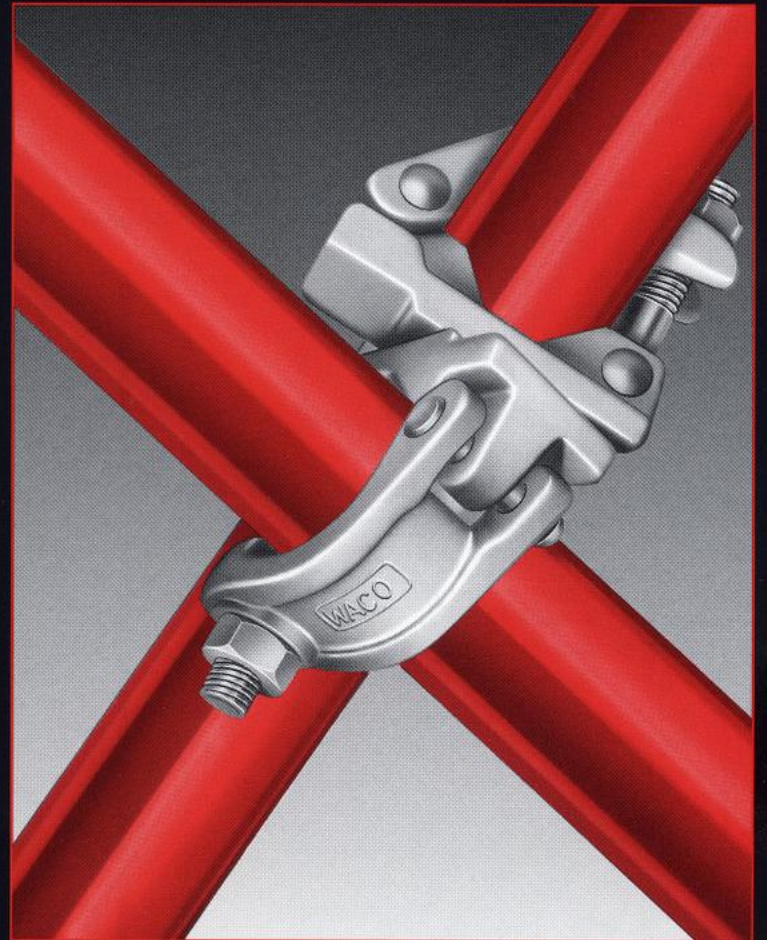




WACO® *FastTube*™



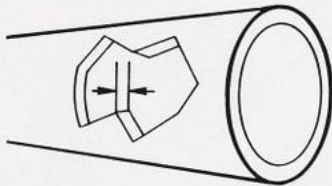
**Tube & Clamp
Scaffolding and
Accessories**

WACO®
Scaffolding & Equipment



WACO® FASTUBE™ UNIVERSAL TUBE &

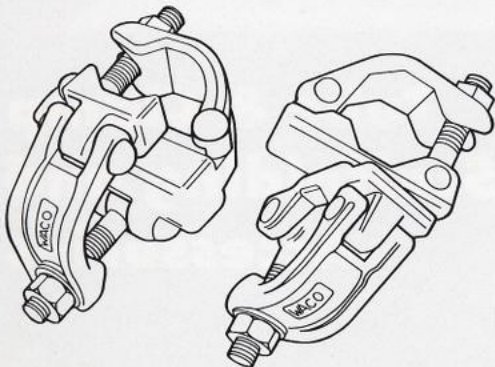
Waco® FasTube tube and clamp scaffolding is a versatile means of creating access for projects where there are complex shapes and/or limited access to the area. Assembled from individual lengths of galvanized tubing with rugged forged end fittings, and durable forged clamps, FasTube is easily transported and quickly erected into a completely custom access system.



FasTube is made of high strength 1.90" O.D. tubing for maximum strength and durability. The tubes are galvanized to provide long, maintenance-free life.

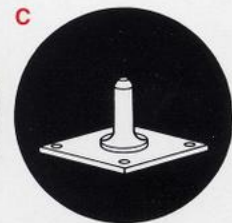
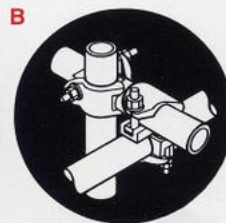
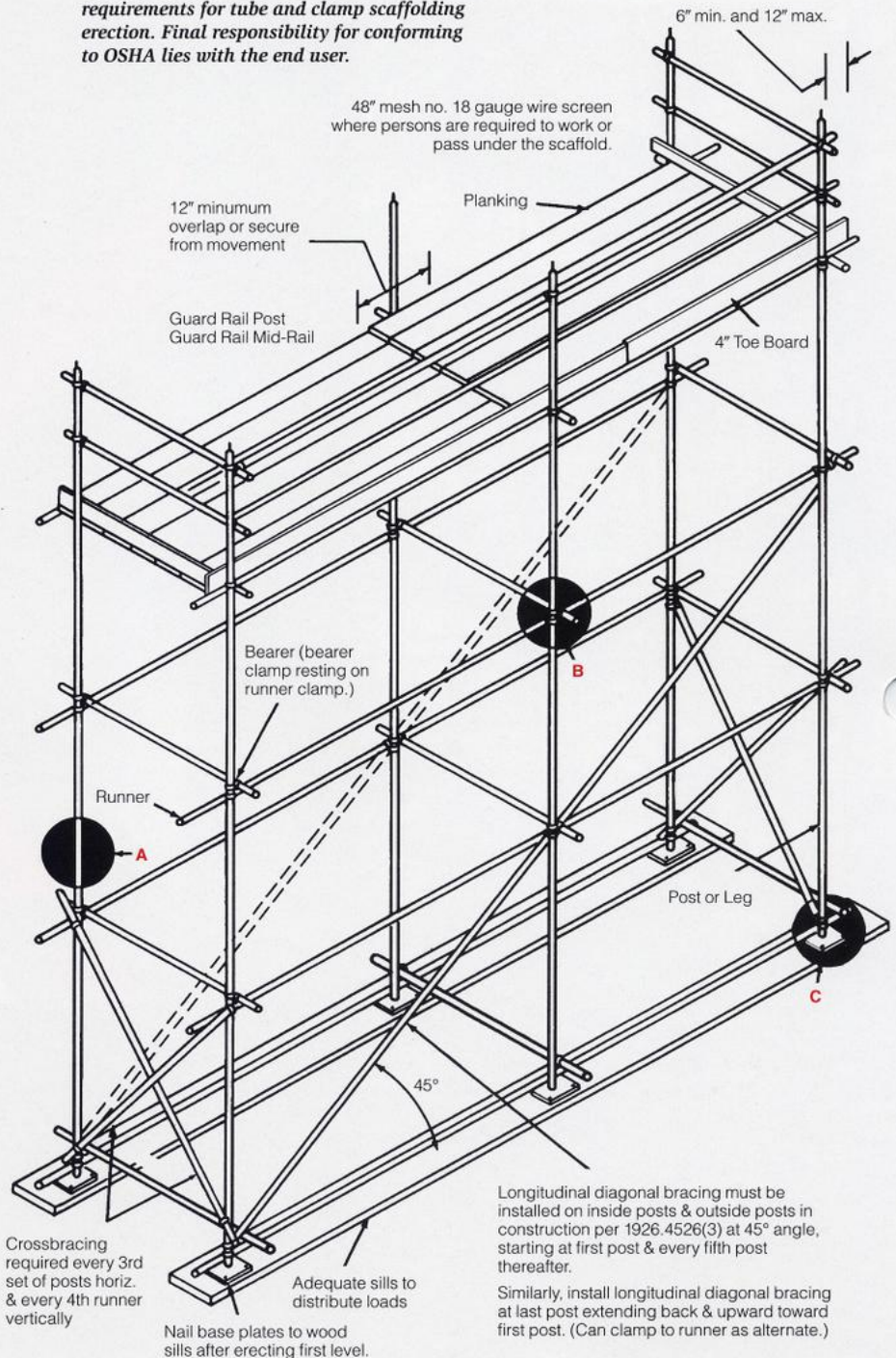


Rugged, forged steel bayonet type twist-lock fittings are affixed into the end of the tubes for positive assembly. The fittings are also galvanized for corrosion resistance.



Couplers are made of drop forged steel and galvanized for corrosion resistance. There are a variety of sizes and styles including a dual-purpose style which will accommodate both 1.90" O.D. and 1.625" O.D. tubing for use with standard frame scaffolding.

This represents WACO's interpretation of OSHA requirements for tube and clamp scaffolding erection. Final responsibility for conforming to OSHA lies with the end user.

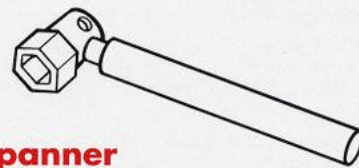


CLAMP SCAFFOLDING SYSTEM



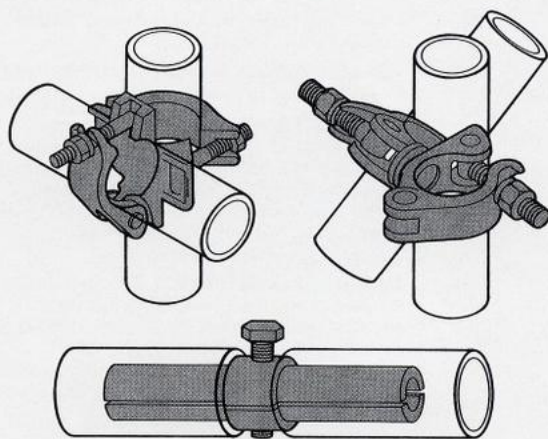
FasTube with Fittings

Part No.	Length	Weight
0480-05	5'	12.5 lbs.
0480-06	6'	14.0 lbs.
0480-08	8'	18.0 lbs.
0480-10	10'	22.0 lbs.
0480-12	12'	25.5 lbs.
0480-13	13'	27.5 lbs.
0480-16	16'	30.0 lbs.



Swing Over Box Spanner

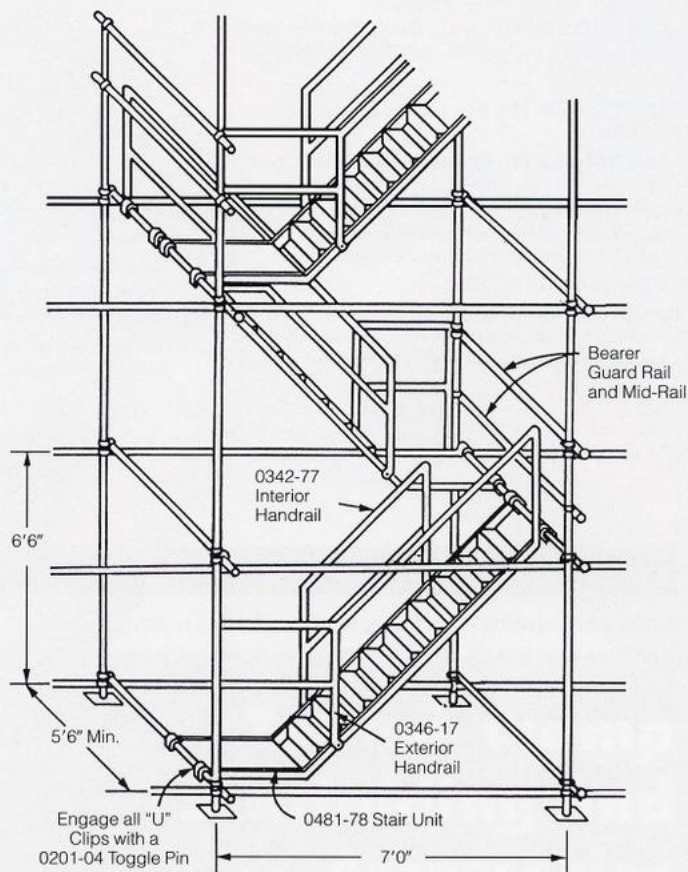
Part No.	Description	Weight
0400-00	7/8" hex ID fixed wrench	1.0 lb.



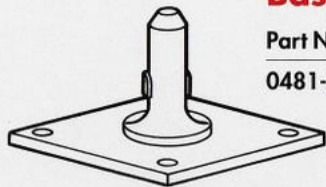
Fastube Clamps

Part No.	Description	Tube Size	Weight
0421-01	Swivel type	1.90"	3.0 lbs.
0422-01	Right Angle	1.90"	3.0 lbs.
0421-02	Dual Purpose, Swivel	1.625" - 1.90"	3.0 lbs.
0422-02	Dual Purpose, Right Angle	1.625" - 1.90"	3.0 lbs.
0425-00	Inside Connector	1.90"	2.0 lbs.
0403-00	Side by Side	1.625"	2.5 lbs.

NOTE: Swivel type couplers have a center pin shear load limitation of 1,500 lbs. with a 4:1 safety factor. Right Angle type couplers have a slip load limitation of 2,000 lbs. with a 4:1 safety factor when properly assembled



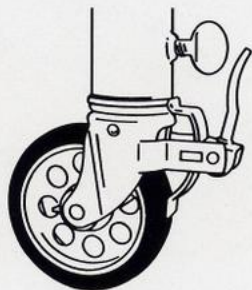
Base Plate



Part No.	Description	Weight
0481-00	5" x 5" with male bayonet end	4.0 lbs.

Caster

Part No.	Description	Weight
0488-00	Heavy duty 8" diameter Caster with brake	14.8 lbs.



Internal Accessway

Part No.	Description	Weight
0481-78	24" accessway	61.0 lbs.
0342-77	Bolt-on interior handrail (includes fasteners)	16.0 lbs.
0346-17	Bolt-on exterior handrail (includes fasteners)	28.0 lbs.

Note: Accessway must be tied to existing structure or guyed every third tier high. Follow Federal, State and Local Codes.

SCAFFOLDING SAFETY RULES (as recommended by Scaffolding Shoring and Forming Institute)

Following are some common sense rules designed to promote safety in the use of steel scaffolding. These rules are illustrative and suggestive only, and are intended to deal only with some of the many practices and conditions encountered in the use of scaffolding. The rules do not purport to be all-inclusive or to supplant or replace other additional safety and precautionary measures to cover usual or unusual conditions. They are not intended to conflict with, or supersede, any state, local, or federal statute or regulation; reference to such specific provisions should be made by the user.

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

FOLLOW ALL STATE, LOCAL AND FEDERAL CODES, ORDINANCES AND REGULATIONS pertaining to scaffolding.

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

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

INSPECT ERECTED SCAFFOLDS REGULARLY to be sure that they are maintained in safe condition.

CONSULT YOUR SCAFFOLDING SUPPLIER WHEN IN DOUBT — scaffolding is his business. **NEVER TAKE CHANCES.**

PROVIDE ADEQUATE SILLS for scaffold posts and use base plates.

USE ADJUSTING SCREWS instead of blocking to adjust to uneven grade conditions.

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.

FASTEN ALL BRACES SECURELY.

DO NOT CLIMB ON CROSS BRACES. An access (climbing) ladder, access steps, frame designed to be climbed or equivalent safe access to the scaffold shall

be used.

ON WALL SCAFFOLDS, PLACE AND MAINTAIN ANCHORS securely between structure and scaffold at least every 30' of length and 25' of height.

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.

FREE STANDING SCAFFOLD TOWERS MUST BE RESTRAINED FROM TIPPING by guying or other means.

EQUIP ALL PLANKED OR STAGES AREAS with proper guardrails, midrails and toeboards along all open sides of ends of scaffold platforms.

POWER LINES NEAR SCAFFOLDS are dangerous — use caution and consult the power service company for advice.

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

DO NOT OVERLOAD SCAFFOLDS.

PLANKING:

- Use only lumber that is properly inspected and graded 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 supports.
- Fabricated scaffold planks and platforms, unless cleated or restrained by hooks, shall extend over their end supports at least 6", but not more than 12".
- Secure plank to scaffold when necessary.

FOR ROLLING SCAFFOLD, the following additional rules apply:

- **DO NOT RIDE ROLLING SCAFFOLDS.**
- **SECURE OR REMOVE ALL MATERIAL AND EQUIPMENT** from platform before moving scaffold.
- **CASTER BRAKES MUST BE APPLIED** at all times when scaffolds are not being moved.

• **CASTERS WITH PLAIN STEMS** shall be attached to the panel or adjustment screw by pins or other suitable means.

• **DO NOT ATTEMPT TO MOVE A ROLLING SCAFFOLD WITHOUT SUFFICIENT HELP** — watch out for holes in floor and overhead obstructions.

• **DO NOT EXTEND ADJUSTING SCREWS ON ROLLING SCAFFOLDS MORE THAN 12".**

• **USE HORIZONTAL DIAGONAL BRACING** near the bottom and at 20' intervals measured from the rolling surface.

• **DO NOT USE BRACKETS ON ROLLING SCAFFOLDS** without consideration of overturning effect.

• **THE WORKING PLATFORM HEIGHT OF A ROLLING SCAFFOLD** must not exceed four times the smallest base dimension unless guyed or otherwise stabilized.

FOR PUTLOGS & TRUSSES, the following additional rules apply:

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

• **PUTLOGS/TRUSSES SHOULD EXTEND AT LEAST 6'** beyond point of support.

• **PLACE PROPER BRACING BETWEEN PUTLOGS/TRUSSES** when the span of putlog/truss is more than 12'.

ALL BRACKETS shall be seated correctly with side brackets parallel to the frames and end brackets at 90° 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.

ALL SCAFFOLDING ACCESSORIES shall be used and installed in accordance with manufacturer's recommended procedure. Accessories shall not be altered in the field. Scaffolds, frames and their components manufactured by different companies shall not be intermixed.

Reprinting of this publication does not imply approval of product by the Institute or indicate membership in the Institute.

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⚠ WARNING ⚠

Before using, putting up or taking down scaffolding or shoring check with your boss as to its safe use. There are many ways you can be hurt or killed using scaffolding. Use all equipment in accordance with safety design requirements and standards.

SAFETY MUST COME FIRST!



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