

Phase Sequence Indicator

The K-3 Phase Sequence Indicator is used to determine the phase sequence (A-B-C or C-B-A) of three-phase voltages.



The K-3 Phase Sequence Indicator is of the rotating-disk design; there are no lights to burn out. All internal connections are soldered and there are no exposed metal parts on the housing.

Its three leads are color coded, red, white, and blue. The leads are 36" in length. The K-3 is designed for operation from 25 to 60 Hertz and from 60 to 600 Volts.



* Carrying case (pictured to the left) is available upon request.

Ratchet Hoists

Link-Chain Style

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.

Catalog No.	Rating	Handle Pull at Rating	Hook-to-Hook Minimum
3011S	1-Ton	90 lb.	11 in.

Ratchet Hoists

Ratchet & Pawl Design



Aluminum ratchet lever hoists utilize a ratchet and pawl design. The RA is ideal for transmission and distribution utility applications where a disc brake mechanism is not desirable.

Rated loads from 3/4 to 6 Tons, with 5-foot standard lift. Unit and handle are made from high strength ductile aluminum alloy for corrosion resistance and portability. Free chaining mechanism allows quick and easy one-handed take-up and positioning of slack chain. Will not accidentally free chain when under load.

The ratchet and pawl design provides easy operation and freedom from maintenance. One pawl is always engaged with the ratchet during lifting and lowering operations, so handle will not ratchet when lowering operations, so handle will not ratchet when lowering a load if handle is unintentionally released.

Open body construction allows easy inspection. Handle stops keep handle from spinning in case the operator's hand slips off the handle.

LIFETIME WARRANTY

Catalog No.	Capacity Lbs	Capacity Tons	Strands of Load Chain
RA-15	1500	3/4	1
RA-20	2000	1	1
RA-30	3000	1.5	1
RA-40	4000	2	1
RA-30-2	6000	3	2
RA-30-4	12000	6	4

Strap Hoists

*Rated loads of 1500 & 2000 lb. for single line; 3000 & 4000 lb. for double line.

*Solid fiberglass handle, with replacable tips, bends to alert of possible overload.

*Self storing for compact operation.

*Nonconductive winding wheel provided for quick take-up or positioning of slack webbing.

*Ensure positive load control and precise load positioning.

*Corrosion resistant for long service life and dependability.

*All rotating shafts are mounted on bronze bushings for smooth operation and reduced wear.

*Open Frame Construction makes cleaning and inspections easy.

*All hooks swivel 360 degrees and are equipped with latches.

*Easily Removed Sheave Block - Utilizing a quick disconnect pin design. Converts hoist for single line use.

*Meets ANSI/ASME Standard B-30.21; designed with a 4:1 factor and tested at 125% of rated load.



Single Line

Catalog No.	Capacity Lbs.	Lift Ft.	Hook to Hook In.
322B	1500	14	20
322DA	1500	14	20
322CB	1500	14	23
322DHB	1500	14	22
344B	2000	11	20
344DB	2000	11	20
344CB	2000	11	23
344DHB	2000	11	22

DB Includes Hot Stick Rings on All Hooks, Control Surfaces.

CB Includes Swivel-Type Gate Latch on All Hooks.

DHB Includes Hot Stick-Type Gate Latches on All Hooks as well as Hot Stick Rings on All Hooks, Control Surfaces.

Chart for double line continued...

Double Line (Continued)			
322B	3000	7	23
322DA	3000	7	23
322CB	3000	7	27.5
322DHB	3000	7	26
344B	4000	5.5	23
344DB	4000	5.5	23
344CB	4000	5.5	27.5
344DHB	4000	5.5	26

Series 6000

*Durable and Rugged - Extra large superior grade webbing with double side plate housing design.

*Positive load holding in all environments provided by double interlocking pawl mechanism.

*Extremely low handle effort provided by special 4:1 gear reduction.

*Added Webbing Protection - Wire-form strap guide and special bottom block roller guide web smoothly on to drum.

*Meets or exceeds minimum 4:1 design factor and all requirements of ASME/ANSI Standard B-30.21.

All units tested at 125% rated load.



Catalog No.	Capacity (Lbs.)	Lift (Ft.)	Hook to Hook (In.)
6000A	6000	5	27
*6000DA	6000	5	27
**6000CA	6000	5	31.5

*** Includes Hot Stick Rings on All Hooks, Control Surfaces and Quick Disconnect Shaft.**

**** Includes Swivel-Type Gate on All Hooks.**

Choice of Hooks for Strap Hoists



Standard Hook

Heat-treated, forged steel hooks provide lasting strength and durability. Hooks will bend open under extreme overload situations, but will not break. Safety latches are standard.

Catalog Number: A



Hot Stick Hook

Hot stick hooks have a welded ring for use with holding sticks. Safety latches are standard.

Catalog Number: DA



Swivel Gate Hook

Bullard-type, swivel gate latch provides positive locking action for secure load holding in all environments.

Catalog Number: CA



Hot Stick Hook & Gate Latch

Hot stick gate latch models have rings on the latch and the hook for use on energized lines. Holding sticks easily maneuver the latch and hook.

Catalog Number: DHA



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 1.25"-diameter pole with a steel hook on one end and a butt swivel on the other. **Rated working load: 4,000 lb.**

Catalog Number	Length between end fittings	Weight
C400-1175	15"	4 lb./1.8 kg.
C400-2399	18"	5 lb./2.25 kg.
C400-2400	24"	6 lb./2.7 kg.

Chain Hoists

LMSC * 3/4 - 6 Ton

*The Industries easiest-to-operate ratchet lever hoist is available with optional Load Limiters. Also featuring through-hardened load chain, these stamped steel ratchet lever hoists are lightweight, durable and are ideal for construction and commercial applications.

*All LMSC hoists are metric rated.

*Impact resistant, stamped steel housing withstands rigorous use. Compact design is portable and easy to rig.

*Double reduction gearing and short, cushioned-grip handle provide easy operation with minimal handle effort.



Lifetime Warranty

Catalog No.	Capacity - Lift Lbs./Tons - Ft.	Min. Distance Between Hooks (in.)	Handle (in.)	Avg. Handle Effort (Lbs.)	Net Weight (Lbs.)
LMSC-1500	1500/.75 - 5	117/8	9.25	46	12
LMSC-3000	3000/1.5 - 5	13	14 9/16	59	21

G Series Ratchet Lever Hoist

Malleable iron roller chain ratchet lever hoists are efficient and durable. Roller chain can be spliced to create longer lifts and can handle higher capacities than coil chain. G Series hoists are ideal for utility transmission and distribution work.



Catalog No.	Capacity Lbs./Tons	Standard Lift (in.)	Strands of Load Chain
AG/AGI	1500/.75	56.5	1
ATG/ATGI	3000/1.5	57	2
FG/FGI	3000/1.5	56.5	1
FTG/FTGI	6000/3	57	2
ZG-4.5	9000/4.5	53	3
ZG-6	12000/6	53	4

Capstan Hoists

1,000 Lb. Load Rating *(3,000 also available)

Electric Drive

12-Volt DC Power Hoist	
with 25' #2 Cu cable, four Terminals, Relay, Foot Switch	
Catalog Number	Weight, each
C308-1172	35 lb. (15.9 kg.)
115-Volt AC	
includes Power Hoist and Foot Control Switch only	
C308-1170	35 lb. (15.9 kg.)



Hydraulic Drive



Catalog Number	Weight, each
C308-1180	25 Lb. (11.4 kg.)

Gasoline Drive



Catalog Number	Weight, each
C308-1190	34.75 lb. (13.8 kg.)

Catalog No.	Rope Speed for 1,000 lb. load	Source, minimum
12-Volt DC	22 feet per minute	90 amperes motor current
115-Volt AC	40 feet per minute	14 amperes motor current
230-Volt AC	21 feet per minute	7 amperes motor current
Hydraulic	93 feet per minute	8 gal. per min. & 1,000 psi
Gasoline	40 feet per minute	Engine speed: 8,000rpm

Recommended Rope for Capstan Hoists
Poly-Dacron or Composite Fiber Braided

Capstan Hoists

Options and Components (1,000 lb. rated only)

All Purpose Bracket

Includes 2 Chain Clamps for poles, angles, beams
Recommended Universal Bracket below for Gasoline hoist.



Catalog No.	Weight, each
C308-1335	23 lb. (10.4 kg.)

Bolt Down Bracket

Same as above, except does not include Chain Clamps.

Catalog No.	Weight, each
E308-1321	8 lb. (3.6 kg.)



Universal Bracket

Recommended for Gasoline Drives

Bolts down or uses two C417-0346 Chain Clamps below for mounting on poles, angles, beams.

Catalog No.	Weight, each
C308-0925	8 lb. (3.6 kg.)



Chain Clamp

For Universal Bracket Only

One per Catalog No.; two required for Universal Bracket.



Catalog No.	Weight, each
C417-0346	7 1/8, (3.2 kg.)