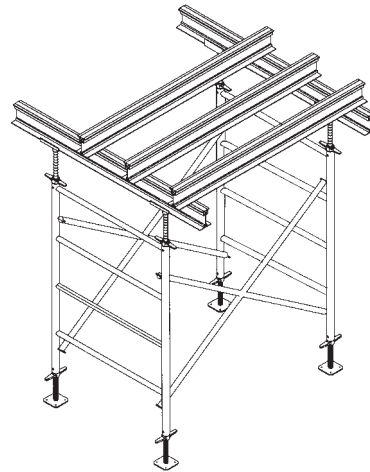


Hi-Load Shoring System

The versatile and economical steel shoring system.

AlumaSystems

The Hi-Load Shoring System offers the simplicity, flexibility and high performance needed for the most demanding shoring applications. Equipped with a complete range of braces and height adjustment accessories, this system can be adapted to suit most shoring height and load combinations.



Product Description

The Hi-Load Shoring System offers one of the most complete range of accessories available on the market today.

Combining the simplicity, robustness and versatility that has been developed over many years, Hi-Load is able to meet contractors ever-changing shoring needs.

Each component of the Hi-Load Shoring System has been designed and manufactured to the same exacting specifications as

all other Aluma products.

When combined with our comprehensive range of Aluma Beam® and Stringers, the Hi-Load Shoring System attains a versatility and adaptability that enables it to be configured to suit most applications. In addition, they enable the spacing of shoring towers to be opened up and optimized, allowing for substantial savings in equipment and labor costs.

The basic 4'0" (1.22m) wide frames are available

in heights of 4'0" (1.22m), 5'0" (1.52m) and 6'0" (1.83).

The Hi-Load Shoring System conforms to all shoring regulations, including CSA, CAL-OSHA AND ANSI.

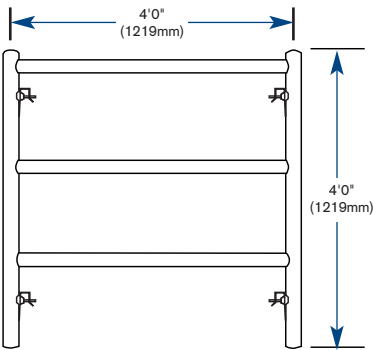
Features

- Extra carrying capacity meets the most rigorous requirements
- Allows large mobile tables to be easily assembled
- Cost effective modular components
- Maximum flexibility to meet any job condition

Warning, Limitation of Aluma Systems Liability:

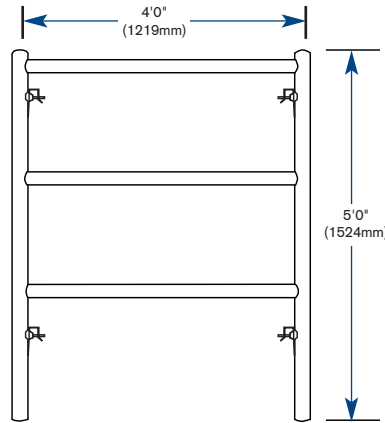
This bulletin is intended only for general information on the Hi-Load Shoring System. This product is only to be used for the purpose for which it is intended and only per the load capacities as established by Aluma Systems. This product must not be used when damaged and must be in fully functional condition. This product must be inspected by the user before use and properly stored, maintained and repaired. This product must not be misused nor overloaded.

Base Frames



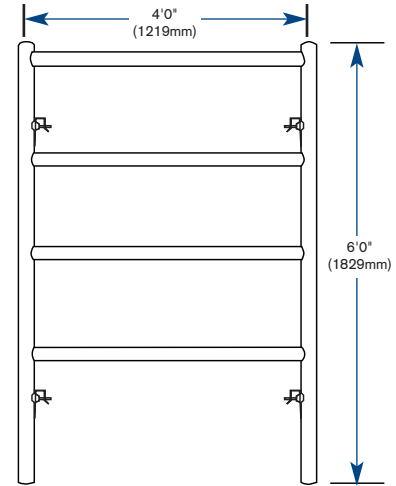
4'0" Base Frame

ITEM NO. WEIGHT - LB. (KG)
461 46 (20.9)
STUD SPACING
3'0" (914mm)



5'0" Base Frame

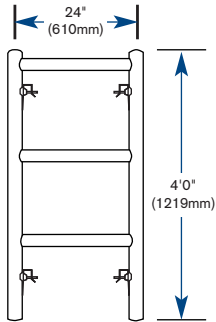
ITEM NO. WEIGHT - LB. (KG)
462 54 (24.5)
STUD SPACING
4'0" (1219mm)



6'0" Base Frame

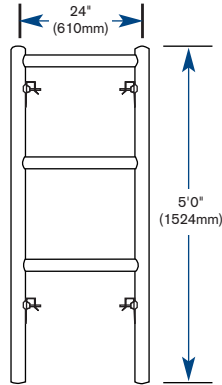
ITEM NO. WEIGHT - LB. (KG)
463 67 (30.4)
STUD SPACING
4'0" (1219mm)

Hi-Load 2'0" Wide Frames



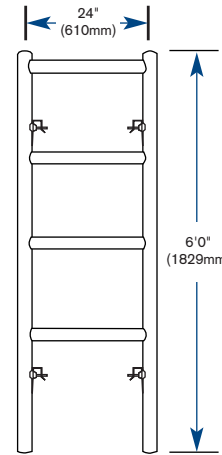
4'0" Base Frame

ITEM NO. WEIGHT - LB. (KG) STUD SPACING
457 37 (16.8) 3'0" (914mm)



5'0" Base Frame

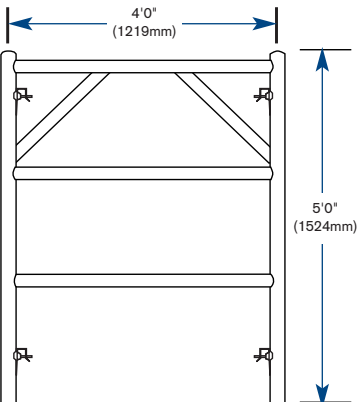
ITEM NO. WEIGHT - LB. (KG) STUD SPACING
458 45 (20.4) 4'0" (1219mm)



6'0" Base Frame

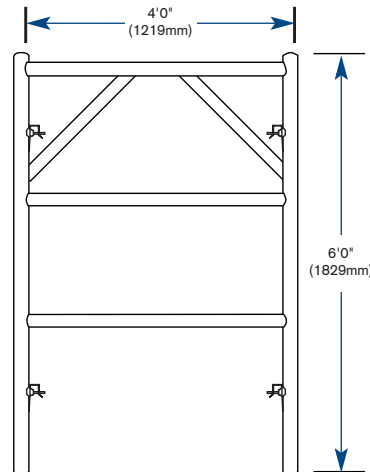
ITEM NO. WEIGHT - LB. (KG) STUD SPACING
459 58 (26.3) 4'0" (1219mm)

Hi-Load Ledger Bearing Frames



5'0" Ledger Bearing Frame

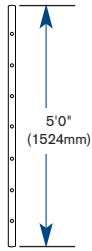
ITEM NO. WEIGHT - LB. (KG) STUD SPACING
464 66 (30) 4'0" (1219mm)



6'0" Ledger Bearing Frame

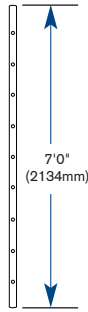
ITEM NO. WEIGHT - LB. (KG) STUD SPACING
465 74 (33.6) 4'0" (1219mm)

Shore Staffs



5'0" (1524mm) Shore Staff

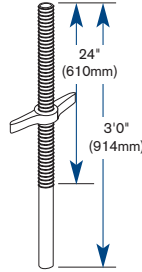
ITEM NO. WEIGHT – LB. (KG)
2171 16 (7.3)
DESCRIPTION
For use as an inner member of frame leg for heights up to 11'1" (3378mm). Must be used with ITEM 4452-00



7'0" (2134mm) Shore Staff

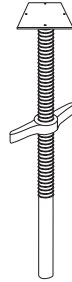
ITEM NO. WEIGHT – LB. (KG)
2175 20.5 (9.3)
DESCRIPTION
For use as an inner member of frame leg for heights up to 13'1" (3988mm). Must be used with ITEM 4452-00

Screw Jacks



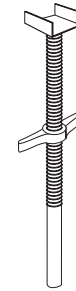
Screwjack

ITEM NO. WEIGHT – LB. (KG)
511 10.5 (4.8)
DESCRIPTION
Allows 24" (610mm) adjustment. Bottom is flared to reduce play in leg.



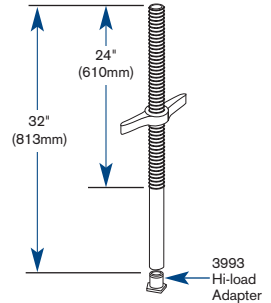
Screwjack with fixed Plate Head

ITEM NO. WEIGHT – LB. (KG)
512 18.5 (8.4)
DESCRIPTION
Allows adjustment.



Screwjack with fixed 8" x 8" U-Head

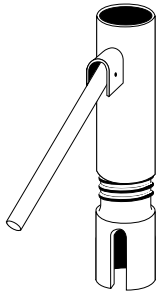
WEIGHT – LB. (KG)
18.5 (8.4)
DESCRIPTION
Allows adjustment.



Universal Screwjack

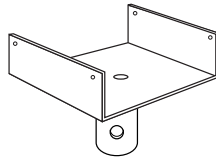
ITEM NO. WEIGHT – LB. (KG)
513 14.25 (6.5)
DESCRIPTION
Allows 22" (559mm) adjustment

Accessories



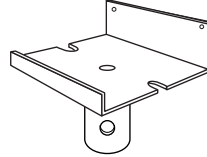
Shore Attachment

ITEM NO. WEIGHT – LB. (KG)
2168 6.5 (3.0)
DESCRIPTION
Used over top of frame leg so that the shore staff may be used with the frame.
Note: Allows 5" (127mm) adjustment closed 9³/₄" (248mm) open 14³/₄" (375mm).



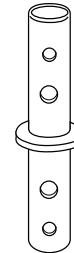
8" x 8" U-Head

ITEM NO. WEIGHT – LB. (KG)
469 12.8 (5.8)



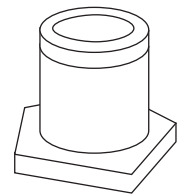
5" x 8" J-Head

ITEM NO. WEIGHT – LB. (KG)
239 8 (3.6)
DESCRIPTION
Note: Collar fits over screwjack or staff.



Universal Connector

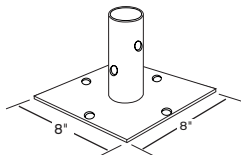
ITEM NO. WEIGHT – LB. (KG)
466 2 (0.90)
DESCRIPTION
Used as a connector when stacking either Hi-Load Frames or Shore-X Frames.
Note: Cannot be used to join screw heads and base plates frame legs.



Hi-load Adapter

ITEM NO. WEIGHT – LB. (KG)
3993 0.25 (0.11)
DESCRIPTION
Adapts Universal Screwjack for use in Hi-Load frames.

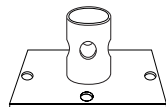
Braces and Accessories



Frame Base Plate

ITEM NO. WEIGHT – LB (KG)
476 8 (3.6)

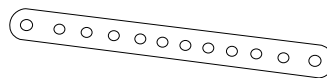
Note: Tube fits inside frame leg.



Screw Base Plate

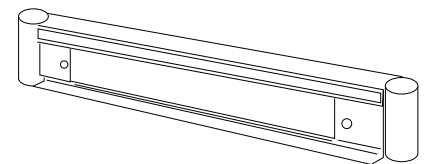
ITEM NO. WEIGHT – LB (KG)
474 8 (3.6)

Note: Tube fits outside jackscrew.



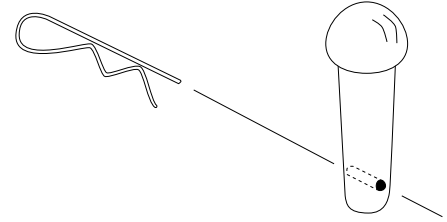
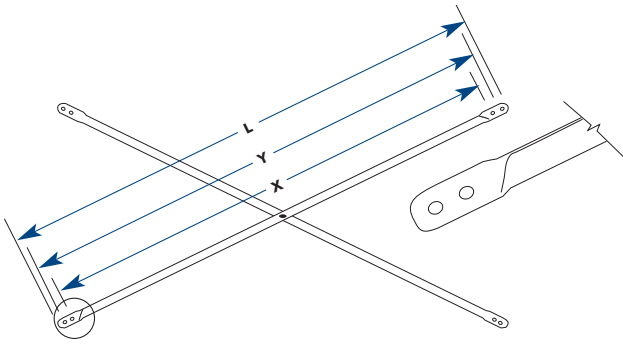
Bar Brace

ITEM NO. WEIGHT – LB (KG)
437 2.5 (1.1)
DESCRIPTION
Used for close spacing of frames.



Hi-Load Saddle Beam

ITEM NO. WEIGHT – LB (KG)
472 18 (8.2)
DESCRIPTION
Used to carry loads at top of frame similar to ledger bearers.



Double Hole Angle Cross Braces (imperial measurements)

ITEM NO.	SIZE	L	X	Y	WEIGHT
2183	3' & 4' x 4'	69 ³ / ₈ "	60"	67 ⁷ / ₈ "	11 lb.
2184	3' & 4' x 5'	78 ³ / ₈ "	70"	76 ⁷ / ₈ "	13 lb.
2186	3' & 4' x 7'	98 ¹ / ₄ "	91 ¹³ / ₃₂ "	96 ³ / ₄ "	17 lb.
2189	3' & 4' x 10'	130 ³ / ₄ "	125 ⁹ / ₃₂ "	129 ¹ / ₄ "	22 lb.

(Metric equivalent sizes)

ITEM NO.	SIZE	L	X	Y	WEIGHT
2183	914mm & 1219 mm x 1219mm	1762mm	1524mm	1724mm	5.0kg
2184	914mm & 1219mm x 1524mm	1990mm	1778mm	1953mm	5.9kg
2186	914mm & 1219mm x 2134mm	2496mm	2322mm	2457mm	7.7kg
2189	914mm & 1 219mm x 3048mm	3312mm	3182mm	3283mm	10.0kg

Rivet (⁵/₈" x 3" drilled)

ITEM NO.	WEIGHT - LB. (KG)	SIZE
3991	0.33 (0.15)	⁵ / ₈ " x 3" (16mm x 76mm) drilled

DESCRIPTION

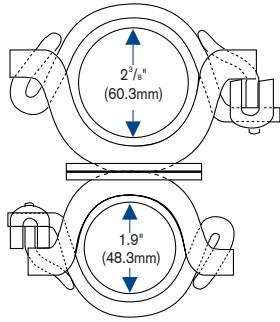
Used to secure heads to screws and staffs and to lock connectors in frame legs.

Hitch pin (for rivet)

ITEM NO.	WEIGHT
4045	7.7kg

Clamps

Hi-Load Frame Maximum Safe Working Leg Loads

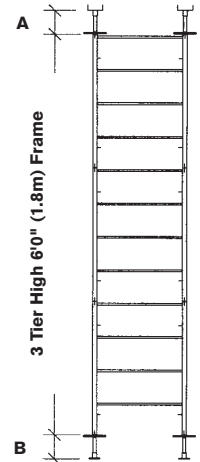
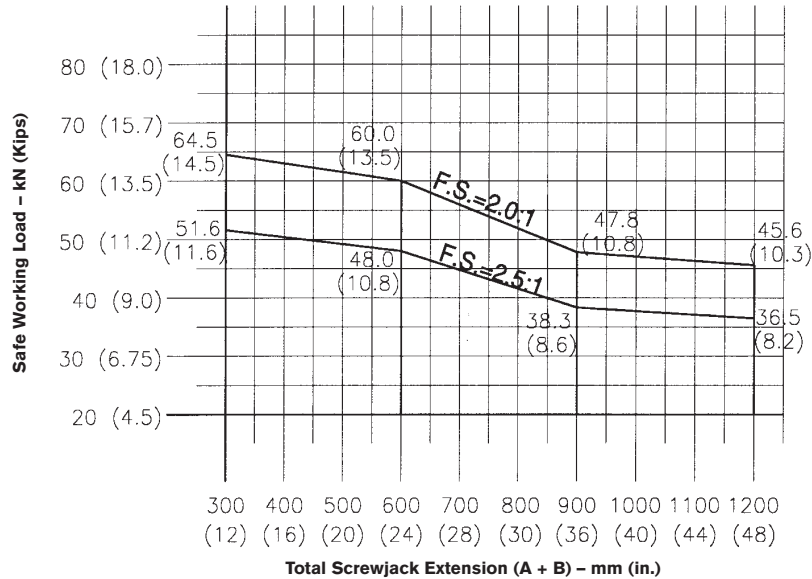


Hi-Load Swivel Clamp

ITEM NO.	WEIGHT - LB. (KG)
1633	3.5 (1.6)

DESCRIPTION

To connect Hi-Load base frame legs and 1.9" (48.3mm) O.D. Tube.



3 Tier High Hi-Load Frame with same Screwjack Extension Top and Bottom

Notes: Loading stated is vertical load only in kN/Leg or 1000's of lbs per leg.
Loading is for complete braced towers, not free-standing frames.
Loading information on other frames available through our engineering departments.

Consult our Engineering Department for assistance in the application of these accessories.
Illustrations are not drawn to scale. All dimensions nominal.

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