Suspended Scaffolding
**HOISTS**

**PC3**

- Easy to operate, upgrade, service and handle
- Proven load-dependant traction system
- Removable motherboard with electrical components to do fast, inexpensive power-induced repair
- Covers prevent debris accumulation
- Built-in overspeed brake
- Pendant ready

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor (HP</th>
<th>PSI)</th>
<th>Capacity (lbs)</th>
<th>Draw (amp)</th>
<th>Speed (ft / min)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC3-1000E</td>
<td>208VAC, 60 Hz, Single Phase</td>
<td>1000</td>
<td>7</td>
<td>35</td>
<td>99</td>
<td></td>
</tr>
<tr>
<td>PC3-1500E</td>
<td>208VAC, 60 Hz, Single Phase</td>
<td>1500</td>
<td>9</td>
<td>35</td>
<td>101</td>
<td></td>
</tr>
<tr>
<td>PC3-15003E</td>
<td>208VAC, 60 Hz, Three Phase</td>
<td>1500</td>
<td>8</td>
<td>35</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>PC3-1000-110</td>
<td>110VAC, 60 Hz, Single Phase</td>
<td>1000</td>
<td>14</td>
<td>&gt;15</td>
<td>99</td>
<td></td>
</tr>
</tbody>
</table>

**PC1**

- Lightweight and compact
- Proven load-dependant traction system
- Breech-load capability
- Built-in overspeed brake
- Dual wire rope capability

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor (HP</th>
<th>PSI)</th>
<th>Capacity (lbs)</th>
<th>Draw (amp)</th>
<th>Speed (ft / min)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PC1-1000E</td>
<td>220VAC, 60 Hz, Single Phase 1.0hp</td>
<td>1000</td>
<td>7</td>
<td>35</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td>PC1-1000EDV</td>
<td>110/220VAC, 60 Hz, Single Phase 1.0hp</td>
<td>1000</td>
<td>7/14</td>
<td>35</td>
<td>106</td>
<td></td>
</tr>
<tr>
<td>PC1-1000E3</td>
<td>208/240VAC, 60 Hz, Three Phase 1.0hp</td>
<td>1000</td>
<td>6</td>
<td>35</td>
<td>102</td>
<td></td>
</tr>
<tr>
<td>PC1-1000A</td>
<td>Air, 8 vane, 90-120psi 4.0hp</td>
<td>750/1000</td>
<td>40-70 cfm</td>
<td>up to 35</td>
<td>88</td>
<td></td>
</tr>
</tbody>
</table>

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HOISTS

COMPACT SERIES

- Includes Skylock III overspeed brake
- Solid Sheave technology
- Pendant ready
- Fits through small (18") opening

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor (HP</th>
<th>PSI)</th>
<th>Capacity (lbs)</th>
<th>Draw (amp)</th>
<th>Speed (ft/min)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>KCE-1000-220</td>
<td>230VAC, 60 Hz, Single Phase 1.3hp</td>
<td>1000</td>
<td>7.5</td>
<td>32-35</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td>KCE-1250-220</td>
<td>230VAC, 60 Hz, Single Phase 1.3hp</td>
<td>1250</td>
<td>7.5</td>
<td>32-35</td>
<td>104</td>
<td></td>
</tr>
<tr>
<td>KCE-1500-220</td>
<td>230VAC, 60 Hz, Single Phase 1.3hp</td>
<td>1500</td>
<td>9.24</td>
<td>32-35</td>
<td>123</td>
<td></td>
</tr>
</tbody>
</table>

BISOMAC

- Ultra low-voltage capability
- Independent overspeed device
- Available overload device

<table>
<thead>
<tr>
<th>Model</th>
<th>Motor (HP</th>
<th>PSI)</th>
<th>Capacity (lbs)</th>
<th>Draw (amp)</th>
<th>Speed (ft/min)</th>
<th>Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>830210</td>
<td>208VAC, 60 Hz, Single Phase 1.2/1.5hp</td>
<td>1000</td>
<td>10</td>
<td>35</td>
<td>128</td>
<td></td>
</tr>
<tr>
<td>830215</td>
<td>208VAC, 60 Hz, Single Phase 1.5hp</td>
<td>1500</td>
<td>13</td>
<td>35</td>
<td>128</td>
<td></td>
</tr>
</tbody>
</table>
MODULAR STAGES

- Modular design for easy storage, transport, and replacement
- Quick and easy installation – No tools required
- Capable of 50’ platform using two hoists
- UL Classified

---

ULTRA STAGE  SAFE WORKING LOAD ONLY FOR CONFIGURATIONS WITH END STIRRUPS

<table>
<thead>
<tr>
<th>Suspension Distance</th>
<th>Self-weight</th>
<th>Configuration</th>
<th>Instructions for calculating working load</th>
<th>Configuration</th>
<th>Self-weight</th>
<th>Suspension Distance</th>
<th>Max. Safe Working Load (when used with Ultra Stage)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000 lbs 900 kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6' 9&quot; 2 m</td>
<td>240 lbs 132 kg</td>
<td>Type 2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9' 9&quot; 3 m</td>
<td>265 lbs 123 kg</td>
<td>Type 3</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>13' 6&quot; 4 m</td>
<td>363 lbs 164 kg</td>
<td>Type 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>16' 6&quot; 5 m</td>
<td>399 lbs 181 kg</td>
<td>Type 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19' 6&quot; 6 m</td>
<td>435 lbs 197 kg</td>
<td>Type 6</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1500 lbs 680 kg</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23' 3&quot; 7 m</td>
<td>512 lbs 222 kg</td>
<td>Type 8</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26' 3&quot; 8 m</td>
<td>648 lbs 280 kg</td>
<td>Type 10</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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MODULAR STAGE COMPONENTS & ACCESSORIES

Connecting Frame
Wt. 10 lbs.
Part No. 360039

Top Rail Post
Wt. 2 lbs.
Part No. 360054

Wall Roller
Wt. 10 lbs.
Part No. 360111

Caster Assembly
Part No. 360065

Pin Assembly
Part No. 360019

FLOOR PANEL (DECK)

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5m</td>
<td>360193</td>
<td>7 lbs.</td>
</tr>
<tr>
<td>1m</td>
<td>360040</td>
<td>15 lbs.</td>
</tr>
<tr>
<td>1.5m</td>
<td>360041</td>
<td>21 lbs.</td>
</tr>
<tr>
<td>2m</td>
<td>360042</td>
<td>27 lbs.</td>
</tr>
<tr>
<td>3m</td>
<td>360043</td>
<td>37 lbs.</td>
</tr>
</tbody>
</table>

SIDE PANEL

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5m</td>
<td>360195</td>
<td>7 lbs.</td>
</tr>
<tr>
<td>1m</td>
<td>360031</td>
<td>14 lbs.</td>
</tr>
<tr>
<td>1.5m</td>
<td>360032</td>
<td>20 lbs.</td>
</tr>
<tr>
<td>2m</td>
<td>360033</td>
<td>26 lbs.</td>
</tr>
<tr>
<td>3m</td>
<td>360038</td>
<td>37 lbs.</td>
</tr>
</tbody>
</table>

TOP RAIL ASSEMBLY

<table>
<thead>
<tr>
<th>Size</th>
<th>Part No.</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5m</td>
<td>360194</td>
<td>1.5 lbs.</td>
</tr>
<tr>
<td>1m</td>
<td>360146</td>
<td>3 lbs.</td>
</tr>
<tr>
<td>1.5m</td>
<td>360147</td>
<td>4 lbs.</td>
</tr>
<tr>
<td>2m</td>
<td>360148</td>
<td>5 lbs.</td>
</tr>
<tr>
<td>3m</td>
<td>360149</td>
<td>7 lbs.</td>
</tr>
</tbody>
</table>

ADJUSTABLE CORNER
0° thru 90° - Wt. 132 lbs.
Part No. 360100

HORIZONTAL HINGE
Wt. 41 lbs.
Part No. 360105

STANDARD END GATE
Wt. 15 lbs.
Part No. 360140

END STIRRUP
Wt. 32 lbs.
Part No. 360150

MOVEABLE WALK-THRU STIRRUP
Wt. 125 lbs.
Part No. 360130

MOVEABLE WALK-BY LOW PROFILE STIRRUP
Use on Sky Stage standard & boiler platforms
Wt. 126 lbs.
Part No. 360130

2 POINT ATTACHMENT PIECE
Use on Sky Stage standard & boiler platforms
Part No. 361654

NON-POWERED WIRE WINDER
(Includes Spring)
Part No. 121-1

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Fixed Length Aluminum Stages*

2 Person – 500 lbs. Rated*

- Heavy Duty Rung System
- Raised and “Abraded” Decking
- Cast Aluminum Handle-Style Endcaps

<table>
<thead>
<tr>
<th>Stage Length</th>
<th>Width</th>
<th>Side Rail Depth</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
<td>12''</td>
<td>4.5''</td>
<td>56</td>
</tr>
<tr>
<td>20'</td>
<td>12''</td>
<td>5.25''</td>
<td>81</td>
</tr>
<tr>
<td>24'</td>
<td>12''</td>
<td>5.25''</td>
<td>96</td>
</tr>
</tbody>
</table>

12” Wide

<table>
<thead>
<tr>
<th>Stage Length</th>
<th>Width</th>
<th>Side Rail Depth</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
<td>20''</td>
<td>4.5''</td>
<td>66</td>
</tr>
<tr>
<td>20'</td>
<td>20''</td>
<td>5.25''</td>
<td>93</td>
</tr>
<tr>
<td>24'</td>
<td>20''</td>
<td>5.25''</td>
<td>109</td>
</tr>
</tbody>
</table>

20” Wide

<table>
<thead>
<tr>
<th>Stage Length</th>
<th>Width</th>
<th>Side Rail Depth</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
<td>28''</td>
<td>5''</td>
<td>103</td>
</tr>
<tr>
<td>20'</td>
<td>28''</td>
<td>5''</td>
<td>128</td>
</tr>
<tr>
<td>24'</td>
<td>28''</td>
<td>6''</td>
<td>161</td>
</tr>
</tbody>
</table>

3 Person – 750 lbs. Rated*

- Twist-Proof Stage Design
- Individual Slip-Resistant Decking
- Vinyl-coated End Caps Serve as Hand Grips
- Double End Rung Provides Extra Rigidity on Stages 20’ or Longer

28” Wide

<table>
<thead>
<tr>
<th>Stage Length</th>
<th>Width</th>
<th>Side Rail Depth</th>
<th>Approx. Shipping Wt.</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
<td>28''</td>
<td>5''</td>
<td>103</td>
</tr>
<tr>
<td>20'</td>
<td>28''</td>
<td>5''</td>
<td>128</td>
</tr>
<tr>
<td>24'</td>
<td>28''</td>
<td>6''</td>
<td>161</td>
</tr>
<tr>
<td>28'</td>
<td>28''</td>
<td>6'' Heavy Duty</td>
<td>220</td>
</tr>
<tr>
<td>32'</td>
<td>28''</td>
<td>6'' Heavy Duty</td>
<td>251</td>
</tr>
<tr>
<td>36'</td>
<td>28''</td>
<td>6'' Heavy Duty</td>
<td>344</td>
</tr>
<tr>
<td>39'</td>
<td>28''</td>
<td>6'' Heavy Duty</td>
<td>388</td>
</tr>
</tbody>
</table>

* Additional widths and lengths available

---

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TYPICAL ELECTRIC RIG

ELECTRIC STIRRUP
- 5/16" Steel Cable
- 120' Usable Cable

CENTER IRON
- 5/16" Steel Construction
- For Use With 28" Wide Stage

TOE BOARD

ROUND RAIL

PARAPET HOOK
- Steel
- 16'-32'
- 1000lb Rated

PARAPET CLAMP
- Steel
- Adjustable
- 1500lb Capacity

ELECTRIC LINE
- WSO-10-3 Line
- 20 or 30 Amp
- 125' and 250'

YOKE
- WSO-10-3 Line
- 20 or 30 Amp
- 34' or 40'

WIRE ROPE
- 5/16" Diameter
- 5x26 Fiber Core
- 5000' Spool or custom cut

GORILLA CLIMBER
- 5/16" Steel Cable
- 120' Usable Cable

GORILLA CLIMBER STIRRUP

HARDWARE
- 5/16" Domestic Fist Grip
- 5/8" Domestic Shackles
- 5/16" Domestic Turnbuckles
- 5/16" Thimbles

TRANSFORMER
- Step-Down
- Boosters

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TYPICAL ROPE RIG

BLOCK & FALLS (Combination or Manila)

RECTANGULAR RAILS

CENTER IRON

TOE BOARD

ALUMINUM STAGE

STIRRUP

TOE BOARD

STIRRUP

BLOCK & FALL

CENTER IRON

RECTANGULAR RAIL

PARAPET HOOK

PARAPET CLAMP

ROLLER BUMPER

SAFETY LINE

All products in this catalog should be used in accordance with all Local, State, and Federal OSHA laws and codes. In compliance with OSHA requirements, all scaffolding should be erected by and under the supervision of "Competent Persons."
**ROOF RIGGING**

RRR and all its accessories save you time and money. The Rigging Collar, Corner Adapter and Beam Connecting Tube will easily incorporate into your current inventory. No upgrades, changes or rework required. Obtain 8-foot outreach using a Compact 750 hoist and the 24 foot RRR system, 7-foot outreach with any 1000 lb. capacity hoist and 6-foot outreach with 1250 lb. capacity hoist. Telescoping mast enables you to raise the beam up over a 5 foot parapet wall.

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Length</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>154-24 A</td>
<td>16 ft. system</td>
<td>(2) 8 ft beams with all components, splice plates only, except counterweights</td>
</tr>
<tr>
<td>154-24 B</td>
<td>24 ft. system</td>
<td>(3) 8 ft beams with all components, splice plates only, except counterweights</td>
</tr>
<tr>
<td>154-24 C</td>
<td>24 ft. system</td>
<td>(3) 8 ft beams with all components, splice plates only, includes strong back - except counterweights</td>
</tr>
<tr>
<td>154-24 ABT</td>
<td>16 ft. system</td>
<td>(2) 8 ft beams with all components, includes beam connecting tube, except counterweights</td>
</tr>
<tr>
<td>154-24 BBT</td>
<td>24 ft. system</td>
<td>(3) 8 ft beams with all components, includes beam connecting tube, except counterweights</td>
</tr>
<tr>
<td>154-24 CB</td>
<td>24 ft. system</td>
<td>(3) 8 ft beams with all components, includes beam connecting tube - strong back assembly, except</td>
</tr>
<tr>
<td>155-16-1</td>
<td>8 ft. system</td>
<td>(1) 5 ft mid-beam with splice plates</td>
</tr>
<tr>
<td>155-16-1BT</td>
<td>8 ft. system</td>
<td>(1) 5 ft mid-beam with beam connecting tube</td>
</tr>
<tr>
<td>155-3-2</td>
<td>16 ft.</td>
<td>(2) 8 ft mid-beam assembly with splice plates</td>
</tr>
<tr>
<td>155-3-2BT</td>
<td>16 ft.</td>
<td>(2) 8 ft mid-beam assembly with beam connecting tube</td>
</tr>
<tr>
<td>155-21</td>
<td>8 ft. system</td>
<td>(1) end-beam with decals</td>
</tr>
<tr>
<td>155-22</td>
<td>8 ft. system</td>
<td>(1) mid-beam with decals</td>
</tr>
</tbody>
</table>

**WINSAFE**

Modular Outrigger Beams

- Winsafe modular beams reach up to 14 feet, and work on overhangs.
- Simplify Your Field Work - light eight foot lengths are easy to carry and pin together at site.
- Increase Your Safety - our tubular beam is more resistant to lateral deflection and twist than comparable I-Sections.
MATERIAL HOISTS

<table>
<thead>
<tr>
<th>Model</th>
<th>Lift Capacity</th>
<th>Lift Height</th>
<th>Lift Speed</th>
<th>A / C Power</th>
<th>Control Type</th>
<th>Mounting Options</th>
</tr>
</thead>
<tbody>
<tr>
<td>Leo</td>
<td>1000 lbs.</td>
<td>220 ft.</td>
<td>80 f.p.m.</td>
<td>220V Single Phase - 13 Amp</td>
<td>Extendible Pendant</td>
<td>Scaff Trac, Trestle Monorail, Fixed I-Beam, I-Beam Trolley</td>
</tr>
<tr>
<td></td>
<td>2000 lbs.</td>
<td>110 ft.</td>
<td>I-40 f.p.m.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>New Yorker</td>
<td>600 lbs.</td>
<td>350 ft.</td>
<td>80 f.p.m.</td>
<td>220V-12 Amp 80% Duty Cycle</td>
<td>Extendible Pendant</td>
<td>Scaff Trac, Trestle Monorail, Fixed I-Beam, I-Beam Trolley</td>
</tr>
<tr>
<td>Gemini Plus</td>
<td>600 lbs.</td>
<td>220 ft.</td>
<td>80 f.p.m.</td>
<td>220V-12 Amp 80% Duty Cycle</td>
<td>Extendible Pendant</td>
<td>Scaff Trac, Trestle Monorail, Fixed I-Beam, I-Beam Trolley</td>
</tr>
<tr>
<td></td>
<td>1200 lbs.</td>
<td>110 ft.</td>
<td>I-40 f.p.m.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Scorpio Plus XL</td>
<td>400 lbs.</td>
<td>160 ft.</td>
<td>80 f.p.m.</td>
<td>110V-15 Amp 50% Duty Cycle</td>
<td>Extendible Pendant</td>
<td>Scaff Trac, Trestle Monorail, Fixed I-Beam, I-Beam Trolley</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

HOIST ACCESSORIES & MOUNTING OPTIONS

SCAFF TRAC
Our most popular mounting system attaches in minutes, with no tools, to existing scaffolding and is used with all Beta Max hoists.

Max. Load Lift*: 1200 lbs. when used with conventional scaffolding.
Outward Cantilever: 3.5 ft

MUD TUB
1/4 yard cap. - 42 x 27 x 18
1/3 yard cap. - 42 x 27 x 28

I-BEAM & I-BEAM TROLLEY
Our most flexible and versatile mounting system is used with all of our large capacity hoists.
The addition of a rolling I-Beam Trolley Top allows many Beta Max Hoists to adapt to existing I-Beams.
If the horizontal trolley is not necessary Beta Max offers a Fixed I-Beam Top which firmly holds the hoist stationary on the I-Beam.

Max. Load Lift: 2000 lbs.

BASKET
with spreader bar
400 lb. - 30 x 20 x 12
800 lb. cap. - 36 x 36 x 18

MAC TRAC
For use with the I-beam mount above.
Max. Load Lift: 1200 lbs.
SAFETY EQUIPMENT

ExoFIT™ HARNESS
- Back D-Ring
- Quick-Connect Buckles

HARNESS
- Back D-Ring
- Quick-Connect Buckles
- W/ 3' shock absorbing lanyard

POWER CLIMBER ROPE GRAB
- Hands-free operation on weighted vertical safety line
- Double lock closing mechanism
- Moves freely along 5/8" synthetic rope

GEMTOR ROPE GRAB
- Automatic Energy Absorbing
- 5/8" or 3/4" diameter synthetic line
- NYSA #9502

ENERGY ABSORBING LANYARD
- Soft pack energy absorber
- 1" wide polyester webbing
- Locking snap hooks

TWIN ENERGY ABSORBING LANYARD
- Soft pack energy absorber
- 1" wide polyester webbing
- 3 Locking snap hooks
- 100% tie-off

SELF RETRACTING LIFELINE
- Industry’s lightest and most compact 11’ SRL
- Unique super strength thin webbing for total security
- 2 year warranty, no recertification necessary

SLIDING BEAM ANCHOR
- Stainless steel & high-strength aluminum construction
- Mounts to top or bottom horizontal beam flange
- Follows a worker’s movement along an I-Beam

ANCHOR SLING
- 2 like-sized D-Rings
- Snap hook connects to both D-Rings

CHOKER STYLE ANCHOR SLING
- 1 standard D-Ring and 1 larger D-Ring
- Standard D-Ring passes through
- Snap hook connects to standard D-Ring

STEEL CARABINER WITH AUTOMATIC LOCK
- Overall length – 4 7/16"
- Gate opening – 1"
- Tensile strength 10,000 lbs

ALLOY STEEL CARABINER WITH AUTOMATIC LOCK
- Overall length – 9 3/8"
- Gate opening – 2"
- Tensile strength 5,000 lbs

All products in this catalog should be used in accordance with all Local, State, and Federal OSHA laws and codes. In compliance with USGDOC/OSHA requirements, all scaffolding should be erected by and under the supervision of “Competent Persons.”
COUNTERWEIGHT FORMULA

\[ W = \frac{(L \times a) \times 4}{b} \]

W = COUNTERWEIGHT
L = LOAD CAPACITY OF HOIST
a = ARM REACH
b = BACKSPIN DISTANCE
(Distance between the fulcrum point and the center of the counterweights)

NOTE: Counterweights must be a non-flowable material, and they must be attached to the outrigger beam

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