Mechanical Hoists

Warranty - Material
Hubbell Power Systems, Inc. warrants all products sold by it to be merchantable (as such term is defined in the Uniform Commercial Code) and to be free from defects in material and workmanship. Buyer must notify the Company promptly of any claim under this warranty. The Buyer’s exclusive remedy for breach of this warranty shall be the repair or replacement, F.O.B. factory, at the Company’s option, of any product defective under the warranty which is returned to the Company within one year from the date of shipment. NO OTHER WARRANTY, WHETHER EXPRESS OR ARISING BY OPERATION OF LAW, COURSE OF DEALING, USAGE OF TRADE OR OTHERWISE IMPLIED, SHALL EXIST IN CONNECTION WITH THE COMPANY’S PRODUCTS OR ANY SALE OR USE THEREOF. The Company shall in no event be liable for any loss of profits or any consequential or special damages incurred by Buyer. The Company’s warranty shall run only to the first Buyer of a product from the Company, from the Company’s distributor, or from an original equipment manufacturer reselling the Company’s product, and is non-assignable and non-transferable and shall be of no force and effect if asserted by any person other than such first Buyer. This warranty applies only to the use of the product as intended by Seller and does not cover any misapplication or misuse of said product.

Warranty - Application
Hubbell Power Systems, Inc. does not warrant the accuracy of and results from product or system performance recommendations resulting from any engineering analysis or study. This applies regardless of whether a charge is made for the recommendation, or if it is provided free of charge.

Responsibility for selection of the proper product or application rests solely with the purchaser. In the event of errors or inaccuracies determined to be caused by Hubbell Power Systems, Inc., its liability will be limited to the re-performance of any such analysis or study.
‘User Friendly’
Operation and Construction

Experienced users prefer Chance lever hoists for long-term dependable performance. Easy and fast to operate, lightweight for simple handling but rugged for reliable duty, Chance hoists deliver features with added value for operator productivity.

• Quick take-up speed . . . or slower rate . . . to serve the job at hand. Adjust simply as a function of the operator’s stroke on the handle. Using full travel of the handle rapidly shortens long-reach lifting and lowering operations . . . or, for more close-tolerance situations, extra accuracy can be maintained using partial strokes on the handle.

• Controls work simply, even without removing gloves. Readily accessible on all models are two simple levers: Shift Key for Up or Down direction changes and Release Key for activating the ratchet handle.

• Basically maintenance-free, each Chance hoist comes with an illustrated Operating Manual, including a complete parts list. Normal maintenance calls for only routine inspection. Common pliers and a screwdriver are the only tools needed to service Chance hoists and a single spare parts kit contains minor replacement items common to all types and ratings.

• Proof-tested and factory-operated at 150% of capacity rating, every Chance hoist employs a high-strength mechanism. The simple yet extremely sturdy engineered design ensures dependable service proved by 40 years of field experience and laboratory tests.

• Forged-steel load hooks at both ends swivel 360° for easy attachment and to help maintain axial alignment in use. For easy hook-up, chain or strap releases to freewheel only under no-load conditions. Under load, the hoist controls automatically lock. All hooks are fitted with spring-loaded gate latches.

• High grade materials include extensive use of heat-treated aluminum in housing/handle parts for low weight, high-strength polished alloy-steel link chain and lifetime oil-impregnated bronze sleeve bearings.

The short and long of it:
Compact and portable, Chance hoists fit into and operate easily even in close-clearance work spaces. They quickly and easily perform repeated heavy lifts and pulls. Light in weight but extremely durable, Chance hoists are built to endure the rigors of construction and industrial settings.

For the long haul, look to the full line of Chance hoists. It offers a broad selection of ratings and types designed with special features in mind for a growing number of satisfied users.

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RATCHET HOISTS

• 3⁄4-Ton • 1-Ton • 11⁄2-Ton • 2-Ton Ratings

Link-Chain Style

Construction

Every Chance Hoist is proof-tested and factory-operated at 150% of capacity rating. Lightweight high-strength handle and sheave housings are heat-treated aluminum. All working parts are fully enclosed in the housing unit to protect the hoist mechanism and to cover the gearing for worker safety.

Chain is high-strength alloy steel, polished for smooth action and low wear. Load hooks are forged steel with spring-loaded latches. Both top and bottom hooks swivel 360° to allow for unwinding action of rope or stranded cable under tension.

Operation

For easy hook-up, chain release to freewheel but only under no-load conditions. Controls automatically lock when hoist is pulling a load. Two simple levers . . . Shift Key for up and down, on top housing, and Release Key in handle recess . . . are easy to switch, even wearing gloves.

Simply by ratcheting one or two clicks per stroke in up or down mode, operator can choose quick speed of a full link or half-link rate for extra accuracy. For cramped-quarters work, ratchet handle swings to either side. This provides option of push or pull stroke to best suit conditions and preferences.

Each unit comes with an illustrated Operating Manual, includes complete parts list. Lifetime oil-impregnated bronze-sleeve bearings require no additional lubrication. Normal low maintenance calls for only routine inspection. Pliers and screwdriver are the only tools needed. For infrequent repairs, kit C3090349 contains minor service parts common to all ratings.

Each unit bears a safety-instruction label in accordance with ANSI specifications, below.

DO NOT:
1. LIFT MORE THAN RATED LOAD.
2. OPERATE WITH TWISTED OR DAMAGED CHAIN.
3. USE IF DAMAGED OR MALFUNCTIONING.
4. LIFT PEOPLE OR LOADS OVER PEOPLE.
5. USE A HANDLE EXTENDER (CHEATER BAR).
6. OBSCURE THIS LABEL.

DO: SEE OPERATING INSTRUCTIONS.
OPERATE AND MAINTAIN PER ANSI B30.21 HUBBELL POWER SYSTEMS, INC. • CENTRALIA, MO 65240

Specifications

For all units listed:
• 51⁄2-ft. standard lift distance
• 20-in. handle/aluminum housing

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Rating</th>
<th>Handle Pull at Rating</th>
<th>Hook-to-Hook Minimum</th>
<th>Weight lb.</th>
<th>Weight kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3090438</td>
<td>3⁄4-Ton</td>
<td>65 lb.</td>
<td>11 in.</td>
<td>14</td>
<td>6.3</td>
</tr>
<tr>
<td>3011S</td>
<td>1-Ton</td>
<td>90 lb.</td>
<td>11 in.</td>
<td>14</td>
<td>6.3</td>
</tr>
<tr>
<td>C3090439</td>
<td>11⁄2-Ton</td>
<td>60 lb.</td>
<td>16 in.</td>
<td>22</td>
<td>10</td>
</tr>
<tr>
<td>4012</td>
<td>2-Ton</td>
<td>90 lb.</td>
<td>11 in.</td>
<td>281⁄2</td>
<td>12.7</td>
</tr>
</tbody>
</table>
RATCHET CHAIN HOISTS

• 3-Ton • 4½-Ton • 6-Ton Ratings

Link-Chain Style

Construction

Every Chance Hoist is proof-tested and factory-operated at 150% of capacity rating. Lightweight high-strength handle and sheave housings are heat-treated aluminum. All working parts are fully enclosed in the housing unit to protect the hoist mechanism and to cover the gearing for worker safety.

Chain is high-strength alloy steel, polished for smooth action and low wear. Load hooks are forged steel with automatic spring-loaded latches. Both top and bottom hooks swivel 360° to allow for unwinding action of rope or stranded cable under tension.

Both top and bottom hooks swivel 360° to allow for unwinding action of rope or stranded cable under tension.

Specifications

For all units listed:

• 5½-ft. standard lift distance
• 20-in. handle/aluminum housing

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Rating</th>
<th>Handle Pull at Rating</th>
<th>Hook-to-Hook Minimum</th>
<th>Weight lb.</th>
<th>Weight Kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3090440</td>
<td>3-Ton</td>
<td>60 lb.</td>
<td>19¾ in.</td>
<td>30½</td>
<td>13.8</td>
</tr>
<tr>
<td>C3090441</td>
<td>4½-Ton</td>
<td>70 lb.</td>
<td>24½ in.</td>
<td>47</td>
<td>21.2</td>
</tr>
<tr>
<td>C3090442</td>
<td>6-Ton</td>
<td>70 lb.</td>
<td>24½ in.</td>
<td>50</td>
<td>22.5</td>
</tr>
</tbody>
</table>

Each unit comes with an illustrated Operating Manual, includes complete parts list. Lifetime oil-impregnated bronze-sleeve bearings require no additional lubrication. Normal low maintenance calls for only routine inspection. Pliers and screwdriver are the only tools needed. For infrequent repairs, kit C3090349 contains minor service parts common to all ratings.

Each unit bears a safety-instruction label in accordance with ANSI specifications, below.

DO NOT:
1. LIFT MORE THAN RATED LOAD.
2. OPERATE WITH TWISTED OR DAMAGED CHAIN.
3. USE IF DAMAGED OR MALFUNCTIONING.
4. LIFT PEOPLE OR LOADS OVER PEOPLE.
5. USE A HANDLE EXTENDER (CHEATER BAR).
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DO: SEE OPERATING INSTRUCTIONS.
OPERATE AND MAINTAIN PER ANSI B30.21 HUBBELL POWER SYSTEMS, INC. • CENTRALIA, MO 65240

For easy hook-up, chain release to freewheel but only under no-load conditions. Controls automatically lock when hoist is pulling a load. Two simple levers . . . Shift Key for up and down, on top housing, and Release Key in handle recess . . . are easy to switch, even wearing gloves.

Simply by ratcheting one or two clicks per stroke in up or down mode, operator can choose quick speed of a full link or half-link rate for extra accuracy. For cramped-quarters work, ratchet handle swings to either side. This provides option of push or pull stroke to best suit conditions and preferences.

Two-way handle swings to either side (helpful when reaching overhead or below chest level to operate hoist). Rounded stop at end helps keep hand on handle.
RATCHET CHAIN HOISTS

• ¾-Ton • 1 ½-Ton Ratings

Roller-Chain Style

Construction
Roller-style (bicycle) chain offers an alternative in two of
the same load ratings from the Chance link-style chain
hoist line.

Every Chance Hoist is proof-tested and factory-operated at
150% of capacity rating. Lightweight high-strength handle
and sheave housings are heat-treated aluminum. All working
parts are fully enclosed in the housing unit to protect the hoist
mechanism and to cover the gearing for worker safety.

Two-way handle swings to
either side (helpful when
reaching overhead or below
chest level to operate hoist).
Rounded stop at end helps
keep hand on handle.

Operation
For easy hook-up, chain release to freewheel but only under
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is pulling a load. Two simple levers... Shift Key for up and
down, on top housing, and Release Key in handle recess... are
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down mode, operator can choose quick speed of a full link or
half-link rate for extra accuracy. For cramped-quarters work,
ratchet handle swings to either side. This provides option of
push or pull stroke to best suit conditions and preferences.

Both top and bottom hooks swivel 360° to allow for unwinding
action of rope or stranded cable under tension.

Each unit comes with an illustrated Operating Manual,
includes complete parts list. Lifetime oil-impregnated bronze-
sleeve bearings require no additional lubrication. Normal
low maintenance calls for only routine inspection. Pliers
and screwdriver are the only tools needed. For infrequent
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to all ratings.

Each unit bears a safety-instruction label in accordance with
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| DO NOT: |
| 1. LIFT MORE THAN RATED LOAD. |
| 2. OPERATE WITH TWISTED OR DAMAGED CHAIN. |
| 3. USE IF DAMAGED OR MALFUNCTIONING. |
| 4. LIFT PEOPLE OR LOADS OVER PEOPLE. |
| 5. USE A HANDLE EXTENDER (CHEATER BAR). |
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| DO: SEE OPERATING INSTRUCTIONS. |

OPERATE AND MAINTAIN PER ANSI B30.21 HUBBELL POWER SYSTEMS, INC. • CENTRALIA, MO 65240

Specifications
For all units listed:
• 5'/ft. standard lift distance
• 20-in. handle/aluminum housing

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Rating</th>
<th>Handle Pull at Rating</th>
<th>Hook-to-Hook Minimum</th>
<th>Weight</th>
<th>lb.</th>
<th>kg.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3090457</td>
<td>¾-Ton</td>
<td>65 lb.</td>
<td>13 in.</td>
<td>12½</td>
<td>5.6</td>
<td></td>
</tr>
<tr>
<td>C3090458</td>
<td>1 ½-Ton</td>
<td>60 lb.</td>
<td>26 in.</td>
<td>22</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>
Convertible Strap Hoists

- One model: \( \frac{3}{4} \) - \( 1\frac{1}{2} \) Ton ratings
- Two styles for rubber-glove work and hotstick work

### Construction and operation

Designed with special features, two hoist options offer a choice for maintenance and construction. Select regular style for standard duty or electric-utility rubber-glove procedures. For hotstick operations, select hoist with handling ring on the handle.

Lightweight for easy handling, both styles are rugged to serve many heavy-duty uses.

### Convertible ratings feature

Either style can adapt immediately to varying field needs. When rigged at the lower rating, either size hoist adds 3 feet of lift-distance capability, as listed in the Specifications below.

To rig either style hoist for its higher rating, keep the load-hook sheave mounted midway on the strap when it is becketed (i.e., doubled, with the end of the strap secured to the hoist frame). To convert to the lower rating, simply secure the load hook sheave through the loop in the strap free end.

### Specifications

| Single nylon-web strap rating | 4,500 lb. |
| Rigged for higher rating: | Rigged for lower rating: |

#### Hook-to-Hook Distance:

- Minimum: 21\( \frac{1}{2} \) in.
- Maximum: 6 ft. 7 in.

#### Standard Lift Distance:

- 3 ft. to 6 ft.

### Ordering Information

- **3/4 – 1\( \frac{1}{2} \) Ton Nylon-Strap Hoists**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Hoist Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC3090451</td>
<td>Regular Style</td>
<td>12( \frac{1}{2} ) lb./5.4 kg.</td>
</tr>
<tr>
<td>PSC3090452</td>
<td>Hotstick Style</td>
<td>13( \frac{1}{2} ) lb./6 kg.</td>
</tr>
</tbody>
</table>

*These hoists are not insulated live-line tools. If working on energized electrical lines, these hoists must be used with appropriate length insulating link sticks (see page 1107).

### Accessories

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3060000</td>
<td>Storage bag for strap hoist</td>
<td>( \frac{1}{2} ) lb./0.05 kg.</td>
</tr>
</tbody>
</table>
Nylon-Strap Ratchet Hoists

• 1-Ton & 2-Ton Ratings
Designed with special features, both 1-Ton and 2-Ton hoists offer a choice of two handle options for utility maintenance and construction. For rubber-glove work, select hoist with plastisol cap on handle end. For operation by hot-line tools, specify hoist with swivel-eye on handle end. All models have hot-stick rings on hooks and latches.

Single strap of 1-Ton units reaches and lifts farther. 2-Ton units employ a sheave-mounted hook in a double-strap becket.

Specifications

<table>
<thead>
<tr>
<th>Hoist Type</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Ton Hoist</td>
<td>Hoist with Regular Handle</td>
<td>12¼ lb./5.7 kg.</td>
</tr>
<tr>
<td>1-Ton Hoist</td>
<td>Hoist with Hot-Stick Handle</td>
<td>13¾ lb./6.2 kg.</td>
</tr>
<tr>
<td>2-Ton Hoist</td>
<td>Hoist with Regular Handle</td>
<td>14½ lb./6.5 kg.</td>
</tr>
<tr>
<td>2-Ton Hoist</td>
<td>Hoist with Hot-Stick Handle</td>
<td>15½ lb./7 kg.</td>
</tr>
</tbody>
</table>

*1-Ton Nylon-Strap Hoists and Accessories

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC3090323</td>
<td>Hoist with Regular Handle</td>
<td>12¼ lb./5.7 kg.</td>
</tr>
<tr>
<td>PSC3090467</td>
<td>Hoist with Hot-Stick Handle</td>
<td>13¾ lb./6.2 kg.</td>
</tr>
<tr>
<td>C3060000</td>
<td>Storage Bag for either 1-Ton</td>
<td>½ lb./0.05 kg.</td>
</tr>
</tbody>
</table>

*2-Ton Nylon-Strap Hoists and Accessories

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>PSC3120000</td>
<td>Hoist with Regular Handle</td>
<td>14½ lb./6.5 kg.</td>
</tr>
<tr>
<td>PSC3090468</td>
<td>Hoist with Hot-Stick Handle</td>
<td>15½ lb./7 kg.</td>
</tr>
</tbody>
</table>

* These hoists are not insulated live-line tools. If working on energized electrical lines, these hoists must be used with appropriate-length insulating link sticks (See ordering information above and below).

Epoxiglas® Hoist Link Sticks

To permit hot-line work with a nylon-strap ratchet hoist, a properly applied link stick insulates the hoist from an energized conductor. The hoist link stick is a 1¼”-diameter Epoxiglas pole with a steel hook on one end and a butt swivel on the other.

To apply the link stick, attach the hook of the stick to a wire grip using the hotstick eye to operate the hook. Complete the application by connecting the nylon-strap hoist to the link stick butt swivel and to a pole or crossarm.

Rated working load: 4,000 lb.

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Length between end fittings</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>C4001175</td>
<td>15” Epoxiglas</td>
<td>4 lb./1.8 kg.</td>
</tr>
<tr>
<td>C4002399</td>
<td>18” Epoxiglas</td>
<td>5 lb./2.25 kg.</td>
</tr>
<tr>
<td>C4002400</td>
<td>24” Epoxiglas</td>
<td>6 lb./2.7 kg.</td>
</tr>
</tbody>
</table>