

# UNIVERSAL Scaffolding

## CATALOG

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Shoring • Frame Scaffolding • Shoring • Systems • Systems Scaffolding •  
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**u** UNIVERSAL  
MANUFACTURING

# UNIVERSAL Scaffolding

[universalscaffold.com](http://universalscaffold.com)

## **Our Strength is Your Support**

Universal Manufacturing Corporation has been pioneering high-quality American made, steel scaffolding, shoring and custom fabricated access equipment for more than 80 years. If you are looking for dependable Frame, Shoring, System, Tube & Clamp, Custom, or your current inventory scaffolding, Universal has a cost-effective solution for you.



Universal is committed to designing, producing and delivering the highest quality American-Made scaffolding to our customers around the world — competitively and on time.

A handwritten signature in black ink that reads "R. L. Carbeau". The signature is fluid and cursive, with a long horizontal stroke at the end.

Robert L. Carbeau,  
President

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# U UNIVERSAL MANUFACTURING



Your complex projects require precision and the most trusted materials.

Universal Manufacturing provides custom scaffolding solutions using only the latest technologies. Our engineering team dedicate themselves to accuracy and the details necessary to exceed expectations. Cost efficiency, innovative design and safety are standard with all layouts. We are also a full-service engineering team providing all of the R&D and testing your projects require. Universal has consistently achieved the highest standards in manufacturing scaffolding for more than 80 years. When you need trusted results, you need Universal Manufacturing.



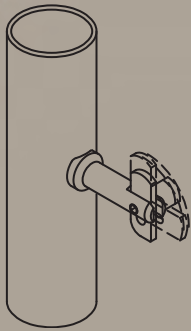
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Scaffolding • Frame Scaffolding • Our strength is your support • Systems S



# Frame Scaffolding

## Universal Line

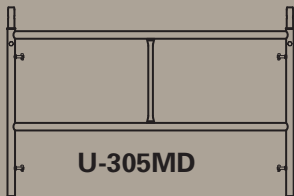
### Unibilt Frames



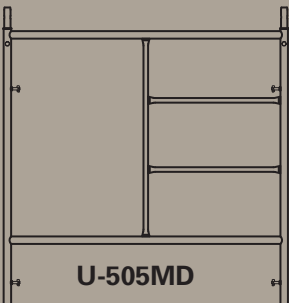
Easily assembled scaffolding for masonry, maintenance and shoring.

- Fast erection and dismantling
- Durable riveted angle iron braces
- Quick, positive Unilok brace lock
- Large range of available panel sizes and configurations
- High strength steel tubing

### Mason Frames



U-305MD



U-505MD

Our extra strong, dependable frame scaffolding provides four plank bearing levels with large open bays to facilitate materials and equipment.

Part I.D.	Product Description	Weight
U-305MD	3' High x 5' Wide Mason Frame	28.00
U-405MD	4' High x 5' Wide Mason Frame	31.00
U-465MD	4' 6" High x 5' Wide Mason Frame	35.00
U-505MD	5' High x 5' Wide Mason Frame	39.00

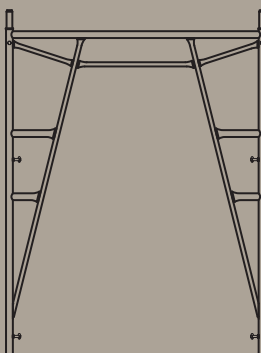
### Walkthru Frames

High quality walkthrough frames for any industry.

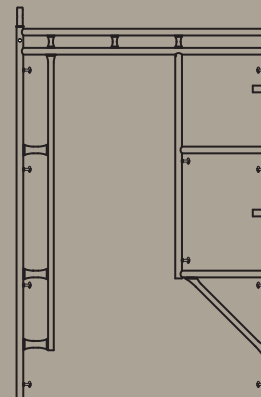
Part I.D.	Product Description	Weight
U-663BD	6' 6" High x 3' Wide Narrow Walkthru Panel	47.00
U-665ED	6' 6" High x 5' Wide Walkthru Panel	55.00
U-765AGD	7' 6" High x 5' Wide Mason Walkthru Panel	64.00



U-663BD

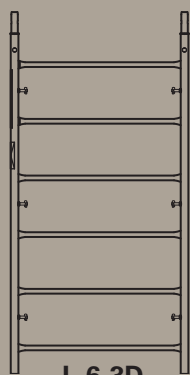


U-665ED



U-765AGD

## Ladder Frames



L-6-3D

Perfect for doorway passage, with a durable plank bearing member every 12"

Part I.D.	Product Description	Weight
L-4-2D	4' High x 2' Wide Ladder Frame	19.00
L-4-3D	4' High x 3' Wide Ladder Frame	26.00
L-5-2D	5' High x 2' Wide Ladder Frame	24.00
L-5-3D	5' High x 3' Wide Ladder Frame	32.00
L-6-2D	6' High x 2' Wide Ladder Frame	28.00
L-6-3D	6' High x 3' Wide Ladder Frame	38.00

## Cross Braces



7-HL

Heavy duty, double hole, angle cross brace for use with 3' and higher Unibilt Frames.

Part I.D.	Product Description	Weight
4-HL	4' Long x 3' 6" x 2' Double Hole Angle Iron Brace	10.00
5-HL	5' Long x 3' 6" x 2' Double Hole Angle Iron Brace	11.00
7-HL	7' Long x 3' 6" x 2' Double Hole Angle Iron Brace	14.00
8-HL	8' Long x 3' 6" x 2' Double Hole Angle Iron Brace	17.00
10-HL	10' Long x 3' 6" x 2' Double Hole Angle Iron Brace	19.00

## Safety Rails/Guard Posts/End Gates



UGP-DA

Provides a safe, strong rail parallel with the scaffolding spans.

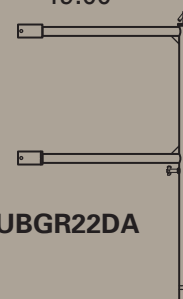
Part I.D.	Product Description	Weight
2-S	2' Galvanized Tubular Safety Rail	2.00
3-S	3' Galvanized Tubular Safety Rail	3.00
4-S	4' Galvanized Tubular Safety Rail	4.00
5-S	5' Galvanized Tubular Safety Rail	5.00
7-S	7' Galvanized Tubular Safety Rail	6.00
8-S	8' Galvanized Tubular Safety Rail	7.00
10-S	10' Galvanized Tubular Safety Rail	9.00
UGP-DA	Guard Post	6.00
EG-50D	End Guard Rail Panel	16.00
UBGR22DA	22" End Side Bracket Guard Rail	19.00



7-S



EG-50D



UBGR22DA

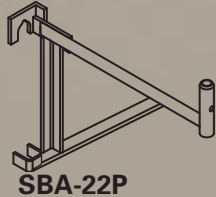




# Frame Scaffolding

## Universal Line

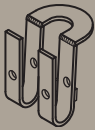
### Brackets



Durable angle iron bracket with guard post adapter already attached.

Part I.D.	Product Description	Weight
SBA-22P	22" Side Bracket	12.00
SBAE-22P	22" End Bracket	12.00

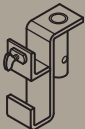
### Putlog and Putlog Accessories



PSW-HC

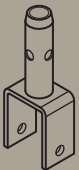
**PSW PUTLOG:** Used to connect two rows of scaffolds spanning obstruction and provide a working platform at the top of scaffolds, eliminating rows of frames.

**PSW-HC PUTLOG HANGER:** A rigid support that allows putlogs to run in either direction. Safely attaches without bolts or tools. Hooks over coupling pins and rests on frame girt. Two required per putlog.



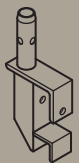
PSW-HS

**PSW-HS:** Same function as PSW-HC but sits directly into frame leg, eliminating the frame coupling pin. Two required per putlog.



PPS-80

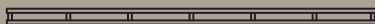
**PPS-80 FRAME SUPPORT:** Locks over putlogs to erect panels above spans.



PPS-120

**PPS-120 OFFSET FRAME SUPPORT:** Locks over putlogs and provides support for frames positioned in exact alignment with tower frames.

Part I.D.	Product Description	Weight
PSW-12	12' Putlog	39.00
PSW-15	15' Putlog	69.00
PSW-22	22' Putlog	116.00
PSW-33	33' Putlog	174.00
PSW-HS	Putlog Hanger	6.00
PSW-HC	Putlog Hanger	5.00
PPS-80	Frame Support	4.00
PPS-120	Offset Frame Support	4.50



PSW-12

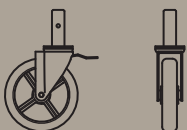


PSW-22



PSW-33

### Casters



F-8R

**STEM TYPE:** F-8R Caster mounts directly to scaffold leg or to U12AL adjustable base stem. Rubber tire with foot-activated pressure lock, locking swivel and roll simultaneously. No base required.

**PLATE TYPE:** P-12R Caster attaches to S-20 plain base. Rubber tire with foot-activated pressure lock.



P-12R

Part I.D.	Product Description	Weight
F-8R	8" Swivel Locking Caster	12.50
P-12R	12" Plate Wheel Lock	38.00

## Bases



U14AB



U12AL



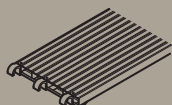
S-20U

**U12AL ADJUSTABLE BASE STEM:** Provides up to a 12" adjustment to level scaffold at base. Requires stem-type caster or S-20 base when used at base of scaffold.

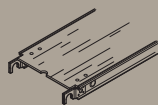
**S-20U PLAIN BASE:** Converts U12AL adjustable base stem into an adjustable base. Fits into leg of frame to provide bearing on floor or mud sill.

Part I.D.	Product Description	Weight
U14AB	Adjustable Screw Jack	10.00
U12AL	Adjustable Screw Leg with Socket	13.00
S-20U	Base Plate	2.00

## Plank



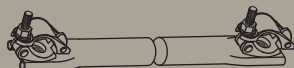
EAP-70



AP-70

Part I.D.	Product Description	Weight
EAP-70	7' Long x 19" Wide Aluminum Plank	30.00
EAP-100	10' Long x 19" Wide Aluminum Plank	41.00
AP-70	7' Long x 19" Wide Aluminum/Plywood Plank	27.00
AP-100	10' Long x 19" Wide Aluminum/Plywood Plank	43.00

## Plan Brace

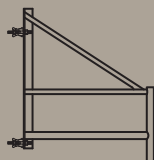


UPB5070

Squares scaffold section and provides diagonal bracing in the Horizontal Plan Brace. Required for all rolling towers.

Part I.D.	Product Description	Weight
UPB5070	5' x 7' Horizontal Plan Brace	20.5

## Clamp-on Outrigger



AO-26

Clamps to any panel for additional base width with added stability.

Part I.D.	Product Description	Weight
AO-26	2' 6" Outrigger	13.50

## Adjustable Wall Tie



U48WT

Quickly secures scaffold to building structure.

Part I.D.	Product Description	Weight
U48WT	4' Adjustable Wall Tie	5.00



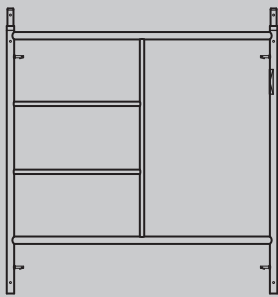
# Frame Scaffolding

## Black Line

### Black Line

An economical resale scaffold developed exclusively for Universal Manufacturing to meet or exceed all testing parameters.

#### Mason Frame



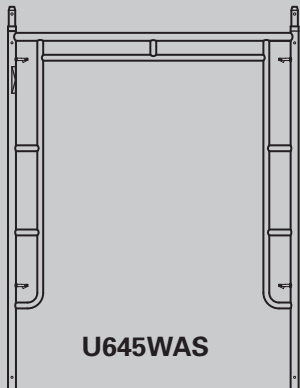
U505MAS

**Part I.D.**  
U505MAS

**Product Description**  
5' High x 5' Wide Mason Frame

**Weight**  
39.00

#### Walkthru Frame



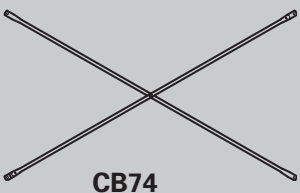
U645WAS

**Part I.D.**  
U645WAS

**Product Description**  
6' 4" High x 5' Wide Walkthru Frame

**Weight**  
46.00

#### Cross Braces



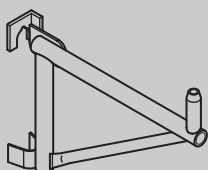
CB74

**Part I.D.**  
CB44  
CB54  
CB74  
CB84  
CB104

**Product Description**  
4' Long x 4' Tubular Galvanized Crossbrace  
5' Long x 4' Tubular Galvanized Crossbrace  
7' Long x 4' Tubular Galvanized Crossbrace  
8' Long x 4' Tubular Galvanized Crossbrace  
10' Long x 4' Tubular Galvanized Crossbrace

**Weight**  
8.00  
10.00  
12.00  
14.00  
16.50

#### Side Bracket



SBA20M

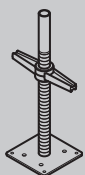
**Part I.D.**  
SBA20M

**Product Description**  
20" Tubular Side Bracket

**Weight**  
9.00



## Bases

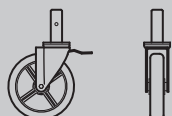


U14AB

Provides 12" of adjustment for leveling the scaffold. Fits directly into frame leg of scaffold.

Part I.D.	Product Description	Weight
U14AB	Screw Jack	10.00

## Caster



MAC

Part I.D.	Product Description	Weight
MAC	8" Swivel Locking Caster	13.00

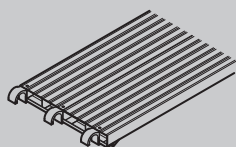
## Guard Post/Safety Rails



UGPB

Part I.D.	Product Description	Weight
UGPB	Guard Post	6.00
4-S	4' Safety Rail	3.50
5-S	5' Safety Rail	4.00
6-S	6' Safety Rail	5.00
7-S	7' Safety Rail	6.00
8-S	8' Safety Rail	7.00
10-S	10' Safety Rail	9.00

## Plank



EAP-70

Part I.D.	Product Description	Weight
EAP-70	7' Aluminum Plank	30.00
EAP-100	10' Aluminum Plank	41.00

## Coupling Pin/Spring Clip



CP-01



VP-01

Part I.D.	Product Description	Weight
CP-01	Coupling Pin	1.00
VP-01	Spring Clip	0.25



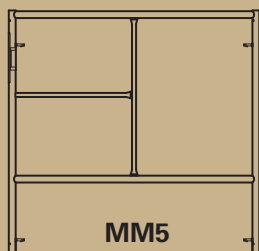
# Frame Scaffolding

## Master Line

### Master Line

All Master Line Frames are manufactured with Quick Locks, unless specified otherwise, and located 8.5" from the top of the frame. Non-standard stud spacing must be specified. Available in a variety of colors. Coupling pins are sold separately.

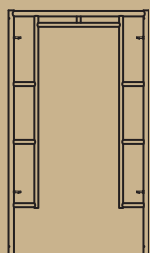
### Mason Frames



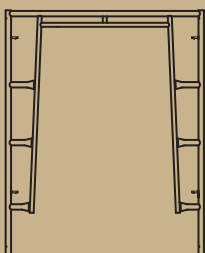
MM5

Part I.D.	Product Description	Weight
MM3	3' High x 5' Wide Mason Frame	27.00
MM4	4' High x 5' Wide Mason Frame	34.00
MM5	5' High x 5' Wide Mason Frame	37.00
MM64	6' 4" High x 5' Wide Mason Frame	43.00

### Walkthru Frames



MW3664



MW64

Part I.D.	Product Description	Weight
MW3664	6' 4" High x 3' 6" Wide Walkthru Frame	39.00
MW64	6' 4" High x 5' Wide Walkthru Frame	43.00

### Ladder Frames



ML5

Part I.D.	Product Description	Weight
ML26	2' 6" High x 3' 6" Wide Ladder Frame	19.60
ML39	3' 9" High x 3' 6" Wide Ladder Frame	29.10
ML5	5' High x 3' 6" Wide Ladder Frame	38.60
ML64	6' 4" High x 3' 6" Wide Ladder Frame	48.50

### Bases



U14AB



MAL



MB

Part I.D.	Product Description	Weight
U14AB	Adjustable Screw Jack	10.00
MAL	Adjustable Screw Leg with Socket	14.20
MB	Base Plate	3.00

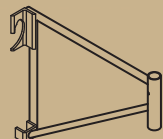
### Caster



MAC

Part I.D.	Product Description	Weight
MAC	8" Swivel Locking Caster	13.80

## Side Brackets



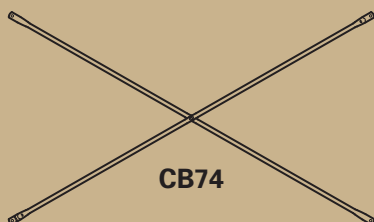
MSB20

**Part I.D.**  
MSB20

**Product Description**  
20" Tubular Side Bracket

**Weight**  
8.50

## Cross Braces



CB74

Part I.D.	Product Description	Weight
CB42	4' Long x 2' Tubular Galvanized Crossbrace	8.00
CB44	4' Long x 4' Tubular Galvanized Crossbrace	8.50
CB52	5' Long x 2' Tubular Galvanized Crossbrace	9.50
CB54	5' Long x 4' Tubular Galvanized Crossbrace	10.00
CB72	7' Long x 2' Tubular Galvanized Crossbrace	11.50
CB74	7' Long x 4' Tubular Galvanized Crossbrace	12.00
CB82	8' Long x 2' Tubular Galvanized Crossbrace	13.00
CB84	8' Long x 4' Tubular Galvanized Crossbrace	14.00
CB102	10' Long x 2' Tubular Galvanized Crossbrace	15.25
CB104	10' Long x 4' Tubular Galvanized Crossbrace	16.50

## Guard Post



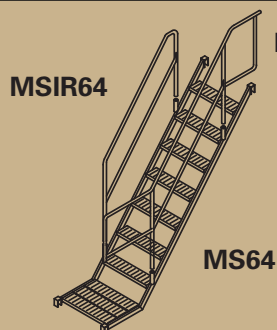
MGCF

**Part I.D.**  
MGCF

**Product Description**  
Female Guard Post

**Weight**  
9.20

## Stairs



MSIR64

MS64

Part I.D.	Product Description	Weight
MS64	6' 4" Stair Unit	74.00
MSIR64	6' 4" Inside Hand Rail	18.50
MSOR64	6' 4" Outside Hand Rail	30.00

## Coupling Pin/Spring Clip



CP-01



VP-01

**Part I.D.**  
CP-01  
VP-01

**Product Description**  
Coupling Pin  
Spring Clip

**Weight**  
1.25  
0.25



# SAFETY INSTRUCTIONS

## PRIOR TO ERECTION

1. 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.
2. Always follow all state, local and federal codes, ordinances and regulations pertaining to scaffolding.
3. Prior to erecting scaffolding, survey 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 should be corrected or avoided.
4. Inspect all equipment before use. Keep all equipment in good repair. Do not use equipment that is damaged or deteriorated.
5. Scaffold design must include analysis of load-carrying members by properly qualified personnel. Load-carrying information is available from your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
6. Scaffold must be erected, moved or disassembled only under the supervision of competent persons.
7. Stationary scaffold over 125' in height and rolling scaffolds over 60' in height must be designed by a professional engineer.
8. Never take chances! If in doubt regarding the safety or use of the scaffold, consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
6. Install horizontal members on each rosette and firmly set wedges immediately before placing the next member. Do not stand, lean or put weight on horizontal members until the wedges are fully set.
7. Do not climb vertical posts, horizontal members or bracing. Use only proper safe access. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP. for access information.
8. Horizontal and/or vertical diagonal bracing may be required to prevent racking of the scaffold structure. Consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.
9. Do not use truss bearers without thorough consideration for the loads to be supported. Do not cantilever truss bearers or other horizontal members.
10. Install guardrails, mid-rails and toeboards at all openings, open sides and ends of every working platform. Assure that guardrails, mid-rails and toeboards are in place whenever a scaffold level is planked. Guardrail posts must be secured to brackets or posts by pinning or bolting.
11. If prefabricated planks or platforms are used, use only planks designed to use on UNIVERSAL SYSTEM SCAFFOLDS.
12. Work platforms must be fully planked either with lumber that has been properly inspected and graded as scaffold plank or with fabricated platforms or planks in good condition.

## ERECTION OF FIXED SCAFFOLD

1. Scaffold base must be set on an adequate sill or pad. Base plates must be in firm contact with both sills and vertical posts. Any part of a building or structure used to support the scaffolding must be capable of supporting the load to be applied.
2. Use adjusting screws with base plates only to adjust for uneven grade conditions.
3. Wear safety glasses and hard hats when erecting and dismantling System Scaffolds.
4. Plumb and level all scaffolds at the base ring level as the erection proceeds. Do not force members to fit – level the scaffold until proper fit can be easily made.
5. Secure all wedge connections before assembly of next level.
- a. Scaffold plank must have at least 12" of overlap and shall extend not less than 6" nor more than 12" beyond the centers of their end supports (bearers).
- b. Single span planks must be cleated at both ends to prevent planks from sliding off their supports or must be of a prefabricated type having hooks to seat over bearers and restrain the planks from movement.
- c. Secure planking to scaffold when necessary.
- d. Planking must be placed across the full width of scaffold platforms.
13. Wall scaffolds must be butted and tied in to adequate anchors secured at least every 30' horizontally and at least every 26' vertically. To assure the stability of the scaffold during erection and dismantling, place the first level of ties and butts at a height above the base not greater than four times the width of the scaffold. Also, when extended more than one bay, install ties and

butts at tops and ends of scaffold or lift above or beyond the previous tie position.

- a. Ties should be installed as the erection progresses and not removed until the scaffold is dismantled to that height.
  - b. Cantilevered platforms, pulleys or hoist arms and wind conditions introduce overturning and uplift forces that must be considered and compensated. These assemblies may require additional bracing, tying or guying.
  - c. Circular scaffolds erected completely around or within a structure may be restrained from tipping by the use of a "stand off" bracing member.
  - d. Stair towers must be tied and butted at least every 13' vertically.
  - e. Each post of a free-standing tower must be guyed at the intervals outlined above or otherwise restrained to prevent tipping or overturning.
  - f. At every tie level, install continuous horizontal diagonal bracing for the full length of the scaffold.
14. After erecting scaffold, be sure screw jacks are in firm contact with starter collars or posts.
  15. If in doubt as to the ability of the equipment to do a particular job, consult your UNIVERSAL DEALER or UNIVERSAL MANUFACTURING CORP.

## ERECTION OF ROLLING SCAFFOLDS

1. Height of the tower must not exceed four times the minimum base dimension (three to one in the State of California). Outrigger frames or outrigger units on both sides of the tower may be used to increase base width dimensions when necessary.
2. All casters must be secured to adapters with nuts and bolts. Total weight of the tower should not exceed the capacity of the casters.
3. Screw jacks must not be extended more than 12" above the caster base. Tower must be kept level and plumb at all times.
4. Horizontal/diagonal bracing must be used at the bottom and top of tower and at intermediate levels of 20'. Fabricated plank with hooks may replace top diagonal brace.
5. Only prefabricated plank or cleated plank should be used.
6. Casters must be locked at all times the scaffold is not being moved.



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