heavy trucks up to 7.5 tons. The modular and portable barrier supports municipal forces, police forces, event operators, military and special forces

FEATURES

- Prevents ramming vehicles entering into restricted areas
- Patented technology transfers momentum of vehicle to the ground
- Modularity enables blocking a wide range of routes and widths
- Designed for use on sandy, rocky and rough terrain, gravel and asphalt
- Safety lights and signs
- Suitable for urban areas and high level threats areas
- Basic color: Yellow & black
- Assembled by one person

BENEFITS

- Enhances safety and supports security forces
- Lightly weighted - easily carried and transferred
- Transportable by a variety of transportation methods
- Easy and quick assembly - no tools required
- Folds compactly and stows away efficiently
- No breakdowns
- Minimal maintenance
- Cost effective

TESTED & CERTIFIED

IWA 14 -1:2013

Tested & Certified at
2,500 kg @ 48 km/hr
[5,513 lbs. @ 29.83 mi/h]
Penetration 10.9 m [35.76 ft.]
Tested & Certified at
7,500 kg @ 32 km/hr
[16,538 lbs. @ 19.88 mi/h]
Penetration 10.4 m [34.12 ft.]
Tested & Certified at
7,200 kg @ 48 km/hr
[15,876 lbs. @ 29.83 mi/h]
Penetration 17.8 m [58.4 ft.]

ASTM - F2656-15

Tested & Certified at
2,500 kg @ 48 km/hr
[5,513 lbs. @ 29.83 mi/h]
Penetration 9.7 m [31.83 ft.]
Tested & Certified at
7,500 kg @ 50 km/hr
[16,538 lbs. @ 31.06 mi/h]
Penetration 19 m [62.3 ft.]

PAS 68:2013

Tested & Certified at
2,500 kg @ 48 km/hr
[5,513 lbs. @ 29.83 mi/h]
Penetration 9.7 m [31.83 ft.]
Tested & Certified at
7,500 kg @ 32 km/hr
[16,538 lbs. @ 19.88 mi/h]
Penetration 9 m [29.53 ft.]
Tested & Certified at
7,500 kg @ 48 km/hr
[16,538 lbs. @ 29.83 mi/h]
Penetration 17.8 m [58.4 ft.]

~667 KJ Energy Absorption

Equal to 89 Concrete blocks of 1M³ [2.4 Ton - 5,292 lbs.]
Movement for 1 M Distance at 7,500 kg @ 50 km/hr
[16,538 lbs. @ 31.06 mi/h]

OPTIONAL

- Ground anchors for added barrier effectiveness
- Pivot system can transform the barrier to a swing gate
- The barrier can be used as a platform for advertisements

DIMENSIONS per single unit

Length	~118 cm	~3.87 ft.
Width	~51 cm	~1.67 ft.
Height	~82 cm	~2.7 ft.
Weight	~24 kg	~52.9 lbs.



Ready for use



MVB 3X
Modular Vehicle Barrier

The vehicle comes to a full stop



Foldable

**HEAVY,
MEDIUM
& LIGHT
WEIGHT
PORTABLE
BARRIERS
- TESTED &
CERTIFIED**



**CAN
STOP**



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BUILT TO PROTECT

MVB™ 3X Modular Vehicle Barrier





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MVB 3XTM

Modular Vehicle Barrier

Includes pivot system to allow authorized access and temporary barrier

Blocking roads and sidewalks

Entrance permitted
for first responders
vehicles only



MVB 3X
Modular Vehicle Barrier



Pre deployment

**CAN
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MVB™ 3X

Modular Vehicle Barrier



Folds compactly



full deployable line positioned by one worker



Easy mobilization



Can be towed for a short distances



MVB-3X can function and turn around even on gravel soil



Folds compactly

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MVB-IITM

Modular Vehicle Barrier



MVB-II™

Modular Vehicle Barrier



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MVBTM-II

Modular Vehicle Barrier

The second generation, improved design, lightweight, portable and easy to deploy barrier. Stops ramming vehicles from breaking through restricted areas and crowded events, tested & certified

**DEPLOYED
BY ONE
INDIVIDUAL**
NO SPECIFIC VEHICLE
NO TRAINING
NO TOOLS

FEATURES

- Physical barrier that prevents vehicles from breaking through
- Patent Pending technology transfers the vehicle's momentum to the ground
- Flexible length - individual units can be combined to suit varying vehicle and road dimensions
- Designed for use on all terrains
- Safety lights and signs
- Basic color: Yellow
- Assembled by one person

BENEFITS

- Lightweight and portable: easily carried and placed on site
- Quick assembly, no tools required
- Foldable for easy storage
- Transportable by air, land and sea
- No breakdowns
- Cost-effective

TESTED & CERTIFIED

IWA14

Tested at 2,350 kg @ 32 km/hr
[5,182 lbs. @ 19.88 mi/h]

PAS 68

Tested & Certified at 2,500 kg
@ 50 km/hr [5,513 lbs. @ 31 mi/h]

~222 KJ Energy Absorption

- Equal to 29 Concrete blocks of 1M³ (2.4 Ton) - Movement for 1 Meter Distance at 2,500 kg @ 50 km/hr [5,513 lbs. @ 31 mi/h]

OPTIONAL

- Range of options enhancing ergonomics and performance
- Pivot system can transform the barrier to a swing gate
- Carrying case
- The barrier can be used as a platform for advertisements

DIMENSIONS per single unit

Length	~110 cm	~3.61 ft.
Width	~64 cm	~2.1 ft.
Height	~88.5 cm	~2.94 ft.
Weight	~27 kg	~59.5 lbs.



**CAN
STOP**



**PATENT
PENDING**

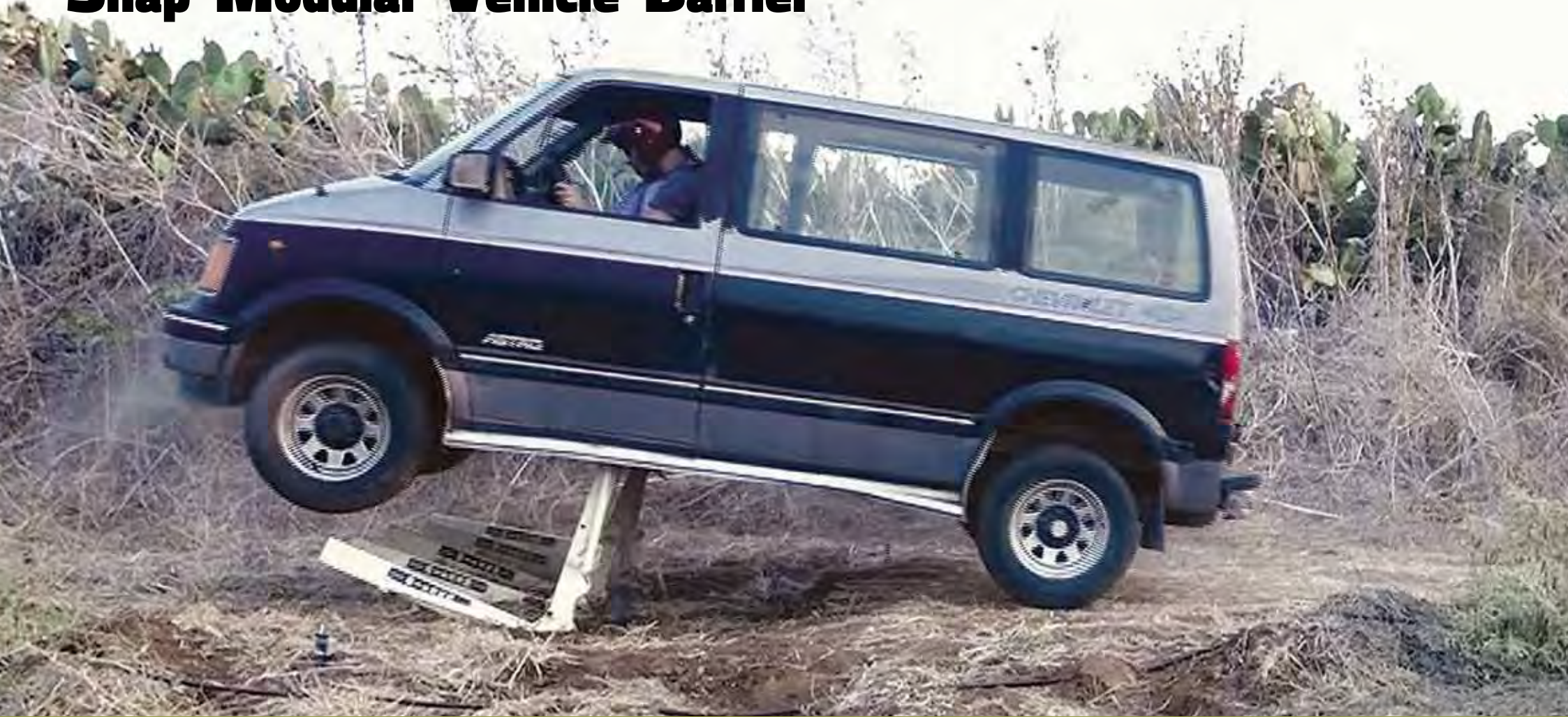
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SMVBTM

Snap Modular Vehicle Barrier





Concealed SMVB lodged under the vehicle hindering forward and backward movement

**CAN
STOP**



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SMVBTM

Snap Modular Vehicle Barrier

A concealed barrier, designed and operated to non-lethally block and stop intruding vehicles, smugglers and terrorists

ABOUT

Mifram Security patent-pending SMVB (Snap Mobile Vehicle Barrier) - a unique, camouflaged vehicle barrier.

The SMVB shares some of Mifram Security's MVB advantages and has some additional features: it can be totally camouflaged in almost any terrain.

When a vehicle approaches the ambush point the SMVB snaps out, using an electrical or mechanical remote control, instantly - in just 1.5 seconds - and blocks it.

Designed to transfer the vehicles momentum into the ground.

The device acts as a set of "jaws" latching onto the bottom of the vehicle and lifts its front wheels.

The vehicle is prevented from moving forward or backward - while causing minimal damage to the car and the passengers are kept safe and are easily overpowered.

BENEFITS

- **Lightweight**
- **Modular**
- **Non-lethal**
- **Minimum maintenance**
- **Quickly and easily moved**
- **Multiple units can be joined to match the required width**
- **Easy operation**
- **Assembled by one person**

OPTIONAL

An automatic operation mechanism can be added to the system. The mechanism acts as a trigger which operates the barrier instantly when a vehicle drives over a pressure plate - no need for any human operation.

DIMENSIONS per single unit

Length	~100 cm	~3.3 ft.
Width	~60 cm	~1.97 ft.
Height	~85 cm	~2.79 ft.
Weight	~26 kg	~57.33 lbs.



Barrier is set and totally undetectable



The concealed barrier is "sprung"



The vehicle comes to a full stop

**CAN
STOP**



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SMVBTM

Snap Modular Vehicle Barrier

Striving to balance
MAXIMUM effectiveness
with **MINIMUM** harm
to vehicle passengers

Designed to stop vehicles with minimum damage to the vehicle - balancing effectiveness with concealability and passenger safety.

The SMVB is a new and innovative barrier, developed to surprise and stop violent individuals.

The barrier is relatively harmless to passengers.

[Who are wearing seat belts - even when the vehicle is traveling at upto 60 Km/hr - average off-road speed.]



**STOPS
ALL TYPES
OF
VEHICLES**

SMVB™
Snap Modular Vehicle Barrier

Light & medium trucks

Two wheeled vehicles including all types of motorbikes

ATV'S

Tractors, commercial vehicles, 4-wheel drive vehicles

**CAN
STOP**



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MVBTM

Modular Vehicle Barrier

The
ORIGINAL
MVB





**COMBAT
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SINCE 2002



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MVB™

Modular Vehicle Barrier

Lightweight portable and foldable barrier, that stops ramming vehicles from breaking into restricted or event areas.

Its patented technology, which transfers momentum to the ground, is used by municipalities, police forces and event operators



COMBAT PROVEN

Thousands of MVB's have been successfully deployed in combat zones and urban areas since 2002.

MVB's are serving front line units in combat zones around the world.

FEATURES

- Physical barrier helps prevent entry of intruding vehicles
- Patented technology transfers momentum to the ground
- Flexible length - individual units combine to suit varying vehicle and road dimensions
- Designed for use on all terrains and asphalt
- Basic color: Yellow
- Assembled by one person

BENEFITS

- Over 15 years proven global combat experience
- Lightweight and portable: Quick assembly, no tools required
- Folded and stowed easily
- Transportable by air, land and sea
- No breakdowns
- Cost-effective

OPTIONAL

- Enhancing ergonomony and performance
- Innovative pivot system allows using the barrier as a swing gate, opened and closed by one individual for vehicle inspection, allowing emergency services to move in or out.
- Carrying Case
- Can be used as a platform for advertisements

DIMENSIONS per single unit

Length	~100 cm	~3.3 ft.
Width	~60 cm	~1.97 ft.
Height	~70 cm	~2.3 ft.
Weight	~21 kg	~46 lbs.



**SUCCESSFUL
DEPLOYMENTS
SINCE 2002**

MVB™
Modular Vehicle Barrier



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BUILT TO PROTECT

MVBTM

Modular Vehicle Barrier



USA



Temporary barrier - allows fast access for authorized vehicles
- no stopping required



Blocking street in Hong Kong



Open MVB



Museum, France



Folded MVB



Sport events, Hong Kong

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BUILT TO PROTECT





Protecting cruise liner passengers



Can be used as a temporary gate if the permanent gate is inoperable



Protecting entrances to military bases



Protecting harbor in Germany



Includes pivot system to allow authorized access and temporary barrier

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BUILT TO PROTECT 47

MVBTM

Modular Vehicle Barrier



Protecting entrance of sensitive compounds



Airport Authorities



Two rows of MVB's in order to achieve higher protection level



Airport Authorities



Used by SWAT police teams and military forces



MVB™
Modular Vehicle Barrier

Fast & easy gate opening and closing



Transportation and deployment
in a towed trailer



Used by SWAT police teams
and military forces



Fast & easy assembly

**CAN
STOP**



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MVBTM

Modular Vehicle Barrier





**CAN
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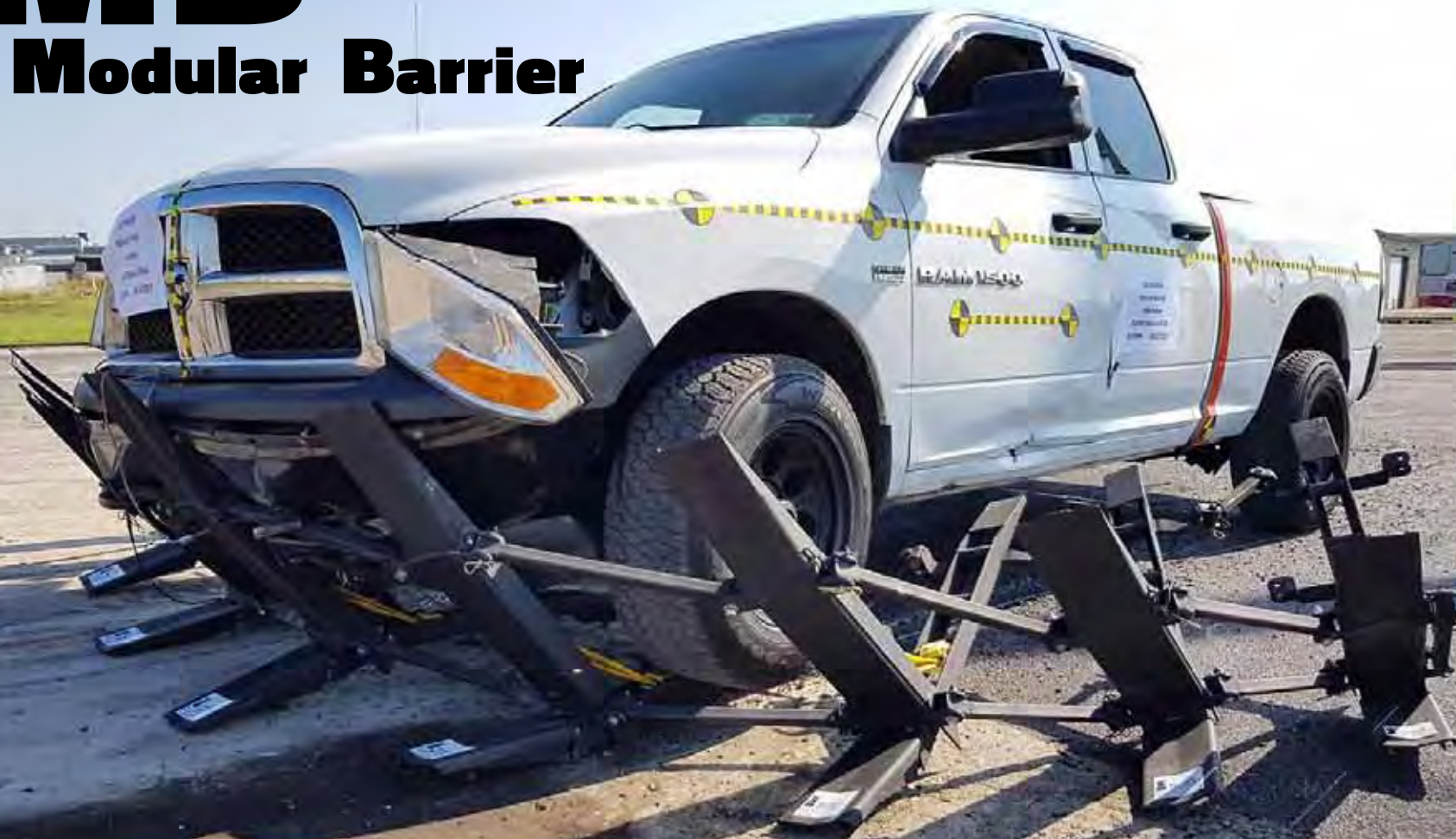
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FMBTM

Flat Modular Barrier



FMBTM
Flat Modular Barrier



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FMBTM

Flat Modular Barrier

Drive over, anti ramming mobile vehicle barrier, fast deployment, light weight, multipurpose and multi-terrain asphalt and gravel. Suitable for urban areas and high level threat zones. A MUST for every security perimeter solution

FEATURES

- Patent Pending technology transfers the vehicle's momentum to the ground
- Prevents cars, trucks, tractors, motorcycles and ATVs from breaking through
- Flexible length - individual units fit together to suit varying vehicle and road sizes
- Safety lights and signs
- Basic color: Gray
- Assembled by one person

BENEFITS

- Cost-effective
- Assembled in minutes - no tools required
- Folds for easy and efficient storage
- Transportable by plane, helicopter, small pick-up truck, jeep, station wagon, boat, etc.
- **Lightweight & Portable** - can be easily and quickly carried and transported from one location to another
- No maintenance and breakdowns

TESTED & CERTIFIED

PAS 68

Tested at 2,500 Kg @ 48 km/hr
[5,513 lbs. @ 29.83 mi/h]

ASTM 2656-15

Tested at 2,300 kg @ 48 km/hr
[5,072 lbs. @ 29.83 mi/h]

~222 KJ Energy Absorption

Equal to 29 Concrete block of 1M³
(2.4 Ton) Movement for 1 Meter
Distance at 2,500 Kg @ 48 km/hr
[5,513 lbs. @ 29.83 mi/h]

OPTIONAL

- Range of options enhancing ergonomics and performance
- Carrying case
- The barrier can be used as a platform for advertisements

DIMENSIONS per single unit

Length	~140 cm	~4.6 ft.
Width	~70 cm	~2.3 ft.
Height	~100 cm	~3.3 ft.
Weight	~33 kg	~72.77 lbs.



Closed FMB

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CarMenTM

Crowd Control & Vehicle Barrier



Prime Minister's Office, Jerusalem



Blocking routes and protecting facilities from demonstrators and vehicles worldwide



The CarMen viewed from the secure side



Selective barrier at Prime Minister's Office.
The system assists security guards in their mission



The system protects government facilities,
military bases and critical infrastructure

**CAN
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CarMenTM

Car & Crowd Control Barrier

A combination of a vehicle and crowd control barrier - helps deny access to hostile crowds and vehicles, yet permits access for authorized personnel and vehicles. The dual usage integrated barrier for blocking roads against vehicles and unauthorized entry of demonstrators and unruly crowds

HOW IT WORKS

The CarMen is designed for deployment in civilian areas to help deny entry into protected areas.

Like the MVB, the barrier helps to hinder or stop vehicles by transferring horizontal momentum into vertical momentum.

It is also designed to control crowds by using the weight of the people standing or resting on the horizontal

element behind the barrier to prevent them from flipping over or removing it.

It is advised that the CarMen should be used as instructed, i.e. as a part of an integrated security plan - if / when heavy duty fixed barriers are not available - by leveraging the mass of hostile crowds and vehicles.

BENEFITS

- **Modular barrier** - barrier sections can be connected for any required width to create a barrier that adapts to block almost any route - any number of units can be connected to achieve the desired barrier length
- **Assembly is fast, simple & easy**
 - Needs no special tools
- Movable from location to location as needed
- No maintenance
- The barrier can be used as a platform for advertisements

USERS

Successfully deployed in 5 continents

Military, municipalities and police bodies as well as security companies and event organizers around the world

DIMENSIONS per single unit

Length	~250 cm	~8.2 ft.
Width	~64 cm	~2.1 ft.
Height	~120 cm	~3.94 ft.
Weight	~150 kg	~330.7 lbs.



Horizontal momentum is converted to vertical momentum



CarMen in LA



Helping control a hostile crowd



CarMen in Germany



CarMen in Germany

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**MIFRAM
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PYRAMIDTM





The vehicle after full stop



The vehicle after full stop

**CAN
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SECURITY**
BUILT TO PROTECT 61

PYRAMIDTM

World's first bi-directional dual usage barrier:

Closed - bumper; Open - 2 way barrier.

Hydraulic operation (manual or electrical) upon client request.

Blocks entrances and exits of a perimeter at the same time and same attachment.

No concrete foundation needed

FEATURES

- Patent Pending technology transfers the vehicle's momentum of the to the ground
- Flexible length - individual units fit together to suit varying vehicle and road sizes
- Designed for use on sandy, rocky, rough terrain, gravel and asphalt
- Basic color: gray
- Assembled by one person and forklift or crane
- **Anchoring system** - Based on 8 anchors placed to a depth of 30 cm, that fix the barrier to the ground

BENEFITS

- Cost-effective
- Quick installation
- Folds for easy and efficient storage
- Transportable by plane, helicopter, small pick-up truck, jeep, station wagon, boat, etc.
- No breakdowns

TESTED & CERTIFIED

ASTM - Tested at 6,800 kg
@ 50 km/hr [14,994 lbs. @ 31 mi/h]

~604 KJ Energy Absorption

Equal to 80 Concrete blocks of 1M³ (2.4 Ton) Movement for 1 Meter Distance at 6,800 kg @ 50 km/hr [14,994 lbs. @ 31 mi/h]



OPTIONAL

- Remote control
- Safety lights and signs
- The barrier can be used as a platform for advertisements
- Electrical hydraulic operation - 220/110/24/12v - upon client request.

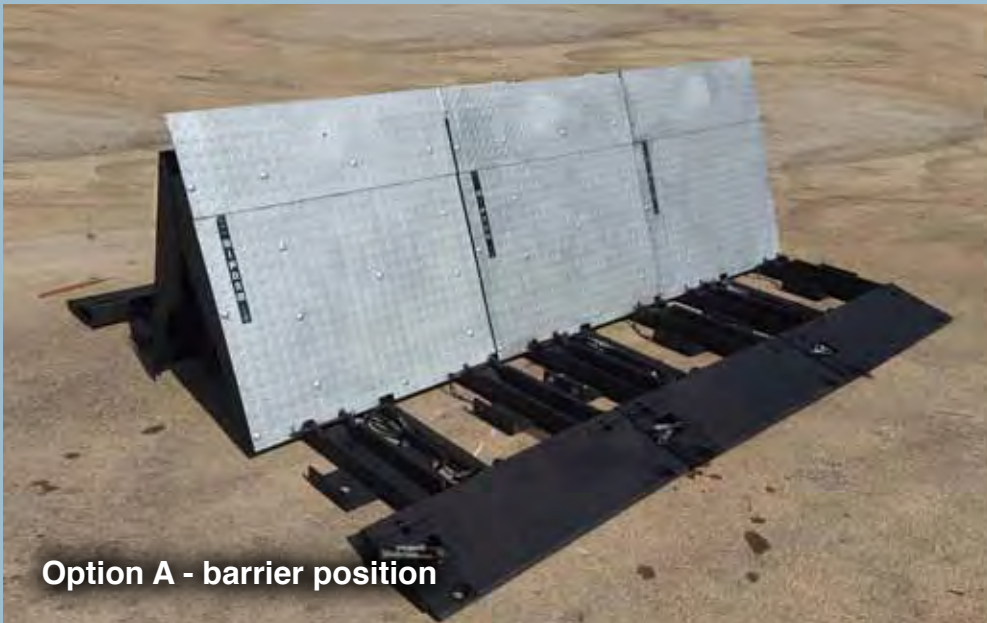
DIMENSIONS per single unit

Length	~255 cm	~8.4 ft.
Width	~100 cm	~3.3 ft.
Height	~100 cm	~3.3 ft.
Weight	~350 kg	~771.8 lbs.

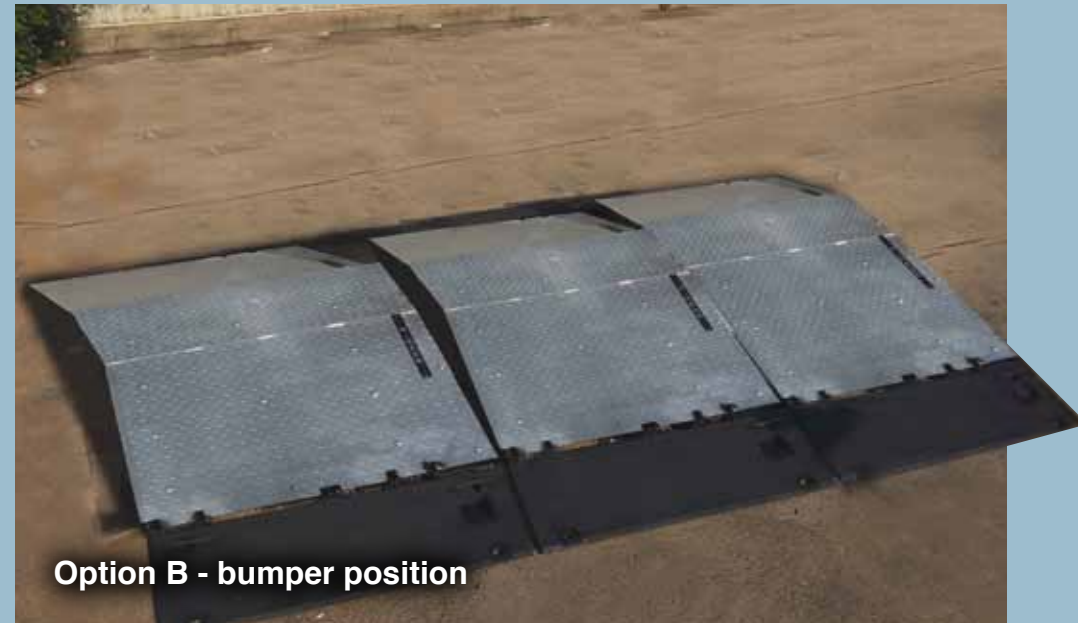


PYRAMID™

The Pyramid can also be used to prevent vehicle thefts from parking lots and enclosures of civilian or military vehicles, heavy machinery, farming equipment etc.



Option A - barrier position



Option B - bumper position

**CAN
STOP**



* At slow
speed only

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**MIFRAM
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Since 1962

RMBTM

Robust Mobile Barrier



RMBTM
Robust Mobile Barrier



**CAN
STOP**



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RMBTM

Robust Mobile Barrier

The RMB is the first and only mobile barrier in the world that stops heavy trucks and semi-trailers weighing up to 40 tons @ 80 km/hr, multiterrain (asphalt and/or gravel), suitable also for urban areas and hot zones, a MUST for every perimeter security professional

FEATURES

- Modular system & flexible length
 - individual units fit both together or apart to suit varying vehicle and road sizes
- Designed for use on rocky, rough terrain, concrete, gravel and asphalt
- Basic color: Black & Yellow
 - Adaptable as per client request
- Assembled by one individual and forklift or crane

BENEFITS

- Cost-effective
- Quick installation & Fast deployment
- No anchoring required
- Easy and efficient storage
- Transportable by truck, plane, helicopter, etc.

TESTED & CERTIFIED

9,800 KJ Energy Absorption
Equal to 1,300 Concrete block
of 1M³ (2.4 Ton) Movement
for 1 Meter Distance.

OPTIONAL

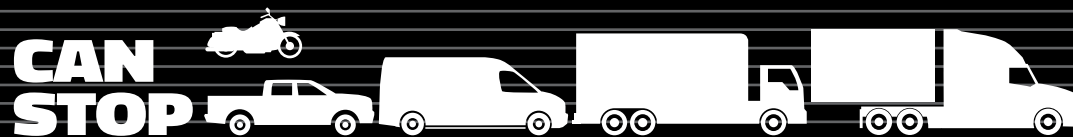
- Safety lights and signs
- Pallet jack

HOW IT WORKS

Patent Pending technology transfers momentum of vehicle to the ground - The barrier convert kinetic energy into potential energy, causing the vehicle to tip upwards in the air and stopping it.

DIMENSIONS per single unit

Length	~300 cm	~9.85 ft.
Width	~100 cm	~3.3 ft.
Height	~200 cm	~6.6 ft.
Weight	~1,000 kg	~2,204.62 lbs.



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Barrier Simulation

For the first time in the barrier industry, MIFRAM SECURITY provides VIP physical security services by utilizing its capabilities to temporarily close any perimeter. High-end computer simulations that allow the client to obtain the maximum protection needed with minimum estimations and assumptions.

MIFRAM SECURITY can provide these simulations using multiple barrier models and combinations, each capable of withstanding and providing protection against specific threats. These simulations are extremely accurate and we can provide further test scenarios at the client's request and carried out at top laboratories. We provide tailor made vehicle barrier solutions with the highest efficiency.

Due to our continuous R&D simulations, MIFRAM SECURITY can also show the client premade simulations to help determine if they require a custom simulation or can utilize one of the existing models.

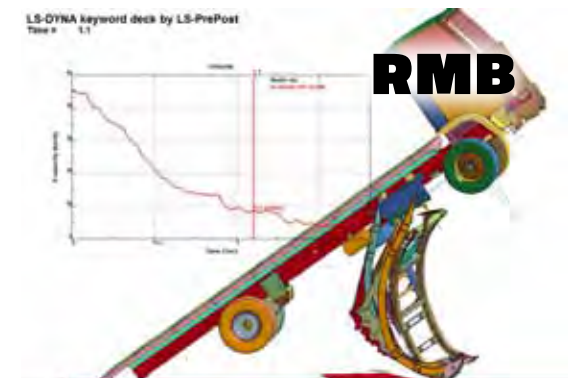
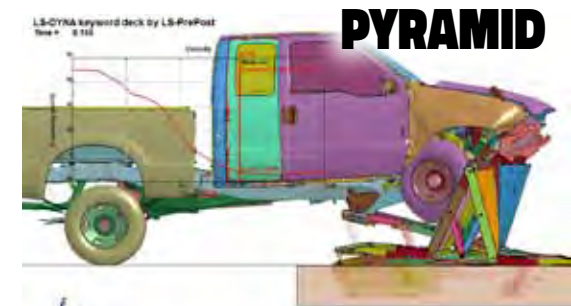
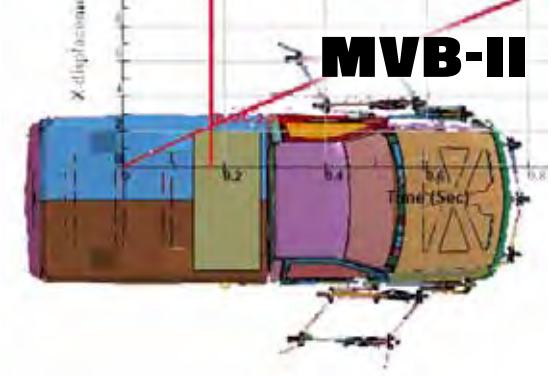
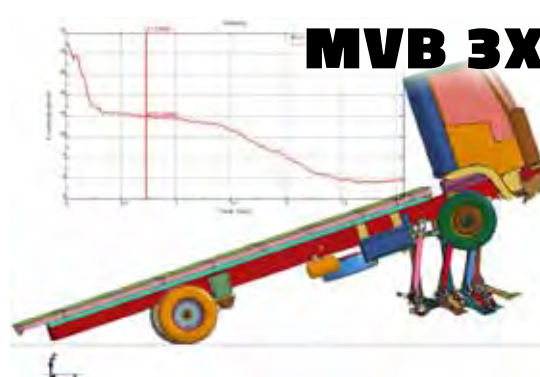
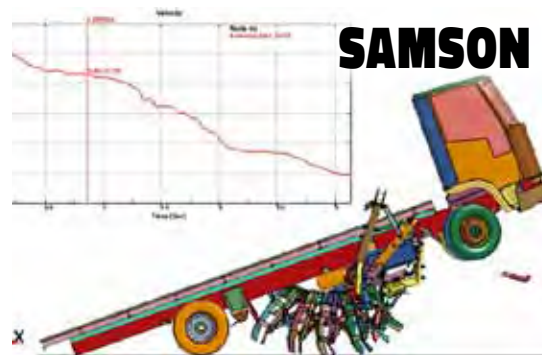
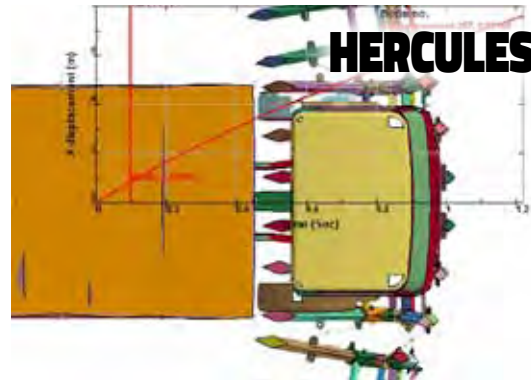
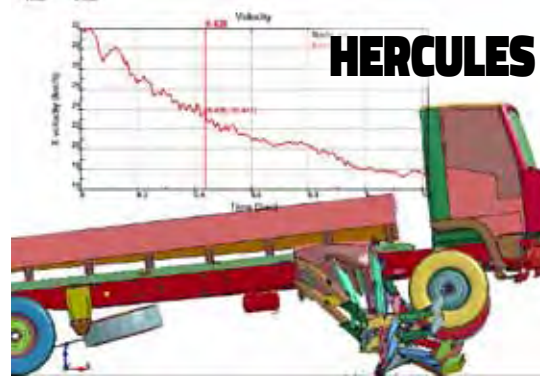
These simulations reflect a huge amount of experience and know how. As a result, MIFRAM SECURITY reserves the right to provide this service to select clients only.

For more information please contact our head office

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Mifram security's barriers accommodate your needs

	HERCULES100	SAMSON	MVB3X	MVB-II	MVB SMVB	FMB	CarMen	PYRAMID	RMB	
CAN STOP	A B C D E *	A B C D	A B C D	A B C	A B C	A B C	A B C	A B C D E *	A B C D E	
PIVOT	SPECIAL					NO	SPECIAL	NO	SPECIAL	
[single unit] DIMENSIONS	Length	~180 cm ~5.9 ft.	~150 cm ~4.92 ft.	~118 cm ~3.87 ft.	~110 cm ~3.61 ft.	~100 cm ~3.3 ft.	~140 cm ~4.6 ft.	~250 cm ~8.2 ft.	~255 cm ~8.4 ft.	~300 cm ~9.85 ft.
	Width	~110 cm ~3.61 ft.	~65 cm ~2.13 ft.	~51 cm ~1.67 ft.	~64 cm ~2.1 ft.	~60 cm ~1.97 ft.	~70 cm ~2.3 ft.	~64 cm ~2.1 ft.	~100 cm ~3.3 ft.	~75 cm ~2.46 ft.
	Height	~125 cm ~4.1 ft.	~108 cm ~3.54 ft.	~82 cm ~2.7 ft.	~88.5 cm ~2.94 ft.	~70 cm ~2.3 ft.	~100 cm ~3.3 ft.	~120 cm ~3.94 ft.	~100 cm ~3.3 ft.	~200 cm ~6.6 ft.
	Weight	~175kg ~385.88 lbs.	~55 kg ~121.3 lbs.	~24 kg ~52.9 lbs.	~27 kg ~59.5 lbs.	~21 kg ~46 lbs.	~33 kg ~72.77 lbs.	~150 kg ~330.7 lbs.	~350 kg ~771.8 lbs.	~700 kg ~1,544 lbs.
DEPLOYMENT	 Two Persons No Tools Required	 One Person No Tools Required	 One Person No Tools Required	 One Person No Tools Required	 One Person No Tools Required	 One Person No Tools Required	 One Person and a Crane OR Forklift	 One Person and a Crane OR Forklift	 One Person and a Crane OR Forklift	
CERTIFIED by a commercial standards	 ASTM INTERNATIONAL  9001:2015	 ASTM INTERNATIONAL  9001:2015	 ASTM INTERNATIONAL  9001:2015	  9001:2015	 9001:2015	 ASTM INTERNATIONAL  9001:2015	 9001:2015	 ASTM INTERNATIONAL  9001:2015	 9001:2015	

Road width protected by using X barriers

3 Units	-	-	~1.25 m ~4.1 ft.	~1.44 m ~4.72 ft.	-	-	~1.38 m ~4.53 ft.	~3 m ~9.84 ft.	~3.25 m ~10.66 ft.
4 Units	~4.2 m ~13.78 ft.	~2.08 m ~6.82 ft.	~1.76 m ~5.77 ft.	~2.08 m ~6.82 ft.	~1.9 m ~6.23 ft.	~2.3 m ~7.54 ft.	-	~4 m ~13.12 ft.	~4.5 m ~14.76 ft.
5 Units	~5.4 m ~17.71 ft.	~2.68 m ~8.79 ft.	~2.27 m ~7.45 ft.	~2.44 m ~8.0 ft.	~2.5 m ~8.2 ft.	~3 m ~9.84 ft.	~2.66 m ~8.72 ft.	~5 m ~16.4 ft.	~5.75 m ~18.86 ft.
6 Units	~6.6 m ~21.65 ft.	~3.28 m ~10.76 ft.	~2.78 m ~9.12 ft.	~3.08 m ~10.1 ft.	~3.1 m ~10.17 ft.	~3.7 m ~12.14 ft.	-	~6 m ~19.67 ft.	~7 m ~22.96 ft.
7 Units	~7.8 m ~25.58 ft.	~3.88 m ~12.73 ft.	~3.29 m ~10.79 ft.	~3.44 m ~11.28 ft.	~3.7 m ~12.14 ft.	~4.4 m ~14.43 ft.	~3.96 m ~12.99 ft.	~7 m ~22.97 ft.	~8.25 m ~27.06 ft.
8 Units	~9 m ~29.52 ft.	~4.48 m ~14.69 ft.	~3.8 m ~12.46 ft.	~4.08 m ~13.38 ft.	~4.3 m ~14.1 ft.	~5.1 m ~16.73 ft.	-	~8 m ~26.25 ft.	~9.5 m ~31.16 ft.
9 Units	~10.2 m ~33.46 ft.	~5.08 m ~16.66 ft.	~4.31 m ~14.14 ft.	~4.44 m ~14.56 ft.	~4.9 m ~16.07 ft.	~5.8 m ~19.02 ft.	~5.26 m ~17.25 ft.	~9 m ~25.53 ft.	~10.75 m ~35.26 ft.
10 Units	~11.4 m ~37.39 ft.	~5.68 m ~18.63 ft.	~4.82 m ~15.81 ft.	~5.08 m ~16.66 ft.	~5.5 m ~18.04 ft.	~6.5 m ~21.32 ft.	-	~10 m ~32.8 ft.	~12 m ~39.36 ft.

KEY:

A  Up To 250 kg [551 lbs.]	B  Up To 2,500 kg [5,512 lbs.]	C  Up To 3,500 kg [7,717 lbs.]	D  Up To 7,500 kg [16,537 lbs.]	E  Up To 40,000 kg [88,200 lbs.]
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* At slow speed only



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