WACO®
EQUIPMENT







The original WACO® RED premium frame scaffolding and shoring systems.

BRAND SAFWAY™

WACO® Premium Frame Scaffolding and Shoring System

Used by thousands of the industry's top contractors and professionals, Waco Red equipment delivers exceptional value, resulting in minimum annual cost of ownership. Now offered exclusively through BrandSafway, WACO RED scaffolding and shoring is manufactured according to the original equipment specifications, including loading and safety requirements.

Exacting Material Standards

Premium quality starts with material standards that are so exacting that each load of tubing for WACO RED comes from the mill with certification that the steel meets our specifications.

Rigorous Quality Standards

Rigorous quality control procedures are followed through all production stages to ensure both accuracy and consistency:

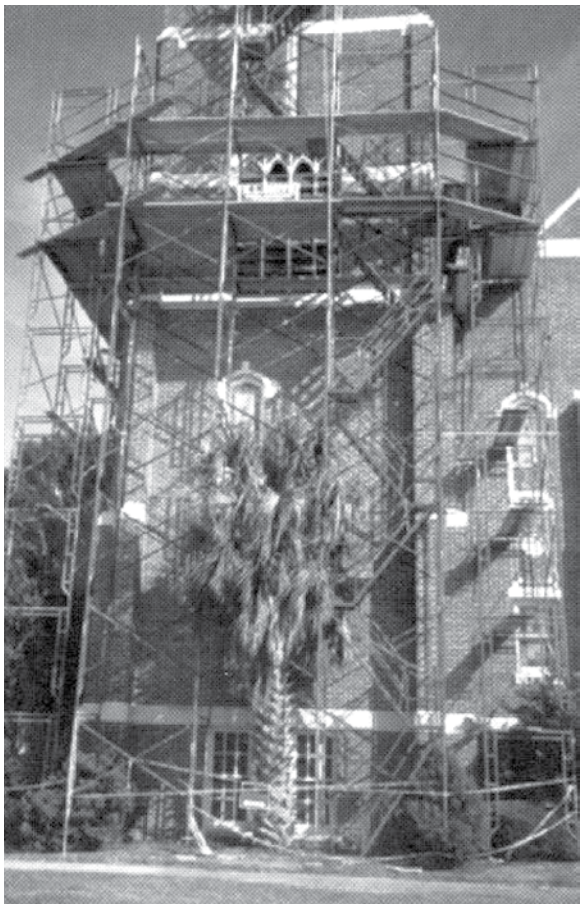
Durability By Design

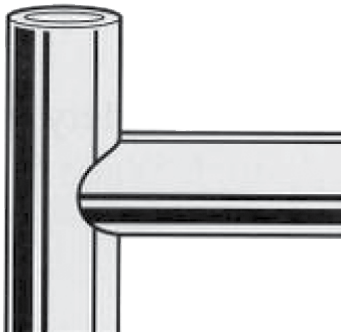
The superior strength and durability of WACO RED is realized through:

Tube Ends – Each tube end that forms a weld joint is coped to provide a larger welding surface.

Finish – The components are painted using state of the art powder coating that provides a more durable finish using paint formulated to Waco specifications.

Note: All product drawings and information in this catalog are for illustrative purposes only and are not to be considered in any way as an erection guide.





A Legacy of Excellence

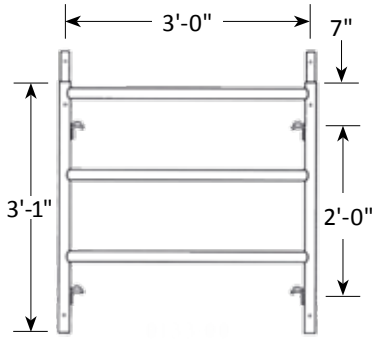
The WACO name has been associated with premium quality scaffold solutions since 1945. Top contractors and industry professionals look to Waco products for equipment superior in both performance and safety. BrandSafway is now the exclusive supplier of Waco Red equipment. With a commitment to safety as its foremost value, BrandSafway provides the broadest range of services, products and solutions, with the greatest depth of expertise, to the industrial, commercial and infrastructure end markets. With its global footprint, rigorous operating processes, and extensive service offerings — scaffolding and other work access solutions, insulation, coatings, specialty services, and forming and shoring — BrandSafway supports customers' maintenance, turnaround and refurbishment needs as well as new construction, capital-driven upgrades and expansion plans.

Speedlocks – The original Speedlock® is a forged steel locking system. Speedlocks® are standard on all Waco® Red Frames.

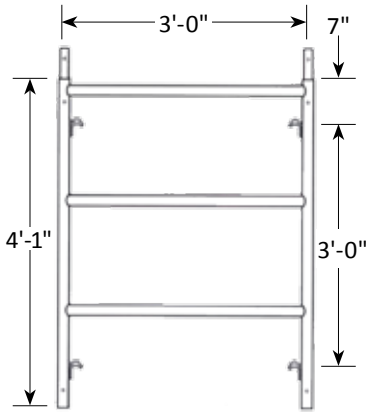
Full Range of Components – Various size frames, braces, guardrail systems, casters, brackets and ladder or stair access are available to complete your access needs.

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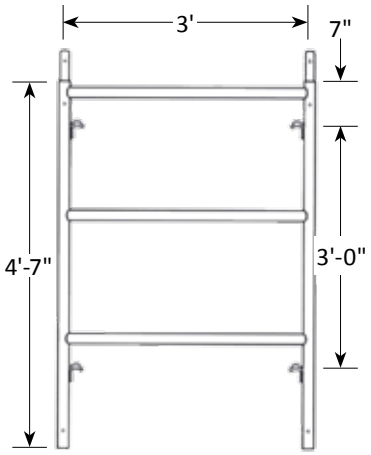
3' Wide Box Frames



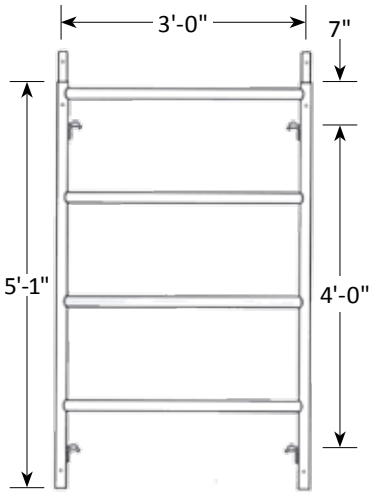
Part No.: WA013300
Weight: 23.4 lb



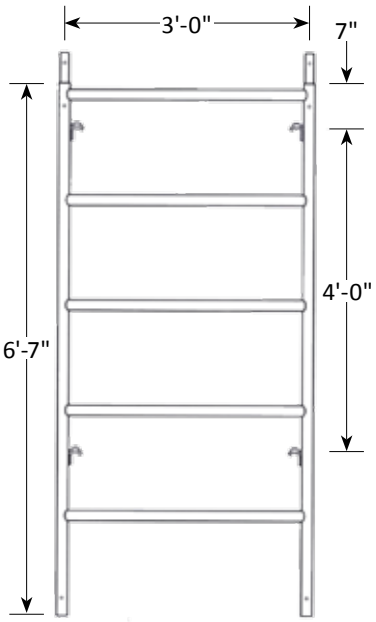
Part No.: WA013402
Weight: 30.0 lb



Part No.: WA013462
Weight: 27.8 lb



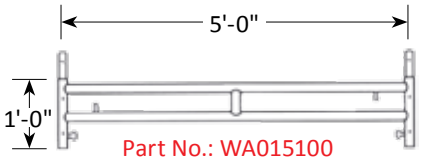
Part No.: WA013502
Weight: 32.1 lb



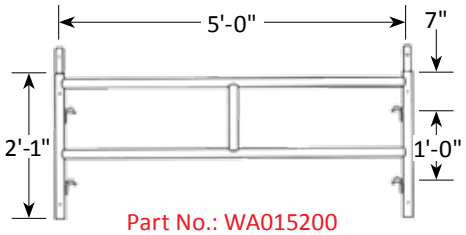
Part No.: WA013602
Weight: 40.6 lb

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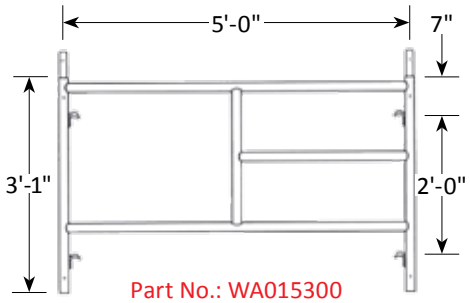
Standard Waco® Red Box Frames



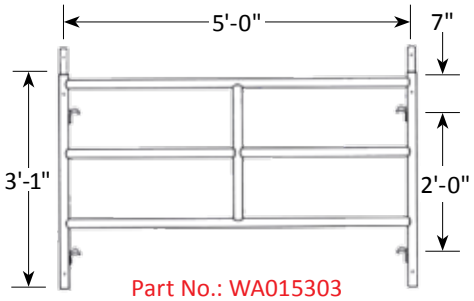
Part No.: WA015100
Weight: 18.7 lb



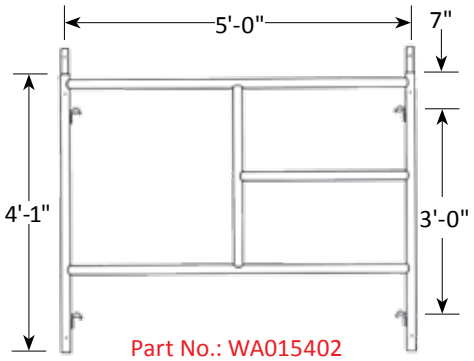
Part No.: WA015200
Weight: 25.4 lb



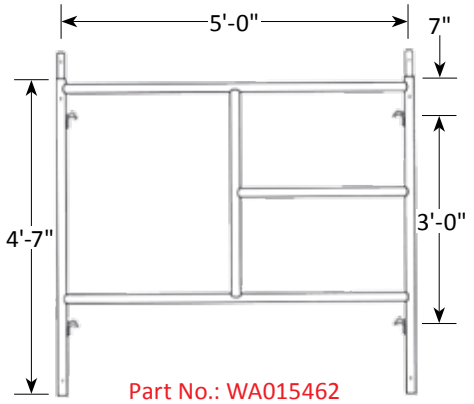
Part No.: WA015300
Weight: 32.1 lb



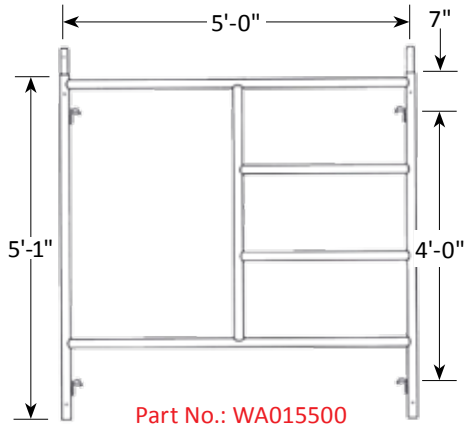
Part No.: WA015303
Weight: 34.7 lb



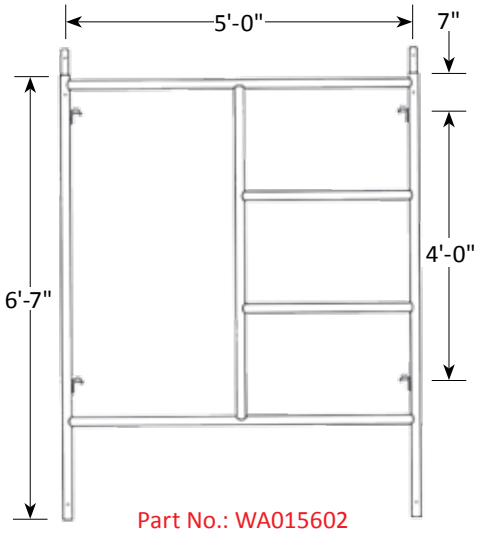
Part No.: WA015402
Weight: 35.6 lb



Part No.: WA015462
Weight: 37.6 lb



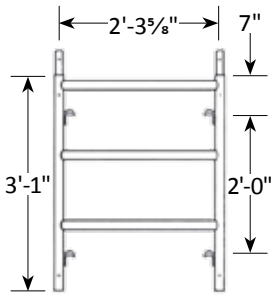
Part No.: WA015500
Weight: 42.4 lb



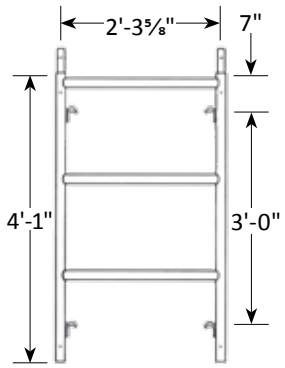
Part No.: WA015602
Weight: 48.2 lb

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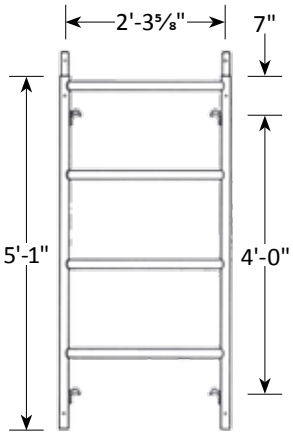
Narrow Frames



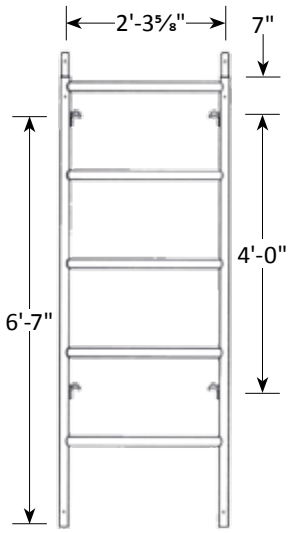
Part No.: WA012300
Weight: 21.0 lb



Part No.: WA012400
Weight: 23.8 lb

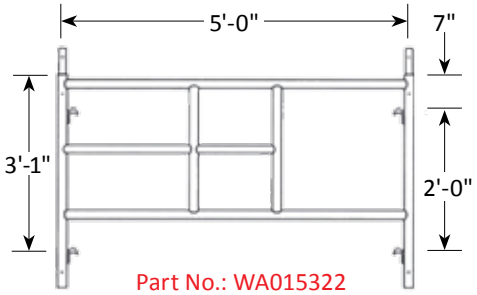


Part No.: WA012500
Weight: 29.2 lb

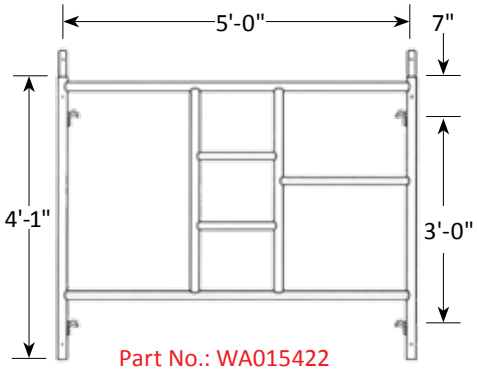


Part No.: WA012600
Weight: 36.8 lb

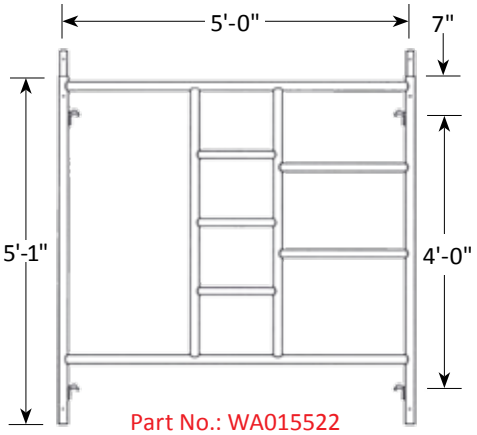
Access Frames



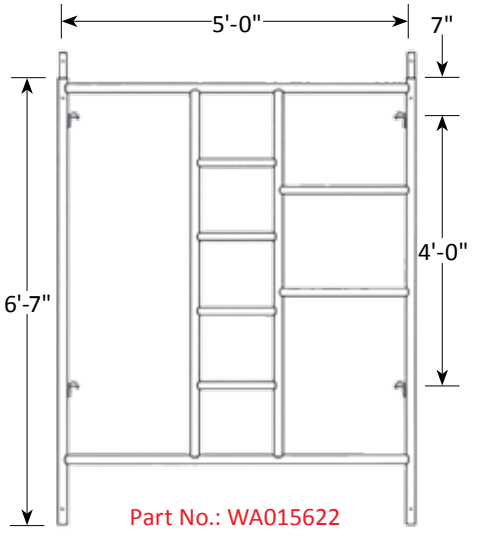
Part No.: WA015322
Weight: 34.5 lb



Part No.: WA015422
Weight: 38.2 lb



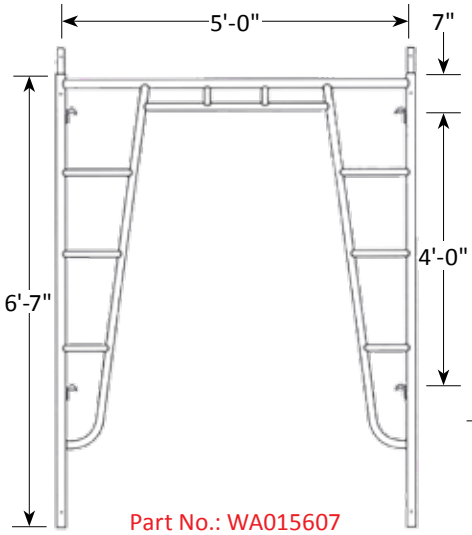
Part No.: WA015522
Weight: 54.2 lb



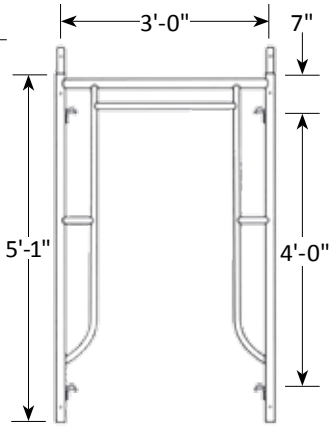
Part No.: WA015622
Weight: 60.0 lb

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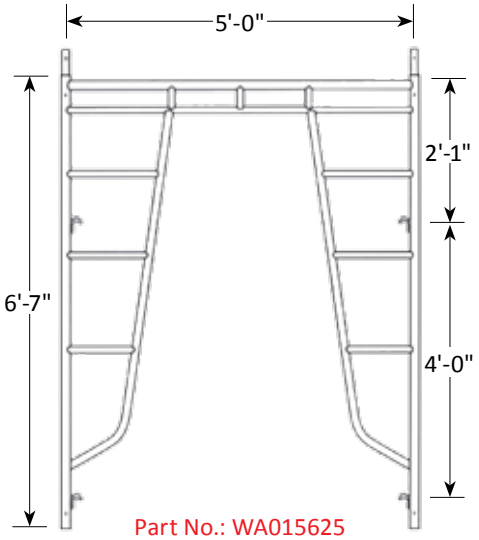
Walk Through Frames



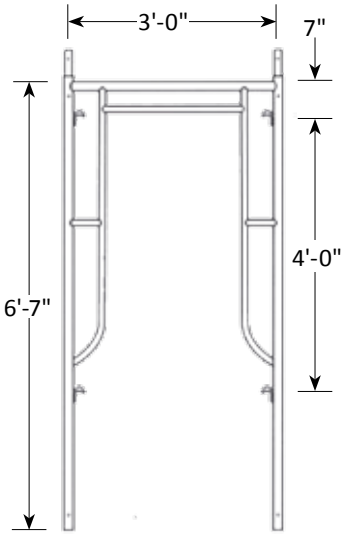
Part No.: WA015607
Weight: 51.6 lb



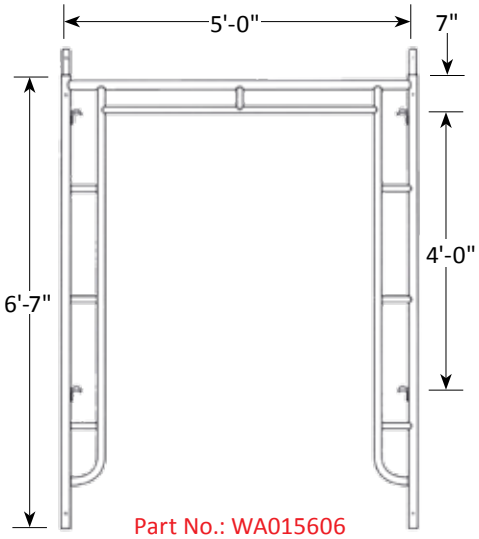
Part No.: WA013500
Weight: 34.9 lb



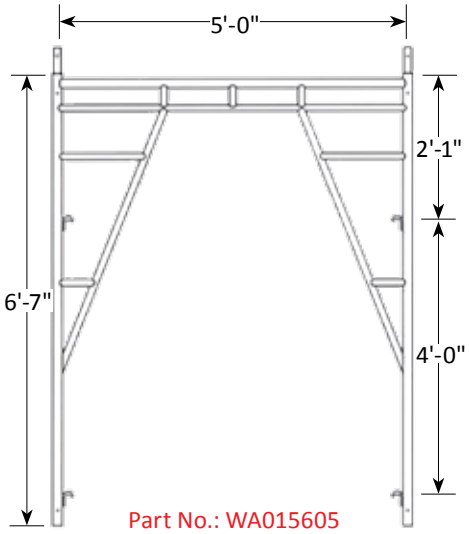
Part No.: WA015625
Weight: 55.4 lb



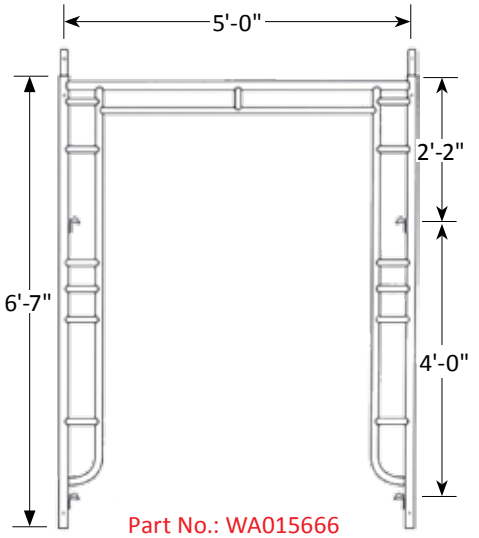
Part No.: WA013600
Weight: 40.1 lb



Part No.: WA015606
Weight: 56.4 lb



Part No.: WA015605
Weight: 49.1 lb



Part No.: WA015666
Weight: 58.4 lb

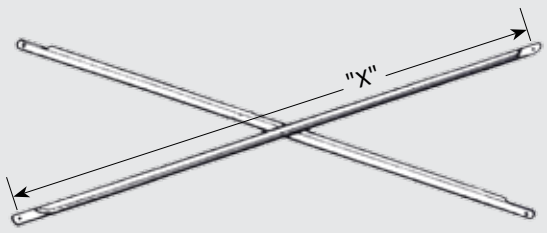
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Braces/Rolling Tower

Cross Braces

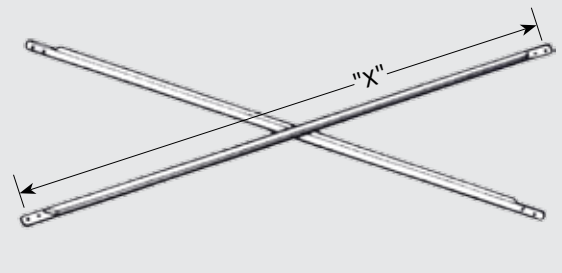
Angle Iron–Single Hole

Part No.	Lock Spacing	Frame Spacing	Weight lb	"X"
WA025205	1'	5'-0"	13.5	61¼"
WA025206	1'	6'-0"	12.7	73"
WA025207	1'	7'-0"	17.9	84⅞"
WA025208	1'	8'-0"	20.3	96¾"
WA025305	2'	5'-0"	11.9	64⅝"
WA025306	2'	6'-0"	13.3	75⅞"
WA025307	2'	7'-0"	15.9	87⅜"
WA025308	2'	8'-0"	17.1	99"
WA025405	3'	5'-0"	12.3	70"
WA025406	3'	6'-0"	14.1	80½"
WA025407	3'	7'-0"	16.7	91⅜"
WA025408	3'	8'-0"	17.7	102½"
WA025505	4'	5'-0"	13.3	76⅞"
WA025506	4'	6'-0"	15.9	86½"
WA025507	4'	7'-0"	16.7	96¾"
WA025508	4'	8'-0"	18.5	107⅜"

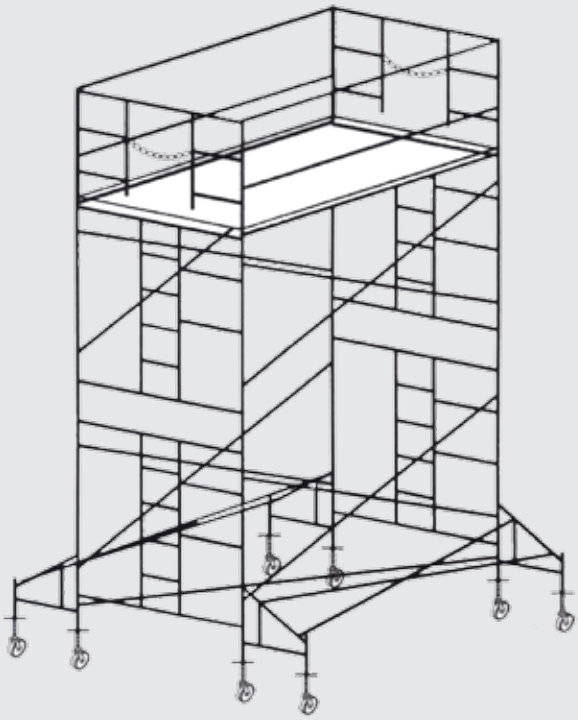


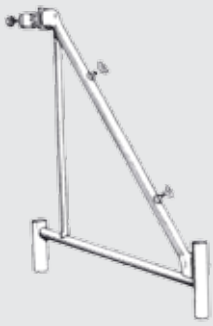
Angle Iron–Double Hole

Part No.	Lock Spacing	Frame Spacing	Weight lb	"X"
WA024405	3' & 4'	5'-0"	13.7	76⅞"
WA024406	3' & 4'	6'-0"	15.0	86½"
WA024407	3' & 4'	7'-0"	16.7	96¾"
WA024408	3' & 4'	8'-0"	18.5	107⅜"
WA024410	3' & 4'	10'-0"	22.1	129¼"
WA024404	3' & 4'	4'-0"	11.9	67⅜"



Rolling Tower





30" Outriggers
Part No.: WA039101
Weight: 12.0 lb



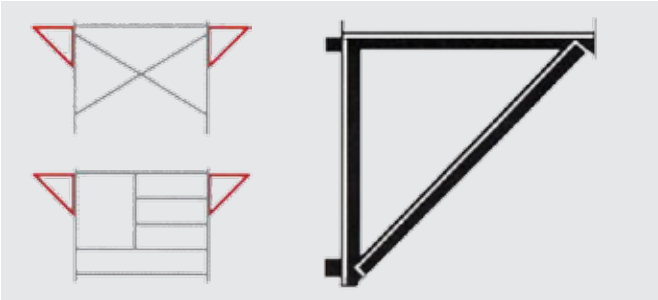
Heavy Duty 8" Caster
Part No.: WA031804
Weight: 12.0lb
Capacity: 500lb

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Accessories

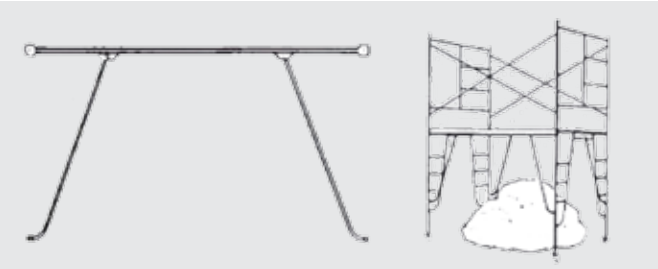
Brackets

Part No.	Description	Weight lb
WA033220	20" Side Bracket	10.1
WA033200	23" Side Bracket	11.1
WA033000	21½" Side & End Bracket	13.7
WA033100	31½" Side & End Bracket	18.9
WA033600	22" Tubular Side Bracket	9.1



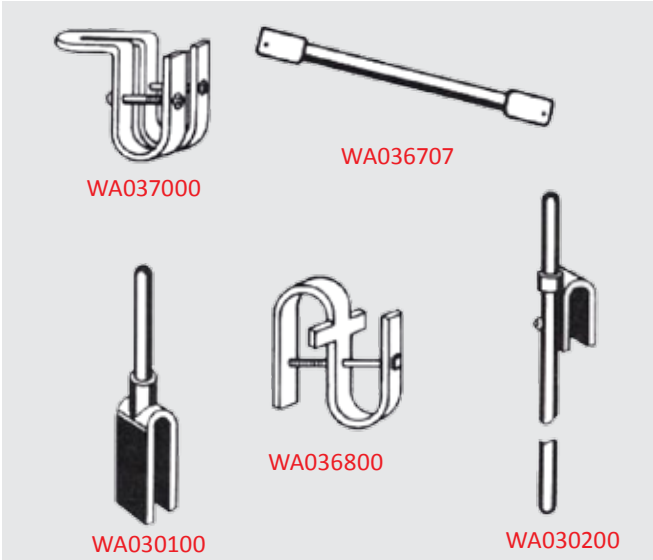
Straddle Braces

Part No.	Description	Weight lb
WA021507	7'-0"	20.2
WA021510	10'-0"	32.7



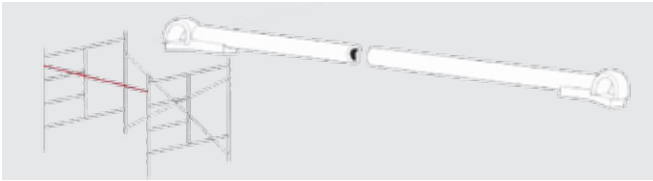
Putlogs

Part No.	Description	Weight lb
WA036008	8' Long Putlog	25.6
WA036012	12' Long Putlog	40.0
WA036116	16' Long Putlog	62.7
WA036122	22' Long Putlog	95.6
WA036800	"S" Type Hanger	4.5
WA037000	Angle Type Hanger	5.9
WA036707	Putlog Support	14.0
WA030100	Saddle Type Connector	2.8
WA030200	Offset Saddle Type Connector	5.1



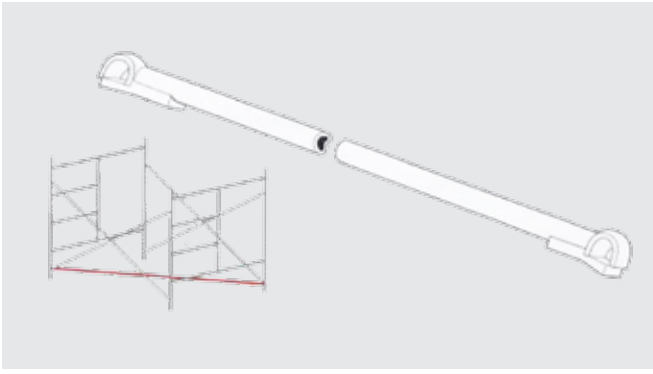
Horizontal Spacers

Part No.	Frame Spacing	Weight lb
WA026705G	5'-0"	10.0
WA026707G	7'-0"	10.1
WA026710G	10'-0"	18.4



Diagonal Braces

Part No.	Description	Frame Spacing	Weight lb
WA026205G	2'-3⅝"	5'-0"	11.0
WA026207G	2'-3⅝"	7'-0"	17.6
WA026208G	2'-3⅝"	8'-0"	14.8
WA026210G	2'-3⅝"	10'-0"	22.1
WA026505G	5'-0"	5'-0"	12.4
WA026507G	5'-0"	7'-0"	12.8
WA026508G	5'-0"	8'-0"	17.0
WA026510G	5'-0"	10'-0"	19.7



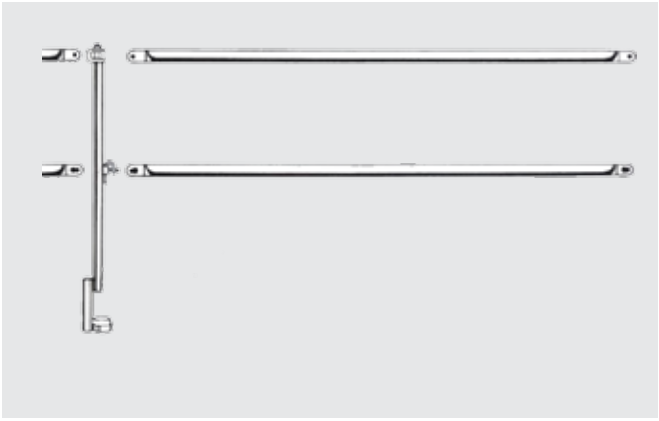
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Accessories

Guard Rails

Posts

Part No.	Description	Weight lb
WA032000	Standard	8.9
WA032005	With Toeboard Hook	10.4



Guard Rails & Mid-Rails

Part No.	Description	Weight lb
WA032227	2'-3"	2.5
WA032257	29" w/keyhole	2.1
WA032505	5'-0"	5.2
WA032555	5'-0" w/keyhole	4.9
WA032606	6'-0"	6.3
WA032707	7'-0"	7.1
WA032808	8'-0"	8.3
WA032710	10'-0"	10.5

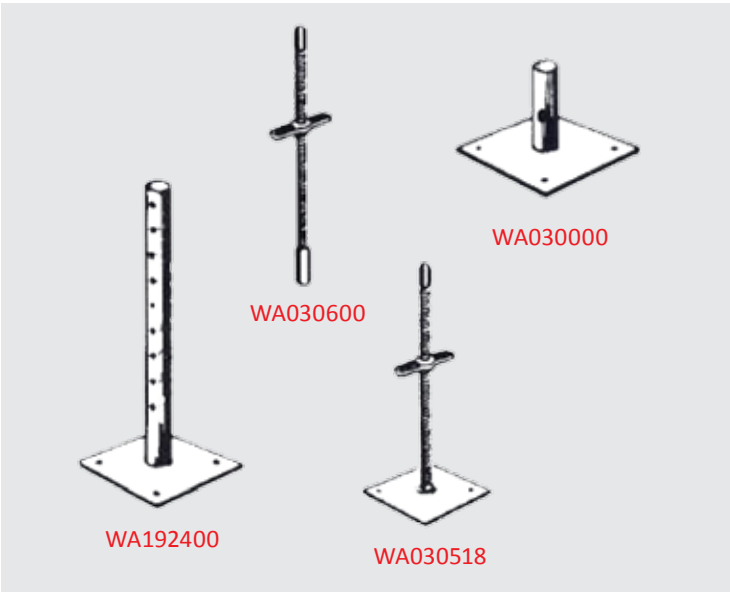


Adjusting Screws

Part No.	Description	Weight lb
WA030600	Socket type for use with caster or base plate—26" long, 18" screw adjustment	11.8
WA030518	With baseplate—21" long, 18" screw adjustment	12.6

Base Plates

Part No.	Description	Weight lb
WA192400	5" × 5" plate with 24" extension (adjusts in 3" increments)	4.9
WA030000	5" × 5" Standard Stem	2.4



Coupling Pins

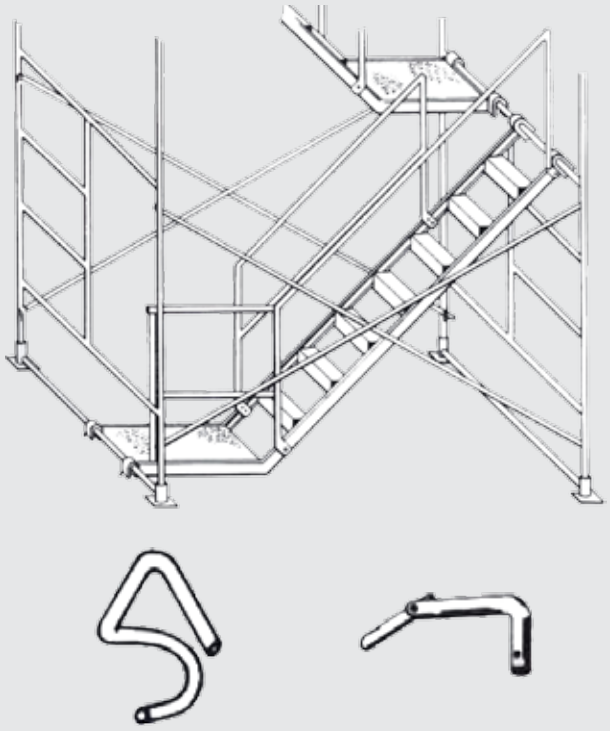
Part No.	Description	Weight lb
WA020500	Coupling Pin	0.6
WA020600	Spring Clip for 0205-00	0.1
WA020700	With Collar	0.8

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Accessories

Internal Accessway

Part No.	Description	Weight lb
WA034503	Starter Unit for all 5' wide frames (2 per tower)	12.0
WA034507	Accessway for 5' high frames	81.7
WA034607	Accessway for 6'-6" high frames	94.9
WA034277	Handrail Assy. (Internal–all sizes)	16.9
WA034517	Handrail Assy. (External–5' frames)	29.6
WA034617	Handrail Assy. (External–6'-6" frames)	32.2
WAA034607	Accessway for WA015602, WA015605, WA015606, and WA015607 (6'-7" Frame)	45.0
WA032504	Hanging Guardrail for WA015605, WA015606, and WA015607 frames	19.8
WAA34507	Aluminum Accessway for 5' high frames	49.0
WAA034607	Aluminum Accessway for 6'-6" high frames	45.0

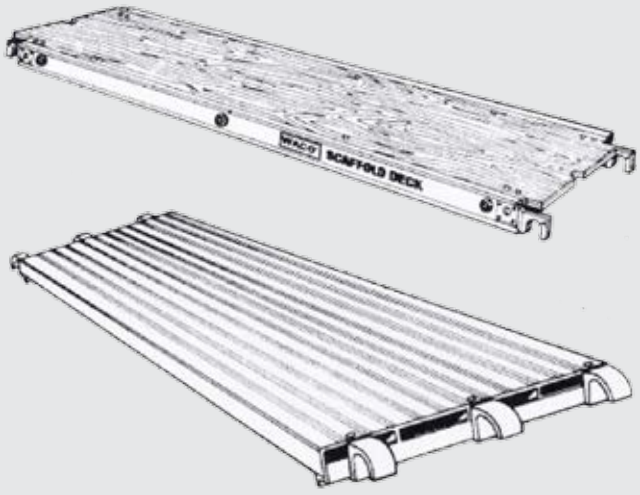


Gravity Lock Pin
Part No.: WA195600
Weight: 0.2 lb

Toggle Pin
Part No.: WA020000
Weight: 0.1 lb

Scaffold Decks

Part No.	Description	Capacity psf	Weight lb
WA605307	7' Wood Ply/Aluminum	75	27.0
WA605310	10' Wood Ply/Aluminum	50	47.0
WA605407	7' All Aluminum	75	30.0
WA605410	10' All Aluminum	50	41.0



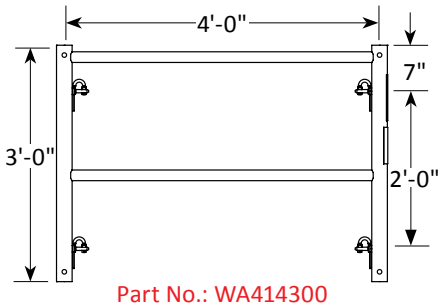


Hoist Standard with Guard Rail Post
Part No.: WA035400
Weight: 33.9 lb

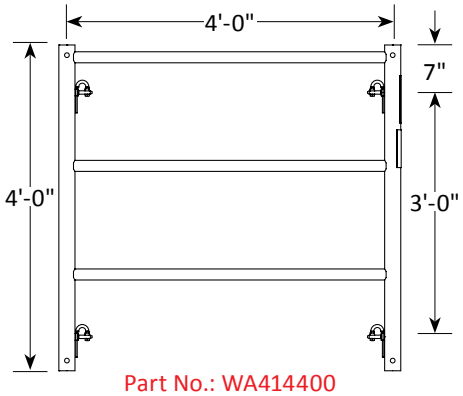
Well Wheels
Part No.: WA035600
Description: 12" dia., for 1" rope
Capacity: 100 lb
Weight: 9.0 lb

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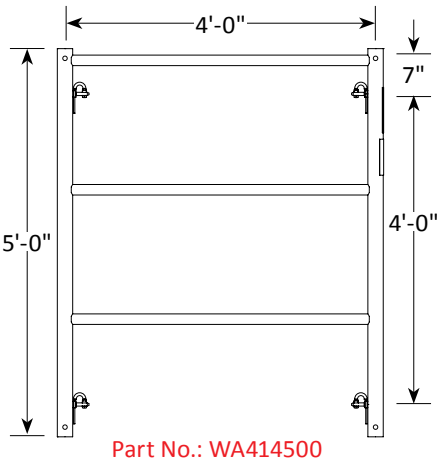
Hi-Load Shoring



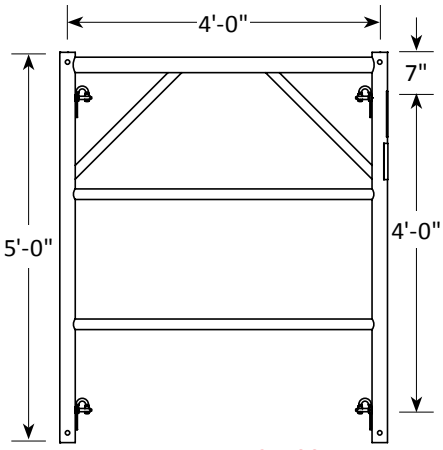
Part No.: WA414300
Weight: 35.2 lb



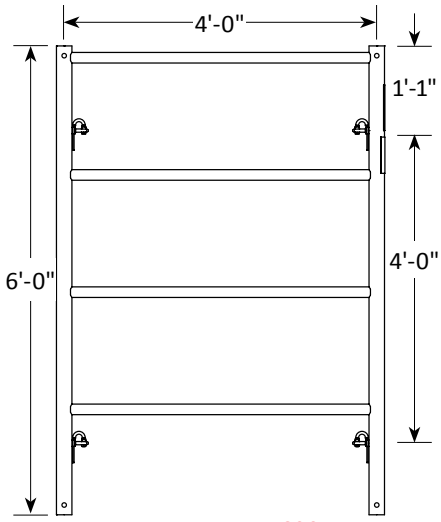
Part No.: WA414400
Weight: 48.0 lb



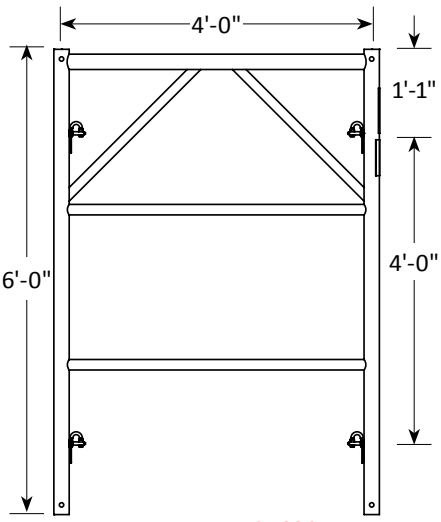
Part No.: WA414500
Weight: 55.1 lb



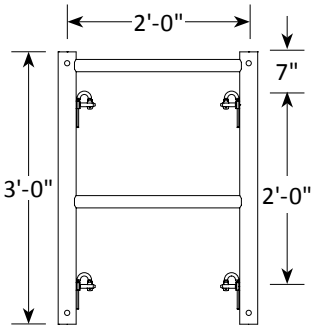
Part No.: WA424500
Weight: 69.1 lb



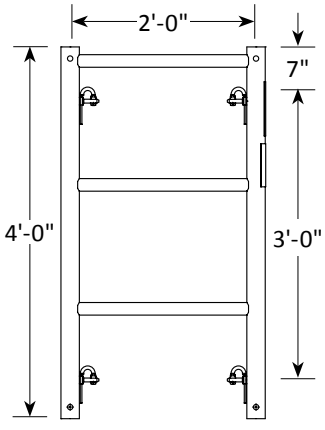
Part No.: WA414600
Weight: 67.8 lb



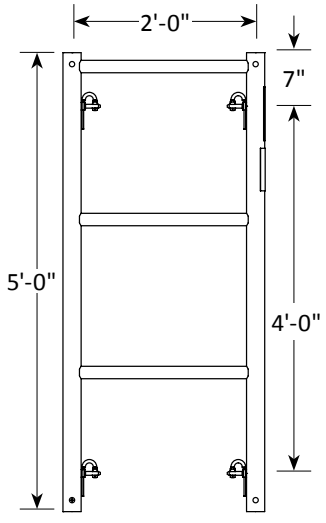
Part No.: WA424600
Weight: 77.1 lb



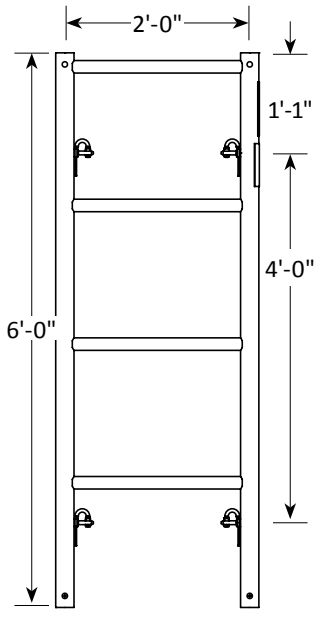
Part No.: WA412300
Weight: 28.8 lb



Part No.: WA412400
Weight: 39.2 lb



Part No.: WA412500
Weight: 46.5 lb



Part No.: WA412600
Weight: 56.1 lb

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Hi-Load Shoring

Allowable Working Loads (lb/leg)

Maximum safe working leg loads for WA412X-XX series frames with WA46XX-XX screws

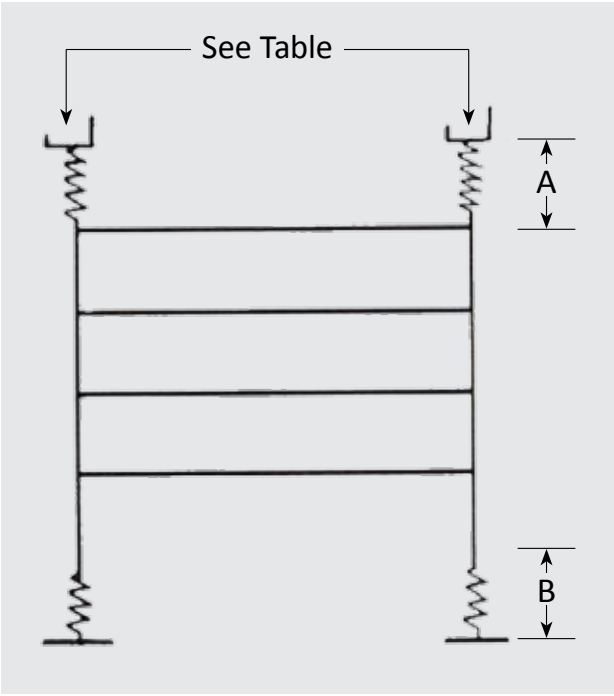
Part No.	Description											
WA414300	4' × 3' Hi-Load Frame	12"	17,500*	16,600	13,400	10,600	10,200	10,000	9,900	9,800	9,700	9,600
WA414400	4' × 4' Frame	24"	14,800*	13,700	11,900	9,500	9,100	8,700	8,600	8,500	8,400	8,300
WA412300	2' × 3' Hi-Load Frame	36"	12,200	11,200	10,400	8,300	8,800	7,700	7,300	7,000	6,750	6,500
WA412400	2' × 4' Hi-Load Frame	48"	10,500	10,300	9,750	8,000	7,700	7,400	7,200	7,000	6,750	6,500
WA414500	4'x 5' Hi-Load Frame	12"	15,800*	14,900	13,400	10,600	10,200	10,000	9,900	9,800	9,700	9,600
WA412500	2' × 5' Hi-Load Frame	24"	14,100	12,400	11,900	9,500	9,100	8,700	8,600	8,500	8,400	8,300
WA424500	4' × 5' Ledger Bearing Frame	36"	11,700	10,700	10,400	8,300	8,000	7,700	7,300	7,000	6,750	6,500
		48"	10,200	10,000	9,750	8,000	7,700	7,400	7,200	7,000	6,750	6,500
WA424600	4' × 6' Ledger Bearing Frame	12"	14,400	13,200	11,600	10,600	10,200	10,000	9,900	9,800	9,700	9,600
WA414600	4' × 6' Hi-Load Frame	24"	12,400	11,100	10,800	9,500	9,100	8,700	8,600	8,500	8,400	8,300
WA412600	2' × 6' Hi-Load Frame	36"	10,000	9,000	8,600	8,300	8,000	7,700	7,300	7,000	6,750	6,500
WA434600	4' × 6' Double Ledger Bearing Frame	48"	8,500	8,400	8,200	8,000	7,700	7,400	7,200	7,000	6,750	6,500
	All	12"	13,800	11,000	10,600							
	Hi-Load	24"	11,300	10,500	10,300							
	Aluminum	36"	10,250	9,800	9,650							
	Frames	48"	9,200	9,100	9,000							
Number of Tiers i.e. frame in tower			1	2	3	4	5	6	7	8	9	10

Contact BrandSafway Engineering when shoring height exceeds 60'.

Note:

1. Use WA4146 loading as above for combinations of WA4144, WA4145, WA4146, WA4124, WA4125, and WA4126 frames used in one tower.
2. Total screw jack adjustment is the sum of the adjustment Top and Bottom = A + B
3. The above allowable leg loads reflect a 2.5:1 safety factor.
4. Reduce the above allowable loads 10% when using WA02XX12, 13, or 15 cross braces (special application).
5. Reduce the about allowable loads 20% when using 0215-07 straddle brace in one level of a tower—no reduction necessary for WA021510 straddle braces (special application).
6. When staffs are used, consult with BrandSafway engineering department.
7. The use of swivel screw jacks is not allowable with Waco Aluminum Hi-Load Frames.

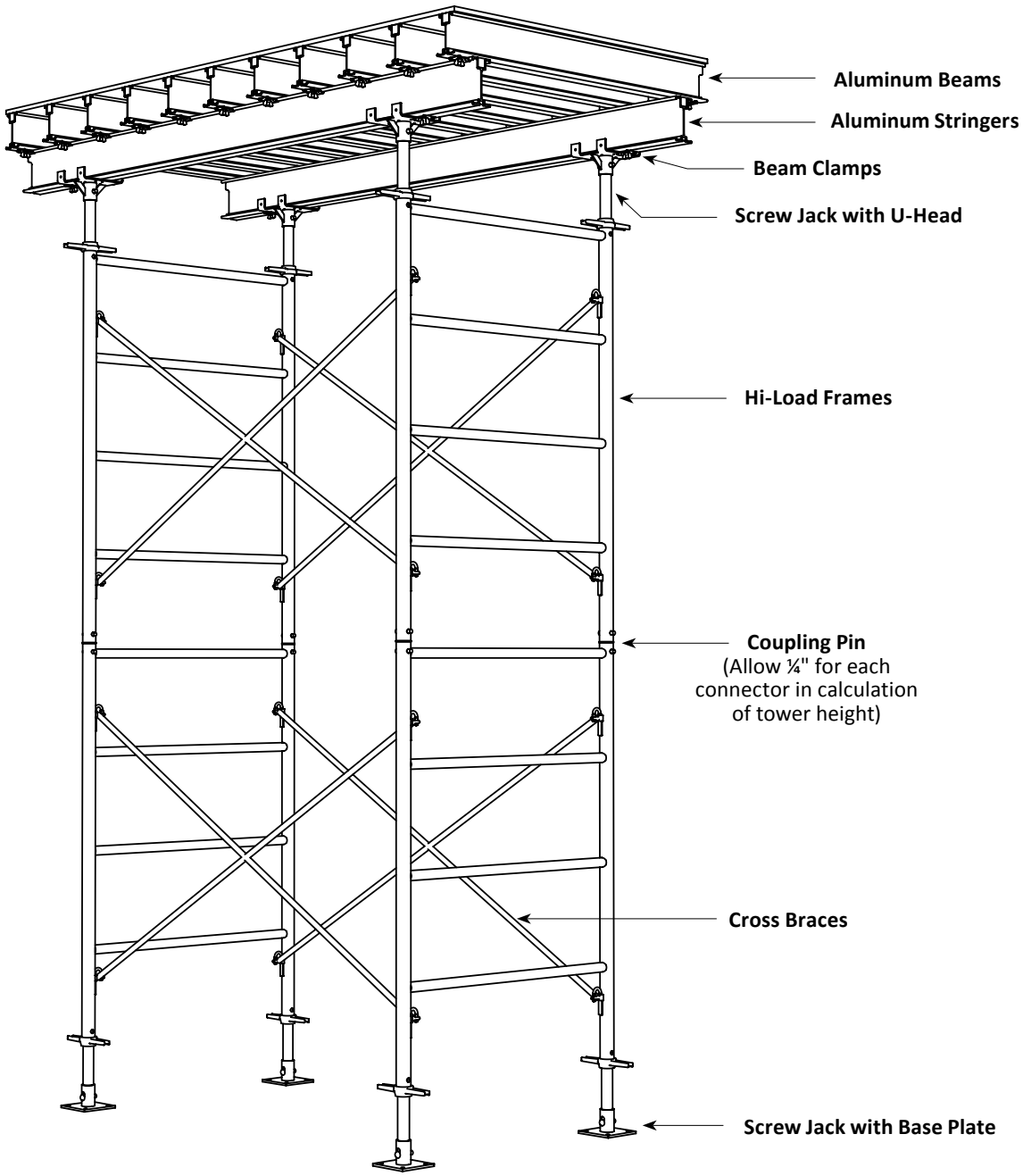
*Check that screws do not meet inside of the frame leg.



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Hi-Load Shoring

Typical Hi-Load Frame Tower

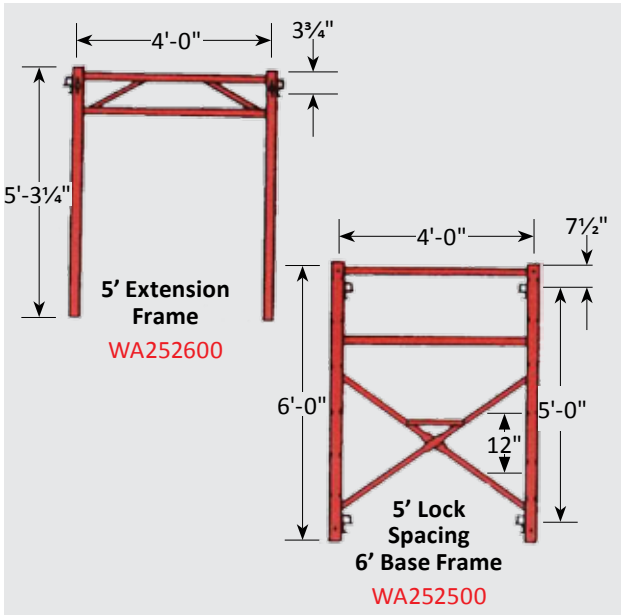


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25K/LEG Shoring

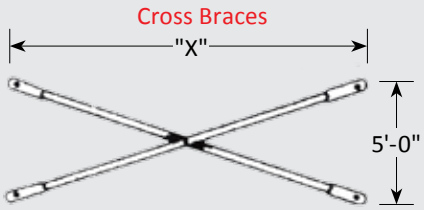
Frames

Part No.	Description	Weight lb	Std. Pkg.
WA252500	4' × 6' Base	118.4	25/B
WA252600	4' × 5' Extension	101.0	25/B



Single Hole 1 ¼" Tubular Cross Braces

Part No.	Description	Weight lb	Std. Pkg.
WA254500	5' × 4' – 5' Lock Spacing	14.5	100/B
WA255500	5' × 5' – 5' Lock Spacing	15.9	100/B
WA256500	5' × 6' – 5' Lock Spacing	17.5	100/B
WA257500	5' × 7' – 5' Lock Spacing	19.1	100/B
WA258500	5' × 8' – 5' Lock Spacing	21.7	100/B
WA250500	5' × 10' – 5' Lock Spacing	27.0	100/B

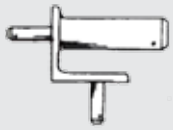


Base Plates & Adjusting Screws

Part No.	Description	Weight lb	Std. Pkg.
WA253700	Fixed Base Plate	10.0	E
WA253501	Fixed Base Plate w/12" Adj. Screw	28.7	E
WA253566	12" Adj. Screw w/6 × 6½" J Head	33.2	E
WA253588	12" Adj. Screw w/8" × 8" U Head	31.0	E
WA253600	Swivel Type Base Plate w/12" Adj. Screw	26.0	E
WA253401	Screw Insert—Required on Adj. to fit in Base Frame	2.4	E

Accessories

Part	Description	Weight lb	Std. Pkg.
WA253100	6" × 6" U Head	12.0	E
WA253201	Alignment Pin	3.2	E
WA253300	Adapter Pin	4.4	E



Adapter Pin
WA253300
Pat. No. 3,346,283

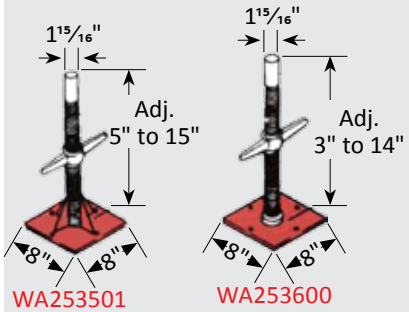


Insert For Screw
WA253401

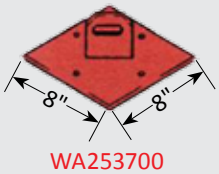


Alignment Pin
WA253201

Fixed & Swivel Screw Jacks



Base Plate

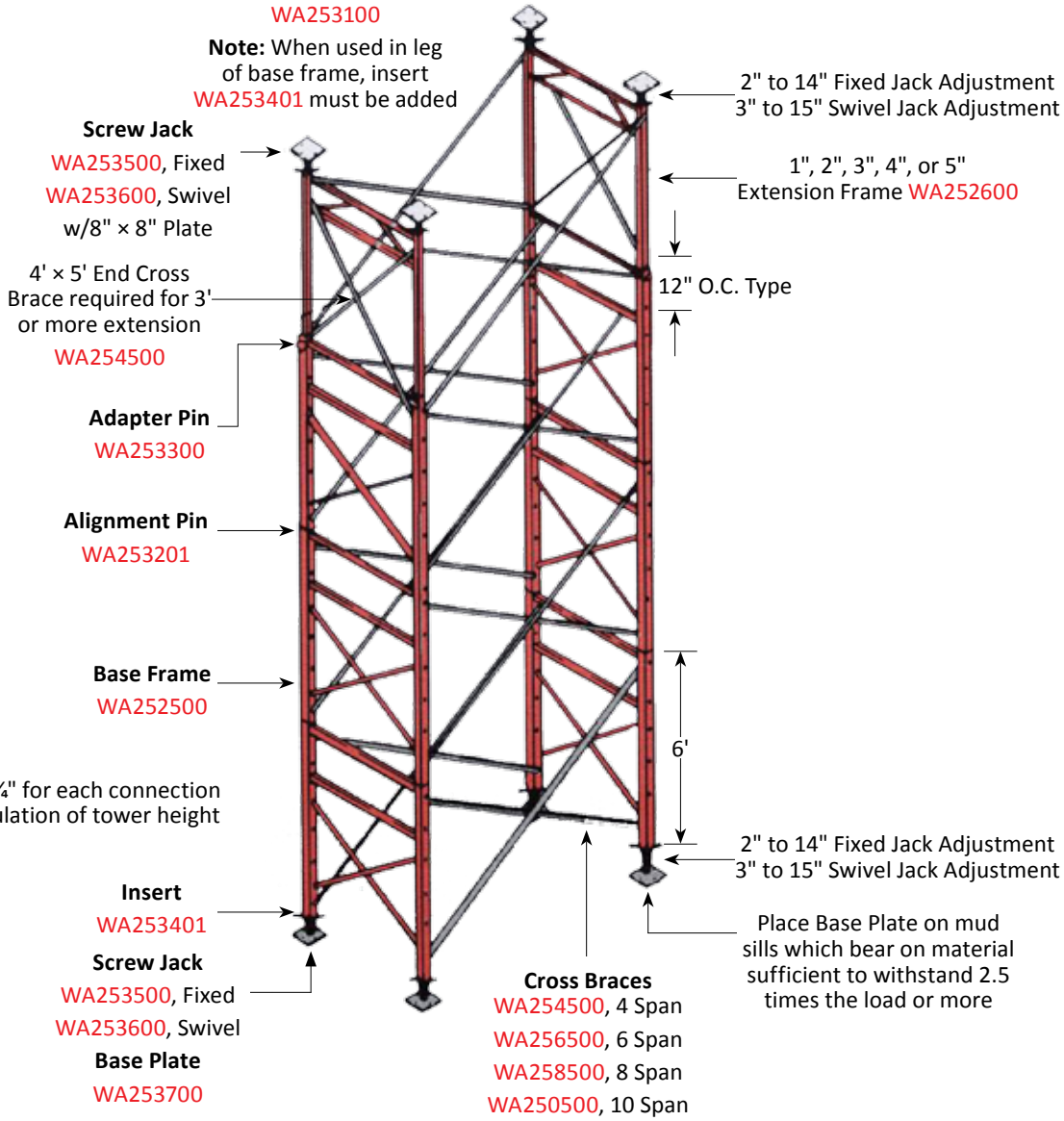


Note: 25K/Leg Shoring is a discontinued product line.

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25K/LEG Shoring

Typical 25K Frame Tower



Shore-X Allowable Working Loads (lb/LEG)
Adjustment: Up to 32"
Extension: None or 1' to 5'
1 Tier – 5 Tiers – 25,000lb/LEG

Note:

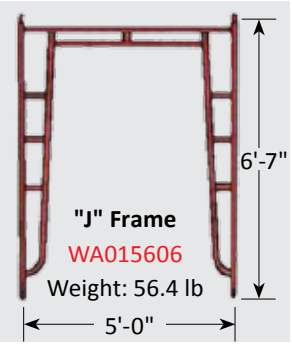
1) Extensions:
a. 1' to 2' require side cross braces only.
b. 3' to 5' require side cross braces and cross braces across the face of frame.
2) Cross Braces:
a. For frame spacing of 2'-7¾" to 7' series #WA0244XX, WA02XX00, WA21XX00, or WA25XX00 may be used.
b. For frame spacing over 7' to 10' inclusive, series WA25XX00 braces must be used.
c. When 12', 13', or 15' cross braces are used, consult with the BrandSafway Engineering Department.
3) The above allowable leg loads reflect a 2.5:1 safety factor.
4) For stability during erection. 2" × 6" minimum bracing with #WA257002 nailing plates located at every third frame up the tower, is recommended for towers over 3 frames high. Additional lateral bracing may be required due to wind, ect., and should be considered on a job to job basis.

Note: 25K/Leg Shoring is a discontinued product line.

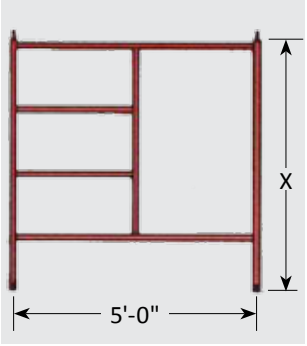
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Light Duty Shoring
Basic Units and Accessories

Walk-Thru Frames

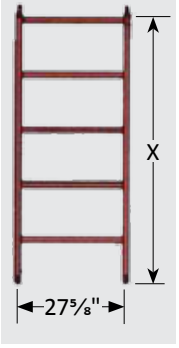


End Frames



Part No.	X	Weight lb
WA015300	3'-1"	32.1
WA015402	4'-1"	35.6
WA015462	4'-7"	37.6
WA015500	5'-1"	42.4
WA015602	6'-7"	48.2

Narrow Frames



Part No.	X	Weight lb
WA012300	3'-1"	21.0
WA012500	5'-1"	29.2
WA012600	6'-7"	36.8

Leg load table for Waco Scaffold Equipment lb

Part No.		Screw Extension 12" or Less	18"	24"	30"	36"	42"	48"
WA015300 WA015402 WA015462	1 Tier	6420	6180	5940	5400	4800	Not Recommended	
	2 Tiers	5420	5180	4940	4700	4450	4000	3500
	3 Tiers	5120	4880	4640	4400	4150	3700	3200
	*4 Tiers	4520	4280	4040	3800	3550	3100	2600
WA015506	1 Tier	6120	5880	5640	5100	4500	Not Recommended	
	2 Tiers	5120	4880	4640	4400	4150	3700	3200
	3 Tiers	4920	4680	4440	4200	3950	3500	3000
	*4 Tiers	4320	4080	3840	3600	3350	2900	2400
WA015606	1 Tier	5220	4980	4740	4200	3600	Not Recommended	
	2 Tiers	4620	4380	4140	3900	3600	3200	2700
	3 Tiers	4020	3780	3540	3300	3050	2600	2100
	*4 Tiers	3620	3380	3140	2900	2650	2200	1700
WA012300 WA012500	1 Tier	6320	6080	5840	5300	4700	Not Recommended	
	2 Tiers	5120	4880	4640	4400	4150	3700	3200
	**3 Tiers	4420	4180	3940	3700	3450	3000	2500
	4 Tiers	4120	3880	3640	3400	3150	2700	2200
WA012600	1 Tier	3720	3480	3240	2700	2300	Not Recommended	
	2 Tiers	3420	3180	2940	2700	2250	2000	1500
	**3 Tiers	3120	2880	2640	2400	2150	1700	1200
	*4 Tiers	2720	2480	2240	2000	1750	1300	800

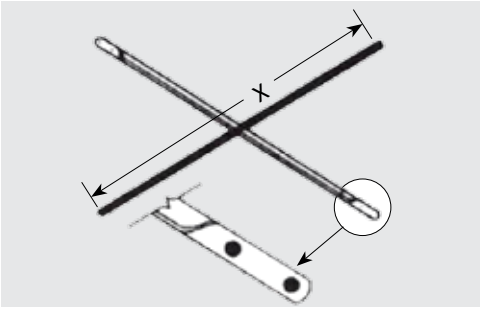
1. Over 4 tiers high, consult BrandSafway Engineering Department
2. When frames are mixed in a tower, leg load is controlled by weakest frame. (i.e. consider entire tower height to consist of only weakest frame).
3. Adjustment referred to is the sum of the top and/or bottom adjustment screw, including collar on #306 screw.
4. The above allowable leg loads reflect a **2.5:1 safety factor**.

*5. Towers made with 5' wide frames which are four frames high or higher are to have bracing every third frame.

**6. Towers made with 27" wide frames which are three frames high or higher are to have bracing every second frame.

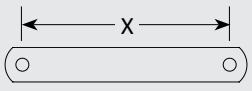
Cross Braces

Part No.	X	Weight lb
WA024404	67⅞"	11.9
WA024405	76⅞"	13.7
WA024406	86½"	15.0
WA024407	96¾"	16.7
WA024408	107⅜"	18.5
WA024410	129¼".	22.1



Bar Braces

Part No.	X	Weight lb
WA025009	9"	1.2
WA025012	12"	1.6
WA025018	18"	2.1
WA025024	24"	2.8



Fastube with Fittings

Part No	Length	Weight lb
WA048005	5'-0"	11.1
WA048006	6'-0"	12.9
WA048008	8'-0"	14.7
WA048010	10'-0"	21.0
WA048012	12'-0"	23.7
WA048013	13'-0"	25.8
WA048016	16'-0"	30.9

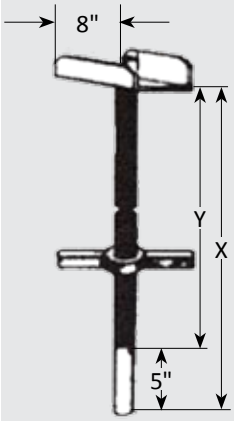


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Light Duty Shoring

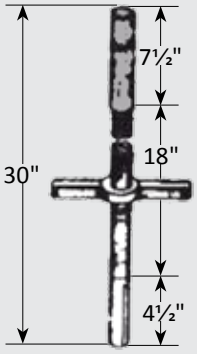
Adjustable Shoring Accessories

Part No.	X	Y	Weight lb
WA030912	17"	12"	12.8
WA030918	24"	19"	16.5
WA030988	24"	19"	19.6
WA030500	17"	12"	9.3
WA030518	24"	19"	12.6
WA030526	24"	19"	12.0



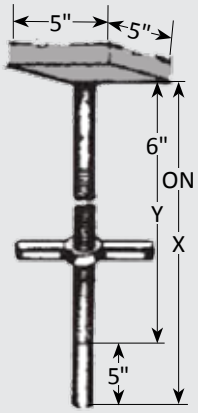
WA030988

Adjustment screw with 8" × 8" J Head welded screw



WA030600

Use in conjunction with WA030000 or WA030400 Head



WA030500

Adjustment screw with 5" × 5" plate welded screw



Gravity Pin
WA195600

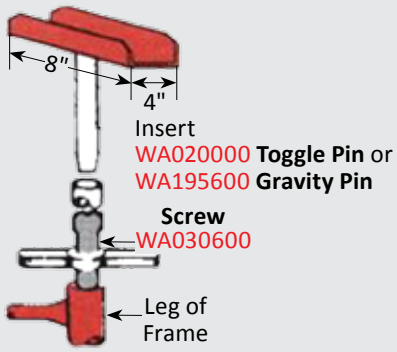


Toggle Pin
WA020000

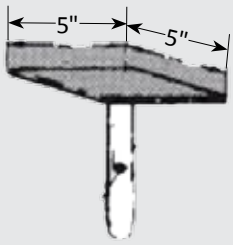


Nailing Plate
WA047100

Inter-Changeable Head and Base Plate

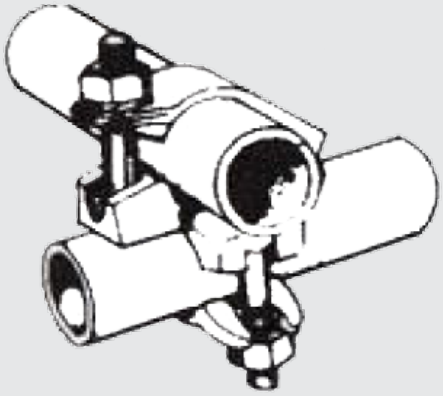


J Head
Part Number: WA030400
Weight: 4.1 lb

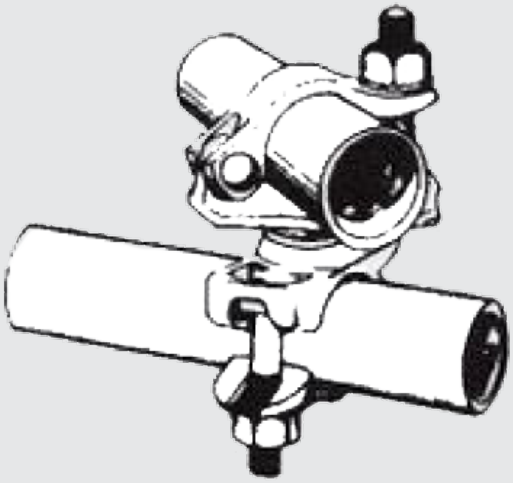


Base Plate
Part Number: WA030000
Weight: 2.4 lb

Tube and Clamp Fittings



Right Angle Double Coupler
Part No.: WA042202
Weight: 3.8 lb
Tube Diameter: 1⅝" or 1.9"



Swivel Coupler
Part No.: WA042102
Weight: 3.0 lb
Tube Diameter: 1⅝" or 1.9"

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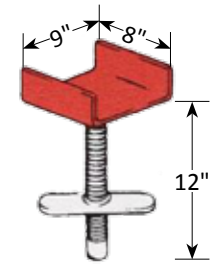
Heavy Duty Post Shores

20 KIP Heavy Duty Post Shores

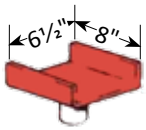
Part No.	Description	Weight lb	Std. Pkg.
WA257101	With WA253501 Adjusting Screw w/8" × 8" Plate Head	140.8	50/B
WA257166	With WA253566 Adjusting Screw w/6" × 6½" J Head	117.0	50/B
WA257188	With WA253588 Adjusting Screw w/8" × 8" U Head	145.3	50/B

Accessories - 20 KIP

Part	Description	Weight lb	Std. Pkg.
WA253100	6" × 6" U Head	12.0	E
WA253501	12" Adjustable Screw w/8" × 8" Plate Head	28.7	E
WA253566	12" Adjustable Screw w/6" × 6½" J Head	25.0	E
WA253588	12" Adjustable Screw w/8" × 8" J Head	33.2	E
WA254701	Beam Clamp	3.0	E
WA257001	Shore Pin	1.9	E
WA257002	Nailing Plate	2.2	E
WA257003	Hitch Pin	20.0	100/C
WA257008	Shore Base Only	62.2	E
WA257105	Staff Only	47.4	E



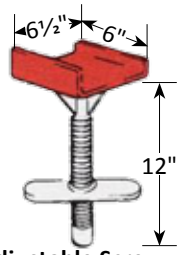
Adjustable Screw J Head
WA253588



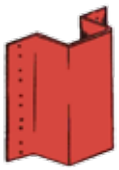
U Head
WA253100



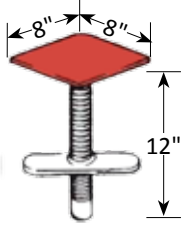
Shore Pin
WA257001



Adjustable Screw J Head
WA253566



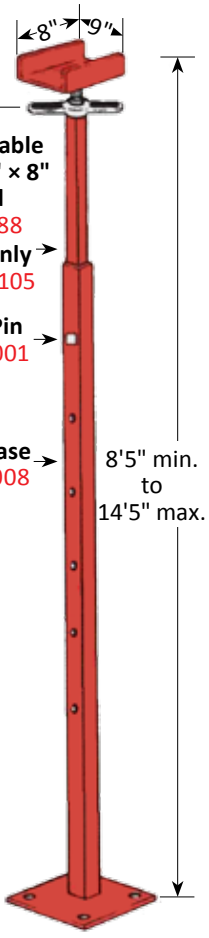
Nailing Plate for Post
WA257002



Adjustable Screw w/Plate Head
WA253501



Hitch Pin
WA257003



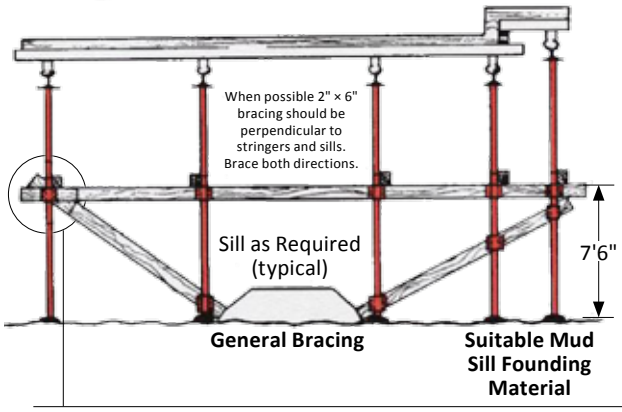
12" Adjustable Screw w/8" × 8" U Head
WA253588

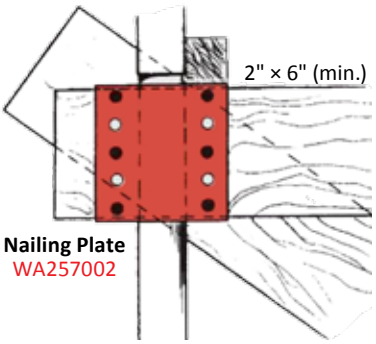
Staff Only
WA257105

Shore Pin
WA257001

Shore Base
WA257008

Place base plate on mud sills which bear on material sufficient to withstand 2½ times the load or more

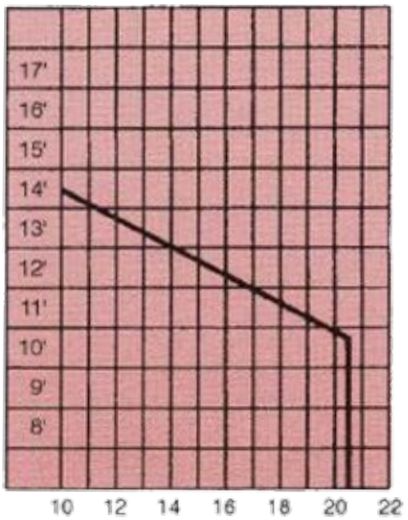




Nailing Plate
WA257002

Recommended Working Load* (kips)

*Recommended working loads on base and staff combination at **3:1 safety factor**



WACO® Equipment by BrandSafway

Bracing Details

Braces of 2" × 6" lumber or heavier, are fastened to the post with WA257002 nailing plates. Run the lumber horizontally between bases. At the end of each line of horizontal lumber braces, run a diagonal lumber brace to a base sill. (See General Bracing and Detail) Braces must be fastened to each nailing plate with (6) 8d nails with at least one nail on each side of the nailing plate. Nail ends which protrude through the bracing lumber should be bent over, both for safety and added strength. The nails should be located so that they will not split either the bracing or the false-work timber.

Note: All double 2x lumber must be wedged in "J" head. Always brace in both horizontal directions.

Note: Heavy Duty Post Shores are a discontinued product line.

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Standard Post Shores

Speedset® Adjustment

1. Extend shore staff to approximate height.
2. Insert pin in lowest exposed hole in staff, set in adjacent step of Speedset®.
3. Adjust shore to final height by turning shore nut. Adjustment holes in the shore staffs are placed 4" apart. Four steps in the Speedset® are 1" apart, permitting "approximate" adjustment to within two inches of the required height. Final adjustment required only 4 or 5 turns of the shore nut.
4. To strip, back shore nut off a turn or two, lower pin to bottom step in Speedset® and shore staff is free.

Part No.	Description	Weight lb	Std. Pkg.
WA070000	Shore Base	24.5	50/B

Staff Waco Red – 6'-2" to 11'-1" Adjustment

Part	Description	Weight lb	Std. Pkg.
WA070101	With 6" × 9" Plate Head	52.0	50/B
WA070108	With 4" × 8" J Head	44.5	50/B
WA070114	With 4" × 14" J Head	50.4	50/B
WA070158	With 5" × 8" U Head	43.5	50/B
WA070166	With 6" × 6" Plate Head with hole for WA0304XX J Head	42.5	50/B
WA070188	With 8" × 8" U Head	53.5	50/B

Staff Waco Red – 8'-2" to 13'-1" Adjustment

Part	Description	Weight lb	Std. Pkg.
WA070201	With 6" × 9" Plate Head	62.0	50/B
WA070208	With 4" × 8" J Head	49.5	50/B
WA070214	With 4" × 14" J Head	52.5	50/B
WA070266	With 6" × 6" Plate Head with hole for WA0304XX J Head	47.5	50/B
WA070288	With 8" × 8" U Head	58.5	50/B

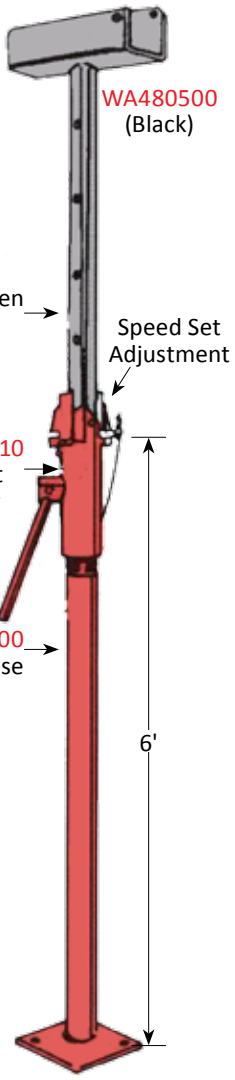
Staff Waco Red – 10'-9" to 15'-7" Adjustment

Part No.	Description	Weight lb	Std. Pkg.
WA070308	With 4" × 8" J Head	59.0	50/B
WA070266	With 6" × 6" Plate Head with hole for WA0304XX J Head	57.0	50/B

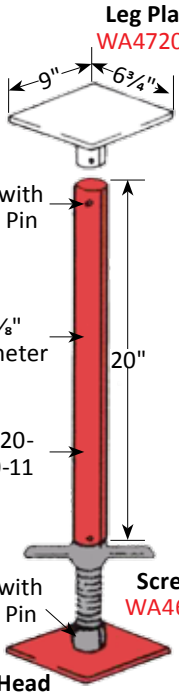
Standard Post Shores

Part No.	Min Hts	Max Hts
WA0701XX	6'-2"	11'-1"
WA0702XX	8'-2"	13'-1"
WA0703XX	10'-9"	15'-7"



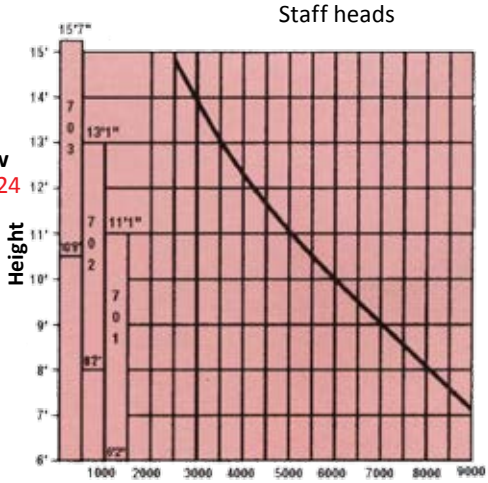


See Hi-Load Section for Shore Staff Sizes & Attachable Staff heads





Nailing Plate
WA443200



Allowable Working Load lb
3:1 Safety Factor



6' x 9' Plate Head
WA070101



14" J Type Head
WA070114



6" Plate Platehead
WA070166



8" J Head
WA070108

Mini Post Shore
3'-2" to 3'-10"
Adjustment

E = Each **B = Bundle** **C = Carton**

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Scaffolding Safety Guidelines

Safety guidelines
As recommended by the Scaffolding, Shoring, and 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
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.
Follow all state, local, and federal code, ordinances, and regulations pertaining to scaffolding because they may be more restrictive. For example, height or width requirements may vary.
Survey the jobsite—A survey shall be made of the job site or 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 note in the following section.
Inspect all equipment before using—Never use any equipment that is damaged or defective in any way.
Keep all equipment in good repair—Avoid using corroded equipment—the strength of corroded equipment is not known.
Inspect erected scaffolds daily—or at the beginning of every shift to be sure that they are maintained in safe condition.
Never use equipment for purposes or in ways for which it was not intended.
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.
Working under the influence of alcohol or illegal drugs is strictly prohibited.
Consult your scaffolding supplier—Never take chances—Consult manuals and instructions provided by the supplier; scaffolding is his business.

Guidelines for Erection and Use of Scaffolding

A. Provide adequate sills for scaffold posts and use base plates.

B. Use adjusting screws or 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. All brace connections shall be made secure, in accordance with manufacturers' recommendations.

E. Do not climb cross braces; use only an access (climbing) ladder or access steps designed to be climbed, or equivalent safe access to the 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 manufacturers' recommended load rating.

L. Equip and maintain all platforms with proper guardrails, midrails 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 parallel to the frames. Brackets shall not be bent or twisted from normal position. Brackets (except mobile brackets designed to carry materials) are to not 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 in accordance with the manufacturers' 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 and no 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.

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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 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 a 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.
6. **Follow erection procedures and use manuals.**

Visit www.ssfi.org for shoring safety guidelines.

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Notes

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Notes

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Notes

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ORN 1701 Rev. C 06/20

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