



SITE AND SAFETY PRODUCTS





Who is GME?

As an industry pioneer since the 1960's, GME quickly took a leadership position in product design and industry development. Since the beginning, GME has lead the industry in product development, innovation and effectiveness.

GME is the producer of the world's most complete line of trench shoring and shielding equipment. The products we offer include:

- Hydraulic Shoring
- Steel Trench Shields
- Aluminum Trench Shields
- Modular Aluminum Trench Shields (Lite-Shield™)
- Slide Rail Shoring Systems
- Hydraulic Bracing Systems (MD Brace)
- Site and Safety

Through our extensive distribution network, our products can be found on a countless number of job sites around the globe.

Our original facility in Union City, Michigan has expanded over the years to meet the growth demands of the industry. Currently we have three plants dedicated to trench shield and trench shoring production, located in Michigan. GME has a sales force that offers over 100 years of collective experience in the trench shoring and shielding industry. With this combined knowledge, GME is able to provide our customers with the solutions they need to get their projects completed.

With a dedicated Research and Development team, including an in-house Registered Professional Engineer, GME is able to continually improve upon our products and product selection, proving that GME is the industry leader in product innovation.

If you have an upcoming project and would like to see how GME can assist you, or if you would like more information about GME and our products, please feel free to contact us at 800.248.2054 or on the web at www.gme-shields.com.



What is a Site & Safety Product?

A Site & Safety Product is a product that does not necessarily go in the ground like at Trench Shield or Shoring system, but can be used in conjunction with them on the same job site. These products include: Road Plates, Exit Grids, Bedding Boxes, Port-A-Bridges, Ladder Platforms, TrenchGuard Fencing, Guard Rails, and Spreader racks, among others.



Why use a Site & Safety Product?

The reasons to use a Site & Safety Product are numerous. With that said, here are a few:

- Increases production. Some of the Site & Safety Products are designed to allow machine operators to focus their main purpose, production.
- Saves Money. The use of any number of the Site & Safety Products can save the costs in terms of equipment time, site clean up, and site restoration.
- OSHA Compliant. Properly using a number of the Site & Safety Trench Products can be the difference between getting an OSHA fine or not getting one.



Where to use Site & Safety Products?

Site & Safety Products can be found on a variety of job projects. These projects include:

- Pipeline
- Mechanical work
- Cast-in-Place
- Electrical Work
- Sewer\Water repair & installations
- Municipal work
- And many more...



Bedding Boxes

Saving time and money



Bedding Boxes

The GME Bedding boxes offer a way to increase profits and material utilization, by reducing a projects overall bedding material cost. Built to hold a wide range of products and accommodate a variety of excavator buckets, the GME Boxes are designed in three different categories: Light Duty (BL), Standard Duty (BS) and Heavy Duty (BH). All Bedding Boxes include Apparatus A. Custom sizes are also available in all three categories.

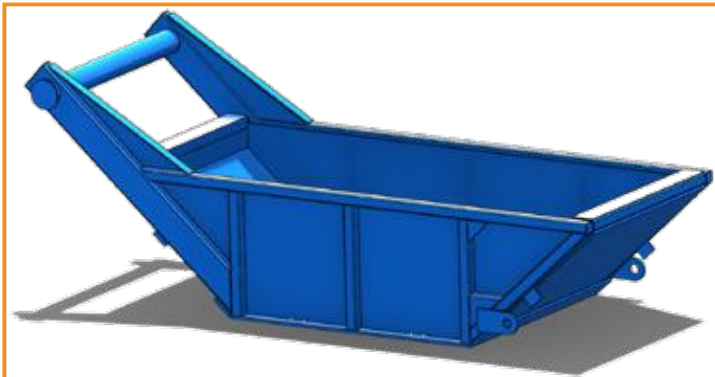
Apparatus "B" Option

The Apparatus "B" option, available on all GME Bedding Boxes, makes repositioning the Bedding Box easy and quick. It is reinforced and fully welded at all stress points, with gussets added for additional strength.



EPA Option

The EPA Option replaces the standard bedding box plate arms. While adding tube supports to the front of the bedding box. The EPA Option is available in all Bedding Box sizes.



Bedding Boxes

Light, Standard, and Heavy Duty

Light Duty Bedding Boxes

The Light Duty Bedding Boxes (BL Models) are designed for the lighter weight excavators, with an operating weight ranging from 30,000 pounds to 70,000 pounds.

The top frame of the BL Bedding Boxes is strengthened by an inner core of hardwood, with the sides and end plates being comprised of 3/16" plate. The bottom is a 3/8" plate with wear strips to promote a longer, usable life. The overall height of the bedding box is 44", allowing dump trucks easy access on either side. Custom sizes are available

Standard Duty Bedding Boxes

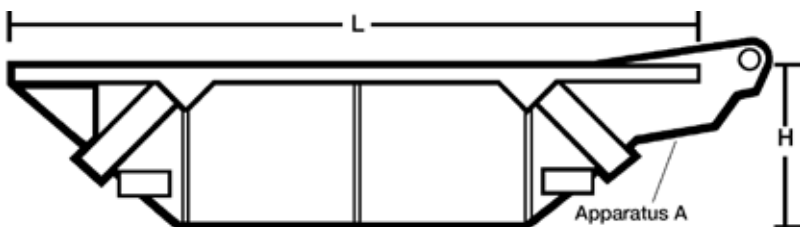
The Standard Duty Bedding Boxes (BS Models) are designed for excavators with an operating weight ranging from 40,000 pounds to 90,000 pounds.

The top frame of the BS Bedding Boxes is strengthened by an inner core of hardwood, with the sides and end plates being comprised of 1/4" plate. The bottom is a 1/2" plate with wear strips to promote a longer, usable life. The overall height of the bedding box is 44", allowing dump trucks easy access on either side. Custom sizes are available.

Heavy Duty Bedding Boxes

The Heavy Duty Bedding Boxes (BH Models) are designed for excavators with an operating weight ranging from 60,000 pounds to 140,000+ pounds.

The top frame of the BH Bedding Boxes is strengthened by an inner core of hardwood, with the sides and end plates being comprised of 3/8" plate. The bottom is a 1/2" plate with wear strips to promote a longer, usable life. The overall height of the bedding box is 44", allowing dump trucks easy access on either side. The clean sweep end and corners are reinforced to withstand the even the most rigorous of job-site activities. Custom sizes are available.



Light Duty Bedding Boxes - Includes Apparatus "A"					
Model	Capacity	Weight (lbs.)	Inside Width	Outside Length	Height
BL-4	4 CYDS	3228	45"	13'	44"
BL-7	7 CYDS	4480	51"	16'	44"
BL-9	9 CYDS	5061	63"	16'	44"



Standard Duty Bedding Boxes - Includes Apparatus "A"					
Model	Capacity	Weight (lbs.)	Inside Width	Outside Length	Height
BS-5	5 CYDS	4423	51"	13'	44"
BS-7	7 CYDS	5078	51"	16'	44"
BS-8	8 CYDS	5133	57"	16'	44"
BS-9	9 CYDS	5608	63"	16'	44"



Heavy Duty Bedding Boxes - Includes Apparatus "A"					
Model	Capacity	Weight (lbs.)	Inside Width	Outside Length	Height
BH-9	9 CYDS	6310	63"	16'	44"
BH-12	12 CYDS	7438	87"	16'	44"
BH-15	15 CYDS	8766	87"	20'	44"



Port-A-Bridge

Modular, temporary bridging



Port-A-Bridge

The Port-A-Bridge by GME® is a modular bridge system designed for rapid delivery and installation at the job-site. The Port-A-Bridge is available in 10' increments, from 20' to 50' long. Each section is 6' wide. Two units join together to form a 12' wide single lane structure that allows vehicles, equipment, or foot traffic to proceed over or around the construction site or impassable area.

Typically, a bridge can be installed on-site in minutes, making it ideal for short to medium term usage. Units can be loaded on a truck with a heavy-duty fork truck or small crane. Contractors on-site can install the units using excavators, or small rough terrain cranes.

The system is designed to permit the formation of multiple spans in multiple lanes, utilizing our standard length units. The fully-welded structural steel units feature steel decking for maximum durability. They are designed to meet specific U.S. loading criteria, in accordance with AASHTO-US bridge design code by licensed professional engineers.

Applications:

- Highway Contractors - Detour structures
- Municipalities - New construction & Emergency replacement
- Utility Contractors - Hauling roads & access over excavations
- Utility Companies - Access to remote areas & off-road applications
- Developers - New construction development
- Parks & Golf Courses - New construction & replacement of existing structures
- Events - Walkways or access lanes for concerts, sporting events, and conventions



Port-A-Bridge - Temporary Bridging System					
Model	Maximum Span	Length	Width	Weight (lbs.)	Guardrail Weight
PB-20	20'	21'6"	6'	8000	800
PB-30	30'	31'6"	6'	12500	1000
PB-40	40'	41'6"	6'	16000	1400
PB-50	50'	51'6"	6'	24500	1700

Job site photos are strictly intended for general product information only and may not comply with all applicable safety standards. Always refer to manufacturers' specific tabulated data, O.S.H.A. 29 CFR 1926 Subpart P for excavations, and all applicable safety standards prior to each use.

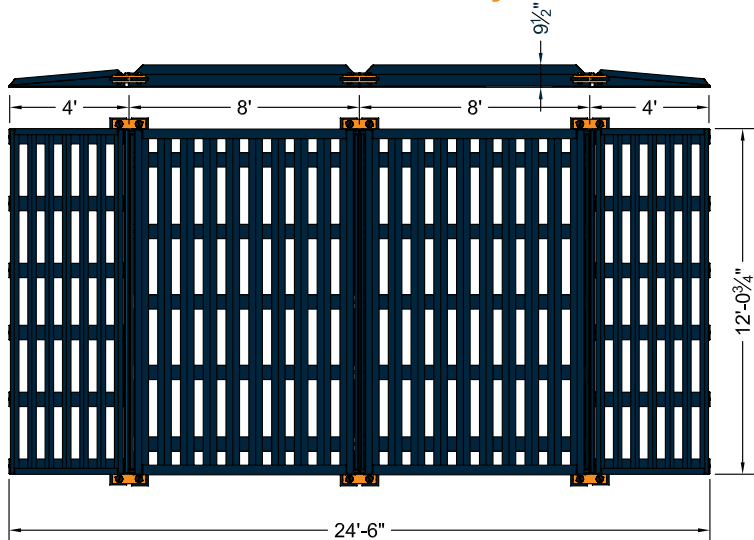
Exit Grid and Ramps

GME Exit Grids are designed to shake loose debris that is lodged in your trucks' tires and undercarriage before your trucks leave the job-site.

Simply place the Exit Grid on the haul road just before your vehicles enter the paved streets. When vehicles drive over the Exit Grid, the tires will be shaken and flexed, to dislodge rocks, dirt and other debris from the treads as well as the undercarriage of the vehicle. This cleaning process helps remove the excess dirt and debris that may be distributed on paved streets and highways. It also removes stones and rocks that can result in broken windshields and insurance claims. It will reduce the time and money involved in street cleaning and water truck use, and help build goodwill with the neighboring public.

The typical GME Exit Grid System consists of two 4' x 12' ramps, and two 8' x 12' bed sections. Additional Exit Grid setups are available to accommodate different job-site conditions. It is constructed of angular structural steel, welded to I-beams and steel tubing for maximum rigidity and durability. The system can be installed in minutes and left in place for prolonged periods. When necessary after periodic use, debris can be easily removed from under the GME Exit Grid.

The GME Exit Grid System



The GME Exit Grid			
Model	Length	Width	Weight (lbs.)
Exit Grid	8'	12'	2400
Ramp	4'	12'	970



Road Plates

For use with pedestrian & vehicle traffic



Road Plates

GME Road Plate is made from 1" thick, A-36 certified steel plate. With multiple sizes available, these steel road plates are perfect for use in street crossings, trench covering, and access over unstable terrain.

The GME Road Plates are safe for both pedestrian use and vehicle use and are ideal for municipalities, contractors, and utility companies for temporary access needs over unstable terrain.

Features:

- Standard pick point cut-outs on sides of plates
- Flush mounted, balanced lifting plates
- A-36 Steel
- Can be setup for different lifting devices



Road Plates				
Model	Thickness	Length	Width	Weight (lbs.)
4 x 8	1"	8'	4'	1306
5 x 10	1"	10'	5'	2040
6 x 10	1"	10'	6'	2449
8 x 12	1"	12'	8'	2912
8 x 16	1"	16'	8'	5224
8 x 20	1"	20'	8'	6534



Spreader Racks

GME Spreader Racks are designed to ease congestion and accessibility issues associated with trench shield stocking yards. The GME Spreader Rack enables steel trench shield spreaders to be neatly stacked and contained. With the spreaders neatly contained, precious yard space is saved, allowing trucks and yard fork lifts to successfully navigate throughout the yard.

GME provides multiple sizes available to accommodate differing spreader sizes (from 24" (.6m) to 240" (6m) pipe) and multiple styles to suit yard needs (standard, high ground clearance, stackable) the GME Spreader Rack is a must-have asset for any trench shoring and shield yard.

Features:

- Lightweight
- Custom sizes available
- Easy to move with forks
- Multiple styles available

Spreader Racks -Standard			
Model	Spreader Size	Load Capacity (lbs.)	Weight (lbs.)
Small	24" to 36"	3400	360
Medium	42" to 72"	6500	390
Large	84" to 108"	9700	430
X-large	120" to 144"	13000	510
XX-Large	156" to 240"	22000	850

Additional Branch Support Products

GME also produces a wide range of additional Branch Support Products. These include, but are not limited to...

- Spreader Pallets
- Stackable Racks
- Dunnage Racks
- Rigging Racks
- Storage Bins
- And many more...



Platform

Compact and secure



Platform

Fold-able and compact, the Platform offered from GME is able to be used on sheet pile, slide rail and trench shield projects. Featuring a swing through door, a ladder arm and security chain, the Platform offers a complete system for accessing a sheet pile or trench shield\slide rail excavation.

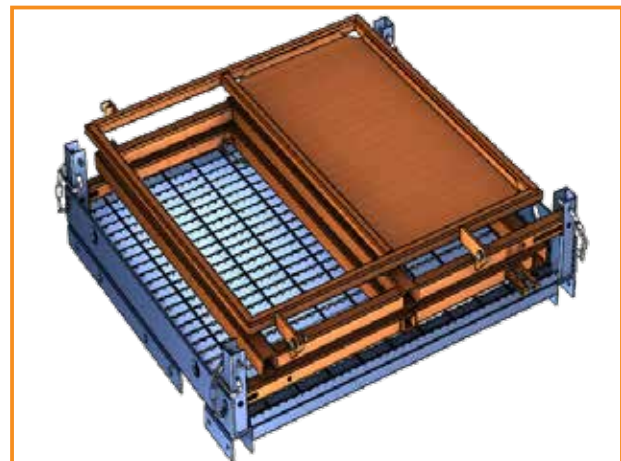
The lightweight Platform from GME is designed to allow easy and safe access to the excavation. Featuring an expandable ladder post and ladder clamps that securely fasten the ladder at the correct angle, enabling a safe side entry to the ladder.

The Platform from GME pairs seamlessly with the Trenchguard fencing system.

Features:

- Lightweight
- Adjustable front legs for leveling
- Universal Clamps for use on everything from sheet pile to slide rail and trench shield panels
- Side entry to ladder
- Collapsible sides and gate for ease of transporting and storing
- Has two positions for installation

Height	43" (1.09m)
Width	44" (1.11m)
Depth	34" (.86m)
Weight	215 lb. (98 kg)



Trenchguard Lightweight Fencing Panels

Trenchguard

The Trenchguard fencing from GME is a lightweight panel fence system that protects workers from falling debris and the dangers of an open excavation, while being easy to install and use.

Featuring a unique wave design, the fence panels are able to nest with each other, allowing for multiple excavation lengths to be fenced using the minimum number of panels. Conforming to the latest temporary edge protection, the Trenchguard system is able to be used on sheet pile, slide rail and trench shield projects.

The Trenchguard panels attach to sheet pile, slide rail and trench shield panels using clamps and guard post. The guard post are a 2" diameter post that weaves through the wave of the Trenchguard fencing, providing an easy and secure connection.

The Trenchguard fencing system pairs seamlessly with the Platform from GME.

Features:

- Lightweight
- Overlapping panels
- Conforms to OSHA & Canadian standards*
- Universal Clamps for use on everything from sheet pile to slide rail and trench shield panels
- Toe board design

Fence Height	45" (1.14m)
Fence Width	88" (2.23m)
Fence Weight	33 lb. (15 kg)
Post Height	48" (1.22m)
Post Weight	11 lb. (5 kg)



*Conforms to OSHA 1926.502 / BS EN 13374.2004 and Canadian standards 213/91

PRODUCER OF THE WORLD'S MOST COMPLETE LINE OF TRENCH SHORING & SHIELDING EQUIPMENT

Steel Shields



Lite Shields



Height Adapters



AEX Shields



MD Brace System



Hydraulic Shoring



Bedding Boxes



Hydraulic Shields



Slide Rail Shoring



Port-a-Bridges



Griswold Machine & Engineering

8530 M-60 Hwy
 Union City, MI 49094
 Phone: 1-800-248-2054
 Fax: (517) 741-7483
www.gme-shields.com

