

NEW

R·M·D
KWIKFORM

NORTH AMERICA

ALSHOR PLUS



CMC Construction Services



Distributed in the U.S. by CMC Construction Services

people make the difference

RMD Kwikform and CMC Construction Services are a powerful team comprising the skills, experience and energy of over 2000 men and women in 16 countries. Totally diverse in nationality, culture, language and background. Totally united in the pursuit of customer satisfaction.



The unique dome-lock base plate allows a combination of 10 and 2.5 degrees of rotation, enabling compound grades to be accommodated, reducing load eccentricity and increasing allowable leg loads.



introducing new alshor plus

PLUS

Alshor Plus is the next generation of a proven aluminium shoring system. **With loading of up to 21.6 kips/leg**, and a multitude of **labour saving** details enabling shoring operations to be carried out with increased **safety**, improved on-site **versatility** and greater **cost effectiveness**.

It's the result of over 50 years experience gained on major projects throughout the world. What's more, our network of local branches means when you deal with RMD Kwikform, you talk to people who understand the working environment, technical difficulties and challenges you face.

The use of coupling pins provides fast and secure leg to leg connection, avoiding the use of bolts, reducing labour, numbers of parts and construction programme

PLUS



PLUS

The tab and pocket design of the connection between legs and frames provides a secure, visibly safe and quick connection, allowing the frame to be easily installed or removed whilst assembled. The fixed pocket pitch ensures that tall structures go together straight and true every time.





Variable load capacity up to 21.6 kips/leg, depending on the number and configuration of frames, allows economic design through many assembly options, by choosing different grid sizes and the minimum number of brace frames in height.

PLUS



The increased performance of Alshor Plus will allow even greater support to shoring and formwork applications, including:

- Static slab support.
- Towers.
- Continous space frame.
- Mobile tables.
- Flying tables.
- Post Shores/Re-Shores



PLUS

Integral measuring tape embedded in the screw jack ensures accuracy of build, speeding-up assembly, and reducing labour cost.



Rapid and easy load stripping of 1/2" is enabled by the unique and integral load release mechanism reducing operator fatigue, equipment damage and speeding cycles.



PLUS

Unique extruded grooves in the long screw jack self clean the thread and prevent rotation of the jack when inserted in the outer leg, making adjustment quick and easy.



PLUS



features and benefits

- **Increased load capacity**, reducing support equipment and improving cycle times, allowing fast erection and easy in-place modification, reducing site delays and construction costs.
- **Variable brace frame position** allows greater economy for both high and low level support.
- **Additional safety features** such as: Ledger Frame pockets at 1'7 1/2" centers enable the use of additional handrails **increasing on-site safety**



Snap-in system head details which can accommodate single or twin stringers, further speed erection and enhance safety by enabling stringers to be fixed centrally.

The fast thread provides rapid jack adjustment with 1" of movement for every rotation of the collar through over 4 feet of adjustment.

PLUS



PLUS

The unique load release mechanism gives a quick and effective release of load without the need for wrenches. As well as reducing operator fatigue, this also eliminates the damage experienced with systems without this feature.



Extended and stepped lower frame tabs ease entry of frames to fit with legs further speeding assembly.



- Alshor Plus is a **fully integrated system**, and can be readily combined with standard aluminum joists and stringers to provide the **most effective and cost competitive support for soffit formwork**.
- A **simple, single action** connects and secures all four ledger frame tabs, simultaneously making Alshor Plus the **quickest system to erect**.
- **Increased jack extension range** allow s Alshor Plus greater on-site flexibility.

Alshor Plus has been designed to increase the speed of erection through the

- **minimal number of loose parts**, enhancing cost effectiveness.

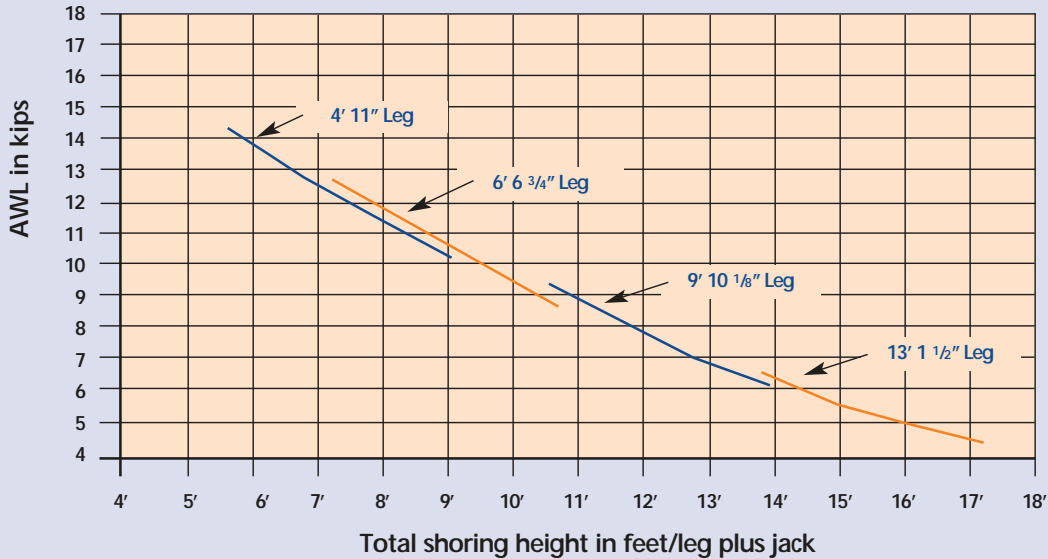


Allowable Working Loads (AWL)

For full details refer to the Alshor Plus Technical Data Sheets available from your local CMC Construction Services Engineering Office.

AWL in Single Vertical Alshor Plus Post Shores with Laterally Braced Deck Conditions.

Base Fixed against Rotation, Top Pinned with a 1/4" Load Eccentricity (fos-3.0).

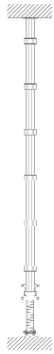
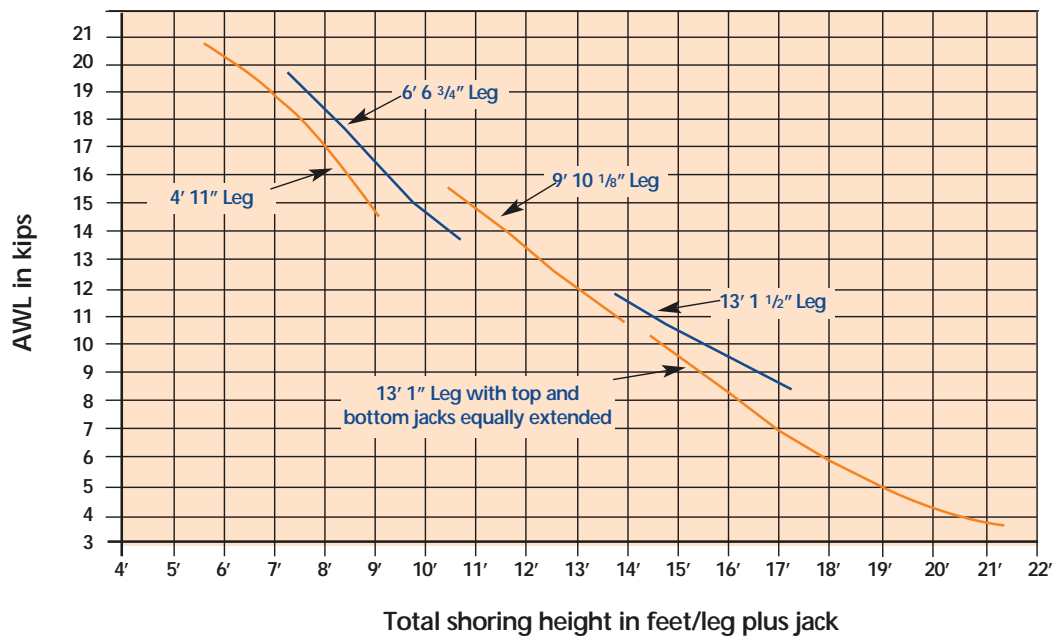


Ensure that the base jacks bear against foundations that are restrained against rotation, eg, a concrete slab or adequate soil footing pad. Erect legs within 1.5 degrees of vertical.

Graph B1 - Post Shoring to Formwork.

AWL in Single Vertical Alshor Plus Reshores.

Jack one end, base and head restrained against rotation (FOS = 3.0).



Ensure that both ends of the structure bear against foundations that are restrained against rotation, eg, a concrete slab. Erect legs within 1.5 degrees of vertical. Place a ply pad minimum of 8" square between the non-jack end of the prop and the structure,

Graph B2 - Reshoring Application



ASX32000 & ASX33000



ASX10013 Coupling Pin



Legs

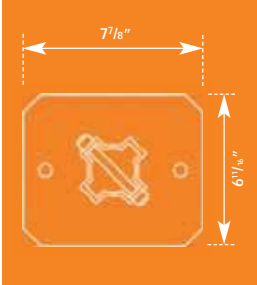
Code	Description	Wt. (lb)
ASX31500	Alshor Plus Leg 4' 11 1/16"	13.1
ASX32000	Alshor Plus Leg 6' 6 3/4"	17.39
ASX33000	Alshor Plus Leg 9' 10 1/8"	26.24
ASX34000	Alshor Plus Leg 13' 1 1/2"	34.83
ASX10013	Alshor Plus Coupling Pin 1/4	2.65
ASX10016	Alshor Plus Pocket Assembly	5.71
ASX10020	Alshor Plus Pin - Straight	0.66

ASX10015



Head Plates

Code	Description	Wt. (lb)
ASX10023	Alshor Plus U Plate 10 5/8" x 8 5/8" x 1/4"	8.82
ASX10015	Alshor Plus U Head 8 5/8" x 3/8"	9.70

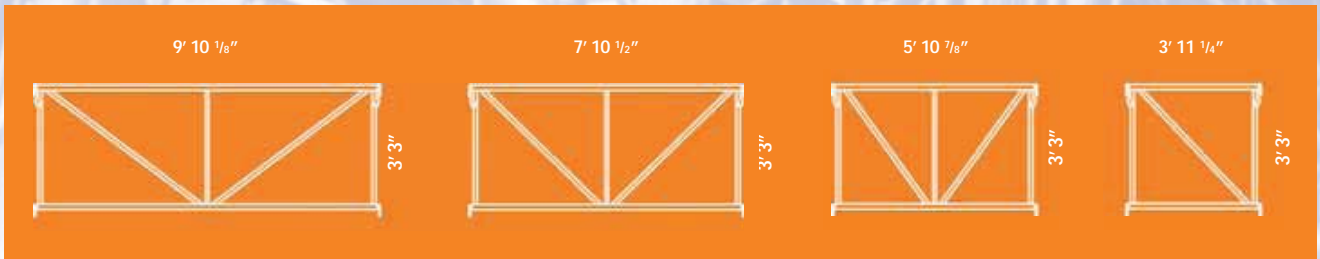


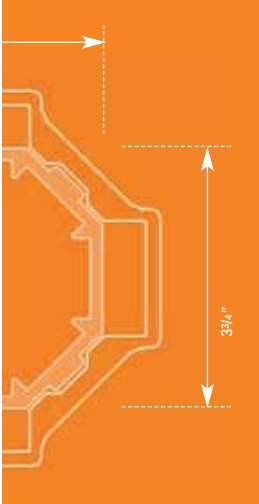
Base Plates/ Plain Head

Code	Description	Wt. (lb)
ASX10011	Alshor Plus Base 3/8"	6.39

Brace Frames

Code	Description	Wt. (lb)
ASX41200	Alshor Plus Frame 3' 11 1/4"	20.28
ASX41800	Alshor Plus Frame 5' 10 7/8"	26.90
ASX42400	Alshor Plus Frame 7' 10 1/2"	31.96
ASX43000	Alshor Plus Frame 9' 10 1/8"	41.45

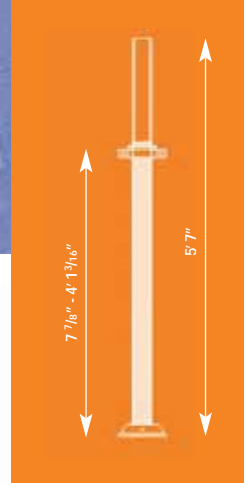




ASX10029 Jack Spanner



ASX10012
Long Jack



Jacks

Code	Description	Wt. (lb)
ASX10012	Alshor Plus Jack - long Adj = 7 7/8" - 4' 1 3/16"	37.92
ASX10030	Alshor Plus Jack - standard Adj = 4 3/4" - 2' 5 1/2"	24.25
ASX10029	Alshor Plus Jack Spanner	2.76

Trolley

Code	Description	Wt. (lb)
ASX10014	Alshor Plus Trolley SWL = 882lb Range = 3' 7 5/16" x 7' 1"	190.04



Drop Beam Bracket

Code	Description	Wt.(lb)
ASX10040	Alshor Plus Drop Beam Bracket (SWL = 1.8Kips)	3.09

ASX41800

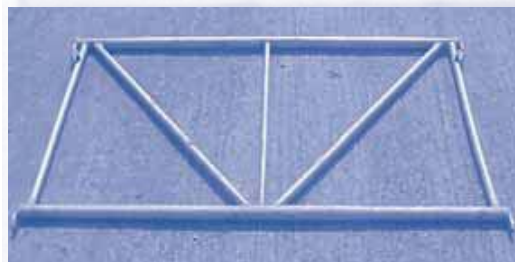


Castor Unit

Code	Description	Wt. (lb)
ASX10038	Alshor Plus Castor Unit	82.67
ASX10039	Alshor Plus Castor Unit Handle	18.73

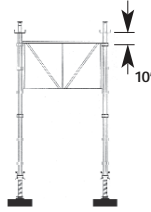
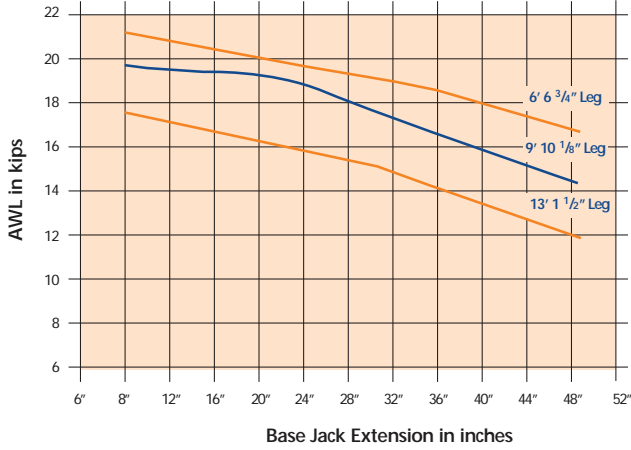
C-Frame

Code	Description	Wt. (lb)
ASX10041	Alshor Plus C Frame Assembly	2460.00
ASX10042	Alshor Plus C Frame Chain Assembly	180.78



AWL in Vertical Alshor Plus towers with Laterally Braced Deck Conditions.

Base restrained against rotation, head pinned with a load eccentricity of $1/4"$ (FOS = 2.5).

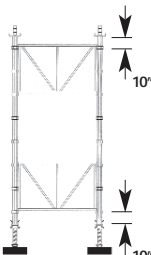
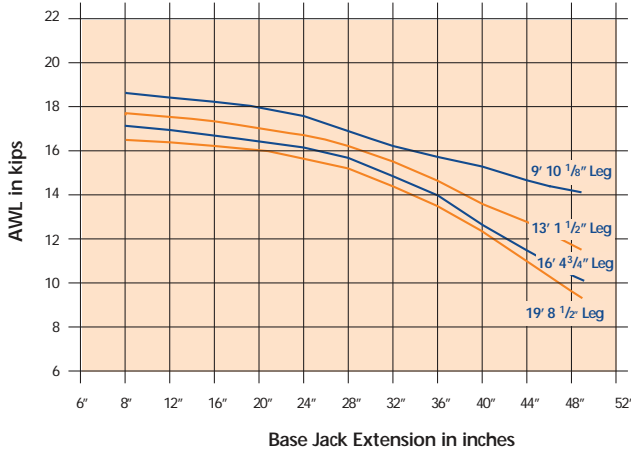


No top jack, 1 frame.

Ensure that the base jacks bear on a foundation that is restrained against rotation, eg, a concrete slab or adequate soil footing pad.

AWL in Vertical Alshor Plus towers with laterally Braced Desk Conditions.

Base restrained against rotation, top pinned with a load eccentricity of $1/4"$ (FOS = 2.5).

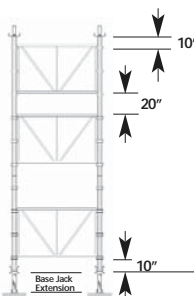
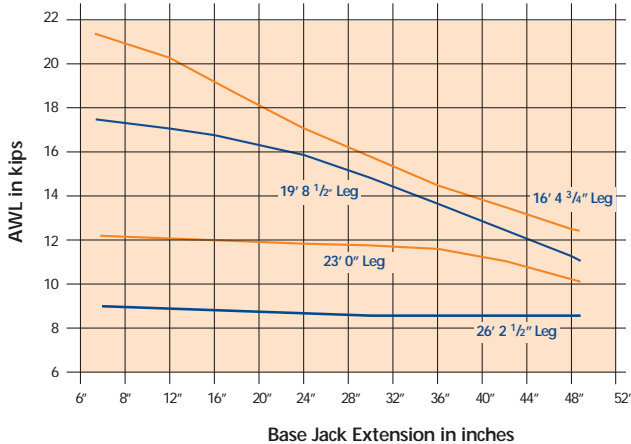


No top jack, 2 frames.

Ensure that the base jacks bear on a foundation that is restrained against rotation, eg, a concrete slab or adequate soil footing pad.

AWL in Vertical Alshor Plus towers with Laterally Braced Deck Conditions.

Base restrained against rotation, top pinned with a load eccentricity of $1/4"$ (FOS = 2.5).



No top jack, 3 frames.

Ensure that the base jacks bear on a foundation that is restrained against rotation, eg, a concrete slab or adequate soil footing pad.



	Phone	Fax
Arizona		
Phoenix 601 S. 19th Ave.	602-257-0993	602-257-1875
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