Three-Phase Boom Lifts
- Jib-mounted • Winch-driven • Constant-load monitor • 1,200-lb. rating*

Features & Applications
- Hot-line tool set enables a material-handler boom truck to lift single- or three-phase system conductors
- Operator remains in bucket, positioned to perform such routine jobs as replacing insulators, crossarms or poles
- Each complete unit includes:
  - 10' Vertical orange Epoxiglas® mast (4" x 4")
  - 10' Horizontal gray Epoxirod® support arm (2-1/2" dia.) with four Heavy-Duty Roller-type Wireholders for conventional crossarm construction
  - 6' Horizontal gray Epoxirod support arm (2-1/2" dia.) with one additional Wireholder for center mast for armless construction
- Storage bags for all components above
- Wireholders latch easily from bucket with hookstick
- 12" Epoxirod link insulates each latch-release lanyard

Wireholders latch easily from bucket with hookstick. 12" Epoxirod link insulates each latch-release lanyard.

- Winch line connects to mast base to raise conductors and provide working clearances for operator.
- Jib Sleeve, available separate and in custom sizes
- Center wireholder, used alone, permits single-phase lifts.
- Boom adapter can pin at various angles. Built-in scale continuously monitors load uplift. Nylon rollers ensure smooth mast travel.

Maximum Ratings, all units
- Vertical load per wireholder: 300 lb.
- *Balanced vertical load: 1,200 lb., includes tool itself

See the next page for Ordering Information.
Three-Phase Boom Lifts

Features & Applications
- Each complete unit includes a jib sleeve in size listed in addition to:
  - 10' Vertical orange Epoxiglas® mast (4" x 4")
  - 10' Horizontal gray Epoxirod® support arm (2-1/2" dia.) with four Heavy-Duty Roller-type Wireholders for conventional crossarm construction
  - 6' Horizontal gray Epoxirod support arm (2-1/2" dia.) with one additional Wireholder for center mast for armless construction
  - Storage bags for all components above

Jib Sleeves ONLY

Jib Adapters – Material Handlers

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Jib Application</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4001612</td>
<td>Asplundh: 3½&quot;-dia. jib</td>
<td>15 lb./6.75 kg.</td>
</tr>
<tr>
<td>C4001613</td>
<td>Telelect: 4½&quot;-dia. jib</td>
<td>15 lb./6.75 kg.</td>
</tr>
<tr>
<td>C4001664</td>
<td>ALTEC®: 4&quot;-dia. jib</td>
<td>20 lb./9.09 kg.</td>
</tr>
<tr>
<td>C4001677</td>
<td>Hi-Ranger model 5H*: 2½&quot;-dia. jib</td>
<td>20 lb./9.09 kg.</td>
</tr>
<tr>
<td>C4001709</td>
<td>Teco or Holan: 4&quot; x 4&quot;-sq. jib</td>
<td>20 lb./9.09 kg.</td>
</tr>
<tr>
<td>C4001710</td>
<td>Pitman: 4&quot; x 5&quot;-sq. jib</td>
<td>20 lb./9.09 kg.</td>
</tr>
<tr>
<td>C4001711</td>
<td>R.O. Products: 5½&quot;-dia. jib</td>
<td>20 lb./9.09 kg.</td>
</tr>
<tr>
<td>C4002719</td>
<td>No Jib Sleeves included. See below for correct size.</td>
<td></td>
</tr>
</tbody>
</table>

*For Hi-Ranger model 6H with top-mounted winch, order E4002215 Jib Sleeve, listed below.

Weight each: 225 lb. / 102 kg.

For Other Sizes, Consult Factory
- Slotted opening in longest two models at left accepts rope sheave for operation by winch mounted on top of boom tip
- Sleeve E4001678 works on ALTEC® rigs with winch mounted on top or bottom of boom tip
**Boom Mounted Auxiliary Arm**

**Square Mast**

**Features & Applications**

- 4" x 4" mast is fitted with a quick mounting assembly
- Assembly attaches to booms from 5-7/8" x 7-3/8" to 12" x 12", both square and rectangular
- Working end of mast will accept several accessories such as:
  - An Epoxiglas® Auxiliary Arm
  - Single lifting wire holder
  - Sheave for gin work
- Auxiliary Arm may be swiveled to and locked into any desired position
- Single lifting wire holder may also be swiveled to maintain conductor alignment
- Gin sheave will not swivel and is pinned stationary to keep the plane of the sheave in the vertical position at all times
- For use above 15kV, add M48057 insulator to each wireholder; see Page 4155

---

**For three phase applications.**

The auxiliary arm may be rotated to align the wire holders with the conductors, then locked in position.

**Easy mounting with our two intermeshing castings with single pivot stud.**

---

**C4000746 Sheave**

The sheave will take a 3/4-inch diameter rope. The maximum load for the gin is 800 lb.

---

**Catalog No.**

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4000744 Mast Assy., 10’ Arm &amp; Braces for Booms 5-7/8” x 7-3/8” to 12” x 12”</td>
<td>130 lb./58.5 kg.</td>
</tr>
<tr>
<td>C4000745 Mast Assembly without Arm</td>
<td>90 lb./41 kg.</td>
</tr>
<tr>
<td>C4000746 Rope Sheave Assembly</td>
<td>8 lb./3.6 kg.</td>
</tr>
<tr>
<td>C4000747 Single Wire Holder</td>
<td>13 lb./5.9 kg.</td>
</tr>
<tr>
<td>C4001469 9”-dia. Boom Adapter (Altec®)</td>
<td>40 lb./18 kg.</td>
</tr>
<tr>
<td>C4001877 8”-dia. Boom Adapter (Altec®)</td>
<td>40 lb./18 kg.</td>
</tr>
</tbody>
</table>
Boom Auxiliary Arm

Features & Applications
• Consists of a boom mast and arm of Epoxiglas® construction
• For mounting on insulated boom
• For use on light construction when handling multiple conductors
• Two-legged mast can be mounted on square or rectangular shaped booms designed to handle 2,000 lbs. or more

<table>
<thead>
<tr>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>10' Assembly with braces</td>
<td>120 lb/54.0 kg.</td>
</tr>
<tr>
<td>Bipod-Arm clamp only</td>
<td>12 1/2 lb./ 5.6 kg.</td>
</tr>
<tr>
<td>Arm Brace Assembly only</td>
<td>8 1/2 lb./ 3.9 kg.</td>
</tr>
<tr>
<td>4' Bipod Mast only</td>
<td>64 lb./28.8 kg.</td>
</tr>
<tr>
<td>2 1/2' x 10' Horizontal Arm</td>
<td>13 lb./10.35 kg.</td>
</tr>
</tbody>
</table>

Optional Adapters for Round Booms (as on Altec® trucks), see Catalog Page 4160

Auxiliary Arm Attachments
• Fork type wireholders — With 1" or 1-1/2" opening, counter balanced latch, which closes automatically behind the conductor to hold it in the wireholder. Complete with 2-1/2" pole clamp
• C-Type Wireholder — For rubber glove work, the Chance “C”-type Wireholder is suspended for a 2-1/2" dia. temporary crossarm above the conductor as a hook to receive the conductor after it is untied
• Roller Wireholder — Seven Delrin plastic rollers offer protection to conductors while raising the conductor above the work area. Accommodates conductors up to and including 1-1/2 inches in dia. The gate is held closed by a spring-loaded latch which must be manually opened
• Insulators — Epoxy based, available as separate items or can be added to existing auxiliary arm wireholders to upgrade for 34.5 kV use

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>E4000008P</td>
<td>1 1/2&quot; Fork Wireholder, no Insulator</td>
<td>2 1/2 lb./1.1 kg.</td>
</tr>
<tr>
<td>M480515</td>
<td>1&quot; Fork Wireholder, with Insulator</td>
<td>5 1/2 lb./2.5 kg.</td>
</tr>
<tr>
<td>M480517</td>
<td>1&quot; Fork Wireholder, no Insulator</td>
<td>2 lb./ .9 kg.</td>
</tr>
<tr>
<td>M480516</td>
<td>C-Type Wireholder, no Insulator</td>
<td>2 1/2 lb./1.1 kg.</td>
</tr>
<tr>
<td>C4000690</td>
<td>Roller Wireholder, no Insulator</td>
<td>4 1/2 lb./2.0 kg.</td>
</tr>
<tr>
<td>C4000268</td>
<td>Roller Wireholder, no Insulator</td>
<td>4 1/2 lb/2.0 kg.</td>
</tr>
<tr>
<td>M48057</td>
<td>Epoxy Insulator, /16&quot; threads</td>
<td>1/4 lb./0.55 kg.</td>
</tr>
</tbody>
</table>
Swivel-Base Truck Mount
for 12V, 115V, 230V & Hydraulic 1,000-lb. Series 90 Capstan Hoists

NOTE: For Hitch-Receiver Mount, see Catalog Section 1150

Sets At Angles Needed For A Variety Of Jobs
• Turntable design permits proper alignment without repositioning service vehicle
• Heavy-gauge steel base bolts direct to truck body
• Bracket can be pinned at every 15° interval around circular base for:
  o Stringing
  o Tensioning
  o Sagging conductors
  o Pulling in cable
  o Hoisting equipment
  o Setting poles
  o Pulling vehicles
• To remove hoist and bracket from swivel base, simply remove four bolts
• C-bracket also can be bolted down for fixed-angle

⚠️ WARNING
This is not a personnel lifting device. A label on the unit warns against lifting people or loads directly above people.

Utilize truck as portable power source
• Only 12V, 115V, 230V and Hydraulic 1,000-lb.-rated hoists are recommended for truck mounting
• See page 1153 to order

Swivel Bracket C3080903
Swivel Bracket only

C-Bracket C3080909

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Weight, each</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3080903</td>
<td>18 lb. (8.1 kg.)</td>
</tr>
</tbody>
</table>

C-Bracket only — complete with mounting bolts

C3080890 5 lb. (2.25 kg.)

Weather Shield for 12-Volt DC hoist only
— complete with band clamp

C3080909 1 lb. (0.45 kg.)

Truck Visual Barrier

Features & Applications
• Alerts workers and onlookers to stay away from truck when it is being used in proximity to energized conductors
• Six rods, made of bright-orange Epoxirod®, provide a 6’ air space around the entire perimeter of truck
• Kit also includes:
  o Six pieces of 3” long steel tubing (to be welded to truck by the customer) to hold the barricade rods
  o 150 feet of yellow rope
  o A canvas storage bag
• Entire kit requires less storage than traffic cones
• Can be quickly installed and removed at each job site

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>T3060006</td>
<td>Truck Visual Barrier</td>
<td>21 lb./9.5 kg.</td>
</tr>
</tbody>
</table>
Truck Grounding Set

Features & Applications
- Drains off capacitance or static charges from winch trucks and aerial devices
- This grounding method should not be considered adequate protection for personnel against conductor contact

Screw Ground Rod
(Catalog No. G3370)
When installed, 6’ copper-clad rod develops less resistance than straight ground rods. Helix (spiral section), T-handle and wingnut are bronze for high conductivity

Flat Face Ground Clamp
(Catalog No. T6001798)
For secure attachment to the truck bed at an area cleaned for electrical contact, clamp features bronze T-handle, aluminum body and serrated jaws with range for 1/8” to 1-1/2” angles or flats. Ratings: 400 amps continuous current; 25,000 amps fault current for 15 cycles and 30 cycles

C-Type Ground Clamp
(Catalog No. C6001754)
For connection to vertical shaft of ground rod, clamp features smooth jaws and bronze eyescREW. Ratings: 350 amps continuous current; 28,000 amps fault current for 15 cycles and 20,000 amps fault current for 30 cycles

Grounding Cable and Ferrules
(Catalog No. S6116 & C6002618)
For easy handling, extra-flexible #2 copper cable features fine stranding and tough yellow T-prene rubber compound jacket for all-temperature uses down to -20°F. Cable length is 50 feet. Two shrouded aluminum ferrules come factory-installed on the cable to secure the threaded studs in the clamp terminals

Swivel Wireholder Jib Extensions for Telelect trucks*

Features & Applications
- Feature a Large Swivel-Type Roller Wireholder with 2-1/2” x 3-3/8” opening mounted on 3” dia. orange Epoxiglas® jib extension
- Tested per ASTM F711 and OSHA

3” Heavy Wall Epoxiglas® Pole with 31” of clear glass (minimum).
Jib Extension Rated Working Load: 300 lb.

Storage Reel
(Catalog No. C4176086)
To help keep ground set clean and ready for use, reel features tubular-steel frame which can be bolted to deck. Reel is for storage only. Cable and clamps must be removed completely from reel before use. Failure to do so could result in a dangerous voltage drop and violent mechanical reactions. A label on the unit gives this warning.

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>T6001971</td>
<td>Truck Grounding Set</td>
<td>35 lb/15.75 kg</td>
</tr>
</tbody>
</table>

ORDERING INFORMATION

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Fits Jib Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PST4002818</td>
<td>4” x 4”</td>
<td>28 lb / 12.72 kg</td>
</tr>
<tr>
<td>PST4002819</td>
<td>3-1/4” x 5”</td>
<td>29 lb / 13.2 kg</td>
</tr>
<tr>
<td>PST4002820</td>
<td>3” Round</td>
<td>27 lb / 12.3 kg</td>
</tr>
<tr>
<td>PST4002821</td>
<td>4-1/2” Round</td>
<td>28 lb / 12.72 kg</td>
</tr>
</tbody>
</table>

*To fit other brands of trucks, contact Hubbell Power Systems with detailed specifications.
Bi-Pod Three-Phase Arm
H486310

for Square Booms 5" x 7" to 10" x 10"

Combination Swivel Wireholder/Sheave
for ALTEC® trucks*

Features & Applications
• Eliminates changeovers from Wireholder (for picking up a phase conductor) to Rope Sheave (for lifting items)
• Each combination unit attaches directly to jib
• Rated Working Load: 800 lbs.
• Both units feature a Large Swivel-Type Roller Wireholder with 2-1/2" x 3-3/8" opening and a 7"-dia. Sheave to accept up to 3/4"-dia. rope

WARNING: ELECTRIC SHOCK HAZARD. Winch rope can conduct electricity from this device to metal parts on the bucket support. Can cause electrocution death or severe injury. Always remove winch rope from this device when the wireholder is used to support an energized conductor.

*To fit other brands of trucks, contact Hubbell Power Systems with detailed specifications.

Phone: 573-682-5521 Email: hpsliterature@hubbell.com Web: hubbellpowersystems.com

November 2013
Boom Adapters for ALTEC® trucks
C4001467 for 9"-diameter booms
C4001878 for 8"-diameter booms
(for use with Bi-Pod assembly in H486310 Three-Phase Arm)
Boom Adapters for ALTEC® trucks

with 8" slide pad on reinforcement collar

T4002486BI for 10"-diameter booms
C4002393 for 9"-diameter booms
C4002392 for 8"-diameter booms

(for use with Bi-Pod assembly in H486310 Three-Phase Arm)
Three-Phase Boom Assembly
C4000744
(for Square Booms 5" x 7" to 10" x 10")
Three-Phase Boom Assemblies for ALTEC® trucks
T4001753 w/o Boom Adapter
Boom Adapters for ALTEC® trucks
with 8" slide pad on reinforcement collar
T4002486 for 10"-diameter booms
C4002377 for 9"-diameter booms
C4002376 for 8"-diameter booms
(for 4" x 4" mast in T4001753 Three-Phase Boom Assembly)
Boom Adapters for ALTEC® trucks
C4001469 for 9"-diameter booms
C4001877 for 8"-diameter booms
(for 4" x 4" mast in T4001753 Three-Phase Boom Assembly)
Auxiliary Arm
T4001824
with 3"-diameter mast
for ALTEC® trucks
Auxiliary Arm
T4001854
with 3"-diameter mast & Epoxiglas® pole for ALTEC® trucks

ROLLE WIREHOLDER
C4000690

POLE CLAMP
E4000752

ARM CLAMP ASSEMBLY
E4001568

ADAPTER
P4001594

2-1/2" X 10' EPOXIGLAS POLE
H486210A

EXTENSION LINK
E4010380

3 HOLES
0.781" DIA.

3" HEAVY WALL MAST
E4001827

WIRE TONG POLE CLEVIS
C4000345

12"

12"

2.5"
Auxiliary Arm
T4001855
with 3"-diameter mast & solid Epoxirod® pole
for ALTEC® trucks

Auxiliary Arm
T4001855
with 3"-diameter mast & solid Epoxirod® pole
for ALTEC® trucks
Support Arms
with fitting for 3"-diameter mast
No Braces Required

**T4001856**
with Epoxiglas® pole as in T4001854 Auxiliary Arm for ALTEC® trucks

**T4001857**
with solid Epoxirod® pole as in T4001855 Auxiliary Arm for ALTEC® trucks
Small Roller Wireholder
2" opening

Wireholder only
C4000270

with clamp for 21/2" arm
C4000268

Epoxy insulator
M48057

with clamp & insulator
C4000269

0.60"-long stud
7/16-14 UNC-2A threads

3.75

2.28

7/16-14 UNC-2B thread depth

.87 thread depth
Large Roller Wireholder
2½" opening

- with clamp for 2½" arm
  C4000690

- with clamp for 3" arm
  PSC4002937

for
3"-dia. Jib
C4001669

Wireholder only
C4000691

with Swivel Ferrule
C4000747

PSC4000690002
Clamp Assembly only

P4000688P
Roller
P4000685P
Roller Axle
P4000686P
Roller
P4000689P
Bushing

P4000256P
Keepers

P4000266P
Gate Spring

P4000682P
Gate

P4001593P
Latch Spring

P4001592P
Latch
P0010287P
Roll Pin

P4000684P
Roller Axle
P4000687P
Roller Axle

P0010287P
Roll Pin

067137P
Pin 3/16" x 3"

P4000255P
Roller
P4000688P
Roller
P4000689P
Roller

P4000256P
Keepers

0.781" dia.
Heavy-Duty Roller Wireholder

M48061
ALTEC® Jib Adapter: 3" Round — P4001594P

ALTEC® Jib Adapter: 4" x 4" Square — P4002536P
Hi-Ranger Jib Adapter
Cat. No. T4001932

FOR USE WITH CHANCE

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>T4001856</td>
<td>Support Arm</td>
</tr>
<tr>
<td>T4001857</td>
<td>Support Arm</td>
</tr>
<tr>
<td>C4000746</td>
<td>Rope Sheave Assembly</td>
</tr>
<tr>
<td>C4000747</td>
<td>Large Roller Wireholder</td>
</tr>
</tbody>
</table>
Small Roller Wireholder with Hi-Ranger Adapter
Cat. No. T4001931
Large Roller Wireholder with Hi-Ranger Adapter
Cat. No. T4001929

LARGE ROLLER WIREHOLDER
CAT. NO. E4002228P

7"
4"
2.5"
3.38"
4-5/8"
1.031 DIA
4-1/8"

Phone: 573-682-5521 Email: hpsliterature@hubbell.com Web: hubbellpowersystems.com
November 2013
Page 4175
Wireholder Assembly
Cat. No. PST4002856
Heavy-Duty Roller Wireholder with Hi-Ranger Adapter
Cat. No. T4001930
# Holan Jib Adapter

**Cat. No. T4001927**

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![Diagram of Holan Jib Adapter]

**FOR USE WITH CHANCE**

<table>
<thead>
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<td>C4000746</td>
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<td>C4000747</td>
<td>Large Roller Wireholder</td>
</tr>
</tbody>
</table>

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November 2013
Small Roller Wireholder
with Holan Adapter
Cat. No. PST4001945

SMALL ROLLER WIREHOLDER
CAT. NO. C4000270

MACH. BOLT
1/2-13 X 4-1/2"

LOCK NUT

1.75

3-1/8"

1-3/4"

1-1/4"

3-5/8"
Large Roller Wireholder with Holan Adapter
Cat. No. PST4001926

LARGE ROLLER WIREHOLDER
CAT. NO. C4000691

MACH. BOLT
1/2-13 X 4-1/2"

LOCK NUT

8-1/8"

3-1/8"

3-5/8"

1-3/4"

1-1/4"
Heavy-Duty Wireholder
with Holan Adapter
Cat. No. T4001912

HEAVY DUTY WIREHOLDER
CAT. NO. M48061

MACH. BOLT
1/2-13 X 4-1/2"

LOCK NUT

1-3/4"
1-1/4"
3-5/8"
Telelect Jib Adapter  
Cat. No. T4001946

<table>
<thead>
<tr>
<th>Part No.</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>T4001856</td>
<td>Support Arm</td>
</tr>
<tr>
<td>T4001857</td>
<td>Support Arm</td>
</tr>
<tr>
<td>C4000746</td>
<td>Rope Sheave Assembly</td>
</tr>
<tr>
<td>C4000747</td>
<td>Large Roller Wireholder</td>
</tr>
</tbody>
</table>

FOR USE WITH CHANCE
Small Roller Wireholder
for Telelect Jib
Cat. No. T4001941
Large Roller Wireholder for Telelect Jib
Cat. No. T4001942
Heavy-Duty Wireholder for Telelect Jib
Cat. No. T4001943
3"-diameter Jib
T4001525
for ALTEC® trucks
Rated Working Load
1,000#
4" x 4" Jib
T4001764
for HOLAN trucks
Rated Working Load
1,200#
4" x 4" Jib
T4001933
for Reach-All trucks