

UNIVERSAL Scaffolding

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UNIVERSAL Scaffolding

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".

Robert L. Carbeau,
President

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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.




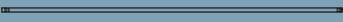


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Endlok Scaffolding

Scaffold Tube

	Part I.D.	Product Description	Weight
 TS-2-6	TS-2-4	4' Endlok Scaffold Tube	11.00
	TS-2-6	6' Endlok Scaffold Tube	14.00
 TS-2-8	TS-2-8	8' Endlok Scaffold Tube	18.00
	TS-2-10	10' Endlok Scaffold Tube	21.00
 TS-2-10	TS-2-13	13' Endlok Scaffold Tube	27.00
	TS-2-16	16' Endlok Scaffold Tube	34.00
 TS-2-13	TS-2-20	20' Endlok Scaffold Tube	40.00

Scaffold Rack



U-SR-CS

Part I.D.	Product Description	Weight
U-SR-CS	Scaffold Rack	103.00

Clamps



USC



UGC-S

Part I.D.	Product Description	Weight
URC	Rigid Dual Purpose Scaffold Clamp	4.00
USC	Swivel Dual Purpose Scaffold Clamp	4.00
UGC	Rigid Beam Clamp	3.50
UGC-S	Swivel Beam Clamp	2.00

Wrenches



UCW



UPW

Part I.D.	Product Description	Weight
UCW	Scaffold Wrench	2.00
UPW	Clamp Socket Wrench with Hammer	4.00

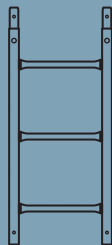
Base



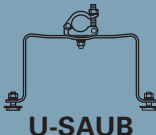
MBP-1

Part I.D.	Product Description	Weight
MBP-1	Male Base Plate	5.00

Ladders



U-SAU3



U-Saub

Part I.D.	Product Description	Weight
U-SAU3	3' Clamp-on Ladder	10.00
U-SAU6	6' Clamp-on Ladder	21.00
U-Saub	Ladder Bracket	6.00

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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