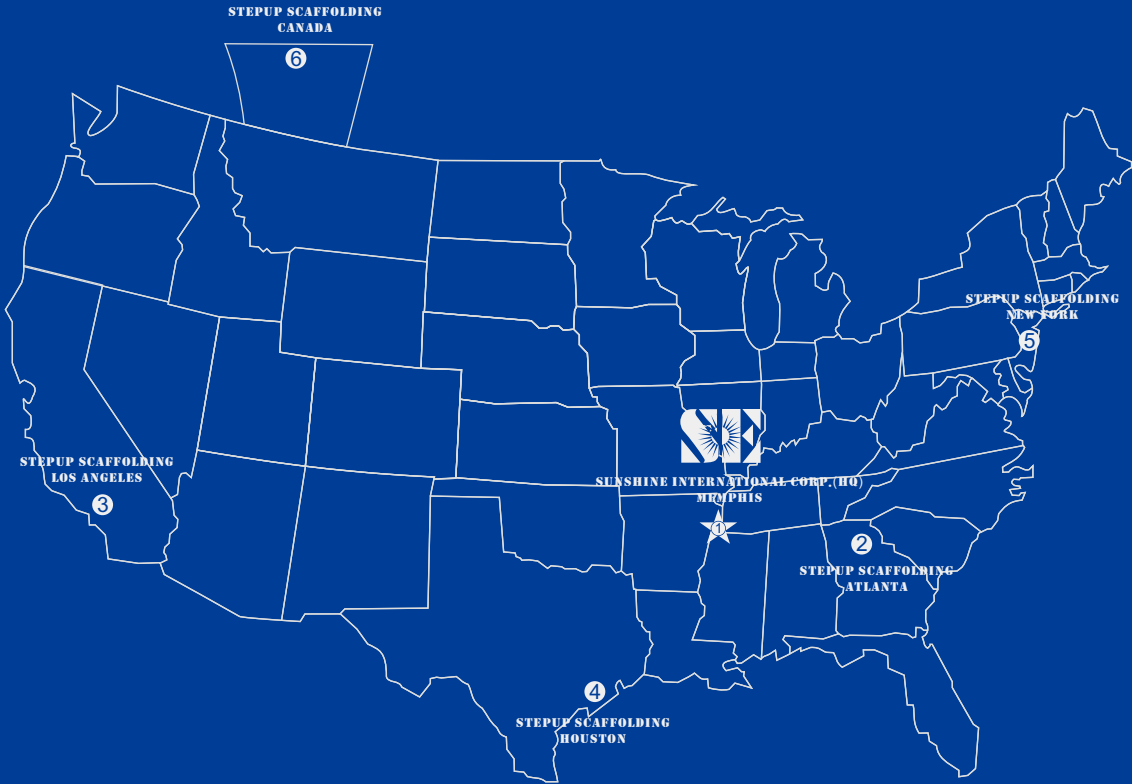


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STEPUP SCAFFOLD



**QUALITY · SERVICE · SATISFACTION
A SUNSHINE ENTERPRISE COMPANY**

MISSION

Our mission is to supply quality scaffold products at best possible prices and to achieve 100% customer satisfaction.

ABOUT US

Stepup Scaffold, a division of Sunshine Enterprise, was founded in August 1998 in Memphis, Tennessee. We have since expanded to become the fastest growing importer and distributor of full-line scaffolding products. Our service-oriented business model is built upon a Quality Assurance System(QAS) and an experienced Engineering Department, a state of art E-commerce website, a strategic network of 6 distribution centers across the U.S. and Canada, and knowledgeable customer service associates.

STEPUP's business model revolutionizes how business is conducted in the scaffold industry. By eliminating the additional distributor margins, we are able to allow the customer to realize huge savings by purchasing scaffolds at the lowest prices available in our distribution network.

STEPUP's business model is based on quality products guaranteed by Quality Assurance System. We are committed to 100% customer satisfaction



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More from our website
WWW.STEPUPSCAFFOLD.COM



QUALITY COMES FIRST

At Stepup, we provide solutions to your needs, not just products.

At Stepup, we are committed to consistently providing our customers with the best quality products and superior services on a timely basis. We accomplish this goal through adequate inventories, a sound business model, and dedicated employees.

QUALITY PRODUCTS

Our Quality Assurance System(QAS) is built into every process, from receipt of the order to final on-time delivery. QAS enables us to keep our promises to the customers and provide ongoing improvements.

Design

Quality products start with quality design. Safety is the highest priority in designing our products. Computer Aided Design(CAD) software enables our in-house engineers to design each and every part to the exact measurement. The designs are always sent to the customers for their approval before they are released for production.

Material

STEPUP proudly uses quality steel tube with a minimum yield and tensile strength from 50,000 PSI and up to 75,000 PSI, respectively, for all of its frame scaffolds. This assures our frame products to exceed OSHA and ANSI standards for steel scaffolding products.

Durability and Corrosion Resistance

To ensure the durability of our quality products, Powder Coating, Zinc Plating, and Hot-Dip Galvanizing are meticulously selected for coating different types of products for the best results. All of our frames are powder coated at 70 microns using the premium powders exclusively from Dupont. With adequate corrosion resistance, our products

generally exceed the expected design life.

SUPERIOR SERVICE

Our goal is 100% customer satisfaction. We always put the customer's needs first and keep our promises. In our mind," the customer is always right". We ensure customer satisfaction through providing the following:

Coverage - adequate inventories are systematically distributed in a network of 6 distribution centers strategically located throughout the U.S. and Canada This ensures on-time delivery for urgent product needs on the jobsites.

Flexibility - our comprehensive product line provides great flexibility and one-stop shopping for our customers. Customization capability ensures special-order products to match the existing inventory precisely.

Convenience - our state of the art website, www.stepupsccaffold.com, gives you 24-7 access to our product information and the convenience of placing orders online at any time.

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RECOMMENDED SCAFFOLDING ERECTION PROCEDURE

Introduction

This guide has been prepared by the Scaffolding, Shoring & Forming Institute to assist contractors, architects, engineers, dealers, erectors, and users, etc., for the proper use of scaffolding equipment. Scaffolding Safety Rules published by the Institute should be used in conjunction with this publication, as well as the instructions for the use of scaffolding provided by the manufacturer. Safety precautions and requirements prescribed by local, state, and federal agencies, including OSHA, must be followed at all times and persons working with scaffolding systems should be equipped with requisite safety devices. This procedure does not eliminate the needs for a trained, experienced, and competent scaffolding person supervising the design and erection of scaffolding onsite.

NOMENCLATURE

- Accessories—Those items other than frames and braces used to facilitate the construction of scaffolding towers and structures.
- Adjustment Screw—Device composed of a threaded screw and an adjusting handle used for the vertical adjustment of the scaffolding.
- Base Plate—A device used to distribute the leg load.
- Climbing Ladders—A separate ladder attached to the scaffolding structure or built into the scaffold frame.
- Casters—Wheels of a suitable dimension and unit designed to attach to the base of a tower and containing a brake to prevent the wheels from rotating.
- Coupling Pin—Device used to align and connect lifts or tiers together vertically.
- Cross-bracing—System of members connecting frames or panels of scaffolding to make a tower structure.
- Extension Device—Any device used to obtain vertical adjustment of scaffolding other than an adjustment screw.
- Factor of Safety—the ratio of ultimate load to the allowable load.
- Frame or Panel—the principal prefabricated, welded structural unit.
- Guardrail-A rail secured to uprights and erected along the exposed sides and ends of platforms.
- Horizontal Diagonal Bracing—Diagonal braces running horizontally between frames of scaffolding.
- Lifts or Tiers—The number of frames stacked one above each other in a direction.
- Locking Device—A device used to secure the cross brace to the panel.
- Putlog or Truss—A separate horizontal load carrying member.
- Rolling Towers—A composite structure of frames, braces, platforms, guardrails, and accessories supported by casters.
- Safe Leg Load—That load which can safely be directly imposed on the frame leg.
- Safe Scaffold Frame Horizontal Member Load— That load which can

safely be directly imposed on a horizontal member.

- Scaffolding Layout—An engineered drawing prepared prior to erection showing arrangement of equipment for proper scaffolding use.
- Side Bracket—A cantilevered arm unit, supported by the scaffolding frame.
- Sill or Mud Sill—A footing, usually wood, which distributes the vertical leg loads to the ground.
- Ties—A tension compression member used to securely attach scaffold to a structure.
- Toe board—A barrier secured along the sides and ends of a platform, to guard against the falling of material.
- Towers—A composite structure of frames, braces, and accessories.
- Ultimate Load—The maximum load which may be placed on the scaffolding causing failure by buckling of column members or yielding of some component.

These terms can be used synonymously.

INSPECTION OF SCAFFOLDING EQUIPMENT PRIOR TO ERECTION

The three main areas of inspection are for corrosion, straightness of members and welds. This applies to all components of a scaffolding system.

- CORROSION—Heavily rusted or eroded scaffolding equipment is a telltale sign of abuse or neglect.
- STRAIGHTNESS OF MEMBERS—Mishandling, trucking and storing may cause damage to scaffolding equipment. All scaffolding components should be straight and free from bends, kinks or dents.
- WELDS—Equipment should be checked before use for damaged welds and any piece of equipment showing damaged welds or rewelding beyond the original factory weld should not be used. The factory weld reference pertains to location and quality of rewelds. While CORROSION, STRAIGHTNESS, and WELDS are of primary concern other component parts should be checked.
- Locking devices on frames and braces shall be in good working order, and if not, must be repaired or replaced prior to use.
- Coupling pins must effectively align the frame or panel legs.
- Pivoted cross braces must have the center pivot securely in place.
- Caster Brakes shall be in good working order and if not must be repaired or replaced prior to use.

SAFE BEARING LOADS FOR SOILS

Considering that the allowable loads (bearing) on various soils and rock range from less than 1,000 p.s.f. to more than 50,000 p.s.f. care should be exercised in determining the capacity of the soil for every scaffolding job, realizing that weather conditions can turn an otherwise suitable ground condition into a hazardous situation. As an example, dry clay with an allowable bearing capacity of 8,000 p.s.f. could become very plastic after a rainfall and drop to less than 2,000 p.s.f.

Care should also be taken not to excessively disturb the soil. If fill is

required in areas where scaffolding is used, a qualified engineer should be consulted as to materials and compaction.

FOUNDATIONS

The purpose of a good foundation or mud sill is to distribute the scaffolding load over a suitable ground area. The size of the footing or sill is determined by the total load carried over a particular ground area, and by the nature of the soil supporting these sills.

The total load should be computed and the sills designed accordingly.

When scaffolding from earth or fill, the areas should be leveled and the sills spaced in a pattern assuring adequate stability for all scaffolding legs.

ERECTION OF FRAMES

The work of erecting the scaffolding should be under the supervision of a person with proper experience and aptitude for securing a safe installation and who is familiar with all Local, State and Federal Regulations concerning scaffolding, as well as the SSFI Scaffolding Safety Rules.

It shall be the responsibility of the person supervising the erection of the scaffold to see that all components and locking devices are in working order, and no damaged or deteriorated equipment is used in the setup. Should any scaffolding become damaged after the equipment has been erected, workmen shall not be allowed on same until the damaged items have been repaired or replaced.

Advanced planning will help the erection of scaffolding to progress smoothly. The equipment should be unloaded as close to the area of use as possible and should be arranged in the order it is to be used. Adjustment screws should be set to their approximate final adjustment before setting up the scaffolding. At this time, a person should check to see that all panels which require coupling pins have them. Consult safety rules as recommended by the Institute.

After erecting the first tier of scaffold frames, plumb and level (using instruments) all frames so that no matter how high the final scaffolding setup, the additional frames will also be in correct alignment.

As erection proceeds, securely tie all scaffolding to the structure at the ends and at least every 30' horizontally, and at height intervals not to exceed* 4 times the minimum base dimension. Free standing scaffold towers must be restrained from tipping by guying or other means. Scaffold frames must be fastened together at coupling pins where there is a possibility of uplift.

When scaffolds are to be partially or fully enclosed, specific precautions must be taken to assure frequency adequacy of ties attaching the scaffolding to the building due to increased load conditions resulting from effects of wind and weather. The scaffolding components to which the ties are attached must also be checked for additional loads.

When erecting additional lifts, always work from planking placed within the scaffold structure. Move planking as erection progresses.

PLANKING AND ACCESSORIES

Use only lumber that is properly inspected and graded for use as scaffold plank. Planking shall have at least 12" of overlap and extend 6" beyond center of support or be cleated at both ends to prevent sliding off support. Do not allow unsupported ends of plank to extend beyond supports. Secure plank to scaffolding when necessary.

All scaffold accessories shall be used and installed in accordance with the recommended procedures. Accessories shall not be altered in the field.

When installing hanger or clamp supported putlogs (trusses), care should be taken to see that they extend at least 6" beyond the point of support. Also, make sure that the proper bracing is placed between putlogs (trusses). When the span between supporting members is more than 12' additional bracing between the putlogs (trusses) and the supporting member may be required. Do not cantilever or extend putlogs (trusses) as side brackets without thorough consideration for loads to be applied or transmitted to the scaffold. When clamping putlogs, clamp capacity may control rather than putlog capacity.

All brackets should be seated correctly with side brackets parallel to the frames and the end brackets at 90 degrees to the frame. Brackets shall not be bent or twisted from normal position.

Equip all planked or staged areas with proper guard rails and add toe boards when required.

FINAL AND DAILY INSPECTION OF ERECTED SCAFFOLDING

The following is a list of check points to be covered when making a final and daily inspection of scaffolding prior to use. All points should be carefully checked to insure a safe and accident-free job and be periodically rechecked.

- 1. Check to see that there is proper support under every leg of every frame on the job. Check also for possible washout due to rain.
- 2. Check to make certain that all base plates and adjustment screws are in firm contact with their supports. All adjustment nuts should be snug against the legs of the frame.
- 3. Frames should be checked for plumbness in both directions.
- 4. If there is a gap between the lower end of one frame and the upper end of another frame it indicates that one adjustment screw must be adjusted to bring the frames in contact. If this does not help it indicates the frame is out of square and should be replaced.
- 5. Each leg of each frame should be cross braced to the corresponding leg of the next frame.
- 6. While checking the cross braces also check the locking devices to assure that they are all in their closed position or that they are all tight.
- 7. Check to be certain that all planking and accessories are properly installed.
- 8. Check to make certain all ties is secured between the structure and the scaffolding.
- 9. Check to be certain all guard rails are in place.
- 10. If scaffolding is enclosed; check to see that additional precautions have been taken as noted in Section of Erection. Recheck periodically ties, clamps, etc., for movement.
- 11. Insure that safe access to work platform(s) is provided.

DISMANTLING OF SCAFFOLDING

The work of dismantling scaffolding should be under the supervision of an individual with proper experience and aptitude. The following should be observed while dismantling.

- 1. Check to see if scaffolding has been structurally altered in any way

which would make it unsafe, and if so reconstruct where necessary before commencing with the dismantling procedures.

- 2. Dismantle scaffold from the top down. Begin by removing all accessories from that lift being dismantled at the time.
- 3. Always work from a minimum of two plank placed on the tier of frames below those being removed. Move the planking down as dismantling progresses.
- 4. Do not remove ties until dismantling has reached the tier to which they are attached.
- 5. Always stay within the inside of the scaffold. Do not climb on the outside for any reason when dismantling. Do not climb on ties, braces or unbraced frames.
- 6. Only remove fastening devices from bottom of frames being removed.
- 7. Lower scaffolding components in a safe manner as they are dismantled. A void dropping or throwing the components as this could result in damage to the equipment, or injury to personnel below.

ERECTION OF ROLLING TOWERS

When erecting rolling scaffolding towers, the following additional items apply. These items are in addition to the application portions of the preceding section.

- 1. Caster should be of adequate load capacity and size in relation to the height of the tower, the surface over which the tower is to be used and in accordance with all government, state, and local codes, ordinances, and regulations. Casters with plain stems shall be attached to the panel or adjustment screw by pins or other suitable means.
- 2. Do not extend adjusting screws on rolling towers more than 12".
- 3. The platform height shall not exceed* four (4) times the smallest base dimension unless guyed or otherwise stabilized.
- 4. Horizontal diagonal braces should be used near the bottom, top and at 20' intervals measured from the rolling surface.
- 5. When side brackets are used, consideration should be given to the overturning effect these brackets will have upon the stability of the tower.
- 6. Cross brace every lift-both sides.
- 7. Install guardrails.
- 8. Plank according to Plank and Accessories Section of Erection Procedure.

* EXCEPTIONS: Three times in California, Ohio, Oregon, Montana, Maine; 3-1/2 times in Washington.

FINAL INSPECTION OF ROLLING TOWERS

The following additional points should be checked when making a final inspection of rolling scaffold towers prior to their use. These points are in addition to the applicable items covered under the preceding section entitled, "Final Inspection of Erected Scaffolding."

- 1. Check to see that the platform height does not exceed* four (4) times the smallest base dimension unless the tower is properly guyed or otherwise stabilized.
- 2. Check to see that, if adjusting screws have been used, they are not extended more than 12".
- 3. Check to make sure the caster brakes are in good working condition

and are applied when tower is not being moved.

- 4. Inspect to make sure horizontal diagonal bracing has been placed near the bottom, top, and at 20' intervals measured from the rolling surface. A hook on manufac-tured platform properly attached to the top frame may be equivalent to the top horizontal diagonal brace.
- 5. Cross bracing has been installed on both sides of every lift.
- 6. Check the area in which the tower is to be used to insure there are no obstructions either in, on, or above the floor which will interfere with the proper and safe use of the rolling tower.
- 7. Check for guardrails.
- 8. Check to see that all planks and fabricated platforms are properly installed.
- 9. Insure that safe access to work platform(s) is provided.

REFER TO SCAFFOLDING, SHORING & FORMING INSTITUTE SCAFFOLDING SAFETY RULES BEFORE USING SCAFFOLDING. The procedures outlined in this Guide describe conventional procedures for erecting and dismantling scaffolding systems. However, equipment and systems differ and, accordingly, reference must always be made to the instructions and proce--dures of the supplier of the equipment. Since field conditions vary and are beyond the control of the Institute and its members, safe and proper use of this equipment is the responsibility of the user and not the Institute or its members. SCAFFOLDING AND SHORING INSTITUTE 1230 KEITH BUILDING CLEVELAND, OHIO 44115 125 TAYLOR PARKWAY ARCHBOLD, OHIO 43502

SCAFFOLDING SAFETY GUIDELINES

AS RECOMMENDED BY SCAFFOLDING, SHORING & FORMING INSTITUTE

It shall be the responsibility of all employers and employees to read and comply with the following common sense guidelines which are designed to promote safety in the erecting and dismantling of scaffolds. These guidelines do not purport to be all-inclusive nor to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. Local, State or Federal statute or regulations shall supersede these guidelines if there is a conflict and it is the responsibility of each employee to comply.

GENERAL GUIDELINES

I. POST THESE SCAFFOLDING SAFETY GUIDELINES in a conspicuous place and be sure that all persons who erect, dismantle or use scaffolding are aware of them.

II. FOLLOW ALL STATE, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS pertaining to scaffolding because they may be more restrictive. For example, height or width requirements may vary.

III. SURVEY THE JOB SITE—A survey shall be made of the job site for hazards, such as untamped earth fills, ditches, debris, high tension wires, unguarded openings, and other hazardous conditions created by other trades. These conditions shall be corrected or avoided as noted in the following sections.

IV. INSPECT ALL EQUIPMENT BEFORE USING—Never use any equipment that is damaged or defective in any way.

V. KEEP ALL EQUIPMENT IN GOOD REPAIR—Avoid using corroded equipment—the strength of corroded equipment is not known.

VI. INSPECT ERECTED SCAFFOLDS DAILY—or at the beginning of every shift to be sure that they are maintained in safe condition.

VII. NEVER USE EQUIPMENT FOR PURPOSES OR IN WAYS FOR WHICH IT WAS NOT INTENDED.

VIII. REPORT ANY UNSAFE CONDITION. NEVER TAKE CHANCES—Do not work on scaffolds if your physical condition is such that you feel dizzy or unsteady in any way.

IX. WORKING UNDER THE INFLUENCE OF ALCOHOL OR ILLEGAL DRUGS IS STRICTLY PROHIBITED.

GUIDELINES FOR ERECTION AND USE OF SCAFFOLDS

A. PROVIDE ADEQUATE SILLS for scaffold posts and use base plates.

B. USE ADJUSTING SCREWS for other approved conditions.

C. PLUMB AND LEVEL ALL SCAFFOLDS as the erection proceeds. Do not force braces to fit—level the scaffold until proper fit can be made easily.

D. BRACING. Each frame or panel shall be braced by horizontal bracing, cross bracing, diagonal bracing or any combination thereof for securing vertical members together laterally.

E. DO NOT CLIMB CROSS BRACES. Use only an access (climbing) ladder, access steps, frame designed to be climbed or equivalent safe access to scaffold.

F. TIE RUNNING SCAFFOLD TO WALL or structure when the height exceeds* four (4) times the minimum scaffold base dimension. The first vertical and longitudinal tie shall be placed at this point. Vertical ties shall be repeated at intervals not greater than 26 feet. Longitudinal ties shall be placed at each end and at intervals not greater than 30 feet. Ties must prevent the scaffold from tipping into or away from the wall or structure.

G. WHEN SCAFFOLDS ARE TO BE PARTIALLY OR FULLY ENCLOSED, specific precautions must be taken to assure frequency and adequacy of ties attaching the scaffolding to the building due to increased load conditions resulting from effects of wind and weather. The scaffolding components to which the ties are attached must also be checked for additional loads.

H. WHEN FREE STANDING SCAFFOLD TOWERS exceed* four times their minimum base dimension vertically, they must be restrained from tipping.

I. DO NOT ERECT SCAFFOLDS NEAR ELECTRICAL POWER LINES UNLESS PROPER PRECAUTIONS ARE TAKEN. Consult the power service company for advice.

J. DO NOT USE ladders or makeshift devices on top of scaffolds to increase the height.

K. DO NOT EXCEED THE INTENDED LOAD RATING.

L. EQUIP AND MAINTAIN ALL PLATFORMS with proper guardrails, mid-rails, and toeboards along all open sides and ends of scaffold platforms.

M. ALL BRACKETS shall be seated correctly with side brackets parallel to the frames and end brackets at 90 degrees to the frames. Brackets shall not be bent or twisted from normal position. Brackets (except mobile brackets designed to carry materials) are to be used as work platforms only and shall not be used for storage of material or equipment. When brackets are used, the scaffold shall be tied to the structure or otherwise restrained to prevent tipping.

N. ALL SCAFFOLDING ACCESSORIES shall be used and installed in accordance with the recommended procedure. Accessories shall not be altered in the field. Scaffolds, frames and their components of various manufacturers shall not be intermixed.

O. FOR PLANKING, THE FOLLOWING GUIDELINES APPLY:

1. Use only lumber that is properly inspected and graded as scaffold plank.
2. Planking shall have at least 12 inches of overlap and extend 6 inches beyond center of support, or, be cleated at both ends to prevent sliding off supports.
3. Fabricated scaffold planks and platforms, unless created or restrained by hooks, shall extend over their end supports not less than 6 inches nor more than 12 inches.

4. Secure plank to scaffold when necessary.

P. FOR ROLLING SCAFFOLDS THE FOLLOWING ADDITIONAL GUIDELINES APPLY.

1. CASTERS WITH PLAIN STEMS shall be attached to the panel or adjustment screw by pins or other suitable means.
2. DO NOT EXTEND ADJUSTING SCREWS ON ROLLING SCAFFOLDS MORE THAN 12 INCHES.
3. WHEELS OR CASTERS shall be provided with a locking device and kept locked during erection and dismantling or any time scaffolds are not being moved.

4. SECURE OR REMOVE ALL MATERIAL AND EQUIPMENT from platform before moving scaffold.

5. USE HORIZONTAL DIAGONAL BRACING near the bottom and at 20 foot intervals measured from the rolling surface.

6. DO NOT USE brackets or other platform extensions without consideration of overturning effect.

7. THE HEIGHT OF A ROLLING SCAFFOLD excluding its uppermost guardrails, must not exceed* four times its smallest base dimension unless it is stabilized by an engineered counterweight system or some other equivalent means.

8. CLEAT OR SECURE ALL PLANKS.

9. DO NOT ATTEMPT TO MOVE A ROLLING SCAFFOLD WITHOUT SUFFICIENT HELP—watch out for holes in floor and overhead obstructions—stabilize against tipping.

10. DO NOT RIDE ROLLING SCAFFOLDS.

11. JOINTS shall be restrained from separation.

Q. FOR "PUTLOGS" AND "TRUSSES" the following additional guidelines apply.

1. DO NOT CANTILEVER OR EXTEND PUTLOGS/TRUSSES as side brackets without thorough consideration for loads to be applied.

2. PUTLOGS/TRUSSES SHOULD BE EXTENDED AT LEAST 6 inches beyond point of support.

3. PLACE RECOMMENDED BRACING BETWEEN PUTLOGS/TRUSSES when the span of putlog/truss is more than 12 feet.
R. WHEN DISMANTLING SCAFFOLDING THE FOLLOWING ADDITIONAL GUIDELINES APPLY:

1. CHECK TO SEE IF SCAFFOLDING HAS BEEN STRUCTURALLY ALTERED in any way which would make it unsafe, and if so, reconstruct where necessary before commencing with dismantling procedures.

2. VISUALLY INSPECT PLANK prior to dismantling to be sure that they are safe to work on.

3. COMPONENTS SHOULD BE LOWERED as soon as dismantled in safe manner so as to protect personnel below.

4. DO NOT ACCUMULATE EXCESS COMPONENTS OR EQUIPMENT on the

level being dismantled.

5. DISMANTLED EQUIPMENT should be stockpiled in an orderly manner.

S. FOLLOW ERECTION PROCEDURES AND USE MANUALS.

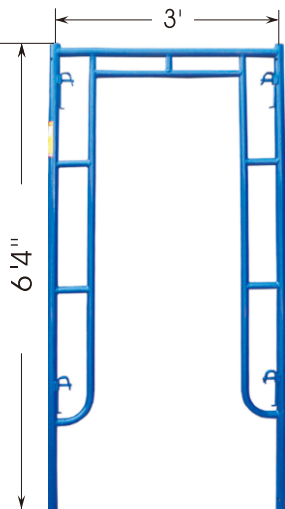
* EXCEPTIONS: Three times in California, Ohio, Oregon, Montana, Maine; 3-1/2 times in Washington.

"These safety guidelines set forth common sense procedures for safely erecting and dismantling scaffolding equipment. However, equipment and scaffolding systems differ, and accordingly, reference must always be made to the instructions and procedures of the supplier of the equipment. Since field conditions vary and are beyond the control of the Institute, safe and proper use of scaffolding is the responsibility of the user and not the Institute." Reprinting of this publication does not imply approval of product by the Institute or indicate membership in the Institute. Permission to reproduce in entirety can be obtained from Scaffolding, Shoring & Forming Institute, 1230 Keith Bldg., Cleveland, Ohio 44115.

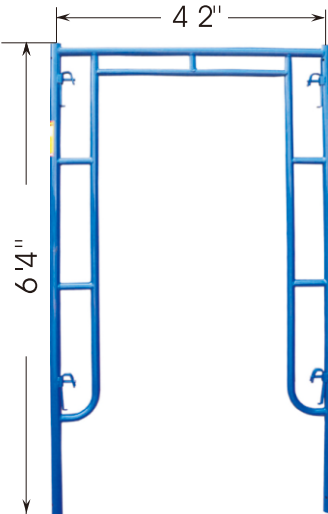
Frames

Through Frames

- ▣ Tube OD: 1.69"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

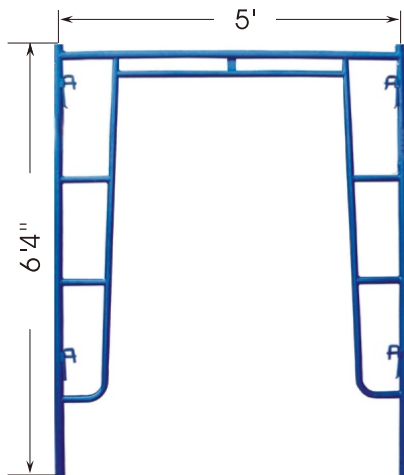


TF6H-3W-L5



TF6H-42W-L5

V-lock Through Frames



TF6H-5W-L5

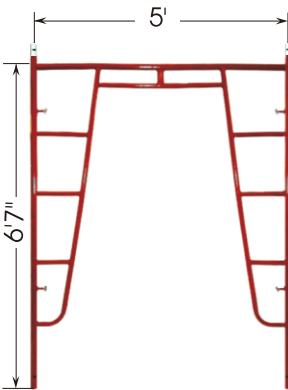
V-lock Through Frames			
Item No.	Description	Stud Center	Weight(lbs)
TF6H-3W-L5	6'4"H×3'W WITH V-LOCK	4'	41
TF6H-42W-L5	6'4"H×42'W WITH V-LOCK	4'	41
TF6H-5W-L5	6'4"H×5'W WITH V-LOCK	4'	46
TF7H-6W-L5	SIDEWALK CANOPY FRAME WITH V-LOCK	2', 4'	57

Frames

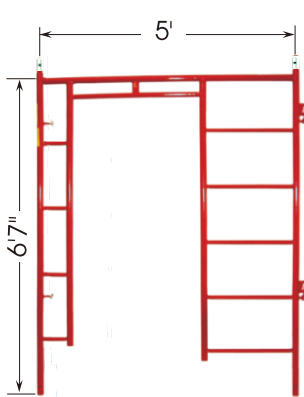
Through Frames

- ▣ Tube OD: 1.625"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Mighty Through Frames



TF6H-5W-L2-M

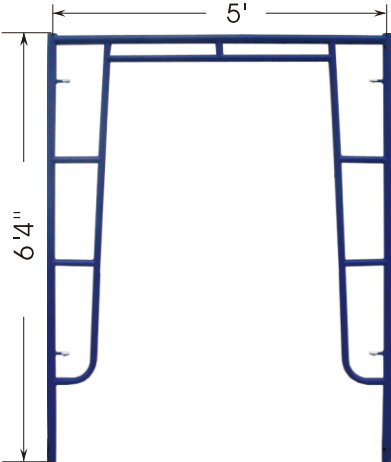


TFL6H-5W

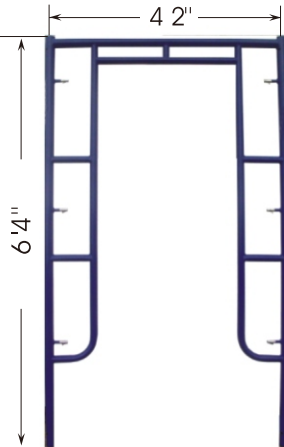
Drop-lock Through Frames		
Item No.	Description	Weight(lbs)
TF6H-3W-L3	6'4"H×3'W WALK THROUGH FRAME WITH DROP LOCK	40
TF6H-42W-L3	6'4"H×42'W WALK THROUGH FRAME WITH DROP LOCK	41
TF6H-5W-L3	6'4"H×5'W WALK THROUGH FRAME WITH DROP LOCK	45

Mighty Through Frames		
Item No.	Description	Weight(lbs)
TF6H-5W-L2-M	6'7"H×5'W WALK THRU FRAME-FLIP LOCK-MIGHTY STYLE	48
TFL6H-5W	6'7"H×5'W WALK THRU FRAME W/22" LADDER-MIGHTY STYLE	59.6

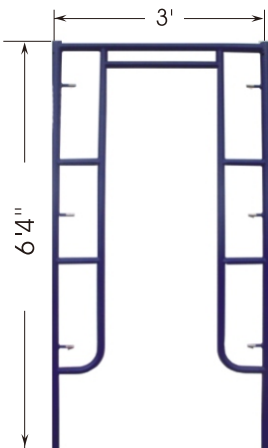
Drop-lock Through Frames



TF6H-5W-L3



TF6H-42W-L3

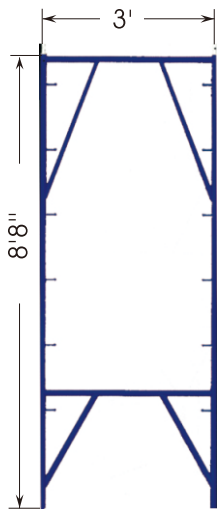


TF6H-3W-L3

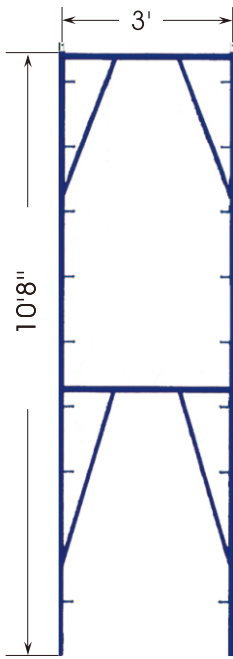
Frames

West Coast Style

- ❑ Tube OD: 1.625"
- ❑ 13 Gauge Tube
- ❑ Carbon Steel
- ❑ Powder-Coated
- ❑ Minimum Yield Strength: 50,000 PSI
- ❑ Minimum Tensile Strength: 65,000 PSI

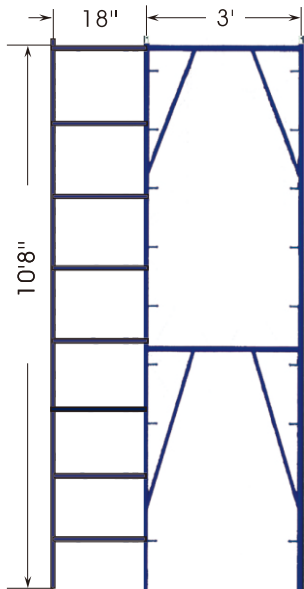


AF8H-3W-L4



AF10H-3W-L4

Apartment Frames



AFLR10H-3W-L4

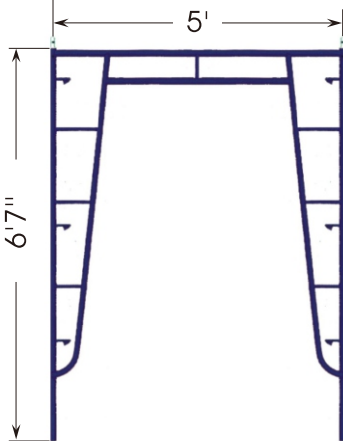
Apartment Frames		
Item No.	Description	Weight(ibs)
AF8H-3W-L4	8'8"H×3'W SNAP-ON APARTMENT FRAME, W/CP & RP	47
AF10H-3W-L4	10'8"H×3'W SNAP-ON APARTMENT FRAME, W/CP & RP	54
AF11H-3W-L4	11'8"H×3'W SNAP-ON APARTMENT FRAME, W/CP & RP	57
AF8H-2W-L4	8'8"H×2'W SNAP-ON APARTMENT FRAME, W/CP & RP	42
AF10H-2W-L4	10'8"H×2'W SNAP-ON APARTMENT FRAME, W/CP & RP	51
AFLR10H-3W-L4	10'8"H×3'W SNAP-ON APARTMENT FRAME WITH 18" LADDER, W/CP & RP	82
AFLR11H-3W-L4	11'8"H×3'W SNAP-ON APARTMENT FRAME WITH 18" LADDER, W/CP & RP	88

Frames

West Coast Style

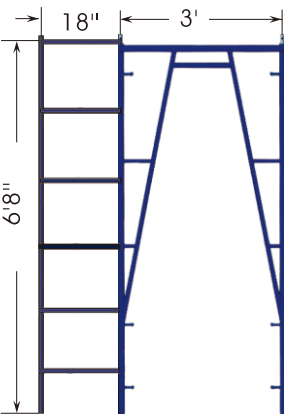
- ❑ Tube OD: 1.625"
- ❑ 13 Gauge Tube
- ❑ Carbon Steel
- ❑ Powder-Coated
- ❑ Minimum Yield Strength: 50,000 PSI
- ❑ Minimum Tensile Strength: 65,000 PSI

Flip Lock Frames

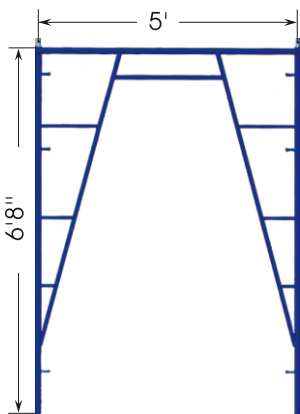


TF6H-5W-L2

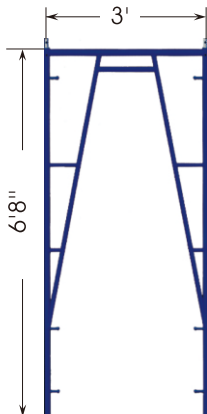
Snap-on Frames



TFLR6H-3W-L4



TF6H-5W-L4



TF6H-3W-L4

Flip Lock Frames		
Item No.	Description	Weight(ibs)
TF6H-5W-L2	6'7"H×5'W WALK THRU FRAME, FLIP LOCK, W/CP & SC	48
TF6H-3W-L2	6'7"H×3'W WALK THRU FRAME, FLIP LOCK, W/CP & SC	42

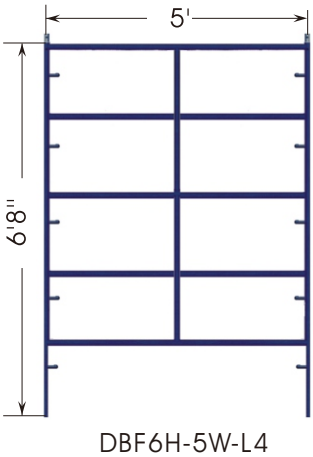
Snap-on Frames		
Item No.	Description	Weight(ibs)
TF6H-3W-L4	6'8"H×3'W SNAP-ON WALK THRU FRAME, W/CP & RP	34
TF6H-5W-L4	6'8"H×5'W SNAP-ON WALK THRU FRAME, W/CP & RP	42
TF6H-2W-L4	6'8"H×2'W SNAP-ON WALK THRU FRAME, W/CP & RP	31.75
TF4H-3W-L4	4'H×3'W SNAP-ON WALK THRU FRAME, W/CP & RP	22
TF5H-3W-L4	5'H×3'W SNAP-ON WALK THRU FRAME, W/CP & RP	29
TFLR6H-3W-L4	6'8"H×3'W SNAP-ON WALK THRU FRAME, WITH 18" LADDER, W/CP & RP	52

Frames

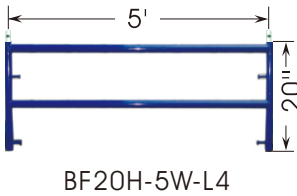
West Coast Style

- ▣ Tube OD: 1.625"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

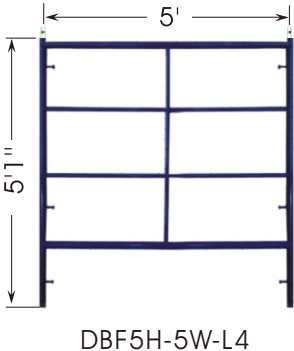
Sanp-on Box Frames



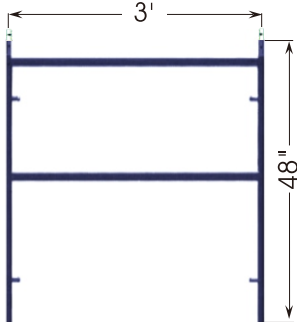
DBF6H-5W-L4



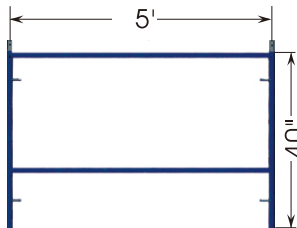
BF20H-5W-L4



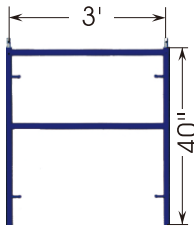
DBF5H-5W-L4



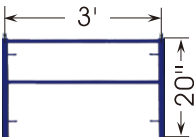
BF4H-3W-L4



BF40H-5W-L4



BF40H-3W-L4



BF20H-3W-L4

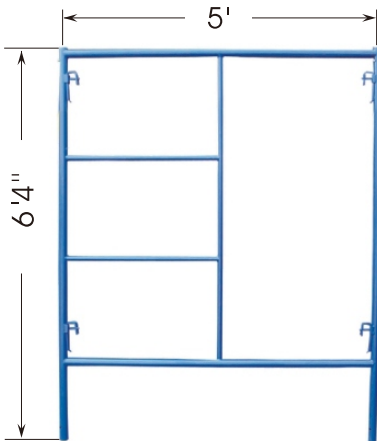
Snap-on Box Frames		
Item No.	Description	Weight(ibs)
BF20H-2W-L4	20"H X 2'W SNAP-ON BOX FRAME, W/CP & RP	14
BF20H-5W-L4	20"H X 5'W SNAP-ON BOX FRAME, W/CP & RP	23
BF20H-3W-L4	20"H X 3'W SNAP-ON BOX FRAME, W/CP & RP	15
BF40H-3W-L4	40"H X 3'W SNAP-ON BOX FRAME, W/CP & RP	21
BF40H-5W-L4	40"H X 5'W SNAP-ON BOX FRAME, W/CP & RP	26
BF40H-2W-L4	40"H X 2'W SNAP-ON BOX FRAME, W/CP & RP	18
BF4H-3W-L4	4'H X 3'W SNAP-ON BOX FRAME, W/CP & RP	23
DBF6H-5W-L4	6'8"H X 5'W SNAP-ON DOUBLE BOX FRAME, W/CP & RP	53
DBF5H-5W-L4	5'H X 5'W SNAP-ON DOUBLE BOX FRAME, W/CP & RP	42

Frames

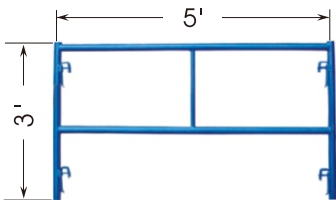
Mason Frames

- ▣ Tube OD: 1.69"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

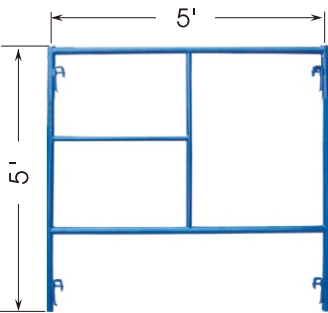
V-lock Mason Frames



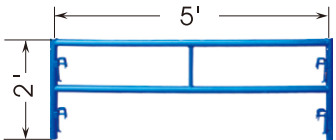
MF6H-5W-L5



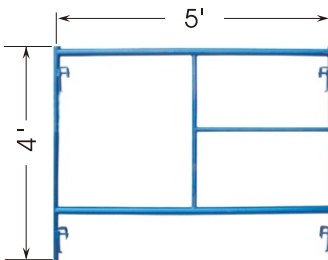
MF3H-5W-L5



MF5H-5W-L5



MF2H-5W-L5



MF4H-5W-L5

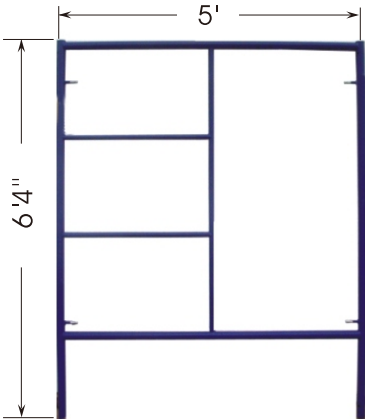
V-lock Mason Frames			
Item No.	Description	Stud center	Weight(ibs)
MF2H-5W-L5	2'H X 5'W WITH V-LOCK	1'	25
MF3H-5W-L5	3'H X 5'W WITH V-LOCK	2'	28
MF4H-5W-L5	4'H X 5'W WITH V-LOCK	3'	35
MF5H-5W-L5	5'H X 5'W WITH V-LOCK	4'	39
MF6H-5W-L5	6'4"H X 5'W WITH V-LOCK	4'	47

Frames

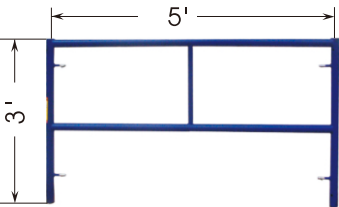
Mason Frames

- ▣ Tube OD: 1.69"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

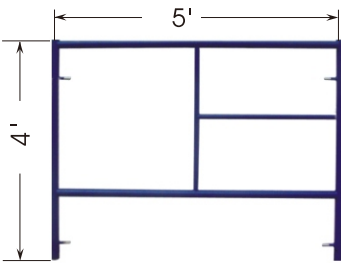
Drop-lock Mason Frames



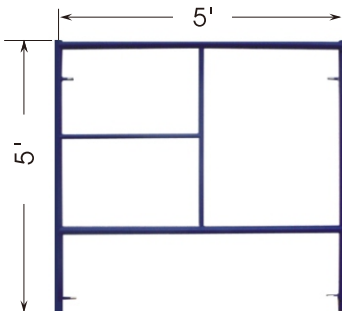
MF6H-5W-L3



MF3H-5W-L3



MF4H-5W-L3



MF5H-5W-L3

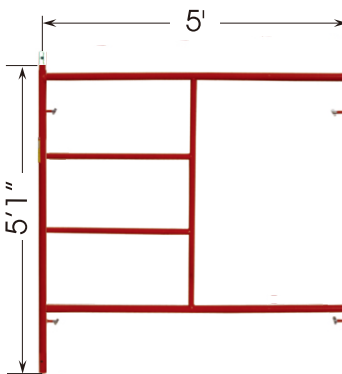
Drop-lock Mason Frame		
Item No.	Description	Weight(ibs)
MF3H-5W-L3	3'H×5'W WITH D-LOCK	27
MF4H-5W-L3	4'H×5'W WITH D-LOCK	33
MF5H-5W-L3	5'H×5'W WITH D-LOCK	37
MF6H-5W-L3	6'4"H×5'W WITH D-LOCK	45

Frames

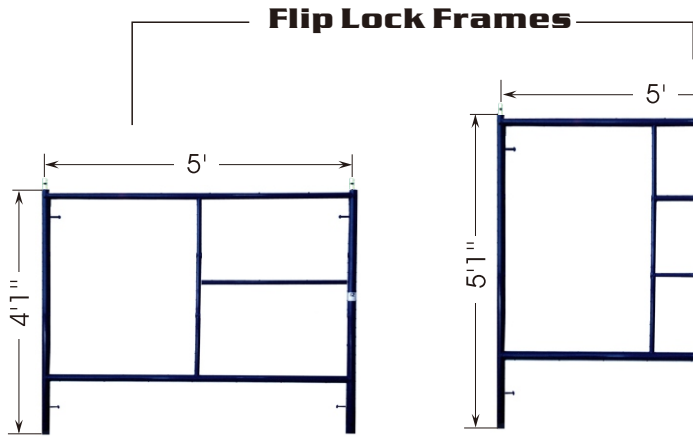
Mason Frames

- ▣ Tube OD: 1.625"
- ▣ 13 Gauge Tube
- ▣ Carbon Steel
- ▣ Powder-Coated
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Mighty Mason Frames

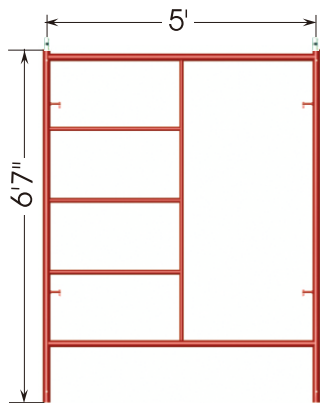


MF5H-5W-L2-M



BF4H-5W-L2

BF5H-5W-L2



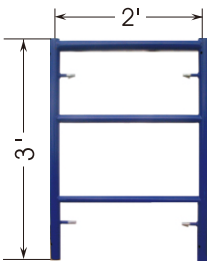
MF6H-5W-L2-M

Mighty Mason Frames		
Item No.	Description	Weight(ibs)
MF5H-5W-L2-M	5'×5'1" MASON FRAME-FLIP LOCK-MIGHTY STYLE	42
MF6H-5W-L2-M	5'×6'7" MASON FRAME-FLIP LOCK-MIGHTY STYLE	48
Flip Lock Frames		
Item No.	Description	Weight(ibs)
BF5H-5W-L2	5'×5'1" SINGLE BOX FRAME FLIP LOCK, FLIP LOCK,W/CP & SC	40
BF4H-5W-L2	5'×4'1" SINGLE BOX FRAME FLIP LOCK, FLIP LOCK,W/CP & SC	33

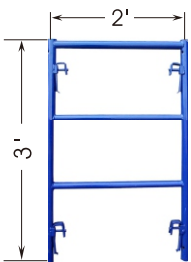
Narrow Frames

Mason Frames

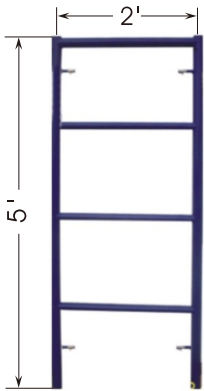
- ❑ Tube OD: 1.69"
- ❑ 13 Gauge Tube
- ❑ Carbon Steel
- ❑ Powder-Coated
- ❑ Minimum Yield Strength: 50,000 PSI
- ❑ Minimum Tensile Strength: 65,000 PSI



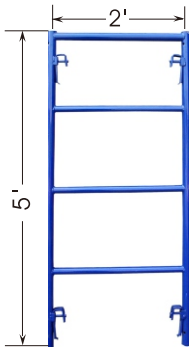
NF3H-2W-L3



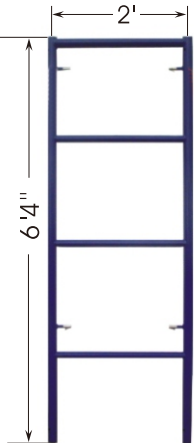
NF3H-2W-L5



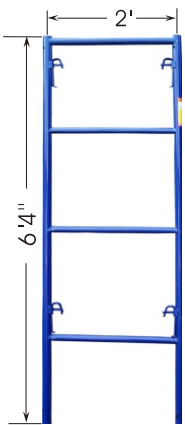
NF5H-2W-L3



NF5H-2W-L5



NF6H-2W-L3



NF6H-2W-L5

Drop-lock Narrow Frames

V-lock Narrow Frames

D-lock Narrow Frames

Item No.	Description	Stud center	Weight(lbs)
NF3H-2W-L3	NARROW FRAME 3'H X 2'W WITH D-LOCK	2'	16.8
NF5H-2W-L3	NARROW FRAME 5'H X 2'W with D-Lock	4'	25.1
NF6H-2W-L3	NARROW FRAME 6'4"H X 2'W with D-Lock	4'	29.4

V-lock Narrow Frames

Item No.	Description	Stud center	Weight(lbs)
NF3H-2W-L5	NARROW FRAME 3'H X 2'W with V-Lock	2'	18
NF5H-2W-L5	NARROW FRAME 5'H X 2'W with V-Lock	4'	26
NF6H-2W-L5	NARROW FRAME 6'4"H X 2'W with V-Lock	4'	31

Accessories

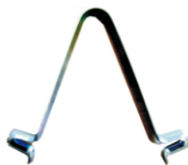
Locking Pins



PTP



SP



SC



GP



RP

Coupling Pin



CP-S



CP6-1



CP7-1



CP6-0



CP6-8

Locking Pins

Item No.	Description	Weight(lbs)
PTP	PIG TAIL PIN	0.20
SP	SPAN PIN	0.12
SC	SPRING CLIP	0.045
GP	3" GRAVITY PIN (TOGGLE PIN)	0.13
RP	ROLL PIN	0.04

Coupling Pin

Item No.	Description	Weight(lbs)
CP-S	SADDLE COUPLING PIN	5.70
CP6-1	COUPLING PIN WITH 1" COLLAR (1 3/8"OD)	0.99
CP7-1	COUPLING PIN WITH 1" COLLAR FOR 1.69" TUBE (1 7/16"OD)	1.01
CP6-0	COUPLING PIN WITHOUT COLLAR FOR 1.625" TUBE (1 3/8"OD)	0.62
CP6-8	COUPLING PIN WITH 1/8" COLLAR FOR 1.625" TUBE (1 3/8"OD)	0.64

A ccessories

Casters



C8R



C5R

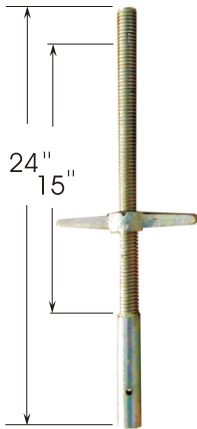


C8P

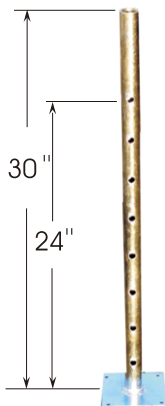


SCU12

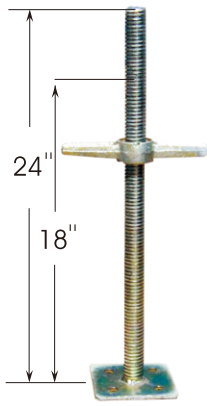
Galvanized Screw Jack And Base Plate



SJ1S



BP-E24



SJ1P



BP3



BP2



BP1

Casters		
Item No.	Description	Weight(ibs)
C8R	8"HEAVY DUTY CASTER	12.35
C5R	5"HEAVY DUTY CASTER	4.95
C8P	8" CASTER IRON WHEEL CASTER, 1000LBS RATING	12
SCU12	12" SYSTEM CASTER-URETHANE	44.1

Galvanized Screw Jack And Base Plate		
Item No.	Description	Weight(ibs)
SJ1S	24"SCREW JACK WITH SOCKET, 15" ADJUSTABLE	12
BP-E24	24"EXTENSION BASE PLATE	4.3
SJ1P	24"SCREW JACK WITH BASE PLATE, 18" ADJUSTABLE	13
BP3	COVER BASE PLATE	2.4
BP2	SWIVEL BASE PLATE	2.85
BP1	BASE PLATE-FIXED	2

A ccessories

Guard Rail

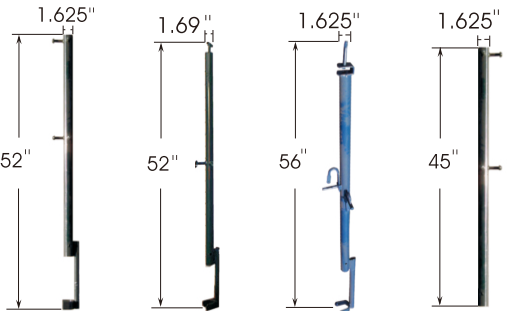


SNAP-ON GUARD RAIL

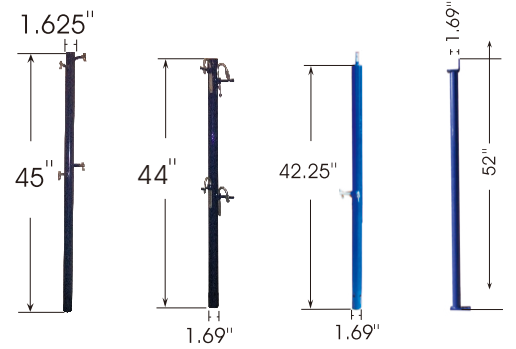


PUNCH-HOLE GUARD RAIL

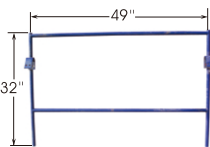
Guard Rail Post



GRPT-L4 GRPT-L2 GRPT-L1 GRPL-L2



GRPF-L2 GRPF-L1 GRPF-L2-N WTC



TFGR

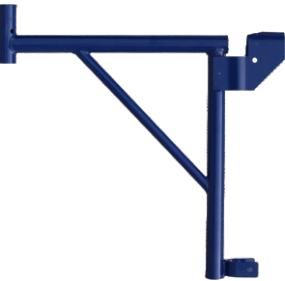
Guard Rail (Punch-hole Guard Rail)			
Item No.	Description	Tube	Weight(ibs)
GR2	GUARD RAIL 2'	1"	1.75
GR3	GUARD RAIL 3'	1"	2.50
GR4	GUARD RAIL 4'	1"	3.30
GR5	GUARD RAIL 5'	1"	4.05
GR6	GUARD RAIL 6'	1"	4.85
GR7	GUARD RAIL 7'	1"	5.60
GR8	GUARD RAIL 8'	1"	6.41
GR10	GUARD RAIL 10'	1"	7.97

Guard Rail (Snap-on Guard Rail)		
Item No.	Description	Weight(ibs)
GR3-SO	3' SNAP-ON GUARD RAIL	3.25
GR5-SO	5' SNAP-ON GUARD RAIL	4.80
GR7-SO	7' SNAP-ON GUARD RAIL	6.40
GR10-SO	10' SNAP-ON GUARD RAIL	11.00

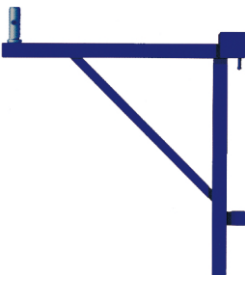
Guard Rail Post		
Item No.	Description	Weight(ibs)
GRPT-L4	SNAP-ON GUARD RAIL POST WITH TAIL	7.20
GRPT-L2	GUARD RAIL POST WITH TAIL, FLIP LOCK	7.85
GRPT-L1	GUARD RAIL POST WITH TAIL W LOCK	8.60
GRPL-L2	GUARD RAIL LINE POST-FEMALE, FLIP LOCK	6.05
GRPF-L2	GUARD RAIL POST FEMALE WITH F LOCK	6.30
GRPF-L1	GUARD RAIL POST FEMALE, W LOCK	7.95
GRPF-L2-N	GUARD RAIL POST FEMALE, FLIP LOCK	6.15
WTC	WALL TYING COMPONENT	8.01
TFGR	WALKTHROUGH FRAME GUARD RAIL PANEL	12

A ccessories

Side Brackets



SIDE BRACKET



SBCP



SBAS



END BRACKET

End Brackets

Folding Trestle

Side Brackets		
Item No.	Description	Weight(ibs)
SB30-SH	30"SIDE BRACKET SADDLE HANGER	14
SB20-HH-N	20"SIDE BRACKET WITH HOOK HANGER,NEWYORK STYLE	11
SB20-SH	20"SIDE BRACKET W/ SADDLE HANGER	10
SB20-HH-H	20"SIDE BRACKET WITH HOOK HANGER,HOUSTON	6.85
SBCP-12	12"SIDE BRACKET WITH COUPLING PIN	5.65
SBCP-20	20"SIDE BRACKET WITH COUPLING PIN	12
SBCP-24	24"SIDE BRACKET WITH COUPLING PIN	13
SBCP-36	36"SIDE BRACKET WITH COUPLING PIN	20
SBAS-20	20"ANGLE LRON SIDE BRACKET WITH STUD	11
SB20-SH-M	20"SIDE BRACKET,MIGHTY STYLE	9.70

End Brackets		
Item No.	Description	Weight(ibs)
EB20-HH	20"END BRACKET WITH HOOK HANGER	11
EB30-HH	30"END BRACKET WITH HOOK HANGER	14.63

Folding Trestle		
Item No.	Description	Weight(ibs)
FT2	2' FOLDING TRESTLE	15
FT3	3' FOLDING TRESTLE	19
FT4	4' FOLDING TRESTLE	25
FT6	6' FOLDING TRESTLE	41
FTE2	2' FOLDING TRESTLE EXTENSION	13
FTE3	3' FOLDING TRESTLE EXTENSION	17



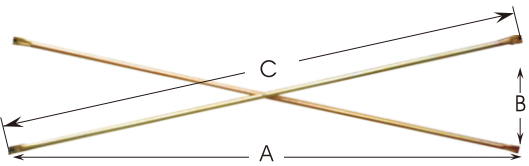
FT6



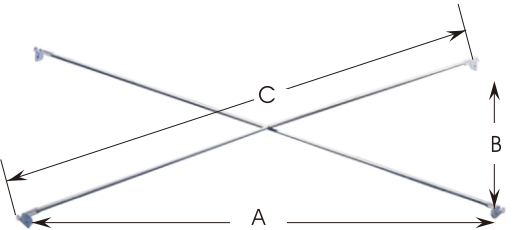
FT4

A ccessories

Cross Braces



PUNCH-HOLE CROSS BRACES



SNAP-ON CROSS BRACES

Goosers



End Rail-hooked



Cross Braces (Punch-hole Cross Braces)				
Item No.	A	B	C	Weight(ibs)
B52	5'	2'	5'4,62"	9.05
B72	7'	2'	7'34,37"	12
B82	8'	2'	8'2,93"	14
B102	10'	2'	10'2,37"	17
B53	5'	3'	5'10"	9.75
B73	7'	3'	7'3,37"	13
B83	8'	3'	8'6,5"	14
B103	10'	3'	10'5,25"	17
B54	5'	4'	6'4,810"	11
B64	6'	4'	7'11,20"	12
B74	7'	4'	8.075"	13
B84	8'	4'	8'11,31"	15
B104	10'	4'	10'9.25	17

Cross Braces (Snap-on Cross Braces)					
Item No.	Description	A	B	C	Weight(ibs)
B532-SO	SNAP-ON CROSS BRACE	5'	32"	5'8"	11
B54-SO	SNAP-ON CROSS BRACE	5'	48"	6'5"	12
B732-SO	SNAP-ON CROSS BRACE	7'	32"	7'1"	14
B74-SO	SNAP-ON CROSS BRACE	7'	48"	8'1"	15
B1032-SO	SNAP-ON CROSS BRACE	10'	32"	10'4"	18
B104-SO	SNAP-ON CROSS BRACE	10'	48"	10'9"	19

GOOSERS		
Item No.	Description	Weight(ibs)
G3	3' GOOSER, GALVANIZED	2.85
G5	5' GOOSER, GALVANIZED	3.85
G7	7' GOOSER, GALVANIZED	4.85
G10	10' GOOSER, GALVANIZED	6.30
G7-5	7'X5' DIAGONAL GOOSER, GALVANIZED	5.65
G10-5	10'X5' DIAGONAL GOOSER, GALVANIZED	6.90

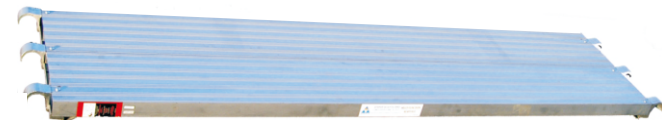
End Rail-hooked		
Item No.	Description	Weight(ibs)
ERH30	30"END RAIL-HOOKED	2.45
ERH43	43"END RAIL-HOOKED	3.35
ERH52	52"END RAIL-HOOKED	4.00

Plank

Aluminum Board With Plywood



Aluminum Board



Wood Scaffold Plank (d1-65)

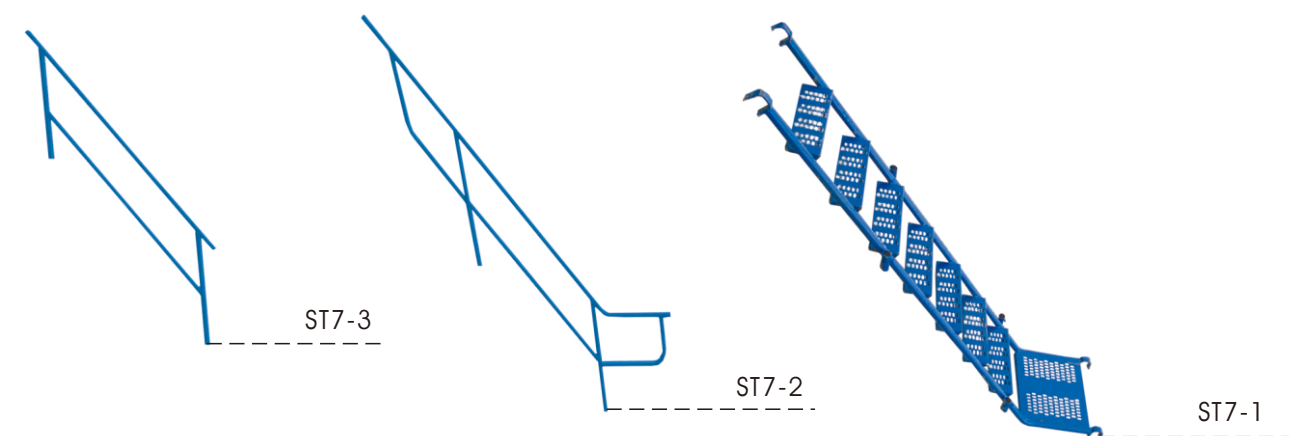


Aluminum Board With Plywood				
Item No.	Description	Length	Width	Weight(ibs)
ABP7	7' ALUMINUM BOARD W/PLYWOOD	7'	19"	32
ABP8	8' ALUMINUM BOARD W/PLYWOOD	8'	19"	40
ABP10	10' ALUMINUM BOARD W/PLYWOOD	10'	19"	47
Aluminum Board				
Item No.	Description	Length	Width	Weight(ibs)
AB5	5' ALL ALUMINUM BOARD	5'	19.25"	23
AB7	7' ALL ALUMINUM BOARD	7'	19.25"	31
AB8	8' ALL ALUMINUM BOARD	8'	19.25"	34
AB10	10' ALL ALUMINUM BOARD	10'	19.25"	42
Wood Scaffold Plank (d1-65)				
Item No.	Description	Length	Width	Weight(ibs)
WPL8	1.5" THICK SCAFFOLD WOOD PLANK	8'	9.25"	31
WPL10	1.5" THICK SCAFFOLD WOOD PLANK	10'	9.25"	39
WPL12	1.5" THICK SCAFFOLD WOOD PLANK	12'	9.25"	47
WPL14	1.5" THICK SCAFFOLD WOOD PLANK	14'	9.25"	55
WPL16	1.5" THICK SCAFFOLD WOOD PLANK	16'	9.25"	62

Stairway units & access ladders

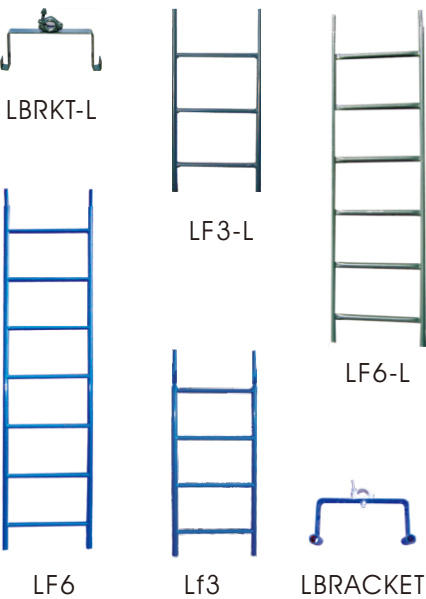
Internal Stairway Unit

- 7' Stairway Unit Complete Set(ST7)
- For 6'4" High End Frame Set With 7' Span
 - Designed To Save Time By Enabling Personnel To Enter And Leave Work Areas Greater Convenience And Safety
 - Stairway Units May Be Altered To Your Specifications



External Access Ladder

Various size ladders provide continuous and easy climbing to scaffold. Ladder bracket used to attach ladder to scaffold.



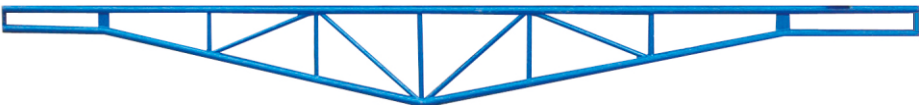
Internal Stairway Unit		
Item No.	Description	Weight(ibs)
ST7-1	ACCESS STAIR UNIT 6'4"H x 7"W	94
ST7-2	ACCESS STAIR UNIT 6'OUTSIDE RAIL	24
ST7-3	ACCESS STAIR UNIT 6'INSIDE RAIL	16
ST8	8' STAIRWAY UNIT, COMPLETE SET	152
External Access Ladder		
Item No.	Description	Weight(ibs)
LF3	LADDER FRAME 44"H x15"W	11
LF6	LADDER FRAME 6'5"H x15"W	18
LBRACKET	LADDER BRACKET	7.25
LF3-L	3' ACCESS LADDER, LOS ANGELES STYLE	8.80
LF6-L	6' ACCESS LADDER, LOS ANGELES STYLE	16
LBRKT-L	LADDER BRACKET, LOS ANGELES STYLE	5.54

Putlog & accessories

Putlog



PUTLOG (P8,P12)

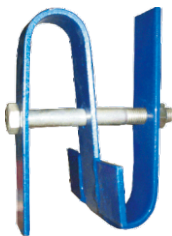


DEEP TRUSS PUTLOG (P16,P22)

Putlog Accessories



PRAH



PPH

Putlog				
Item No.	Description	* B(lbs)	* C(lbs)	Weight(ibs)
P8	8' PUTLOG	1900	1000	28
P12	12' PUTLOG	1350	700	41
P16	16' PUTLOG DEEP TRUSS	2250	1250	64
P22	22' PUTLOG DEEP TRUSS	1500	1250	98

Putlog Accessories		
Item No.	Description	Weight(ibs)
PPH	PUTLOG PARALLEL HANGER	4.30
PRAH	PUTLOG RIGHT ANGLE HANGER	5.05

*b=uniform load-max
*c=approved load concentrated in center

Post shores



PS05



PS04



PS03



PS02



PS01

Allowable Loads In Lbs												
Item No.	4'	5'	6'	7'	8'	9'	10'	11'	12'	13'	14'	15'
PS01	6800	6650	6500									
PS02			6500	6070	5650	5230	4310					
PS03				6070	5650	5230	4310	4390				
PS04						5230	4310	4390	3970	3550		
PS05								4390	3970	3550	3270	3000

Specification					
Item No.	Length	External tube	Internal tube	Weight	Qty Per Container
PS01	3'6"-6'	2.38"x0.09"	1.91"x0.126"	22LBS	2200
PS02	5'6"-10'	2.38"x0.09"	1.91"x0.126"	30.9LBS	1300
PS03	6'8"-11'	2.38"x0.09"	1.91"x0.126"	34.2LBS	1100
PS04	8'8"-13'	2.38"x0.09"	1.91"x0.126"	39.7LBS	900
PS05	10'8"-15'6"	2.38"x0.09"	1.91"x0.126"	44.5LBS	400

Multi-function scaffold

Steel Multi-function Scaffold



MFS



MINIMFS



MFS-GRS6



FMFS4



FMFS5



FMFS6



MFS-NOR



MFS-WOR



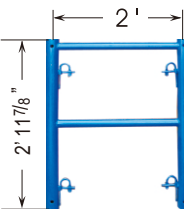
C5R-S



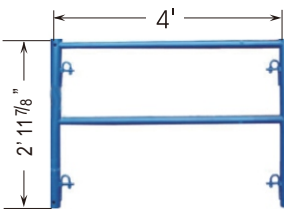
C5R-HJ

Steel Multi-function Scaffold		
Item No.	Description	Weight(lbs)
MFS	MULTI-FUNCTION SCAFFOLD SET	148
MINIMFS	MINI-MULTIFUNCTION SCAFFOLD	90
MFS-GRS6	MFS GUARD RAIL SET 6'	80
FMFS4	4'H STEEL FOLDING MULTIFUNCTION SCAFFOLD	91
FMFS5	5'H STEEL FOLDING MULTIFUNCTION SCAFFOLD	106
FMFS6	6'H STEEL FOLDING MULTIFUNCTION SCAFFOLD	132
MFS-NOR	MFS NARROW OUTRIGGER	5.45
MFS-WOR	MFS WIDE OUTRIGGER	17
C5R-S	5" RUBBER CASTER WITH LOCK	4.85
C5R-HJ	5" HARD RUBBER SCAFFOLD CASTER WITH 1" ROUND STEM & GRIP RING	3.31

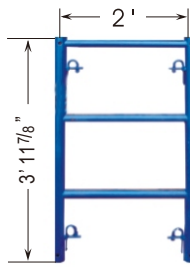
Shoring frames



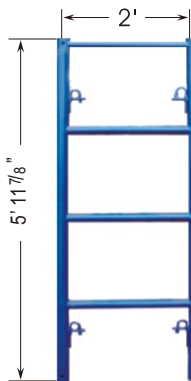
SF3H-2W



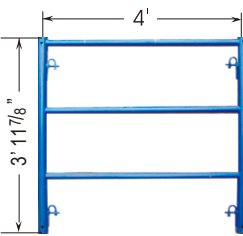
SF3H-4W



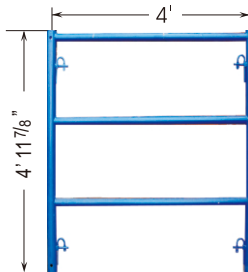
SF4H-2W



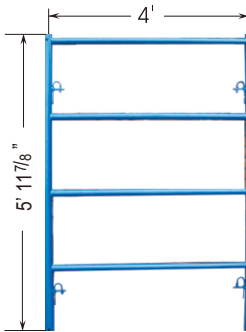
SF6H-2W



SF4H-4W



SF5H-4W



SF6H-4W

Shoring Frames

Item No.	Description	Weight(lbs)	OD(V)	OD(h)	Thickness(v)	Thickness(h)
SF3H-2W	SHORING FRAME 3' X 2'	29	2.36"	1.69"	0.16"	0.09"
SF3H-4W	SHORING FRAME 3' X 4'	36	2.36"	1.69"	0.16"	0.09"
SF4H-2W	SHORING FRAME 4' X 2'	40	2.36"	1.69"	0.16"	0.09"
SF4H-4W	SHORING FRAME 4' X 4'	49	2.36"	1.69"	0.16"	0.09"
SF5H-4W	SHORING FRAME 5' X 4'	56	2.36"	1.69"	0.16"	0.09"
SF6H-2W	SHORING FRAME 6' X 2'	57	2.36"	1.69"	0.16"	0.09"
SF6H-4W	SHORING FRAME 6' X 4'	70	2.36"	1.69"	0.16"	0.09"

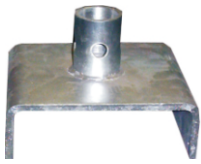
Shoring frames accessories



SCP



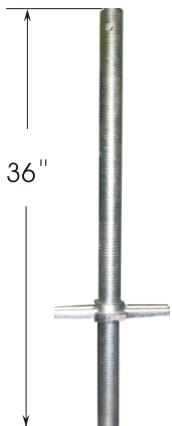
SRP



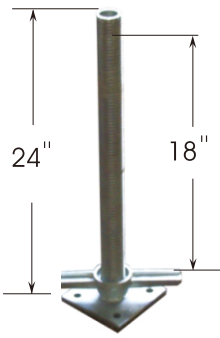
U-HEAD



BP-S



SJ1S-S1



SJ1P-S



BA734

Shoring Frames Accessories		
Item No.	Description	Weight(ibs)
SCP	SHORING COUPLING PIN	1.00
SRP	SHORING RIVET PIN W/HITCH PIN	0.25
U-HEAD	SHORING 'U' HEAD	14
BP-S	SHORING BASE PLATE	7.90
SJ1P-S1	SHORING HOLLOW SCREW JACK	14
SJ1P-S	SHORING JACK W/BASE PLATE	14
BA734	ANGULAR CROSS BRACE 7'X3'X4'	17
BA834	ANGULAR CROSS BRACE 8'X3'X4'	19
BA1034	ANGULAR CROSS BRACE 10'X3'X4'	22

Tube & clamp

Clamp



CLAMP-HB



CLAMP-SSB



CLAMP-SC



CLAMP-R



CLAMP-IBTC



CLAMP-S25



CLAMP-WU



CLAMP-S



CLAMP-R25



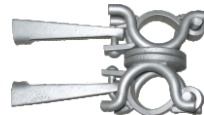
CLAMP-RSB



CLAMP-ST-N



WEDGE-CLAMP-R



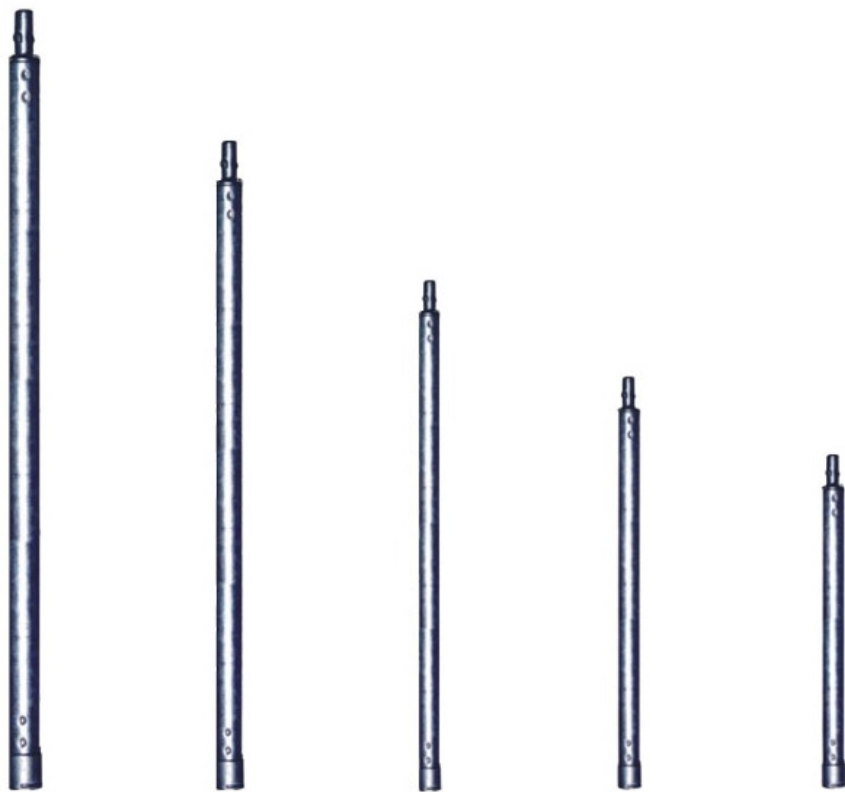
WEDGE-CLAMP-S

Clamp		
Item No.	Description	Weight(ibs)
CLAMP-HB	HEAD BEAM CLAMP	3.0
CLAMP-SSB	31/2"X2SWIVELXCLAMP(SIDEWALK BRIDGE)	5.6
CLAMP-RSB	31/2"X2RIGHT ANGLE CLAMP(SIDEWALK BRIDGE)	5.3
CLAMP-S	FORGED BY SIDE U CLAMP	4.1
CLAMP-SC	SIDE BY SIDE U CLAMP	2.0
CLAMP-R	FORGED FIXED RIGHT ANGLE CLAMP	3.6
CLAMP-ST-N	31/2"STUD CLAMP	4.0
CLAMP-WN	HALF CLAMP WITH WING NUT	3.5
CLAMP-IBTC	BEAM CLAMP	2.1
CLAMP-R25	21/2"X2"FORGED RIGHT ANGLE CLAMP	4.5
CLAMP-S25	21/2"X2"FORGED SWIVEL CLAMP	5.3
WEDGE-CLAMP-R	RIGHT ANGLE WEDGE CLAMP	3.22
WEDGE-CLAMP-S	SWIVEL WEDGE CLAMP	3.7

Tube & clamp

Tube

- ▣ Tube OD: 1.9"
- ▣ 13 Gauge Tube
- ▣ Hot Dip Galvanized



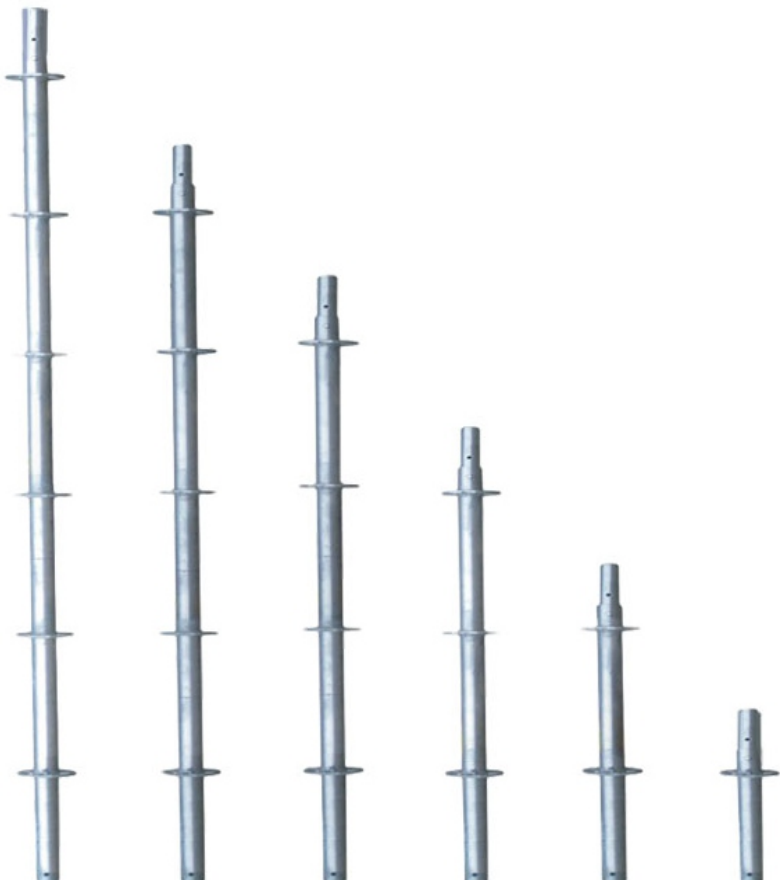
*10 Gauge Tube is available upon request
*Plain end galvanized tube cut to size also available

Shoring Frames Accessories		
Item No.	Description	Weight(ibs)
TUBE4	4' TUBE WITH END FITTING. HOT-DIP GALVANIZED	9.80
TUBE6	6' TUBE WITH END FITTING. HOT-DIP GALVANIZED	13
TUBE8	8' TUBE WITH END FITTING. HOT-DIP GALVANIZED	17
TUBE10	10' TUBE WITH END FITTING. HOT-DIP GALVANIZED	21
TUBE13	13' TUBE WITH END FITTING. HOT-DIP GALVANIZED	26
TUBE16	16' TUBE WITH END FITTING. HOT-DIP GALVANIZED	31.28

Ssystem scaffold

Vertical Post (Ring Lock)

- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI



VERTICAL POST



S-COLLAR

Vertical Post		
Item No.	Description	Weight(ibs)
S-VP05	1-CUP VERTICAL WITH SPIGOT (0.5 M)	6.72
S-VP10	3'3" VERTICAL WITH SPIGOT (1.0 M)	12.05
S-VP15	4'9" VERTICAL WITH SPIGOT (1.5M)	17.39
S-VP20	6'6" VERTICAL WITH SPIGOT (2.0 M)	23.36
S-VP25	8'2" VERTICAL WITH SPIGOT (2.5 M)	28.04
S-VP30	9'9" VERTICAL WITH SPIGOT (3.0 M)	33.73
S-COLLAR	STARTER COLLAR	4.18
S-CP	SYSTEM COUPLING PIN	1.00

System scaffold

Vertical Post (Cup Lock)



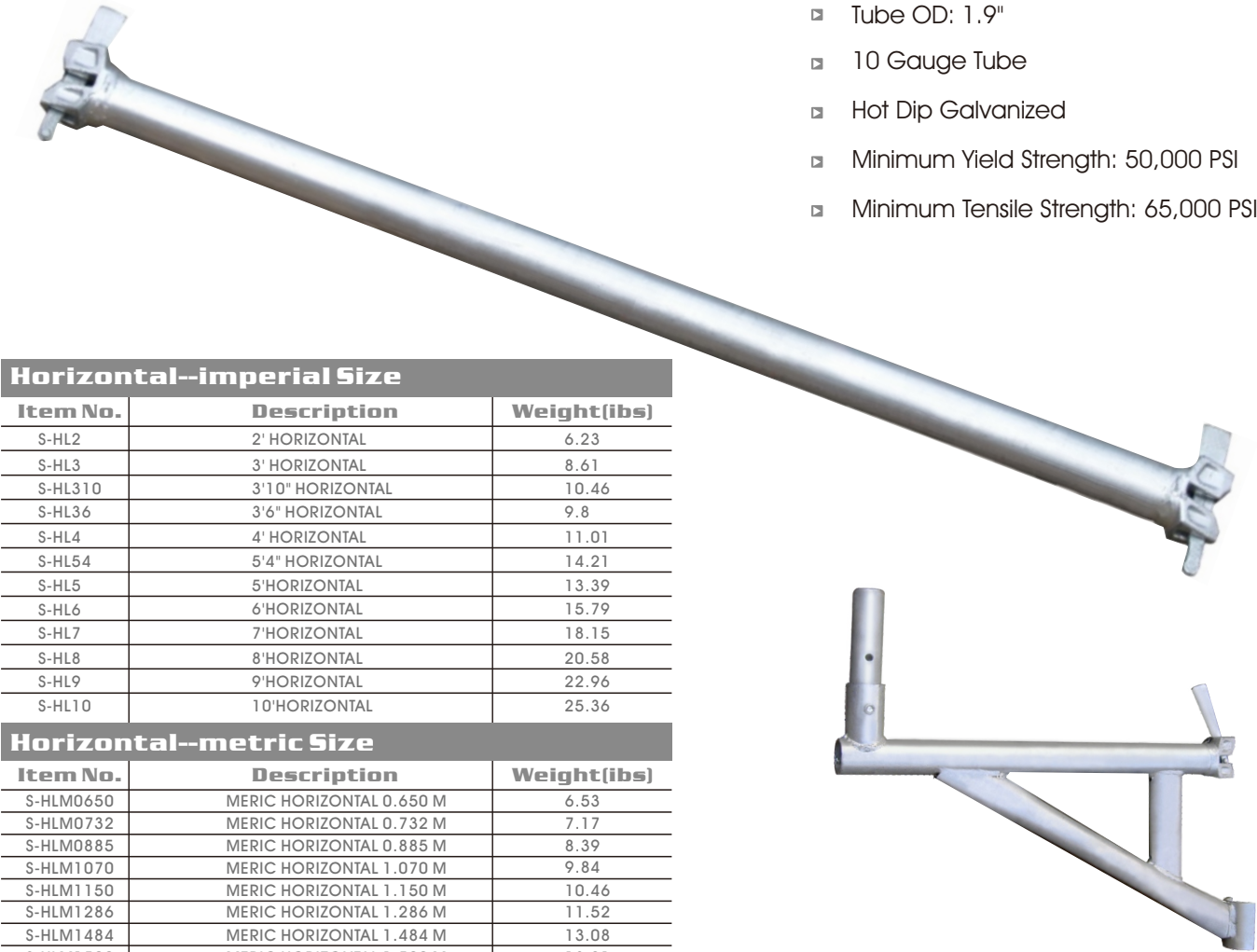
CV910 CV82 CV66 CV411 CV33 CV10

- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Vertical Post		
Item No.	Description	Weight(ibs)
CV910	CUP LEG 3 METER 9'-10"	38.5
CV82	CUP LEG 2.5 METER 8'-2"	33.14
CV66	CUP LEG 2 METER 6'-6"	25.63
CV411	CUP LEG 1.5 METER 4'-11"	19.34
CV33	CUP LEG 1 METER 3'-3"	13.53
CV10	CUP LEG 0.5 METER	7.79

System scaffold

Horizontal (Ring Lock)



BOARD BRACKET

- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Horizontal--imperial Size		
Item No.	Description	Weight(ibs)
S-HL2	2' HORIZONTAL	6.23
S-HL3	3' HORIZONTAL	8.61
S-HL310	3'10" HORIZONTAL	10.46
S-HL36	3'6" HORIZONTAL	9.8
S-HL4	4' HORIZONTAL	11.01
S-HL54	5'4" HORIZONTAL	14.21
S-HL5	5' HORIZONTAL	13.39
S-HL6	6' HORIZONTAL	15.79
S-HL7	7' HORIZONTAL	18.15
S-HL8	8' HORIZONTAL	20.58
S-HL9	9' HORIZONTAL	22.96
S-HL10	10' HORIZONTAL	25.36

Horizontal--metric Size		
Item No.	Description	Weight(ibs)
S-HLM0650	MERIC HORIZONTAL 0.650 M	6.53
S-HLM0732	MERIC HORIZONTAL 0.732 M	7.17
S-HLM0885	MERIC HORIZONTAL 0.885 M	8.39
S-HLM1070	MERIC HORIZONTAL 1.070 M	9.84
S-HLM1150	MERIC HORIZONTAL 1.150 M	10.46
S-HLM1286	MERIC HORIZONTAL 1.286 M	11.52
S-HLM1484	MERIC HORIZONTAL 1.484 M	13.08
S-HLM1500	MERIC HORIZONTAL 1.500 M	13.21
S-HLM1572	MERIC HORIZONTAL 1.572M	13.77
S-HLM1625	MERIC HORIZONTAL 1.625 M	14.18
S-HLM2072	MERIC HORIZONTAL 2.072 M	17.69
S-HLM2572	MERIC HORIZONTAL 2.572 M	21.61
S-HLM3000	MERIC HORIZONTAL 3.000 M	24.99

Board Bracket		
Item No.	Description	Weight(ibs)
S-BRKT2	2 BOARD BRACKET	12.46
S-BRKT3	3 BOARD BRACKET	15.12
S-BRKT11	11" BOARD BRACKET	3.53
S-BRKT0360	METRIC BOARD BRACKET 0.360 M	10.41
S-BRKT0650	METRIC BOARD BRACKET 0.650 M	12.79
S-BRKT0732	METRIC BOARD BRACKET 0.732 M	14.11
S-BRKT1090	METRIC BOARD BRACKET 1.090 M	17.64

System scaffold

Horizontal (Cup Lock)



- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Horizontal		
Item No.	Description	Weight(ibs)
CH100	10' HORIZONTAL 3.05 METER	26.18
CH110	1'-10 1/4" HORIZONTAL 0.565 METER	5.51
CH27	2'-7 5/16" HORIZONTAL 0.795 METER	7.41
CH30	3' HORIZONTAL 0.91 METER	8.36
CH36	3'-6" HORIZONTAL 1.067 METER	9.64
CH40	4' HORIZONTAL 1.22 METER	10.96
CH50	5' HORIZONTAL 1.52 METER	13.2
CH60	6' HORIZONTAL 1.83 METER	16.06
CH70	7' HORIZONTAL 2.13 METER	18.57
CH80	8' HORIZONTAL 2.44 METER	21.12
CH90	9' HORIZONTAL 2.74 METER	23.65

Board Bracket		
Item No.	Description	Weight(ibs)
CBB10	BOARD BRACKET 1' - 0" (1 BOARD)	3.52
CBB110	BOARD BRACKET 1' - 10 1/4" (2 BOARD)	12.65
CBB27	BOARD BRACKET 2' - 7 5/16" (3 BOARD)	16.72



BOARD BRACKET

System scaffold

Bay Brace (Ring Lock)



- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Bay Brace--imperial Size		
Item No.	Description	Weight(ibs)
S-BB3	3' BAY BRACE	18.34
S-BB36	3'6" BAY BRACE	18.85
S-BB4	4' BAY BRACE	19.36
S-BB5	5' BAY BRACE	20.55
S-BB6	6' BAY BRACE	21.91
S-BB7	7' BAY BRACE	23.37
S-BB8	8' BAY BRACE	25.00
S-BB9	9' BAY BRACE	26.57
S-BB10	10' BAY BRACE	28.42

Bay Brace--metric Size		
Item No.	Description	Weight(ibs)
S-BBM0650	METRIC BAY BRACE 0.650	18.03
S-BBM0732	METRIC BAY BRACE 0.732	18.21
S-BBM1070	METRIC BAY BRACE 1.070	19.18
S-BBM1150	METRIC BAY BRACE 1.150	19.47
S-BBM1286	METRIC BAY BRACE 1.286	19.95
S-BBM1484	METRIC BAY BRACE 1.484	20.77
S-BBM1500	METRIC BAY BRACE 1.500	20.81
S-BBM1572	METRIC BAY BRACE 1.572	21.10
S-BBM1625	METRIC BAY BRACE 1.625	21.34
S-BBM2072	METRIC BAY BRACE 2.072	23.43
S-BBM2572	METRIC BAY BRACE 2.572	26.08
S-BBM3000	METRIC BAY BRACE 3.000	28.51

System scaffold

Bay Brace (cup Lock)



- ▣ Tube OD: 1.9"
- ▣ 10 Gauge Tube
- ▣ Hot Dip Galvanized
- ▣ Minimum Yield Strength: 50,000 PSI
- ▣ Minimum Tensile Strength: 65,000 PSI

Swivel Clamp Brace

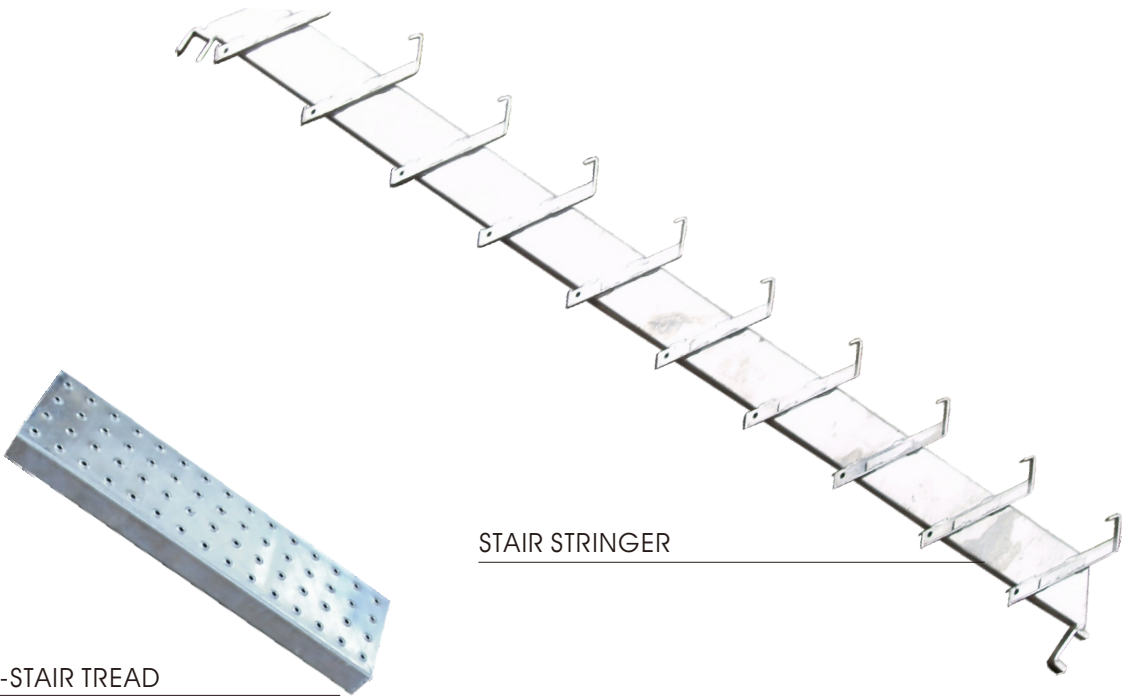
SEE THE SWIVEL CLAMP BRACE INFORMATION IN PAGE 33

Bay Brace		
Item No.	Description	Weight(ibs)
CFB100	CUPLOCK SWIVEL FACE BRACE FOR 10' BAY	39.50
CFB90	CUPLOCK SWIVEL FACE BRACE FOR 9' BAY	35.50
CFB82	CUPLOCK SWIVEL FACE BRACE FOR 8'2" BAY	31.56
CFB80	CUPLOCK SWIVEL FACE BRACE FOR 10' 4.25"	28.82
CFB70	CUPLOCK SWIVEL FACE BRACE FOR 7' BAY	26.50
CFB50	CUPLOCK SWIVEL FACE BRACE FOR 5' BAY	19.50

Swivle Clamp Brace		
Item No.	Description	Weight(ibs)
S-CCB50	SWIVEL CLAMP BRACE 6'6"	21.34
S-CCB70	SWIVEL CLAMP BRACE 9'7.125"	29.19
S-CCB80	SWIVEL CLAMP BRACE 10'4.25"	31.02
S-CCB82	SWIVEL CLAMP BRACE 10'6"	31.31
S-CCB100	SWIVEL CLAMP BRACE 12'6"	25.86

System scaffold

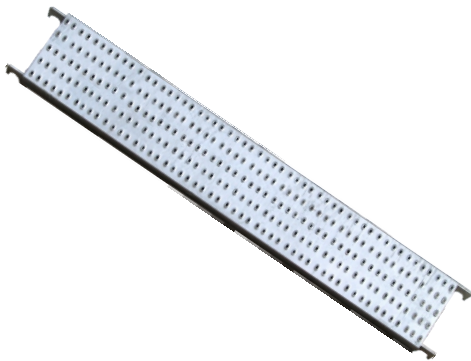
Stairway System



STAIR STRINGER

C-STAIR TREAD

Steel planks



Steel Planks		
Item No.	Description	Weight(ibs)
S-SP3	3' STEEL PLANK WITH HOOKS	15.70
S-SP4	4' STEEL PLANK WITH HOOKS	20.10
S-SP5	5' STEEL PLANK WITH HOOKS	24.50
S-SP6	6' STEEL PLANK WITH HOOKS	28.90
S-SP7	7' STEEL PLANK WITH HOOKS	33.20
S-SP8	8' STEEL PLANK WITH HOOKS	37.60
S-SP9	9' STEEL PLANK WITH HOOKS	42.00
S-SP10	10' STEEL PLANK WITH HOOKS	46.40

Stair Stringer		
Item No.	Description	Weight(ibs)
S-SSL7	LEFT STAIR STRINGER 7'	44.09
S-SSL8	LEFT STAIR STRINGER 8'	44.09
S-SSR7	RIGHT STAIR STRINGER 7'	85.98
S-SSR8	RIGHT STAIR STRINGER 8'	85.98
C-SSL80	ALUMINUM LEFT STAIR STRINGER 8'-0"	64.73
C-SSR80	ALUMINUM RIGHT STAIR STRINGER 8'-0"	64.73

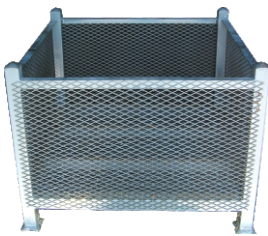
C-stair Tread		
Item No.	Description	Weight(ibs)
S-ST30	30" STAIR TREAD	11.68
S-ST36	36" STAIR TREAD	13.89
S-ST42	42" STAIR TREAD	15.87
C-ST36	ALUMINUM 3'-6" STAIR TREAD	14.02
C-ST40	ALUMINUM 4'-0" STAIR TREAD	15.83

System scaffold

Scaffold Rack & Basket



S-SSRS



S-SSB

Screw Jack



S-SJS



S-SJB



S-CA



S-CCA

Swing Gate



CGRGTE

System Scaffold Caster



SCU12
(3000 LB Load Capacity)

Scaffold Rack & Basket		
Item No.	Description	Weight(ibs)
S-SSRS	SYSTEM SCAFFOLD RACK (POWER COATED)	108.00
S-SSB	SYSTEM SCAFFOLD BASKET (POWER COATED)	203.00
System Scaffold Caster		
Item No.	Description	Weight(ibs)
S-CU12	12" SYSTEM CASTER-URETHANE	44.1
Screw Jack		
Item No.	Description	Weight(ibs)
S-SJB	SYSTEM SCREW JACK 1.5"	8.80
S-SJS	SYSTEM SWIVEL SCREW JACK 1.5"	15.40
S-CA	RINGLOCK CASTER ADAPTER	10.14
S-CCA	CUPLOCK CASTER ADAPTER	9.45
Swing Gate		
Item No.	Description	Weight(ibs)
CGRGTE	SCAFFOLD SWING GATE	18

System scaffold

Ladder & Ladder Bracket



S-LADDER10



S-LADDER5



S-LADDER3



S-LBRKT

Ladder & Ladder Bracket



SAU6



SAU3



SAUB

Ladder & Ladder Bracket		
Item No.	Description	Weight(ibs)
S-LADDER3	3' LADDER	15.43
S-LADDER5	5' LADDER	22.04
S-LADDER10	10' LADDER	41.88
S-LBRKT	LADDER BRACKET	9.14
Ladder & Ladder Bracket		
Item No.	Description	Weight(ibs)
SAU6	6' LADDER	22.13
SAU3	3' LADDER	13.23
SAUB	LADDER BRACKET	5.84

Other products

Mortar Board Stand



MBS

Mortar Tub



MT954

Pallet Jack



Pallet Jack		
Item No.	Description	Weight(ibs)
PJ27-48	27"X48" PALLET JACK,5500 LBS CAPACITY	183
PJ27-36	27"X36" PALLET JACK,5500 LBS CAPACITY	159.60
PJ20-48	20"X48" PALLET JACK,5500 LBS CAPACITY	175.56
PJ20-36	20"X36" PALLET JACK,5500 LBS CAPACITY	155.04

Mortar Tub		
Item No.	Description	Weight(ibs)
MT945	14 GAUGE MORTAR TUB, 10 CUBIC FEET	86
MT954	10 GAUGE MORTAR TUB, 10 CUBIC FEET	138

Annealed Steel Wire					
Item No.	Description	Material	Tensile Strength	Elongation	Packing
STW-12	12 GAUGE BLACK ANNEALED STEEL TIRE WIRE	Q235	295-540MPA	> OR = 20%	100 LBS/COIL

Other products

Heavy Duty Debris Netting Fire Retardant



- Product Features:**
- Easy To Install
 - Reinforced Buttonholes On Hem For Easy Attachment
 - Long Lasting
 - U.V. Treated
 - High-density Polyethylene
 - Knitted Construction
 - Will Not Unravel When Cut
 - Flexible In Severe Temperature
 - Meets OSHA Requirements
 - Fire Retardant
 - Passed NFPA 701 Method 2 Standard

- Product Uses:**
- Vertical & Horizontal Debris Netting
 - Sand Blast Curtains
 - Scaffold Enclosures
 - Vision Barrier
 - Wind Protection
 - Protects Pedestrians

Size:

- 8.6' x 150'
- "Other Size Available Upon Request"

Test Report

IDENTIFICATION: VERTICALS AND HORIZONTALS OF CUP LOCK SYSTEM SCAFFOLD
DESCRIPTION: TEST THE TENSILE AND YIELD STRENGTH

TENSILE AND YIELD STRENGTH TEST RESULTS

SECTION ID	DIMENSIONS, OD X WALL IN.	YIELD STRENGTH 0.2% OFFSET	TENSILE STRENGTH(PSI)	ELONGATION%
CV 66	1.920 x 0.133	69,001	80,360	30
CV 441	1.912 x 0.135	75,603	85,370	31
CH 27	1.912 x 0.139	70,521	82,740	28
CH 30	1.923 x 0.139	76,180	86,870	31
CH 70	1.920 x 0.135	78,650	88,110	28
REQUIREMENT		60,000MIN	75,000MIN	

- ▣ The submitted items meet the tensile requirements.
- ▣ The OD and wall dimensions reported are after removal of galvanized layer.
- ▣ The galvanization was removed using a mixture of 50% hydrochloric acid to 50% water.
- ▣ The galvanized layers for the three items ranged in thickness from 0.004" to 0.007".

Test Report

IDENTIFICATION: VERTICAL WITH LEDGERS
DESCRIPTION: AXIAL LOAD TEST

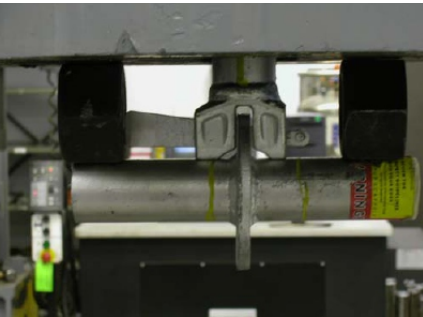
Testing to establish load capacity of rosette/ledger arrangement

AXIAL LOAD TEST RESULTS

TEST	FAILURE MODE	MAXIMUM LOAD	4:1 SAFETY FACTOR
1	ROSETTE BROKE	11,811 LBS.	2,953 LBS.
2	WEDGE BROKE	14,173 LBS.	3,543 LBS.

Ledger secured in test frame; axial load applied pulling wedge of ledger away from rosette

AXIAL LOAD TESTS:



AXIAL LOAD TEST ARRANGEMENT



FAILURE OF ROSETTE AT 11,811 LBS.



FAILURE OF WEDGE AT 14,173 LBS.

Test Report

IDENTIFICATION: VERTICAL WITH LEDGERS
DESCRIPTION: VERTICAL SHEAR LOAD TEST

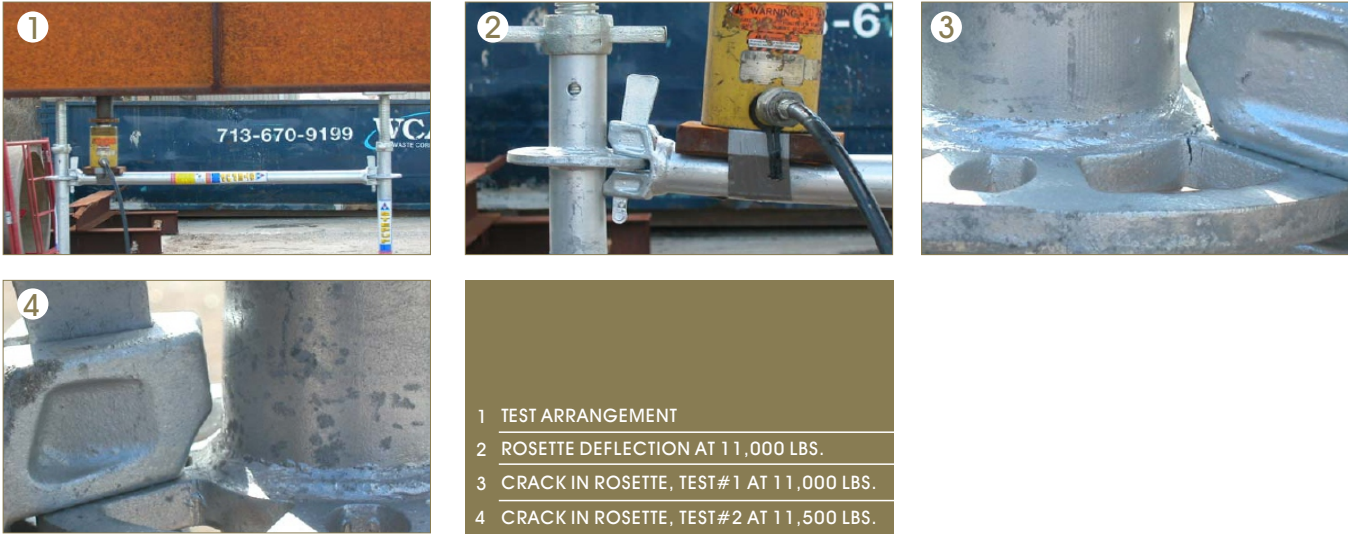
Testing to establish load capacity of rosette/ledger arrangement

VERTICAL SHEAR LOAD TEST RESULTS

TEST	FAILURE MODE	MAXIMUM LOAD	4:1 SAFETY FACTOR
1	ROSETTE CRACKED	11,000 LBS.	2,750 LBS.
2	ROSETTE CRACKED	11,500 LBS.	2,875 LBS.

Load applied vertically near one wedge of ledger secured between two vertical members.

VERTICAL DOWNWARD SHEAR LOAD TESTS:



Test Report

IDENTIFICATION: VERTICAL WITH LEDGERS
DESCRIPTION: DOUBLE SHEAR CAPACITY LOAD TEST

DOUBLE SHEAR CAPACITY LOAD TEST RESULTS

TEST	FAILURE MODE	MAXIMUM LOAD	4:1 SAFETY FACTOR
1	ROSETTE DEFLECTION	9,700 LBS.	2,425 LBS.

Loads applied 12" from wedge center, simultaneously on two ledgers.
Ledgers secured at both ends between verticals.

DOUBLE VERTICAL LOAD TEST:




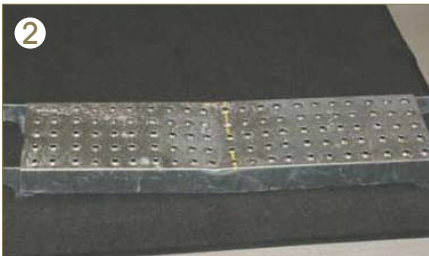

Test Report


IDENTIFICATION: SCAFFOLD PLANK
DESCRIPTION: STEEL PLANK GALV. WITH HOOKS

SCAFFOLD PLANK LOAD TESTING COMPONENTS
PROVIDED BY SUNSHINE ENTERPRISES

PLANK	LOAD TYPE	MAXIMUM LOAD (LBS) *	LOAD DIVIDED BY SAFETY FACTOR OF 4	CALCULATED LBS/FT.LOAD, (LOAD/LENGTH)	REQUIREMENT(LBS/FT)
S-SP3(3FT)	POINT LOAD	4,938	1,235	412	213
S-SP5(5FT)	UNIFORM LOAD	5,276	1,319	264	
S-SP7(7FT)	UNIFORM LOAD	2,528	632	120	
S-SP10(10FT)	UNIFORM LOAD	2,260	565	74.83	

MAXIMUM LOAD TOTALS INCLUDE THE WEIGHT OF ANY BEAM(S) USED:





1 CONFIGURATION FOR POINT LOAD

2 SSP3 AFTER POINT LOAD OF 4,868 LBS.

3 SSP5-UNIFORM LOAD CONFIGURATION

4 SSP5 AFTER UNIFORM LOAD OF 5,276 LBS.

Uniform load applied on 14-3/16" centers. Center of support roller to center of first ram=14-3/16"center of first ram to center of second ram-14-3/16", etc. The load of 5,276 lbs. Includes the 70# weight of the beam used to apply load across the rams.

The rams were placed on 4"x9" plates. The load was applied through the instron load cell, seen at top center of photograph.

Test Report

IDENTIFICATION: MF5H-5W-L3
DESCRIPTION: MASON FRAME 60"H×60"W WITH DROP- LOCK

CHEMICAL ANALYSIS

			Q345E		AISI 1513	
ELEMENT		RESULT%	MIN%	MAX%	MIN%	MAX%
C	=	0.12	1.00	0.18	0.10	0.16
MN	=	0.18		1.60	1.10	1.40
P	=	0.016		0.025	0.000	0.040
S	=	0.016		0.025	0.000	0.050

The leg of frame MF5H-5W-L3 meets Chinese steel Q345 Grades A, B, D, and E. It also meets a comparable US carbon steel, AISI 1513, referenced in ASTM A29.

TENSILE TEST RESULTS (TEST METHOD:ASTM A370/ASTM E8)

SPECIMEN DIMENSIONS, OD X WALL, IN.	AREA, SP. INS.	YIELD STRENGTH, PSI@0.2% OFFSET	TOTAL LOAD, LBS.	TENSILE STRENGTH, PSI	%EI,(2")
1.7000x0.093	0.470	63, 300	34.814	74,100	31
REQUIREMENT		60, 000 MIN		70, 000 MIN	

Tensile test performed on vertical mason frame leg

SCAFFOLD FRAME LOAD TEST RESULTS (MF5H-5W-L3)

	LOAD AT YIELD(LBS)	LOAD PER LEG AT YIELD (LBS)	4:1 SAFETY FACTOR PER LEG, BASED ON YIELD (LBS)
Set #1	71,450	17,865	4,465
Set #2	75,200	18,800	4,700

SET #1 PICTURED



AT 51,450 LBS. AT YIELD OF 71,450 LBS.

SET #2 PICTURED



AT 51,450 LBS. AT YIELD OF 75,200 LBS.

Test Report

IDENTIFICATION: TF6H-42W-L3
DESCRIPTION: THROUGH FRAME 76" H × 42"W WITH DROP - LOCK

CHEMICLA ANALYSIS

			Q345E		AISI 1513	
ELEMENT		RESULT%	MIN%	MAX%	MIN%	MAX%
C	=	0.14	1.00	0.18	0.10	0.16
MN	=	0.17		1.60	1.10	1.40
P	=	0.018		0.025	0.000	0.040
S	=	0.018		0.025	0.000	0.050

The leg of frame TF6H-42W-L3 meets Chinese steel Q345 Grades A, B, D, and E. It also meets a comparable US carbon steel, AISI 1513, referenced in ASTM A29.

TENSILE TEST RESULTS (TEST METHOD: ASTM A370/ASTM E8)

SPECIMEN DIMENSIONS, OD X WALL, IN.	AREA SQ. LNS.	YIELD STRENGTH, PSI @0.2% OFFSET	TOTAL LOAD, LBS.	TENSILE STRENGTH, PSI	%E1,(2")
1.700x0.093	0.470	61,900	33,593	71,500	24
Requirement		60,000 min		70,000 min	

Tensile test performed on vertical through frame leg

SAFFOLD FRAME LOAD TEST RESULTS TF6H-42W

	LOAD AT YIELD (LBS)	LOAD PER LEG AT YIELD (LBS)	4:1 SAFETY FACTOR PER LEG, BASED ON YIELD (LBS)
SET #1	73,950	18,488	4,622
Set #2	68,000	17,000	4,250

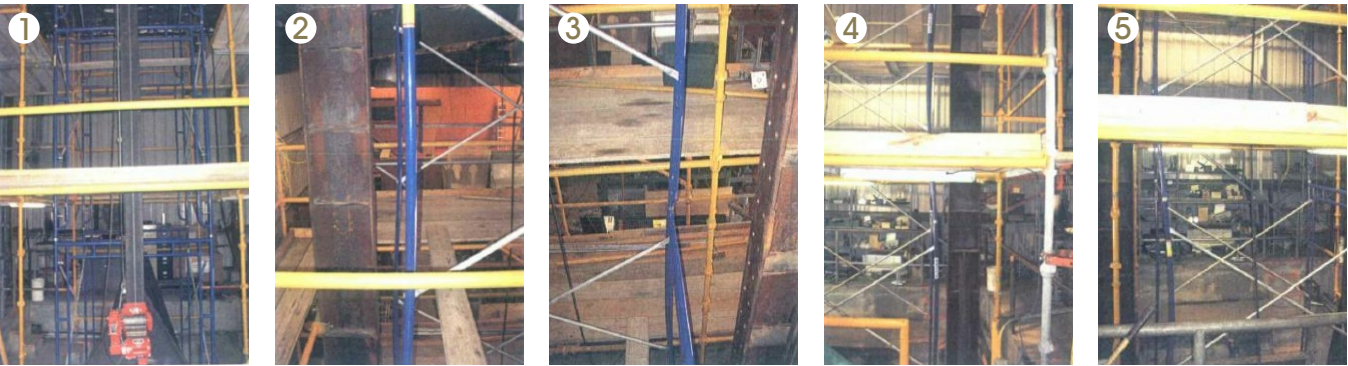


Test Report

IDENTIFICATION: TF7H-6W-L5. 7'6" X 6' WALK THRU FRAME
DESCRIPTION: CANOPY FRAME LOAD TEST

TOWER TEST #	YIELD LOAD (LBS)	LOAD PER LEG (LBS)	LOAD PER LEG (LBS) AT 4:1 SAFETY FACTOR	DEVIATION FROM AVERAGE
1	33,400	8,350	2,090	6.1%
2	31,190	7,800	1,950	0.8%
3	30,085	7,520	1,880	4.4%
4	31,190	7,800	1,950	0.8%
AVERAGE	31,470	7,870	1,970	

The towers have been tested in accordance with CAN/CSA-S269.2-M87, except that screw jack extension at top and bottom were set at 6", per CAN/CSA-S269.2-M87, a dviation from the average of 15% is permissible.



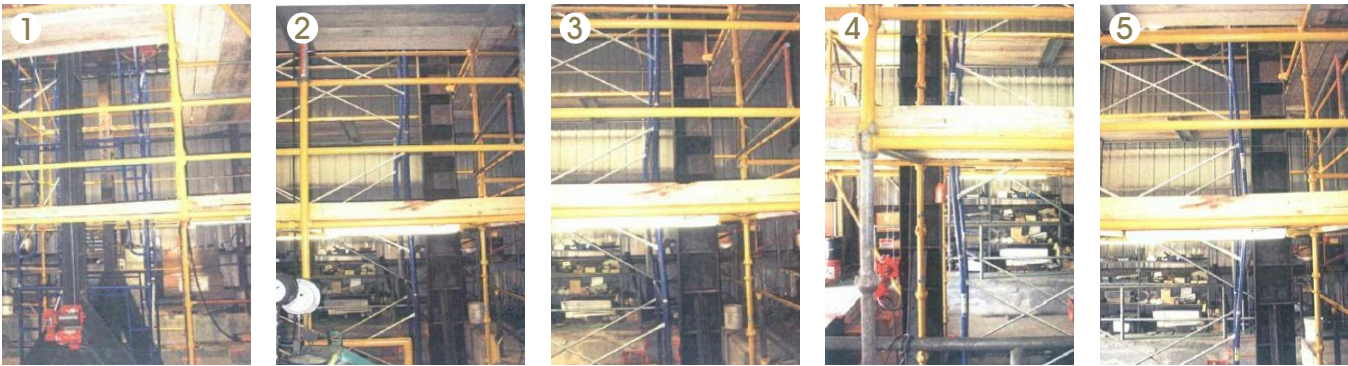
1. REPRESENTATIVE PRE-LOAD CONDITION
2. TEST#1.DEFLECTION AT 33,400 LBS
3. TEST#2.DEFLECTION AT 31,190 LBS
4. TEST#3.DEFLECTION AT 30,085 LBS
5. TEST#4.DEFLECTION AT 31,190 LBS

Test Report

IDENTIFICATION: TF6H-5W-L3. 6'4" X 5' WALK THRU FRAME
DESCRIPTION: 1.69" TUBE WALK THROUGH FRAME LOAD TEST

TOWER TEST #	YIELD LOAD (LBS)	LOAD PER LEG (LBS)	LOAD PER LEG (LBS) AT 4:1 SAFETY FACTOR	DEVIATION FROM AVERAGE
1	39,970	9,990	2,500	3.3%
2	42,160	10,540	2,640	1.9%
3	39,970	9,990	2,500	3.3%
4	43,255	10,810	2,700	4.6%
AVERAGE	41,340	10,330	2,590	

The towers have been tested in accordance with CAN/CSA-S269,2-M87, except that screw jack extension at top and bottom were set at 6", per CAN/CSA-S269.2-M87, a deviation from the average of 15% is permissible.



1. REPRESENTATIVE PRE-LOAD CONDITION
2. TEST #1.DEFLECTION AT 39,970 LBS
3. TEST #2.DEFLECTION AT 42,160 LBS
4. TEST #3.DEFLECTION AT 39,970 LBS
5. TEST #4.DEFLECTION AT 43,255 LBS

Test Report

IDENTIFICATION: SB-20-HH-H
DESCRIPTION: 20" SIDE BRACKET W/ HOOK HANGER FOR HOUSTON

CHEMICAL ANALYSIS

ELEMENT		RESULT%	Q215 A,B		Q235 A		AISI 1015	
			MIN%	MAX%	MIN%	MAX%	MIN%	MAX%
C	=	0.14	0.09	0.15		0.16	0.13	0.18
MN	=	0.38	0.25	0.55	0.80	1.50	0.30	0.60
P	=	0.015		0.045		0.045	0.000	0.040
S	=	0.016		0.045		0.045	0.000	0.050

TENSILE TEST RESULTS (TEST METHOD: ASTM A370/ASTM E8)

SPECIMEN DIMENSIONS, OD X WALL, IN.	AREA SQ. LNS.	YIELD STRENGTH, PSI @0.2% OFFSET	TOTAL LOAD, LBS.	TENSILE STRENGTH,PSI	%E1,(2")
1.066x0.073	0.228	80.200	19,241	84,400	10
REQUIREMENT		60,000 MIN.		70,000 MIN.	

LOAD TEST RESULTS

TEST SAMPLE #	FAILURE MODE	YIELD LOAD (LBS)	LOAD WITH 4:1 SAFETY FACTOR (LBS)
1	DEFORMATION OF HOOK	3,000	750
2	DEFORMATION OF HOOK	3,350	838



1. CONFIGURATION FOR TESTING SIDE BRACKETS.
2. TEST SET-UP FOR SB20-HH-H TYPE BRACKET PHOTO TAKEN AT LOAD OF 2,900 LBS.
3. SB20-HH-H #1 AT LOAD OF 3,000 LBS.
4. SB20-HH-H #1 AT LOAD OF 3,000 LBS.
5. SB20-HH-H #2 AT LOAD OF 3,350 LBS.

Test Report

IDENTIFICATION: SJ1P
DESCRIPTION: GALVANIZED SCREW JACKS WITH 5-1/2" BASE PLATES.

COMPRESSIVE LOAD TEST RESULTS

EXTENSION HEIGHT	LOAD AT YIELD(LBS.)	LOAD AT YIELD WITH 4:1 SAFETY FACTOR(LBS.)
6"	45,900	11,475
12"	42,200	10,550
18"	39,800	9,950



Screw jack at 6"extension at yield load of 45,900 lbs.



Screw jack at 12"extension at yield load of 42,200 lbs.



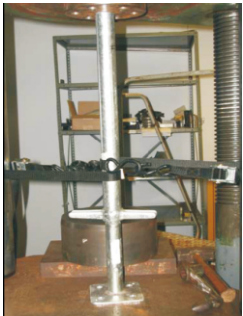
Screw jack at 18"extension at yield load of 39,800 lbs.

Test Report

IDENTIFICATION: SJ1S
DESCRIPTION: GALVANIZED SCREW JACKS WITH SOCKET

LOAD TEST RESULTS

EXTENSION	MAXIMUM LOAD AT YIELD (LBS)	4:1 SAFETY FACTOR, BASED ON YIELD (LBS)	FAILURE MODE
NONE	27,900	6,975	SOCKET TUBE COMPRESSION AND JACK DEFORMATION
MID EXTENSION 15" FROM BASE PLATE TO JACK HANDLE	31,450	7,863	SOCKET TUBE COMPRESSION AND JACK DEFORMATION
MAX EXTENSION 23" FROM BASE PLATE TO JACK HANDLE	31,700	7,925	SOCKET TUBE COMPRESSION AND JACK DEFORMATION



Test configuration with no extension.



No extension, yield load of 27,900 lbs.



Mid extension, yield load of 31,450 lbs.



Max extension, yield load of 31,700 lbs.

Lower compressive strength value for jack with no extension is due to direct loading of screw jack handle onto socket tube weld.

Test Report

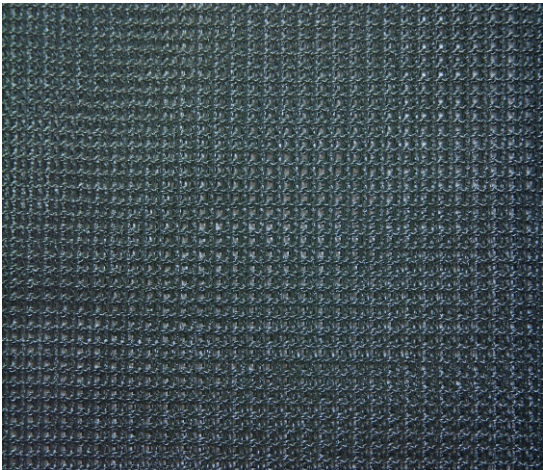
IDENTIFICATION: NETTING
DESCRIPTION: NFPA 701 METHOD 2 TEST

LEACH TEST RESULTS

SPECIMEN	DIMENSIONS (INCHES)	CHAR LENGTH (INCHES)	AFTERBURN (SECONDS)	FLAMING RESIDUE (SECONDS)
1	25 X 47	10.5	0.0	0.0
2	25 X 47	7.8	0.0	0.0
3	25 X 47	9.3	0.0	0.0
4	25 X 47	11.0	0.0	0.0

Passed NFPA 701 method 2 fire retardant standard

- ▣ The time of individual specimen continues flaming was not more than 2 seconds after the test flame is removed from contact with the specimen.
- ▣ The length of char of individual folded specimen does not exceed 1050 mm (41.3in) .
- ▣ The time of portions or residues continues flaming was not more than 2 seconds.



Test Report

IDENTIFICATION: 12" CASTERS
DESCRIPTION: SYSTEM SCAFFOLD CASTER LOAD TEST

CASTER WHEEL BRAKE TORQUE TEST ANSI/SSFI SC 100-5/05, SECTION 5.6

TEST #	TORQUE AT WHICH WHEEL ROTATED CLOCKWISE DIRECTION	TORQUE AT WHICH WHEEL ROTATED COUNTER CLOCKWISE DIRECTION
1	58.2 LBS	78.8 LBS

CASTER WHEEL ULTIMATE LOAD TEST WITH 5° OFFSET AS PRESCRIBED IN ANSI/SSFI SC 100-5/05,SECTION 5.6.5

TEST #	ULTIMATE LOAD
1	13808 LBS



LOAD APPLICATION AT 5°AXIAL OFFSET



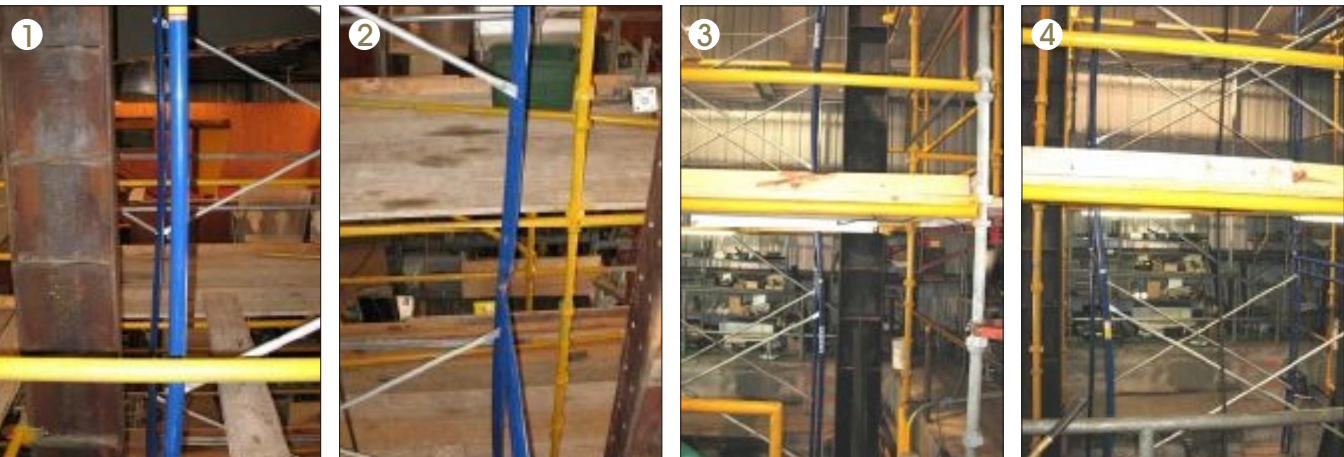
TYPICAL STEM DEFLECTION FAILURE FOR EACH CASTER

Test Report

IDENTIFICATION: TF7H-6W-L5. 7'6" X 6" WALK THRU FRAME
DESCRIPTION: FRAME SCAFFOLD 3-TIER LOAD TEST

TOWER TEST #	YIELD LOAD (LBS)	LOAD PER LEG (LBS)	LOAD PER LEG (LBS) AT 4:1 SAFETY FACTOR	DEVIATION FROM AVERAGE
1	33,400	8,350	2,090	6.1%
2	31,190	7,800	1,950	0.8%
3	30,085	7,520	1,880	4.4%
4	31,190	7,800	1,950	0.8%
AVERAGE	31,470	7,870	1,970	

The towers have been tested in accordance with CAN/CSA-S269.2-M87, except that screw jack extensions at top and bottom were set at 6". Per CAN/CSA-S269.2-M87, a deviation from the average of 15% is permissible.



- 1. TEST#1.DEFLECTION AT 33,400 LBS
- 2. TEST#2.DEFLECTION AT 31,190 LBS
- 3. TEST#3.DEFLECTION AT 30,085 LBS
- 4. TEST#4.DEFLECTION AT 31,190 LBS

Test Report

IDENTIFICATION: SYSTEM SCAFFOLD
DESCRIPTION: 3 TIER SYSTEM SCAFFOLD LOAD TEST

TOWER TEST #	YIELD LOAD (LBS)	DEVIATION FROM AVERAGE	LOAD PER LEG (LBS)	LOAD PER LEG (LBS) AT 4:1 SAFETY FACTOR
1	58,030	6.9%	14,505	3,625
2	64,870	4.1%	16,215	4,050
3	60,310	3.2%	15,075	3,765
4	66,010	5.9%	16,500	4,125
AVERAGE	62,305		15,570	3,890

The towers have been tested in accordance with CAN/CSA-S269.2-M87 and ANSI/SSFI SC-100/5-05



- 1. FULLY CONSTRUCTED SYSTEM SCAFFOLD
- 2. REPRESENTATIVE LEG FAILURE

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Test Report

IDENTIFICATION: CLAMP-R
DESCRIPTION: EN74 TEST

CHEMICAL ANALYSIS

		Q255, GRADE A			AISI 1020	
ELEMENT		RESULT%	MIN%	MAX%	MIN%	MAX%
C	=	0.18	0.14	0.22	0.18	0.23
MN	=	0.44	0.30	0.65	0.30	0.60
P	=	0.010	0.000	0.045	0.000	0.040
S	=	0.018	0.000	0.050	0.000	0.050

The material from Clamp – R meets Chinese steel Q255, Grade A. It also meets comparable US steel, AISI 1020

Hexagonal head of clamp bolts are tightened to 38 ft. Lbs. Prior to loading for all tests. SLIP LOAD

SLIP LOAD

COUPLER #	SLIP LOAD (MEASURED AFTER 0.275" TRAVEL)
1	8,565 LBS.
2	5,124 LBS.
AVERAGE	6,845 LBS.

With 4:1 safety factor, the average slip load value is 1,711 lbs.

ULTIMATE LOAD

COUPLER #	ULTIMATE LOAD	FAILURE MODE
1	14,580 LBS.	DEFORMATION OF PIVOT PIN
2	15,150 LBS.	DEFORMATION OF PIVOT PIN
AVERAGE	14,865 LBS.	

With 4:1 safety factor, the average ultimate load value is 3,716 lbs.

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Test Report

IDENTIFICATION: CLAMP-R
DESCRIPTION: EN74 TEST (CONTINUE FROM PAGE 59)



RIGHT ANGLE COUPLER TEST CONFIGURATION



RIGHT ANGLE # 1 . ULTIMATE LOAD OF 14,580 LBS.

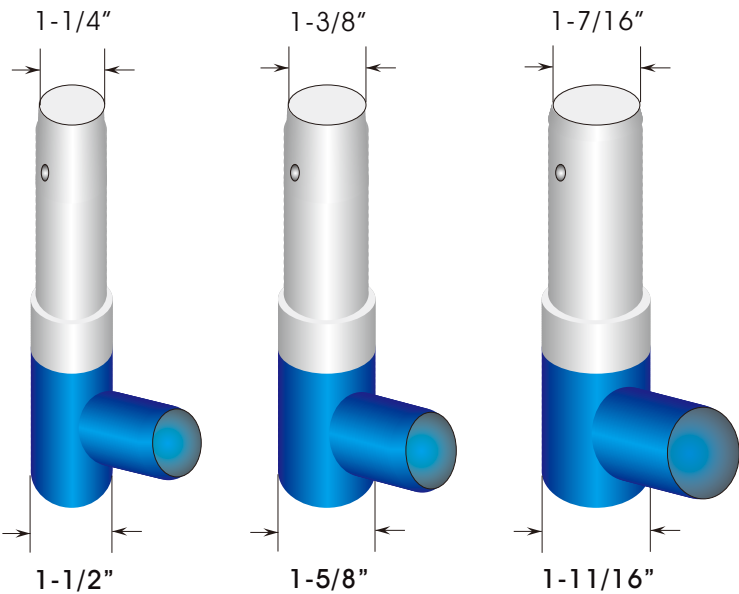


RIGHT ANGLE # 2, ULTIMATE LOAD OF 15,150 LBS.

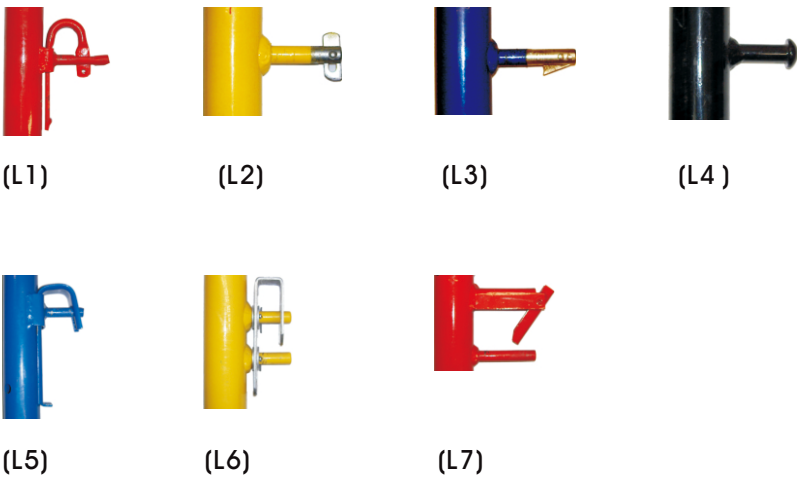


RIGHT ANGLE # 2, DEFORMATION OF PIVOT PIN, AND FORGING AROUND PIVOT PIN

Customize options



There are 3 kinds of tube size and 3 kinds of coupling pins fitting with different tube sizes



- (L1) — W LOCK
- (L2) — FLIP LOCK
- (L3) — DRIP LOCK
- (L4) — SNAP- ON LOCK
- (L5) — V LOCK
- (L6) — BJ LOCK
- (L7) — CANADIAN LOCK

Notes

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