

Mechanical Hoists

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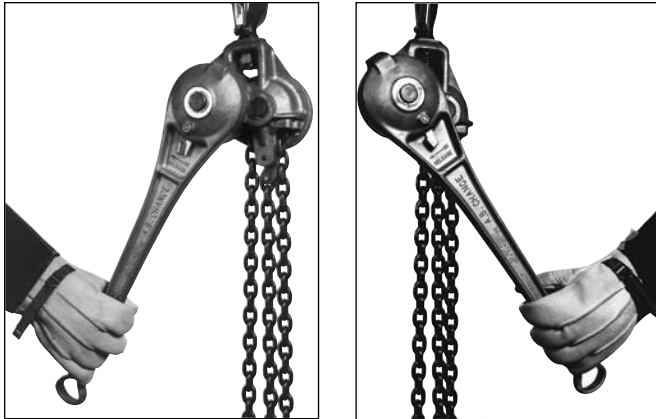
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RATCHET HOISTS

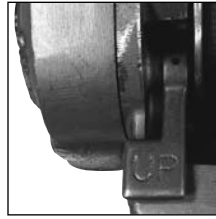
'User Friendly' Operation and Construction

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.



- Convenient for even cramped-quarters work, the ratchet handle operates from either side of the hoist. This permits the option of either a push or pull stroke to best suit worksite conditions and user preferences.



- 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 free-wheel 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.

Rated-Load Capacities, Tons

Hoist Selector Chart	¾	¾-1½	1	1½	2	3	4½	6
Link-Chain Hoists 7 models	Page 1103		Page 1103	Page 1103	Page 1103	Page 1104	Page 1104	Page 1104
Roller-Chain Hoists 2 models	Page 1105			Page 1105				
Nylon-Strap Hoists 6 models		Page 1106	Page 1107		Page 1107			

Accessories

- Insulated Link Sticks Page 1107
- Hot Line Wire Grips Section 1250
- Wire Puller Hook Section 1250

"The Full Line" of 12 Models

By design, the seven capacity ratings of Chance Ratchet Hoists serve a wide range of industries' requirements for load-handling equipment.

Chain hoists offer either link-style or roller-style chain in seven popular ratings to fulfill individual preferences.

Nylon-strap models, developed principally for the utility industry, also present a selection of load ratings appropriate for other specialized applications.

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.

RATCHET HOISTS

• 3/4-Ton • 1-Ton • 1½-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:

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

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum	Weight	
				lb.	kg.
C3090438	¾-Ton	65 lb.	11 in.	14	6.3
3011S	1-Ton	90 lb.	11 in.	14	6.3
C3090439	1½-Ton	60 lb.	16 in.	22	10
4012	2-Ton	90 lb.	11 in.	28½	12.7



▲
3/4-Ton



On all models on this page, the gate-type latch pushes inward and turns to open the hooks.



▲
1-Ton



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.



▲
1½-Ton

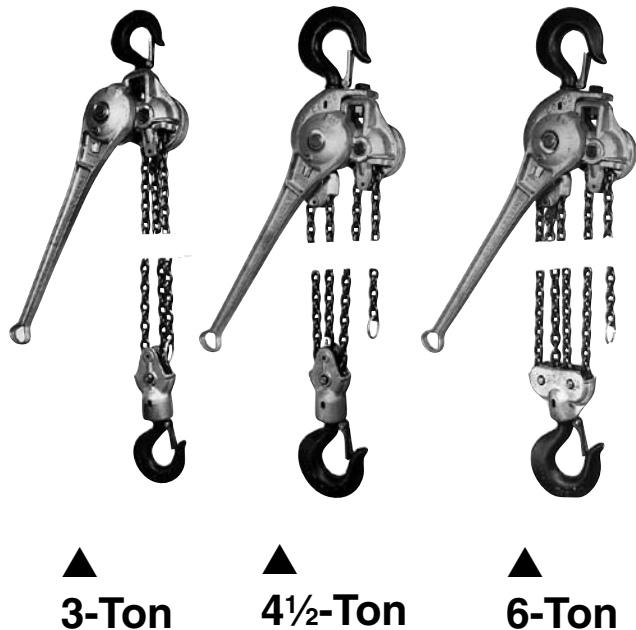


▲
2-Ton

RATCHET CHAIN HOISTS

• 3-Ton • 4½-Ton • 6-Ton Ratings

Link-Chain Style



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

Specifications

For all units listed:

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

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum	Weight	
				lb.	kg.
C3090440	3-Ton	60 lb.	19¾ in.	30½	13.8
C3090441	4½-Ton	70 lb.	24½ in.	47	21.2
C3090442	6-Ton	70 lb.	24½ in.	50	22.5

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.



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 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.

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**

RATCHET CHAIN HOISTS

• 3/4-Ton • 1 1/2-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 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.



3/4-Ton

1 1/2-Ton



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 repairs, kit C3090349 contains minor service parts common to all ratings.

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

<p>DO NOT:</p> <ol style="list-style-type: none"> 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. <p>DO: SEE OPERATING INSTRUCTIONS. OPERATE AND MAINTAIN PER ANSI B30.21 HUBBELL POWER SYSTEMS, INC. • CENTRALIA, MO 65240</p>
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Specifications

For all units listed:

- 5 1/2-ft. standard lift distance
- 20-in. handle/aluminum housing

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum	Weight	
				lb.	kg.
C3090457	3/4-Ton	65 lb.	13 in.	12 ¹ / ₂	5.6
C3090458	1 1/2-Ton	60 lb.	26 in.	22	10

Convertible Strap Hoists

- **One model: 3/4 - 1 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 1/2 in.	21 1/2 in.
Maximum	6 ft. 7 in.	9 ft.

Standard Lift
Distance 3 ft. 6 ft.

Ordering Information

* 3/4 – 1 1/2 Ton Nylon-Strap Hoists

Catalog No.	Hoist Description	Weight
PSC3090451	Regular Style	12 1/2 lb./5.4 kg.
PSC3090452	Hotstick Style	13 1/2 lb./6 kg.

*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).



**Rigged for higher rating (above):
Rubber Glove style
with operating rings on hook latches and handle.**

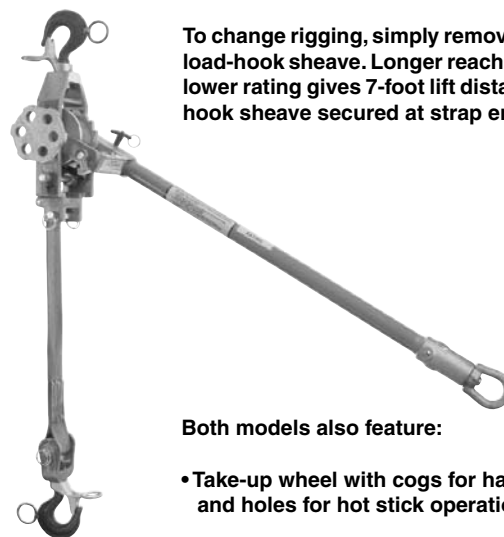
Automatic spring-loaded latches on 360° swivel forged-steel hooks, two places.

Heat-treated aluminum-alloy frame – open design for easy cleaning in mud or ice.

Interlocking pawls for sure control without brakes that can slip.

Safety-orange 30" x 1 1/4" Epoxiglas® insulated handle, Plastisol end cap seals out dirt.

**Rigged for lower rating (below):
Hotstick style with operating rings on hook latches and handle.**



To change rigging, simply remove split ring from load-hook sheave. Longer reach when rigged for lower rating gives 7-foot lift distance using load-hook sheave secured at strap end.

Both models also feature:

- Take-up wheel with cogs for hand operation and holes for hot stick operation.
- Easy-access Shift and Release Keys operate by hotsticks or by hand, even with gloves.

Accessories

Catalog No.	Description	Weight
C3060000	Storage bag for strap hoist	1/8 lb./0.05 kg.

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.

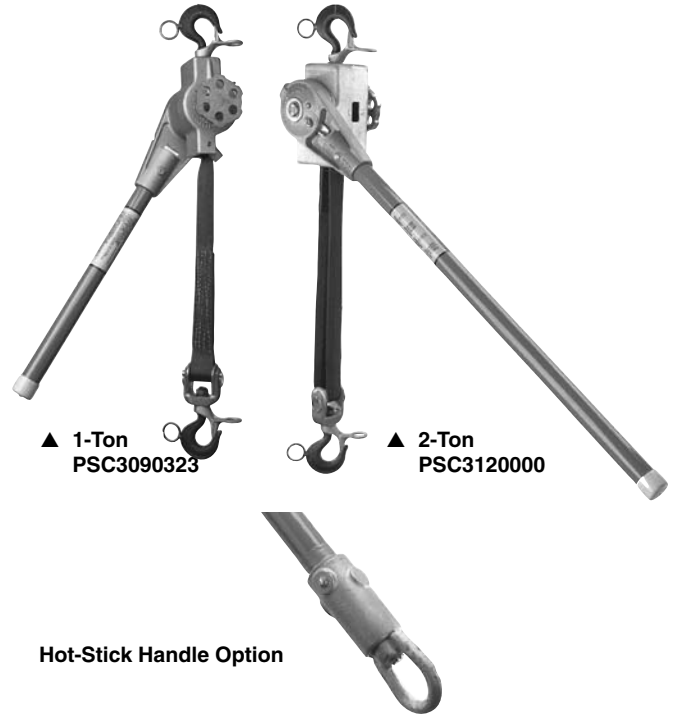
Specifications

10,000-lb. single-strap strength rating
1-Ton Hoist 2-Ton Hoist

Hook-to-Hook Distance:

Minimum 27 in. 27 in.
 Maximum 8 ft. 6 ft.

Standard Lift Distance 5 ft. 9 in. 3 ft. 9 in.



Safety tips from label on hoist handles:

- INSURE HOOK-TO-HOOK PULL IS IN A STRAIGHT LINE AND DOES NOT EXCEED THE LOAD RATING STAMPED ON THE HANDLE.
- DO NOT PERMIT HANDLE TO SELF-RATCHET.
- DO NOT HANG, BOUNCE, OR EXCEED 200 POUNDS FORCE ON HANDLE.
- DO NOT REPLACE HANDLE WITH A LONGER HANDLE OR USE AN EXTENSION ON HANDLE.
- DO NOT USE HOIST AS A LOAD BINDER.
- CLOSE LATCHES ON SAFETY HOOKS BEFORE USING.

*1-Ton Nylon-Strap Hoists and Accessories

Catalog No.	Description	Weight
PSC3090323	Hoist with Regular Handle	12 ³ / ₄ lb./5.7 kg.
PSC3090467	Hoist with Hot-Stick Handle	13 ³ / ₄ lb./6.2 kg.
C3060000	Storage Bag for either 1-Ton Hoist above	¹ / ₈ lb./0.05 kg.

*2-Ton Nylon-Strap Hoists and Accessories

Catalog No.	Description	Weight
PSC3120000	Hoist with Regular Handle	14 ¹ / ₂ lb./6.5 kg.
PSC3090468	Hoist with Hot-Stick Handle	15 ¹ / ₂ lb./7 kg.

* 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 1¹/₄"-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.

Catalog No.	Length between end fittings	Weight
C4001175	15" Epoxiglas	4 lb./1.8 kg.
C4002399	18" Epoxiglas	5 lb./2.25 kg.
C4002400	24" Epoxiglas	6 lb./2.7 kg.