Heavy Duty Aluminum Shoring Systems

MegaShore, HV and Drop Deck Support Systems for a wide variety of new and existing construction applications.
Whether you need to support a single story, elevated concrete deck; a 60-story high rise; or a heavy load of any kind, the Safway Group can design, supply and install the ideal system to meet your project needs.

The MegaShore Support System is the premier system for concrete shoring applications. It’s versatile design, high-load capacities and ease of use makes it ideal for a wide range of applications and end-users:

- Re-shoring and Supporting Existing Structures
- Pedestrian Protection Systems
- Restoration and Demolition Markets
- Heavy Duty Loading Platforms
- Heavy Civil Construction Markets
- Construction Hoist “Runback” Systems
- Turbine Deck and Power Plant Construction
- All Aspects of Cast-in-Place Concrete Construction

**MegaShore Support System**

- Load capacities: Up to 22,000 pounds per vertical post or 100kN.
- Simple: Modular design with only two main components and simple accessories.
- Lightweight: High strength-to-weight ratio and aluminum has excellent corrosion resistance.
- No tools required: Unique connection system allows for efficient installation by hand.
- No loose fittings: All components are integrated into design. No more lost or dropped pins, nuts or bolts!
- Rigid connection between posts and frames self-aligns the system.
- Access options: Continuous vertical slots on the posts allow the ledger frames to be positioned at convenient working heights. System allows the frames to be planked and used as work platforms.
- Versatile: Single system that can be used for large, rigid “Flying Tables,” as stand-alone towers or as post shores.
- Modular design: Components easily adapt to height and width variations.
- Superior screw jack design: Integrated retaining clips allow for jacks to ship as a complete unit with the posts. Reduces labor costs, eliminates lost or missing pieces and simplifies shipping and storage. Jacks, both top and bottom, allow for up to 7-feet-10-inches (2.4 meters) in vertical adjustment.
MegaShore Support Systems Accessories

**Extension Leg**
Available to accommodate non-standard heights.

**Spanner**
Simplifies jack adjustment.

**Cantilever Bracket**
Provides external access and support.

**Swivel Head Plate**
For sloping soffits, ramps and other inclined surfaces.

**Leg Adaptor Plate**
For connecting to jack base plate.

**Connecting Bracket**
For rapid connection between headplates.

**Hinge Unit**
For hinging of leg to clear narrow vertical openings.

**Trolley**
For moving systems when assembled as tableform.
Heavy Duty Loads at Significant Working Heights

MegaShore Frame Loads

Loads indicated are approximate and for illustrative purposes only. Consult with the Safway Engineering Department for allowable design loads based on actual working heights and design layout.

Aluminium Joists and Beams Plus H20 Wood Beams Available

- Allowable uniform loads "simply" supported and laterally braced.
- Reduces labor costs and lowers transportation costs compared to steel beams.
- Nailing strip on aluminum joists are 2"x 2" for easy plywood attachment. Factory installed; field replaceable.
- Reverse flange stiffening reduces damage during handling.
- The channel on the underside of the joist accepts the ABC aluminum beam clamp or a ½" hex. head bolt.
- Flange in both joists and stringers are 4" wide and fits standard 4" wide U-Head on shoring jacks and post shores. Allows side-by-side installation in 8" wide U-Heads. Nests for compact shipment.
MegaShore Support System Components

Mega Props

Prop Endplate

Mega Prop #2

Description | Height Range
--- | ---
Mega Prop #2 | 170cm-290cm 5'-7" – 9'-6"
Mega Prop | 430cm-550cm 14'-1" – 18'

Mega Outer Ext

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
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</thead>
<tbody>
<tr>
<td>Mega Outer Ext</td>
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<td>3.00m</td>
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<tr>
<td>Mega Outer Ext</td>
<td>5.00m</td>
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Retainer Clip
MegaShore Support System Frames

Ledger Frames

The Mega Frame length is from leg center to leg center. The Ledger Frame height is 33".

<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
<th>Center to Center</th>
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<tbody>
<tr>
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<td>1'-11½&quot;</td>
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<td>0.9m</td>
<td>2'-11¾&quot;</td>
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<tr>
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<td>1.2m</td>
<td>3'-11¼&quot;</td>
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<td>Mega Frame</td>
<td>2.4m</td>
<td>7'-10½&quot;</td>
</tr>
<tr>
<td>Mega Frame</td>
<td>3.0m</td>
<td>9'-10¼&quot;</td>
</tr>
</tbody>
</table>

Handrail Frames
For protection around perimeter scaffold boards.

Intermediate Transom
For supporting scaffold boards.
Ledger Frame Features

- Ledger frames provide full-post support and maximize load capacities.
- Spring-loaded wing nut and T-bolt connection allow for “no tools needed” installation.
- Posts are marked with set spacing so no field measurements are needed.
- Predetermined frame spacing eliminates uncertainty, improves productivity and improves safety.

HV Support System

Compatible with MegaShore components. A cost effective system for common loading conditions.

- Load capacity up to 15,000 pounds as a single post or up to 18,000 pounds per post in combination with Ledger Frames.
- Simple: No “top” or “bottom” to post design. Either end of the post can be used in either orientation.
- Posts clamp plate-to-plate to each other for added height, as needed.
- “No tools required” designed for fast assembly.
Drop Deck Support System

Drop Deck Support System Features:

- Steel Post Shores support simple aluminum gridwork (main and secondary beams plus dropheads).
- Traditional decking: Contractor’s choice of plywood to place on top of gridwork.
- Modular system utilizes pre-established post shore spacing to reduce the need for field measurement and minimize equipment needs.
- Modular design features self-stiffening beam grillage for stability and reduced labor costs.
- No additional components needed if main beam direction changes.
- Drophead allows for early stripping and re-use of beams and panels.

Modular system maintains dimensional accuracy.
MegaShore Can Be Used In a Wide Variety of Applications.

Safway has a wide range of products and services that complement our Aluminum Shoring Systems.

- **Pedestrian Protection Scaffold**: Large clear span widths and unobstructed heights. Visually appealing to property owners. High-capacity allows for the erection of additional scaffold or access systems.

- **Hoist “Runback” Systems**: The versatile Ledger Frame system allows for exact placement of work levels, and the high-load capacity Mega Prop allows for minimal posts when the need arises to erect a platform between a structure and a construction hoist car.

- **Loading Platforms**: With its high-load capacities and long, free spans, MegaShore can be used to create loading platforms that minimize the site “footprint” needed to accomplish your work, safely and efficiently.

Ask us about:

- Steel Post Shores and U-Heads
- Aluminum Joists and Stringers
- H20 Wooden Beams for Shoring and Forming
- Aluminum Twin and Insert Beams
Safway’s Portfolio of Products and Services Can Save You Time and Money.

Looking for a way to beat project schedules, improve coordination among various trades, reduce overall costs, and streamline your contract administration?

Safway is licensed in a variety of professional trades, in both the commercial and industrial markets, that complement our equipment rental and installation services. By contracting with Safway to provide these services, you reduce the number of subcontractors you have to manage, improve your scheduling and site coordination, and achieve a higher level of overall responsiveness and service on your site.

Our comprehensive services include:

- Fireproofing: Cementitious, Fibrous, and Intumescent
- Spray Foam Insulation
- Commercial Insulation: Batt Blanket, Ductwrap, Interior and Exterior Piping
- Industrial Insulation: Mineral Wool and CalSil, Sheet Metal Work and Jacketing, Insulated Panels and Insulated Blankets
- Soundproofing
- Surface Preparation and Painting
- Floor Coating Systems
- Safety Training, Edge Protection, and Custom Site Safety Systems
Engineering and Project Management Services:

- PE stamped prints and complete construction drawings
- Inspections and site visits by Safway professional engineers
- Laser scanning and BIM services
- “Turnkey” erection and dismantling services
- Safety and OSHA compliance training
- Erector training
- In-house trucking for improved site logistics and scheduling
Through SMART Safety practices, SMART Planning methodologies, SMART Process discipline and SMART Technology advancements, our SMART People come with ideas every day to deliver THE SMART WAY™. The result? Safe, productive work sites – and the lowest total installed cost.