

# CHANGE<sup>®</sup>

## Mechanical Hoists

Catalog 1100 August 2021



Hoists - Mechanical - 1100



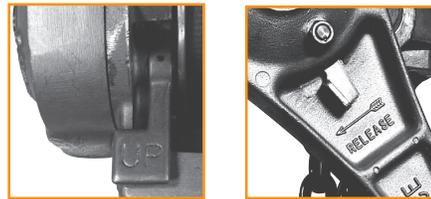
## RATCHET HOISTS

### 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



### 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



Accessories

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

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

• The ratchet hoist team to trust.

### 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

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



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



# Convertible Strap Hoists

Versatile options for your toughest challenges.

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

## Construction

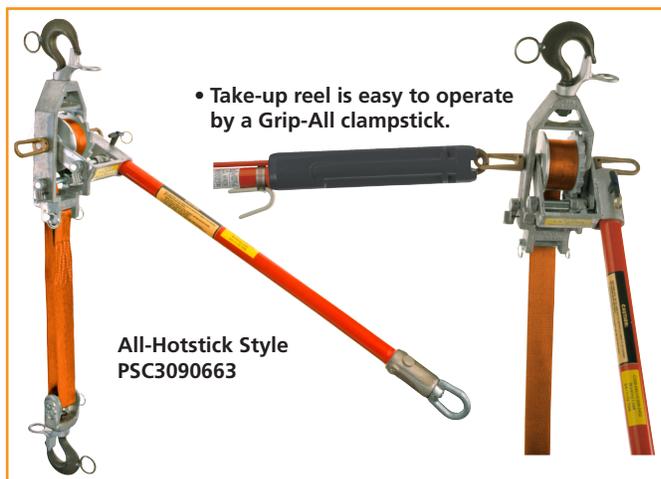
- For standard duty or electric-utility rubber-glove procedures, select regular style
- For hotstick operations, select hoist with handling ring on the handle
- Light-weight for easy handling, both styles are ruggedly designed for heavy-duty applications

## 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.



- 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:

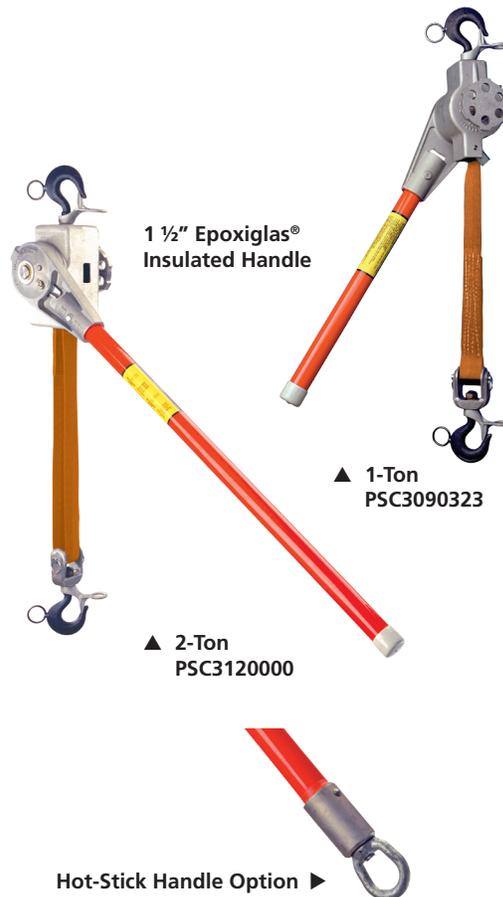
- INSURE HOOK-TO-HOOK PULL IS IN A STRAIGHT LINE AND DOES NOT EXCEED THE LOAD RATING STAMPED ON THE HANDLE.
- DO NOT PERMIT HANDLE TO SELF-RATCHET.
- DO NOT HANG, BOUNCE, OR EXCEED 200 POUNDS FORCE ON HANDLE.
- DO NOT REPLACE HANDLE WITH A LONGER HANDLE OR USE AN EXTENSION ON HANDLE.
- DO NOT USE HOIST 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 <sup>3</sup> / <sub>4</sub> lb./5.7 kg.
PSC3090467	Hoist with Hotstick Handle	13 <sup>3</sup> / <sub>4</sub> 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 <sup>1</sup> / <sub>2</sub> lb./6.5 kg.
PSC3090468	Hoist with Hot-Stick Handle	15 <sup>1</sup> / <sub>2</sub> 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

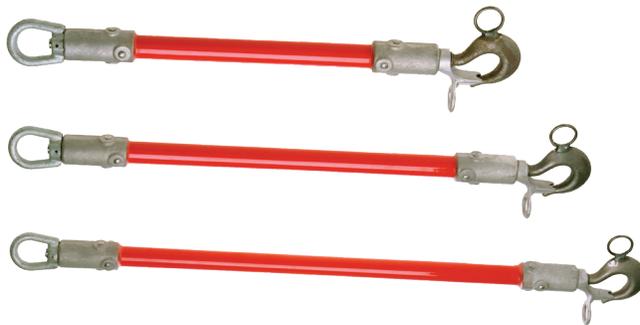
**Rated working load: 1,500 lb. and 3,500 lb.**

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<sup>®</sup>

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