

CHANGE[®]

Mechanical Hoists

Catalog 1100 August 2021



Hoists - Mechanical - 1100



RATCHET HOISTS

User-friendly operation and construction.

Experienced operators prefer CHANCE® lever hoists for long-term, dependable performance. Light-weight for simple handling, but rugged for reliable duty, CHANCE hoists deliver features with added value for operator productivity.

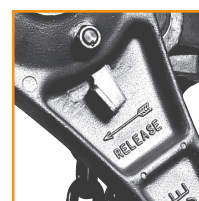
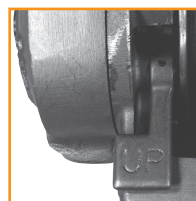
Specifications

- Each unit comes with illustrated operating manual, including complete parts list
- Lifetime oil-impregnated bronze-sleeve bearings require no additional lubrication
- Pliers and screwdriver are only tools needed for maintenance
- For infrequent repairs, kit C3090349 contains minor service parts common to all ratings



Accessories

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



Operation

- Easy hook-up and chain release to freewheel, under no-load conditions
- Controls automatically lock when hoist is pulling load
- Two simple levers – Shift Key for up and down on top of housing, and Release Key in handle recess – are easy to switch, even wearing gloves
- Easily ratchets one or two clicks per stroke in up or down mode
- Choose quick speed, or full- or half-link rate for added accuracy
- Ratchet handle swings to either side for cramped quarters and push or pull stroke operation
- Top and bottom hooks swivel 360° for rope unwinding or stranded cable under tension

Construction

- Easy operating controls, even without removing gloves
- Proof-tested and factory operated at 150% of capacity rating
- Simple, extremely sturdy design ensures dependable service backed by 50 years of field experience and laboratory tests
- Light-weight, high-strength handle and sheave housings are heat-treated aluminum
- All working parts are fully enclosed in the housing unit for operator safety
- High-strength alloy steel chain is polished for smooth action and low wear
- Load hooks are forged steel with automatic spring-loaded latches
- Two-way handle allows for easy access and operation overhead or below chest level

Rated-Load Capacities, Tons

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

“THE FULL LINE” OF 14 MODELS
• The ratchet hoist team to trust.

Chance ratchet hoists’ five capacity ratings are designed for a wide range of industry requirements for load-handling equipment.

Operation

- Compact and portable hoists operate easily, even in tight work spaces
- Quickly and easily perform repeated heavy lifts and pulls
- Built for years of reliable performance

Construction

- Chain hoists offer either link- or roller-style (“bicycle”) chain
- Nylon-strap models are primarily for the utility industry and a variety of load ratings
- Light-weight, yet durable – designed for rugged construction and industrial settings



RATCHET CHAIN HOISTS

3/4-Ton, 1-Ton, 1 1/2-Ton, 2-Ton & 3-Ton Ratings

Link-Chain Style

A strong link to reliable performance.

Construction

- Proof-tested and factory operated at 150% of capacity rating
- Light-weight, high-strength handle and sheave housings are heat-treated aluminum
- All working parts are fully enclosed in the housing unit for operator safety
- High-strength alloy steel chain is polished for smooth action and low wear
- Load hooks are forged steel with automatic spring-loaded latches
- Two-way handle allows for easy access and operation overhead or below chest level

Operation

- Easy hook-up and chain release to freewheel, under no-load conditions
- Controls automatically lock when hoist is pulling load
- Two simple levers – Shift Key for up and down on top of housing, and Release Key in handle recess – are easy to switch, even wearing gloves
- Easily ratchets one or two clicks per stroke in up or down mode
- Choose quick speed, or full- or half-link rate for added accuracy
- Ratchet handle swings to either side for cramped quarters and push or pull stroke operation
- Top and bottom hooks swivel 360° for rope unwinding or stranded cable under tension

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

Specifications

- Each unit comes with illustrated operating manual, including complete parts list
- Lifetime oil-impregnated bronze-sleeve bearings require no additional lubrication
- Pliers and screwdriver are only tools needed for maintenance
- For infrequent repairs, kit C3090349 contains minor service parts common to all ratings
- 5-1/2 ft. Standard Lift Distance
- 20-in. handle/Aluminum housing



3/4-Ton



1-Ton



All models feature robust safety latches on hooks at each end.



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.



1 1/2-Ton



2-Ton



3-Ton

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum	Weight	
				lb.	kg.
C3090438	3/4-Ton	65 lb.	11 in.	14	6.3
30115	1-Ton	90 lb.	11 in.	14	6.3
C3090439	1 1/2-Ton	60 lb.	16 in.	22	10
4012	2-Ton	90 lb.	11 in.	28 1/2	12.7
C3090440	3-Ton	60 lb.	19 3/4 in.	30 1/2	13.8

RATCHET CHAIN HOISTS

¾- & 1 ½-Ton Ratings

Roller-Chain Style

The efficient way to give productivity a lift.

Roller-style (bicycle) chain offers two effective load-rating options from our link-style chain hoist line.

Construction

- Proof-tested and factory operated at 150% of capacity rating
- Light-weight, high-strength handle and sheave housings are heat-treated aluminum
- All working parts are fully enclosed in the housing unit for operator safety
- Two-way handle allows for easy access and operation overhead or below chest level

Operation

- Easy hook-up and chain release to freewheel, under no-load conditions
- Controls automatically lock when hoist is pulling load
- Two simple levers – Shift Key for up and down on top of housing, and Release Key in handle recess – are easy to switch, even wearing gloves
- Easily ratchets one or two clicks per stroke in up or down mode
- Choose quick speed, or full- or half-link rate for added accuracy
- Ratchet handle swings to either side for cramped quarters and push or pull stroke operation
- Top and bottom hooks swivel 360° for rope unwinding or stranded cable under tension

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



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.

Specifications

- Each unit comes with illustrated operating manual, including complete parts list
- Lifetime oil-impregnated bronze-sleeve bearings require no additional lubrication
- Pliers and screwdriver are only tools needed for maintenance
- For infrequent repairs, kit C3090349 contains minor service parts common to all ratings
- 5-1/2 ft. Standard Lift Distance
- 20-in. handle/Aluminum housing

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum	Weight	
C3090457	¾-Ton	65 lb.	13 in.	12½	5.6
C3090458	1½-Ton	60 lb.	26 in.	22	10



Convertible Strap Hoists

Versatile options for your toughest challenges.

Designed with special features, two hoist options offer a choice for maintenance and construction.

Construction

- For standard duty or electric-utility rubber-glove procedures, select regular style
- For hotstick operations, select hoist with handling ring on the handle
- Light-weight for easy handling, both styles are ruggedly designed for heavy-duty applications

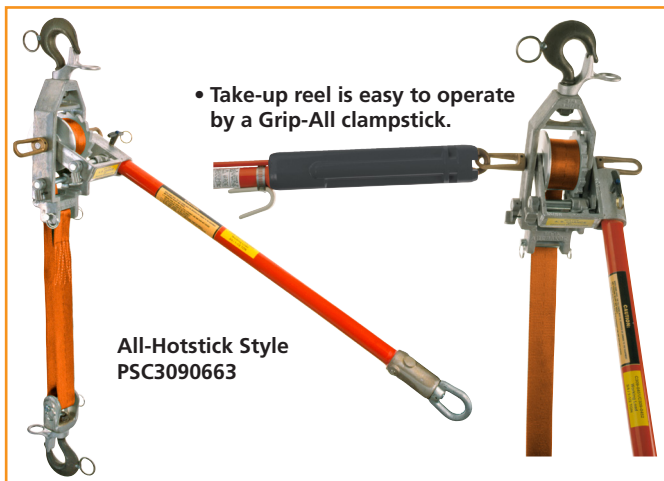
Operation

- Adapts immediately to varying field needs
- Adds 3 feet of lift-distance capability when rigged at the lower rating
- To rig hoist for higher rating, keep load-hook sheave mounted midway on strap when it is becketed (doubled, with the end of strap secured to hoist frame)
- To convert to lower rating, secure the load hook sheave through loop in strap free end

Specifications

Single nylon-web strap rating 4,500 lb.

Hook-to-Hook Distance:	Rigged for higher rating:	Rigged for lower rating:
Minimum	21½ in.	21½ in.
Maximum	6 ft. 7 in.	9 ft.
Standard Lift Distance . . .	3 ft.	6 ft.



* ¾ – 1½ Ton Nylon-Strap Hoists

Catalog No.	Hoist Description	Weight
PSC3090451	Rubber-Glove Style	12½ lb./5.4 kg.
PSC3090452	Hotstick Hooks & Handle Style	13½ lb./6 kg.
PSC3090663	All-Hotstick Style	13½ lb./6 kg.

One Model: ¾- & 1½-Ton Ratings

3 Styles: For Rubber-Glove & Hotstick Work



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

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 1¼" Epoxiglas® insulated handle, Plastisol end cap seals out dirt.

Rigged for higher rating (above):
Rubber-Glove Style with operating rings on hooks and latches.

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.



Photo shows rigging for lower rating on Hotstick Style with operating rings on Hooks, latches and Handle.

- Both the PSC3090451 & PSC3090452 models also feature:
- Take-up wheel with cogs for hand operation and holes for hotstick 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.

* 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 on page 1108)

Nylon-Strap Ratchet Hoists

1-Ton & 2-Ton Ratings

Handle even the toughest jobs.

Designed with special features, both 1-ton and 2-ton hoists offer a choice of two handle options for utility maintenance and construction.

Construction

- For rubber-glove work, select hoist with plastisol cap on handle end
- For operation by hot-line tools, select hoist with swivel eye on handle end
- All models have hot-stick rings on hooks and latches

Operation

- 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.
Handle Length	22 in	36 in.

Safety tips from label on hoist handles:

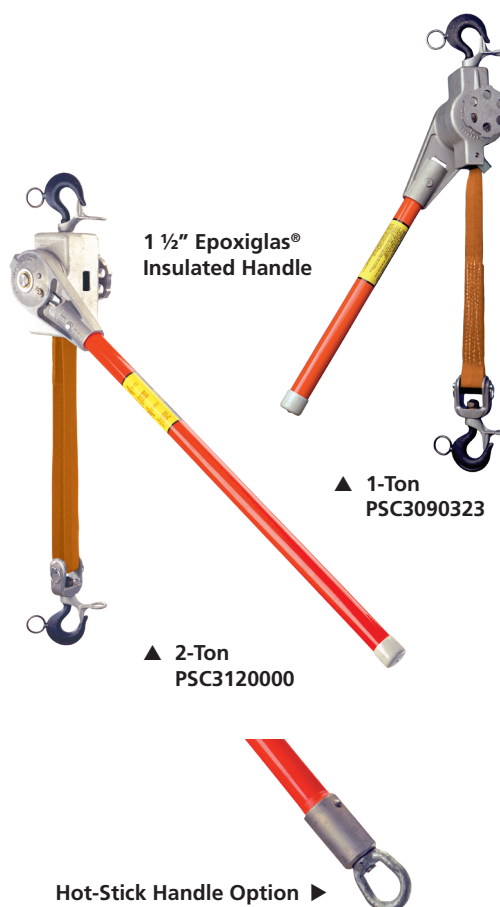
- INSURE HOOK-TO-HOOK PULL IS IN A STRAIGHT LINE AND DOES NOT EXCEED THE LOAD RATING STAMPED ON THE HANDLE.
- DO NOT PERMIT HANDLE TO SELF-RATCHET.
- DO NOT HANG, BOUNCE, OR EXCEED 200 POUNDS FORCE ON HANDLE.
- DO NOT REPLACE HANDLE WITH A LONGER HANDLE OR USE AN EXTENSION ON HANDLE.
- DO NOT USE HOIST 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 Hotstick Handle	13 ³ / ₄ lb./6.2 kg.
C3060000	Storage Bag for either 1-Ton Hoist listed 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 on page 1108).

Epoxiglas® Crossarm Link Stick

For Deadend Applications



Quickly puts insulated link in hoist-assisted jobs:

- 1-1/4"-diameter Epoxiglas® pole with 21-1/2" insulating length
- Plastisol-coated 3/4"-diameter steel hook
- Hook's 5" opening fits standard 3-3/4" x 4-3/4" crossarms
- Galvanized-steel swivel eye on pole end for easy alignment
- Lifting eye on hook fitting for positioning by a hot line tool

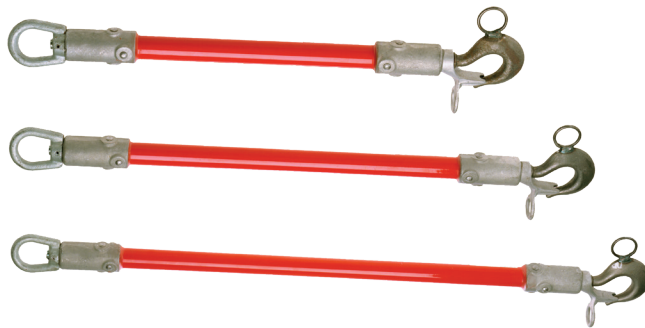
Rated working load: 1,500 lb. and 3,500 lb.

Catalog No.	Description	Color Code	Weight
PSC4004132	Crossarm Link Stick - 1500 lb	Gray Hook	7.0 lb./3.2 kg.
PSC4004372	Crossarm Link Stick - 3500 lb	Black Hook	8.0 lb./3.6 kg.

Epoxiglas® Hoist Link Sticks

Easily adapts to hot-line uses

To permit hot-line work with a nylon-strap ratchet hoist, a properly applied link stick insulates the hoist from an energized conductor.



Construction

- 1 1/4"-diameter Epoxiglas pole with a steel hook on one end
- Features butt swivel on end opposite of steel hook

Operation

- Attach the hook of the stick to a wire grip using the hotstick eye to operate hook
- Complete application by connecting nylon-strap hoist to link stick butt swivel and to 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.

HUBBELL[®]

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AUGUST 2021

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