Components

Mega Props

Prop Endplate

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Height Range</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0742-000002</td>
<td>Mega Prop #2</td>
<td>170cm-290cm</td>
<td>18.00 Kg</td>
</tr>
<tr>
<td>0102-0742-000004</td>
<td>Mega Prop #4</td>
<td>290cm-410cm</td>
<td>23.00 Kg</td>
</tr>
<tr>
<td>0102-0742-000006</td>
<td>Mega Prop #6</td>
<td>430cm-550cm</td>
<td>29.00 Kg</td>
</tr>
</tbody>
</table>
# Components

Mega Outer Ext

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0744-000050</td>
<td>Mega Outer Ext 0.5m</td>
<td>20&quot;</td>
<td>3.50 Kg</td>
</tr>
<tr>
<td>0102-0744-000125</td>
<td>Mega Outer Ext 1.25m</td>
<td>49&quot;</td>
<td>8.50 Kg</td>
</tr>
<tr>
<td>0102-0744-000200</td>
<td>Mega Outer Ext 2.00m</td>
<td>6'6.75&quot;</td>
<td>12.50 Kg</td>
</tr>
<tr>
<td>0102-0744-000300</td>
<td>Mega Outer Ext 3.00m</td>
<td>9'-10&quot;</td>
<td>18.50 Kg</td>
</tr>
<tr>
<td>0102-0744-000500</td>
<td>Mega Outer Ext 5.00m</td>
<td>16'-5&quot;</td>
<td>24.00 Kg</td>
</tr>
</tbody>
</table>
Components

Mega Jacks

Jack Endplate

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0743-000120</td>
<td>Mega Jack 1.2m</td>
<td>4'</td>
<td>10.40 Kg</td>
<td>22.9 lbs</td>
</tr>
<tr>
<td>0102-0743-000040</td>
<td>Mega Jack 0.4m</td>
<td>16&quot;</td>
<td>7.00 Kg</td>
<td>15.4 lbs</td>
</tr>
</tbody>
</table>
Components

Mega Frames

The Mega Frame length is from Spindelleg center to Spindelleg center

The Ledger Frame height is 33"

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Center to Center</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0745-000060</td>
<td>Mega Frame 0.6m</td>
<td>1'-11 5/8&quot;</td>
<td>5.90 Kg</td>
<td>13.0 lbs</td>
</tr>
<tr>
<td>0102-0745-000090</td>
<td>Mega Frame 0.9m</td>
<td>2'-11 3/8&quot;</td>
<td>7.20 Kg</td>
<td>15.8 lbs</td>
</tr>
<tr>
<td>0102-0745-000120</td>
<td>Mega Frame 1.2m</td>
<td>3'-11 2/8&quot;</td>
<td>6.70 Kg</td>
<td>14.8 lbs</td>
</tr>
<tr>
<td>0102-0745-000180</td>
<td>Mega Frame 1.8m</td>
<td>5'-10 7/8&quot;</td>
<td>10.20 Kg</td>
<td>22.5 lbs</td>
</tr>
<tr>
<td>0102-0745-000240</td>
<td>Mega Frame 2.4m</td>
<td>7'-10 4/8&quot;</td>
<td>13.50 Kg</td>
<td>29.8 lbs</td>
</tr>
<tr>
<td>0102-0745-000300</td>
<td>Mega Frame 3.0m</td>
<td>9'-10 1/8&quot;</td>
<td>15.90 Kg</td>
<td>35.0 lbs</td>
</tr>
</tbody>
</table>
## Components

### Mega Alum Beam 225

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0746-000120</td>
<td>Mega Alum Beam 225 x 1.2m</td>
<td>3'-11 1/4&quot;</td>
<td>10.20 Kg</td>
<td>22.5 lbs</td>
</tr>
<tr>
<td>0102-0746-000180</td>
<td>Mega Alum Beam 225 x 1.8m</td>
<td>5'-10 7/8&quot;</td>
<td>12.75 Kg</td>
<td>28.1 lbs</td>
</tr>
<tr>
<td>0102-0746-000240</td>
<td>Mega Alum Beam 225 x 2.4m</td>
<td>7'-10 1/2&quot;</td>
<td>20.40 Kg</td>
<td>45.0 lbs</td>
</tr>
<tr>
<td>0102-0746-000300</td>
<td>Mega Alum Beam 225 x 3.0m</td>
<td>9'-10 1/8&quot;</td>
<td>25.50 Kg</td>
<td>56.2 lbs</td>
</tr>
<tr>
<td>0102-0746-000420</td>
<td>Mega Alum Beam 225 x 4.2m</td>
<td>13'-9 3/8&quot;</td>
<td>35.70 Kg</td>
<td>78.7 lbs</td>
</tr>
<tr>
<td>0102-0746-000450</td>
<td>Mega Alum Beam 225 x 4.5m</td>
<td>14'-9 3/8&quot;</td>
<td>38.25 Kg</td>
<td>84.3 lbs</td>
</tr>
<tr>
<td>0102-0746-000540</td>
<td>Mega Alum Beam 225 x 5.4m</td>
<td>17'-8 5/8&quot;</td>
<td>45.90 Kg</td>
<td>101.2 lbs</td>
</tr>
<tr>
<td>0102-0746-000600</td>
<td>Mega Alum Beam 225 x 6.0m</td>
<td>19'-8 1/4&quot;</td>
<td>51.00 Kg</td>
<td>112.5 lbs</td>
</tr>
<tr>
<td>0102-0746-000720</td>
<td>Mega Alum Beam 225 x 7.2m</td>
<td>23'-7 1/2&quot;</td>
<td>61.20 Kg</td>
<td>135.0 lbs</td>
</tr>
</tbody>
</table>

**Dimensions:**
- Width: 10cm
- Height: 22.5cm
- Depth: 8.9"
Components

AH20 Timber Girder

Technical Information

Maximum Bending Moment \( M = 5,532 \text{ lbs}\cdot\text{ft} \)
Maximum Shear Force \( Q = 3,710 \text{ lbs} \)
Weight \( 3.75 \text{ lbs/ft} \)

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Length</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0641-000250</td>
<td>Girder AH20 x 2.5m</td>
<td>8'-2 3/8&quot;</td>
<td>13.95 Kg</td>
<td>30.8 lbs</td>
</tr>
<tr>
<td>0102-0641-000290</td>
<td>Girder AH20 x 2.9m</td>
<td>9'-6 1/8&quot;</td>
<td>16.20 Kg</td>
<td>35.9 lbs</td>
</tr>
<tr>
<td>0102-0641-000330</td>
<td>Girder AH20 x 3.3m</td>
<td>10'-10&quot;</td>
<td>18.40 Kg</td>
<td>40.9 lbs</td>
</tr>
<tr>
<td>0102-0641-000390</td>
<td>Girder AH20 x 3.9m</td>
<td>12'-9 1/2&quot;</td>
<td>21.70 Kg</td>
<td>48.2 lbs</td>
</tr>
<tr>
<td>0102-0641-000490</td>
<td>Girder AH20 x 4.9m</td>
<td>16'-1&quot;</td>
<td>27.35 kg</td>
<td>60.30 lbs</td>
</tr>
</tbody>
</table>
Components

Mega Splice Plate

Used to splice two AluBeam 225 together. Use two plates per connection

Mega Connection Bracket

Use two (2) Connection Brackets per connection. Insures full compression strength through the Mega Props

Mega Clamp R12x50

Used to connect the Mega Alum Beam 225 to the Mega Prop (or Mega Jack) end plate

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0790-000010</td>
<td>Mega Splice Plate Set</td>
<td>16.00 Kg</td>
<td>35.20 lbs</td>
</tr>
<tr>
<td>0102-0790-000001</td>
<td>Mega Connection Bracket</td>
<td>0.80 Kg</td>
<td>1.76 lbs</td>
</tr>
<tr>
<td>0102-0790-000005</td>
<td>Mega Clamp R12x50</td>
<td>0.25 Kg</td>
<td>0.55 lbs</td>
</tr>
</tbody>
</table>
Components

Mega Clamp R12x100

Mega Swivel head Plate (up to 33°)

Mega Half Coupler

Connected with 4 pcs
\( \frac{1}{2} \)" x 1.5" Bolts and Nuts

Used to connect 1.9" scaffold tubing to the Mega Props

Mega Retainer Claw

Used at the end plate of MegaProps or Mega Outer Ext to retain the Mega Jack. Required when Mega Jacks are used both top and bottom and the shoring towers will be crane handled as tables

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0790-000011</td>
<td>Mega Clamp R12x100</td>
<td>0.30 Kg</td>
<td>0.66 lbs</td>
</tr>
<tr>
<td>0102-0790-00003</td>
<td>Mega Swivel Head Plate</td>
<td>2.70 Kg</td>
<td>6.0 lbs</td>
</tr>
<tr>
<td>0102-0790-00002</td>
<td>Mega Half Coupler</td>
<td>1.40 Kg</td>
<td>3.0 lbs</td>
</tr>
<tr>
<td>0102-0790-00009</td>
<td>Retainer claw</td>
<td>0.30 Kg</td>
<td>0.66 lbs</td>
</tr>
</tbody>
</table>
Components

Mega Barella

- Mega Steering Wheels with brakes
- Mega Rigid Wheels

Mega Spanner

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0790-000022</td>
<td>Mega Barella 4'-8&quot;x2'-10&quot; h=1'-11&quot;</td>
<td>38.00 Kg</td>
<td>83.8 lbs</td>
</tr>
<tr>
<td>0102-0790-000023</td>
<td>Mega Rigid wheels</td>
<td>5.50 Kg</td>
<td>12.0 lbs</td>
</tr>
<tr>
<td>0102-0790-000024</td>
<td>Mega Steering wheels</td>
<td>6.20 Kg</td>
<td>13.7 lbs</td>
</tr>
<tr>
<td>0102-0790-000008</td>
<td>Mega Spanner</td>
<td>2.50 Kg</td>
<td>5.5 lbs</td>
</tr>
</tbody>
</table>
Components

Transportation

Mega Trolley

All 4 wheels are steering wheels. The trolley capacity is 2,248 lbs (10 kN).

Mega Guard Rail Post

This post works with the H20 Girder, the AluBeam 225, as well as with lumber & plyform decks.

Mega Hinge Plate

<table>
<thead>
<tr>
<th>Code No.</th>
<th>Description</th>
<th>Weight</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0102-0790-000014</td>
<td>Mega Trolley</td>
<td>124.00 Kg</td>
<td>273.2 lbs</td>
</tr>
<tr>
<td>0102-0790-000015</td>
<td>Mega Guard Rail Post</td>
<td>12.00 Kg</td>
<td>26.5 lbs</td>
</tr>
<tr>
<td>0102-0790-000013</td>
<td>Mega Hinge Plate</td>
<td>9.30 Kg</td>
<td>20.5 lbs</td>
</tr>
</tbody>
</table>
Height Range

Mega Prop # 2

580.0cm [19-0.3']

340.0cm [11-1.9']

290.0cm [9-6.9']

170.0cm [5-6.9']
Height Range

Mega Prop # 6

430.0cm [14'-1.3"]

550.0cm [18'-0.5”]

860.0cm [28'-2.6”]

1100.0cm [36'-1.1”]
Height Range

# 6 + # 2 Mega Prop

# 6 + # 4 Mega Prop

600.0cm [19'-8.2"]

840.0cm [27'-6.7"]

720.0cm [23'-7.5"]

960.0cm [31'-6.0’]
Height Range

Mega Jack 1.2m

Mega Jack 0.4m

161.0cm
[5'-3.4'']

120.0cm
[3'-11.3'']

9.0cm
[3.5'']

48.4cm
[1'-7.0'']
Retainer Clip

Spring-loaded latching device clips over flange on the jack's wing nut to keep the jack from sliding out of the leg when the falsework is crane-handled. The clip allows the wing nut to be rotated to extend or retract the jack as needed.
The Mega Frame is connected to the Mega Prop at 3 points with a spring-loaded wing nut and T-bolt.

Push the wing nut into the slot in the leg and turn 90 degrees. This will turn the T-bolt in the slot and allow the wing nut to be tightened.

Note:
The groove stamped into the end of the T-bolt which indicates the alignment of the T-head.
Beam Connection

Connect the Mega Alum Beam 225 to the Mega Prop or Mega Jack end plate with the Mega Clamp R12x50.

Connect the H20 Girder to the AluBeam Stringer using the H20 Clamp R12x100.
MegaShore Load Charts

MegaShore Frame Loads

MegaShore Frame Loads
MegaShore Load Charts

MegaShore Frame Loads

Megashore Screw Jack Extension
Timber Beam Load Charts

H20 Timber Girder

AH20 Girder 19" o.c.
Mega Frame Connection

The Mega Frames should be located 15" from the end of the Mega Prop
Mega Frame Connection
Ledger Frame Connection
Ledger Frame Connection
Method of erection

Step 1:
- Place a Mega Prop on the ground.
- Measure the Mega Jack extension.
- Mark the Prop 15" from the Iflon washer (to locate ledger frame).
- Attach the frame to the top slot on the Mega Prop.
- Fasten the middle Mega Frame wing nut (see page 20) snug, but not tight. Check the Mega Frame location against the mark on the leg.
- Fasten the other two Mega Frame wing nuts, then tighten all three.

Step 2:
- Rotate the Prop and attached Mega Frame to lay flat on the ground.
- Take the second Mega Prop and measure the Mega Jack extension.
- Mark the Prop15" from the Iflon washer.
- Attach the Frame to the second Prop as in Step 1.
Method of erection

**Step 3:**
-- Attach two Mega Frames (one to each Prop) so that the Mega Frames are vertical.

**Step 4:**
- Repeat Steps 1 & 2 to make a second pair of Props with the Mega Frame attached.
Method of erection

Step 5:
- Tilt up the U-shaped Props with 3 Mega Frames.
- Tilt up the other pair of Mega Props with one Mega Frame and bring them to the U-shaped tower.
- Connect the Mega Frames to the Mega Props making sure to check the 15" dimension from the Teflon washers.

Step 6:
- Check the plumbness of the Mega Props by adjusting the Mega Jacks as required.
Method of erection

Step 7:
- Connect the Mega Alum Beam 225 to the Mega Prop end plate with the Mega Clamps R12x50.

Step 8:
- Connect the AH20 Girders to the Mega Alum Beam 225 with the Mega Clamps R12x100.
Method of erection

Step 9:
- To move the tower use a minimum of 2 Mega Trolleys.
- Bring the Mega Trolley under the Mega Frame. Align the U-shaped catch on the Trolley with the Mega Frame and crank the handle on the trolley to lift the tower.

The trolleys can also be used to raise (or lower) a tower to facilitate tower height adjustment.

Step 10:
- When the tower height requires more than one Prop to get the required height, be sure to connect the Props together with the Mega Connection Bracket (see Page 10) BEFORE attaching any frames.
Method of erection

Step 11:
- Put two Mega Prop end plates together. Position the Mega Connection Bracket (see Page 10) as shown in the photo and tighten the wing nuts evenly top and bottom.

Step 12:
- When a Mega Prop requires a Mega Jack at the top, use the Mega Retainer Claw shown on Page 11.
- Insert the additional Mega Jack into the leg until the Mega Jack's wing nut contacts the end plate.
- Attach the MegaRetainer Claw utilizing one of the middle slots on the Prop's end plate and tighten the claw's wing nut.
Examples

Mega Prop #2

240

15'-11\frac{3}{8}\" [486cm]

Mega Prop #2

240

8'-8\" [264cm]

540
Examples

AH20 L = 330cm
Mega Frame 240

Mega Alum Beam 540

330cm
[10'-9\(\frac{7}{8}\)"

540cm
[17'-8\(\frac{5}{8}\)"

Mega Prop #4

382cm
[12'-6\(\frac{3}{8}\)"

240
240

240
240
Examples

AH20 L = 330cm
Mega Frame 240

Mega Alum Beam 540

330cm

540cm
[17’-8\(\frac{5}{8}\)’]

Mega Prop #2
Mega Prop #4

604cm
[19’-6\(\frac{1}{4}\)’]
Examples

[23'-7 7/8"]

721cm

Mega Prop # 4

Mega Prop # 4

Mega Prop # 6

Mega Prop # 2

240

240

240

240

5'
Examples