

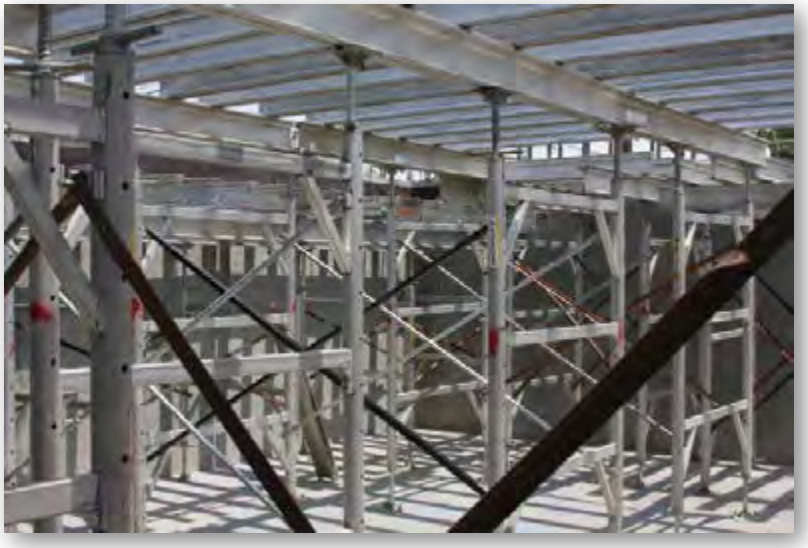
THE POWER OF RED™

FRAMEFAST™ SHORING SYSTEM

CONCRETE CONSTRUCTION SOLUTIONS

BROCHURE

SYMONS®
BY DAYTON SUPERIOR







The FrameFast shoring system is engineered for maximum strength, labor productivity and reuse capabilities.

The versatile FrameFast components feature high strength-to-weight ratios. Most components are light enough to be carried by one person, yet because of their strength, fewer pieces are needed. Less time and labor are required for set up and removal.

The system includes Heavy Duty Shore Frames, Adjustable Post Shores, and Aluminum Beams. These products are available in a wide range of sizes for virtually any deck forming application. A variety of special features and accessories make them faster and easier to use than competitive alternatives.

These shoring components provide a number of contractor advantages. Symons components have rated strengths at specified safety factors. The components are adaptable, extremely durable and reusable, providing long service for a wide variety of projects.

The simple, repetitive assembly of FrameFast shoring components offers contractors a ready means of boosting labor productivity and reducing concrete construction costs.

View the FrameFast™ Application Guide onlne for general instructions and technical information.

Unique Frame Details

FrameFast shoring frames are designed to provide maximum strength, versatility, and efficiency in virtually any shoring application.

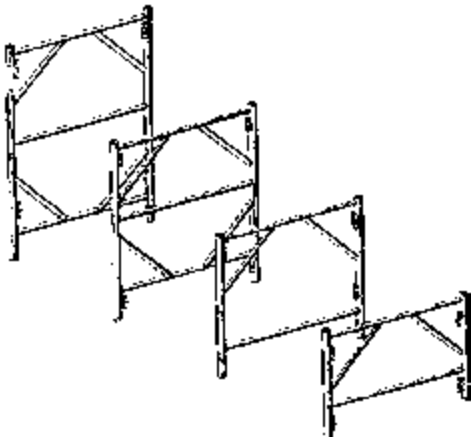
To ensure exceptional strength and durability, all Symons frames are constructed of welded, structural steel tubing having a minimum yield strength of 50,000 lbs./in^2. and a tensile strength of 75,000 lbs./in^2. A typical load capacity is 12,000 lbs./leg (2.5 to 1 safety factor) up to three tiers high.

Eight Shoring Frame sizes are available in 3', 4', 5' and 6' heights in both 2' and 4' widths.

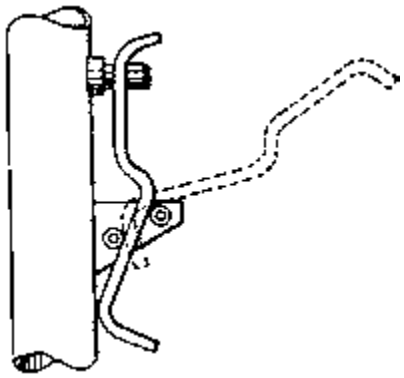
The patented Drop Lock permits frames to be erected and dismantled quickly. This heavy-gauge, heat-treated slotted clamp freely drops onto a stud and locks cross braces in position. This unique locking arrangement holds frames together more securely, providing maximum tower rigidity and shoring safety.

New frames use the Posilock crossbrace attachment method. Posilock offers the same quick assembly and dismantling advantages with a gravity locking feature.

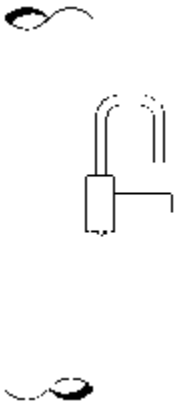




FrameFast Shoring Frames

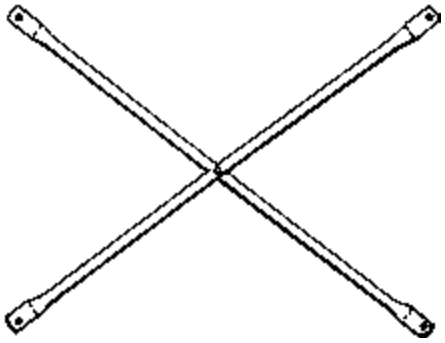


Drop Lock detail for attaching Crossbraces



Posilock detail for attaching Crossbraces

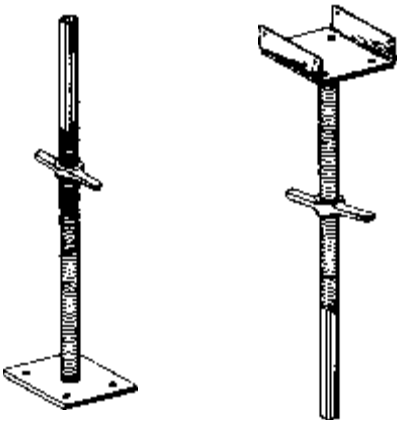
Frame Components



Crossbraces connect
Shoring Frames for tower rigidity



Coupling Pin used for stacking
heavy duty Shoring Frames



U-Head Adapter with Screw Jack
for Shoring Frames

Symons offers a comprehensive selection of shoring accessories, including Crossbraces, Coupling Pins, Base Plates, U-Heads and Screw Jacks for FrameFast.

Nine lengths of Crossbraces provide frame spacing from 3 to 15 feet. These Crossbraces stabilize the Shoring Frames for tower rigidity.

Heavy-duty Coupling Pins are used to align and connect frames on multi-tier shore tower assemblies. Base Plates are used at the bottom of these assemblies for stable footing.

With Screw Jacks top and bottom, FrameFast provides an exceptionally wide range of adjustment for concrete forming shoring applications.

The Screw Jack provides a maximum extension of 27¼". Screw Jacks are plated to help prevent rust and assure reliability.

A U-Head Adapter and Screw Jack can be bolted together to create an adjustable top support for stringers or beams.

These shoring accessories are designed exclusively for FrameFast, and can be adapted to almost any concrete deck shoring configuration.



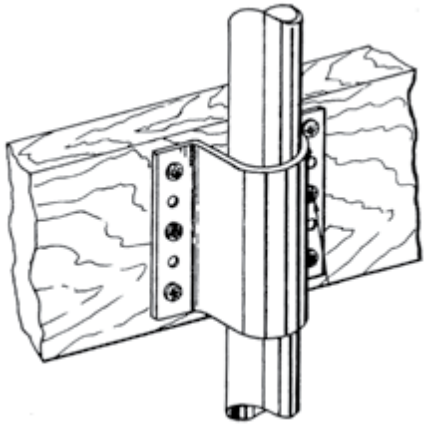
Guardrails
Guardrail components are available for worker fall protection. Alternative fall protection must be utilized before and during guardrail erection procedures.

Timber Brace Nailer Plate
The Timber Brace Nailer Plate permits the use of any width lumber (2" x 6" min.) to brace shore legs or post shore staffs of 2 3/8" O.D., providing a quick friction connection. A minimum of four 16d nails (clinched over in back) or screws per Timber Nailer Plate are required.

This plate enables lumber to be used for bracing multi-tiered towers together to increase stability.







Timber Nailer Plate



Aluminum Beams and Joists

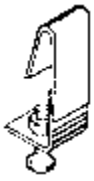




Aluminum Beam Aluminum Joist



Typical Attachment Clamp Detail





Steel Beam Clamp Friction Clamp

Aluminum Beams and Joists combine light weight, high strength, and a variety of cost-saving design features for joist and stringer shoring applications with FrameFast.

Aluminum Beams and Joists are available in a wide range of lengths with section heights of 7¼" and 6½". They are extruded from high-performance aluminum alloy and incorporate wide flanges for maximum stability.

These Aluminum Beams and Joists are stronger than most competitive products, so fewer are needed to support a given load. With fewer components to handle, the labor savings can be substantial.

Aluminum Beams are light weight and easily handled by just one worker. A 7¼" aluminum beam, 10' in length, weighs just 46 lbs compared to 89 lbs for a wood 4" x 10" of similar load capacity.

A special longitudinal bead provides integral web stiffening and a 5" wide bottom flange furnishes a solid base. This wide bottom flange is less likely to "roll over" while workers are installing the decking.

The Aluminum Beam Attachment Clamp secures Aluminum Beams and Joists to U-Heads or stringers. This specially designed clamp can be inserted at any point along the channel.

Other beam attachment options include the Steel Beam Clamp and the Friction Clamp



Heavy-duty Post Shores are available in three models providing adjustable shoring heights from 5'-7" to 16'. These Post Shores each carry load ratings up to 10,000 lbs (3 to 1 safety factor).

With this higher load rating, FrameFast™ Post Shores can often be spaced further apart, producing equipment and labor savings for the contractor.

Post Shores are quickly and safely set in place. They have a unique locking pin for approximate height adjustment. This pin is inserted into one of the holes spaced at 4" intervals along the length of the post. After the Post Shore is positioned, a threaded collar with a handle permits fine height adjustments over a 6" range.

Post Shores are easily stripped by using the Quick Release Collar. A single hammer blow on the collar drops the post approximately ½". With no load on the Post Shore, the handle is easily turned down to remove the post.

Post Shore accessories include a 4"x8" U-Head for supporting steel beams or aluminum joists. A 5" x 8" J-Head supports aluminum beams and a Timber Brace Nailer Plate laterally braces the shore.







Post Shore



SYMONS®
BY DAYTON SUPERIOR

1125 Byers Road
Miamisburg, OH 45342
937-866-0711
888-977-9600
WWW.SYMONS.COM

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