

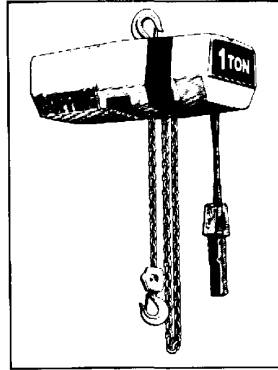
"ABOUT INQUIRIES"

To insure a hoist which will meet your particular requirements with complete safety, your inquiry should include the following information as applicable:

1. A brief description of the work to be accomplished including the number of lifts per hour or day.
2. Capacity in tons of 2000 lbs.
3. Type of suspension: lug, hook, manual push trolley, manual geared trolley, motor driven trolley or base mounted.
4. Headroom: maximum headroom dimension permissible.
5. Maximum lift in feet: the distance between the upper and lower elevations of travel of the load block.
6. Desired hoisting and trolley travel speeds in FPM.
7. Method of operation: pendant push button, pendant rope, remote control or trailer cab.
8. Speed control: For the hoist-single speed, two (2) speed or variable speed (3 or 5 step). For the trolley-single speed, single speed with ballast resistor, accelerating fluid drive or variable speed (3 or 5 step). For D.C. (direct current) hoisting, dynamic lowering is also available.
9. Operating current: A.C.- voltage, phase, cycles and NO. of wires. D.C.- voltage.
10. Beam or rail size for trolley hoists: Height, width and weight per foot of standard mill rolled sections or the catalog number or patented monorail section. Minimum radius curve in track, type of switches and size of splice plates or reinforcing strips, if any.
11. Type of power collection system: Flexible rubber covered cable, wheel type collectors for open bar or wire, safety shielded type collectors or others.
12. Special conditions such as heat, dust, moisture, hazardous atmospheres, etc. Explain fully.
13. A statement that "The hoist unit is to meet the Recommended Minimum Standard Specifications as issued by the Hoist Manufacturers Association, Inc., One Thomas Circle, Washington 5, D.C."

Electric Hoist - Hook and Lug Suspension Models

- **Rated loads from 1/4 to 5 tons.**
- 230-460-volt motors standard. 115/230 (Single phase, 1 HP or less), 575- and 208-volt motors are optional.
- Two speed available. 3 to 1 ratio (Three phase only).
- 10-foot standard lift. Optional lifts are available.
- Standard rigid hook, swivel hook and lug suspensions available. 5-ton lug mount only.
- Adjustable upper and lower limit switches regulate load travel.
- Overload limiting clutch guards against lifting of damaging overloads while operating the hoist.
- Mechanical load brake operates even when the power is off to eliminate possible load drift.
- Five-pocket load sheave provides more even chain support with less wear on the chain, smoother lifting, and less vibration to the load and supporting structure.
- Oil-filled transmission runs cooler, lasts longer than competitive grease-filled models.
- A specially designed pushbutton station is formed to fit the operator's hand, allowing for thumb or two-handed operation.



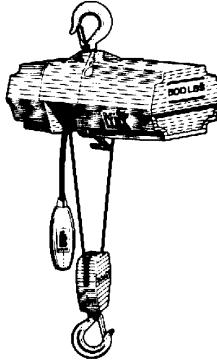
Specifications

Rated Load (Lbs.)	Lifting Speed (Ft./Min.)	Motor HP	Weight* (Lbs.)	Reeving	Model Number
500	16	1/4	100	SINGLE	EC-0516
500	32	1/2	108	SINGLE	EC-0532
500	64	1	116	SINGLE	EC-0564
1000	9	1/4	104	SINGLE	EC-1009
1000	16	1/2	106	SINGLE	EC-1016
1000	32	1	118	SINGLE	EC-1032
2000	8	1/2	116	DOUBLE	EC-2008
2000	12	3/4	114	SINGLE	EC-2012
2000	16	1	118	SINGLE	EC-2016
4000	6	3/4	127	DOUBLE	EC-4006
4000	8	1	133	DOUBLE	EC-4008
6000	5	1	200	TRIPLE	EC-6005
4000	16	2	295	SINGLE	EC-4016
4000	24	3	302	SINGLE	EC-4024
6000	10	2	340	DOUBLE	EC-6010
6000	16	3	347	DOUBLE	EC-6016
8000	8	2	345	DOUBLE	EC-8008
8000	12	3	352	DOUBLE	EC-8012
10000	8	3	393	TRIPLE	EC-10008

HST 015 HST 022 HST 030
 HST 0150 HST 023 HST 031
 HST 016 HST 029 HST 038

Light duty electric hoists provide easy lifting in the shop and in the field - choice of AC or DC motors.

- **Rated loads of 300 and 500 pounds.**
- Available in chain or wire rope models.
- Economical electric hoists for intermittent duty applications (10% allowable on-time).
- Compact and lightweight for one-hand portability.
- Swivel hook with latch, top and bottom.
- Upper and lower limit switch (chain models).
- Upper limit switch wire rope model.
- Thermally protected.
- 3 amp, 115 VAC unit plugs in anywhere without special wiring; 20 amp, 12 VDC unit operates from auto battery in portable or remote applications.
- 10 foot lift with 6 foot pushbutton cord on all models.
- Chain containers available.
- Made in USA.



SPECIFICATIONS

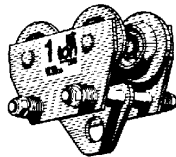
Model Number	Rated Load (lbs)	Lifting Speed (ft/min)	Motor H.P.	Voltage	Weight (lbs)	Reeving
EMC-300-AC	300	16	1/6	115 VAC	21	Single chain
EMC-300-DC	300	13-19*	1/6	12 VDC	21	Single chain
EMC-500-AC	500	8	1/6	115 VAC	24	Double chain
EMC-500-DC	500	7-11*	1/6	12 VDC	24	Double chain
EMW-500-AC	500	10	1/6	115 VAC	19	Two part wire rope
EMW-500-DC	500	8-12*	1/6	12 VDC	19	Two part wire rope

* Depends on load

HST 010 HST 213

Adjustable trolleys roll loads smoothly on I-beam or jib.

- **Rated loads of 1/4 to 5 tons.**
- Economical trolley for most applications.
- Hanger clevis accepts most hook mounted hoists.
- Adjustable for a range of beam sizes.
- Cast iron wheels with permanently lubricated, shielded ball bearings.
- Dual tread wheels will fit any tapered or flat beam flange within range of adjustment.



SPECIFICATIONS

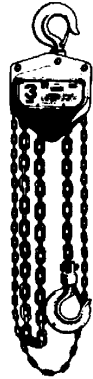
Model No.	Rated Load (lbs)	Beam Height (in)	I-Beam Width (in)	Min. Radius (in)	Shipping Weight (lbs)
TL-500	500	4-10	2.66-4.66	36	14
TL-1000	1000	4-10	2.66-4.66	36	14
TL-2000	2000	5-12	3.00-5.00	48	23
TL-4000	4000	6-18	3.33-6.00	60	52
TL-6000	6000	8-20	4.00-6.25	60	60
TL-10000	10000	10-24	4.66-7.00	60	96

HST 240 HST 243
 HST 242 HST 2703



Commercial Quality - High value portable hand chain hoists make lifting easier.

- Rated loads of 1/2, 1, 2, 3 and 5 tons.
- Standard lifts of 10, 15 and 20 feet.
- Rugged, long-lasting but economical.
- Portable for use almost anywhere.
- Mechanical load brake for positive load control.
- Heat-treated spur gearing allows low hand chain pull.
- Compact gear housings allow use where headroom is limited.
- Lubricated bearings and gears provide smooth operation.
- Bearing-mounted pinions increase efficiency and ease of operation.
- Through-hardened load chain provides high strength and wear resistance.
- Latch-type swivel hooks standard on all models.



HST 046 HST 056
 HST 053 HST 057
 HST 055 HST 065

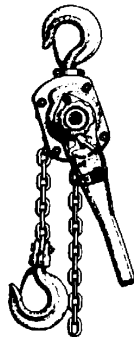
SPECIFICATIONS

Model Number	Rated Load (lbs)	Lift Height (feet)	Shipping Weight (lbs)	Minimum Distance Between Hooks (Inches)
LHH-1/2A-10	1000	10	28	10.25
LHH-1/2A-15	1000	15	31	10.25
LHH-1/2A-20	1000	20	34	10.25
LHH-1A-10	2000	10	34	11.5
LHH-1A-15	2000	15	38	11.5
LHH-1A-20	2000	20	42	11.5
LHH-2A-10	4000	10	58	15
LHH-2A-15	4000	15	65	15
LHH-2A-20	4000	20	72	15
LHH-3A-10	6000	10	82	17.75
LHH-3A-15	6000	15	91	17.75
LHH-3A-20	6000	20	100	17.75
LHH-5A-10	10000	10	103	26.375
LHH-5A-15	10000	15	117	26.375
LHH-5A-20	10000	20	131	26.375

NOTE: Hand chain drop two feet less than lift.

Steel body lever hoists/pullers handle tough rigging, welding and maintenance jobs.

- Rated loads of 3/4, 1 1/2, 3 and 6 tons.
- Standard lifts of 5, 10 and 20 feet.
- Ruggedly built yet lightweight and portable.
- Low handle effort level.
- Short 360° rotating handle assures precise positioning and unmatched maneuverability.
- Free-chain control.
- Mechanical load brake provides positive load control.
- Latch-type swivel hook standard on all models.



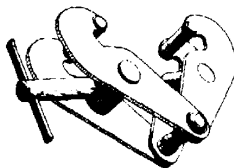
HST 114 HST 117
 HST 115 HST 119
 HST 116 HST 150

SPECIFICATIONS

Model Number	Rated Load (lbs)	Lift Height (feet)	Shipping Weight (lbs)	Minimum Distance Between Hooks (Inches)
LSB-1500-5	1500	5	19	11 1/2
LSB-1500-10	1500	10	22	11 1/2
LSB-1500-20	1500	20	28	11 1/2
LSB-3000-5	3000	5	30	14 1/4
LSB-3000-10	3000	10	35	14 1/4
LSB-3000-20	3000	20	44	14 1/4
LSB-6000-5	6000	5	50	18 1/2
LSB-6000-10	6000	10	59	18 1/2
LSB-6000-20	6000	20	75	18 1/2
LSB-12000-5	12000	5	77	24 7/16
LSB-12000-10	12000	10	95	24 7/16
LSB-12000-20	12000	20	128	24 7/16

Beam Clamp

- Rated loads from 1 to 5 tons.
- Special clamp jaw design reduces flange stress by distributing load away from flange edge.
- Threaded adjustment mechanism fits securely on wide range of flange widths and beams.
- Can be mounted permanently or temporarily.
- Built-in suspension bar provides lower headroom.



SPECIFICATIONS

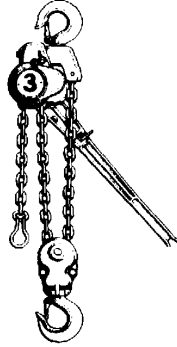
Model	Rated Load (Lbs.)	Flange Width (in.)	Net Weight (Lbs.)
LMBC-1	2000	3.9	8.8
LMBC-2	4000	3.9	13.2
LMBC-3	6000	3.9-9	17.6
LMBC-5	10000	3.9-10.2	22.0

HST 298 HST 300
 HST 299 HST 302



Coffing Lever Hoists

- Rated loads from ¾ to 6 tons.
- Five seals keep the brake mechanism clean and dry, so performance remains constant under exposure conditions.
- Rugged aluminum construction for corrosion resistance and portability.
- Will not free chain when under load.
- Standard 5-foot lift. Longer lifts available.



Specifications

Rated Load (Lb.)	Minimum Distance Between Hooks (in.)	Aver. Pull On Lever To Lift Full Load (Lb.)	No. of Chains	Net Weight (Lb.)	Model Number
1500	12 ⁷ / ₈	61	1	14 ¹ / ₄	MA-15
3000	17	61	2	20 ¹ / ₄	MA-15-2
3000	15	82	1	23	MA-30
6000	18 ¹ / ₄	87	2	36	MA-30-2
9000	23 ¹ / ₈	90	3	53	MA-30-3
12000	22	93	4	63	MA-30-4

HST 140 HST 145 HST 151 HST 161
 HST 141 HST 146 HST 156

**Coffing Hand Chain Hoists
CA & CB MODELS**

- Rated loads from ½ to 12 tons.
- Optional capacity limiter (CB Models) prevents lifting damaging overloads (no extra cost).
- Load chains are electric welded, heat treated alloy steel for strength and wear resistance.
- Fully enclosed, self-adjusting load brake is a friction-type screw and disc design that ensures positive control with a minimum of attention.
- Exclusive Superoid® gearing is made from alloy steel forgings, with machine-cut teeth which provide more teeth to support the load and reduces maintenance cost with fewer wearing parts. Unique right-angle drive provides superior performance.
- Lightweight rugged aluminum alloy housing provides extra strength and compact size.
- Designed for freedom from maintenance, portability and efficiency.
- Standard 8-foot lift. Longer lifts available.



Specifications

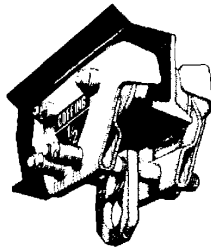
Rated Load (Lb.)	Min. Dist. Between Hooks (in.)	Chain Pull In Lbs. to Lift Rated Load	Strands of Load Chain	Approx. Net Wt. (Lb.)	Model Number
1000	13 ¹ / ₄	58	1	22	CA-1 ¹ / ₂ *
2000	13 ³ / ₈	58	1	38	CB-1
3000	18 ¹ / ₂	62	1	58	CB-1 ¹ / ₂
4000	18 ¹ / ₂	83	1	58	CB-2
6000	21 ¹ / ₂	91	1	78	CB-3
8000	25 ¹ / ₄	85	2	98	CB-4
10000	26 ³ / ₄	72	3	127	CB-5
12000	26 ³ / ₄	87	3	127	CB-6
16000	28 ¹ / ₂	90	4	160	CB-8
20000	31	83	4	212	CB-10
24000	31	100	4	212	CB-10

*Spur gear model

HST 036 HST 059 HST 068 HST 0795 HST1012
 HST 045 HST 060 HST 079 HST 101 HST 1014
 HST 0576 HST 067 HST 0790 HST 1010

**Coffing Trolleys
CT MODELS**

- Rated loads from ¼ to 5 tons.
- Plain and geared models.
- Lowest rolling effect in Coffing trolley line.



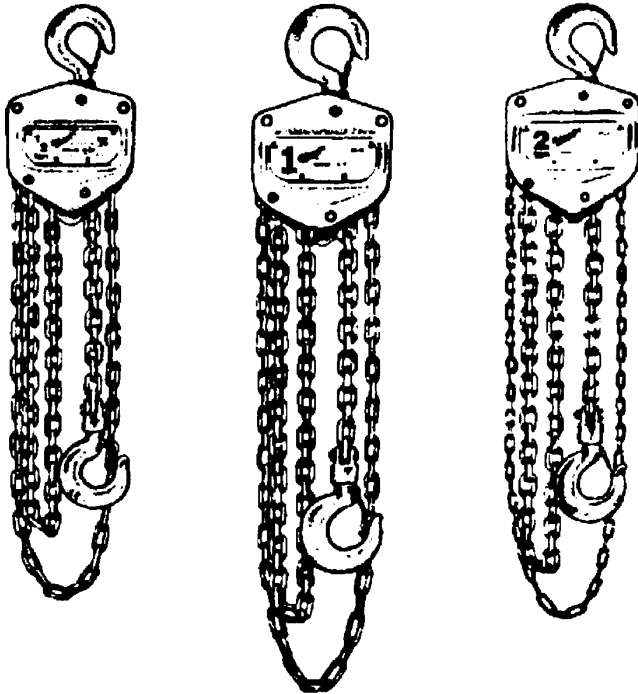
Specifications

Rated Load (Lb.)	Beam Height (In.)	Flange Width (In.)	Weight (Lb.)	Model Number
500	6-18	3 332-6	42	CT-05
1000	6-18	3 332-6	42	CT-10
2000	6-18	3 332-6	42	CT-20
4000	6-18	3 332-6	42	CT-40
6000	6-18	3 332-6	57	CT 60
8000	8-18	4.00-6.00	123	CT-80
10000	8-18	4.00-6.00	153	CT-100

HST 267 HST 270



A full line of manual hoists for every application.



**HEAVY-DUTY
HAND CHAIN HOIST**

9503 9504 9505

- 1/2 ton capacity
- 10', 15' or 20' lift

9506 9507 9508

- 1 ton capacity
- 10', 15' or 20' lift

9509 9513 9514

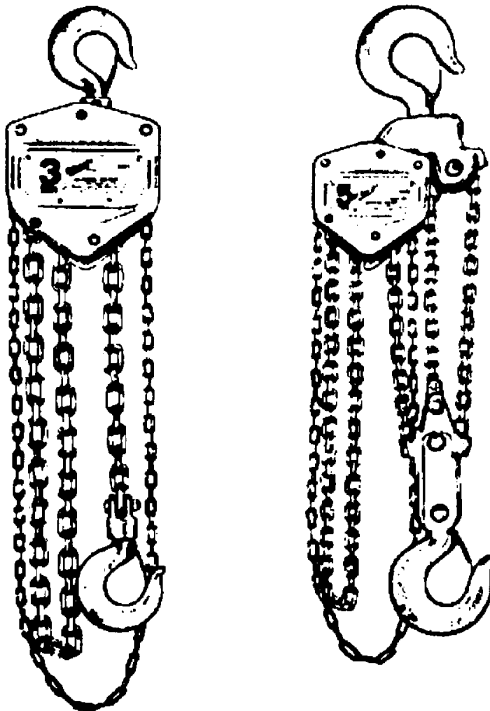
- 2 ton capacity
- 10', 15' or 20' lift

9515 9516 9517

- 3 ton capacity
- 10', 15' or 20' lift

9518 9519

- 5 ton capacity
- 10' or 20' lift
- Mechanical load brake provides positive load control and spotting.
- Steel spur gearing reduces pull effort - makes lifting easier.
- Compact gear housings allow use where headroom is limited.
- Through-hardened load chain provides high strength.
- Latch-type swivel hooks.



Samsel P/N

9503	HST 0461	9513	HST 0651
9504	HST 0491	9514	HST 0653
9505	HST 0493	9518	HST 0581
9506	HST 0571	9519	HST 0591
9507	HST 0572		
9508	HST 0573		

CALL FOR PRODUCT SPECIFICATION OR SAFETY INFORMATION.



HEAVY-DUTY ELECTRIC CHAIN HOIST

9560 9561 9562

- 1/2 ton capacity
- 10', 15' or 20' lift — 16 fpm*

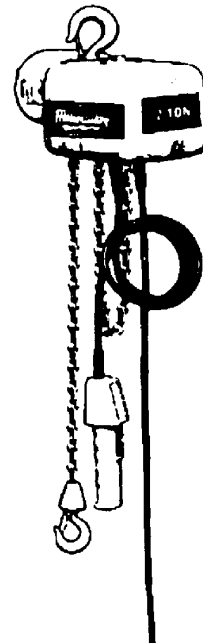
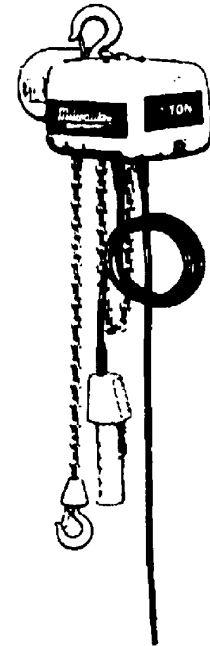
9565 9566 9567 9568

- 1 ton capacity
- 10, 15 or 20' lift — 16 fpm
- Three phase motor (9566 only)

9570 9571 9572 9573

- 2 ton capacity
- 10, 15 or 20' lift
- Three phase motor (9571 only)

- Multiple-disc, magnetic brake provides positive load holding and spotting.
- Adjustable limit switches for regulating load travel.
- Overload clutch guards against damaging overloads.
- 115/230VAC and 230/460VAC units available.
- Latch-type swivel hooks.
- Rugged, aluminum housings corrosion-resistant. Reduced weight allows greater portability.
- Pushbutton station fits user's hand to allow one or two-handed operation.
- Chain containers are available - recommended to keep surplus chain out of the work area.



Samsel P/N
9570 HST 0371



**HEAVY-DUTY
LEVER HOIST**

9530 9534 9535

- 3/4 ton capacity
- 5', 10', or 20' lift

9540 9552 9553

- 1-1/2 ton capacity
- 5', 10' or 20' lift

9545 9556 9547

- 3 ton capacity
- 5', 10' or 20' lift

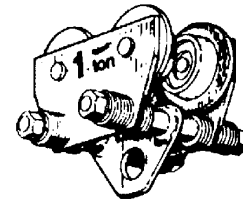
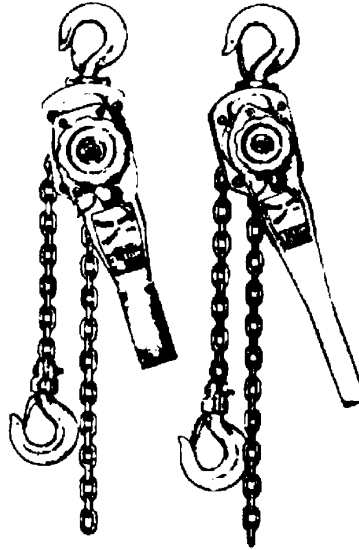
9548 9559

- 6 ton capacity
- 5' or 20' lift

- Built-in load brake provides positive load control and spotting.
- Short; 360° Rotating Handle permits versatile positioning and excellent maneuverability.
- Free chain control, reduces set up time for ease of use.
- Low Handle effort allows' rated load to be lifted with
- Rugged steel body is lightweight; allows greater portability.
- Latch-type swivel hook.

Samsel P/N

9534	HST 112	9540	HST 1421
9552	HST 1431	9553	HST 1441
9556	HST 1517	9547	HST 1519



**HEAVY-DUTY
ADJUSTABLE
TROLLEY**

9610

- 1/2 ton capacity

9620

- 1 ton capacity

9640

- 2 ton capacity

9660

- 3 ton capacity

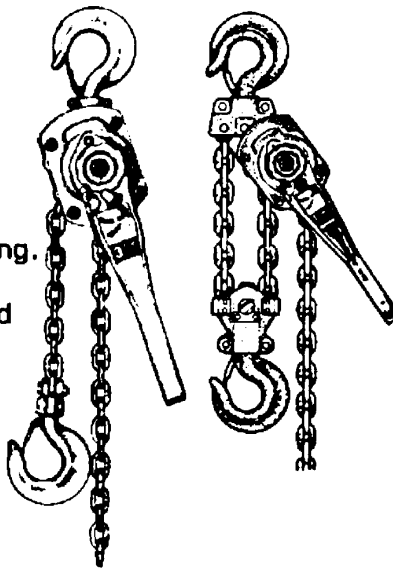
9665

- 5 ton capacity

- Can be used with any Milwaukee manual or electric hoist for a wide range of material handling applications.
- Fully adjustable - fits most standard and wide-flange I-beams.
- Precision wheels roll heavy loads with ease.
- Prelubricated, sealed ball bearings for long life and reduced maintenance.

Samsel P/N

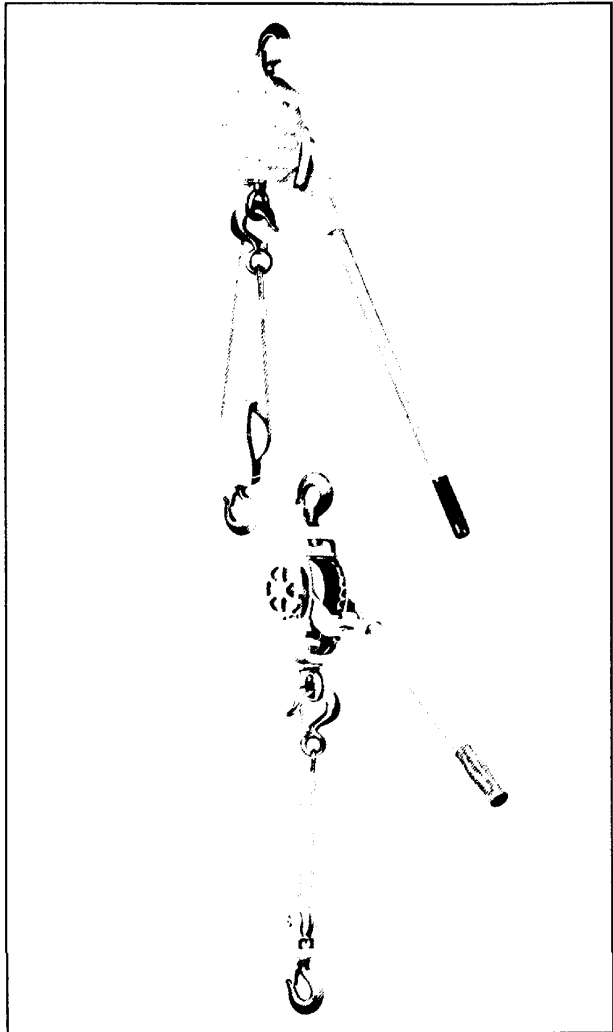
9610	HST 239
9620	HST 2691
9640	HST 2671
9660	HST 2681
9665	HST 2701



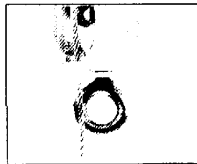
LITTLE MULE™ CABLE HOISTS ... 1/2 TO 3 TONS

SINGLE & DOUBLE LINE MODELS

- **Rated loads from 1/2 to 3 tons.**
- Lift heights to 30 feet.
- Reversible tubular aluminum handle for convenient operation. Designed to bend to warn of hazardous condition and prevent dangerous overload.
- Two-capacity design allows for four-way rigging.
- Top hooks and sheave block hooks rotate 360 degrees.
- Winding wheel for tightening slack cable included on all models, except model 700.
- High-strength aluminum alloy castings reduce weight and resist corrosion.
- Double interlocking pawl system holds securely regardless of the direction of pull.
- Aluminum bronze cable guide and spring steel retaining shield help wind cable properly onto drum.
- Model 430CDP equipped with oversize slip hooks in all three positions. Hoist is excellent for opening and closing boxcar doors.
- All load bearing shafts mounted on bronze bushings to reduce wear.
- All springs and shafts are stainless steel to resist corrosion.
- Wire rope is pre-formed 7 x 19 aircraft cable. (Stainless steel optional).
- Hooks are drop-forged steel with latches.
- Rope drum and ratchet integrally cast for positive action.
- Made in USA.



Interlocking Mechanism



Cable Guide

SPECIFICATIONS

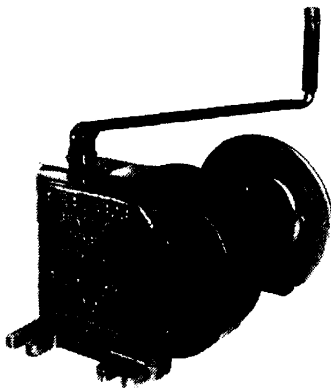
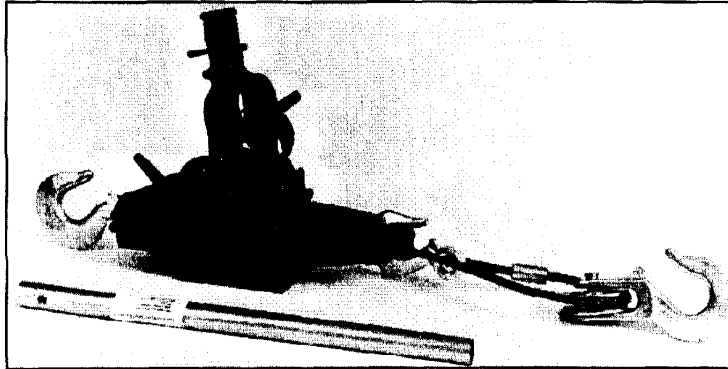
SAMSEL #	Model Number	Single Line			Double Line			Rope Diameter (In.)
		Rated Load (Lbs.)	Standard Lifting Height (Ft.)	Minimum Headroom (In.)	Rated Load (Lbs.)	Standard Lifting Height (Ft.)	Minimum Headroom (In.)	
-	100+	1000	30	16	2000	15	21	5/32
HST 216	115S*	1000	15	17	—	—	—	3/16
HST 186	115D*	1000	15	17	2000	7.5	22	3/16
-	202N*	1500	13	18	3000	6.5	25	3/16
-	505N*	1500	20	17	—	—	—	3/16
-	202WN*	1500	20	18	3000	10	25	3/16
HST 241/244	434WN*	1500	30	20	3000	15	27	3/16
-	430CDP	1500	30	24	3000	15	31	3/16
HST 236/237	404WN*	2000	20	20	4000	10	27	7/32
-	700	3000	15	22.5	6000	7.5	26	5/16

The Wyeth-Scott Company

Heavy Duty Two Ton Capacity Models (with double line)

Samsel P/N	Model #	Cable	Weight
HST 226	2-20	20 ft.	25 lbs
HST 231	2-30	30 ft	27 lbs
HST 235	2-35	35 ft	28 lbs
HST 930	2-40	40 ft	29 lbs

Frame, Yoke, Pawls and P-15 Hook are made of Ductile and Malleable Iron. W-10 and H-1 Hooks are Forged Steel. Frame and Yoke Ribbed with 20', 30', 35' or 40' of 5/16" special flexible wire rope on welded reel.



BEEBE SHUR-WORM HAND WINCHES 500 LBS. TO 3000 LBS. AUTOMATIC SELF-LOCKING • WALL MOUNTING

STANDARD FEATURES

- **FOR INTERMITTENT HAND USE—** MODELS W2, W5, W7, W10 OPEN WORM GEAR, DUCTILE IRON FRAMES, CAST IRON DRUMS, CAST STEEL WORMS, STEEL SHAFTS AND LOCK-ON HANDLES. NOT RECOMMENDED FOR POWER OPERATION.
- **FOR HEAVY DUTY HAND USE—** MODELS W100-3, W100-6, W200-5, ENCLOSED GEARING, STEEL FRAMES, MACHINE CUT STEEL WORM AND BRONZE WORM GEAR, FREE SPOOLING.
- **FOR HEAVY DUTY HAND USE OR CONVERT TO INTERMITTENT POWER—** MODELS W100-3P, W100-6P, W200-5P SAME AS ENCLOSED HAND MODELS, BUT WITH ANTI-FRICTION WORM BEARINGS AND DRAG BRAKES TO MAKE MODELS USABLE FOR INTERMITTENT POWER. (NOT FURNISHED WITH FREE-SPOOLING.)
- OPTIONAL GEAR COVER

SPECIFICATIONS

MODEL	CAPACITY 1ST LAYER lbs. (kg)	GEAR RATIO	DRUM CAPACITIES				NET WT.		SHIPPING WT.	
			1/4 ft. (3) (m)	3/16 ft. (5) (m)	1/4 ft. (6) (m)	5/16 ft. (8) (m)	lbs. (kg)	lbs. (kg)		
W2	500 (227)	25:1	119 (36)	54 (16)	25 (8)	15 (6)	17 (7.7)	18 (8)		
W5	750 (340)	25:1	327 (100)	148 (45)	68 (21)	42 (13)	20 (9)	21 (9.5)		
W7	1250 (567)	28:1	815 (248)	338 (103)	198 (60)	122 (37)	55 (25)	57 (26)		
W10	1850 (839)	28:1	980 (299)	405 (123)	237 (72)	146 (45)	56 (25)	59 (27)		
W100-3	1500 (680)	20:1	120 (37)	60 (18)	34 (10)	-	20 (9)	21 (9.5)		
W100-6	1500 (680)	20:1	240 (73)	120 (37)	67 (20)	-	21 (9.5)	22 (10)		
W200-5	3000 (1360)	30:1	560 (171)	253 (77)	135 (41)	96 (29)	48 (22)	51 (23)		

BOLT SIZE: W2, W5, W100, W200 (3/8"), W7 AND W10 (1/2").

NOTE: 'P' MODELS ARE 1/2 INDICATED RATING.

Samsel #
W2 - HST 296 W5 - HST 301 W10 - HST 311

WGCALLS lift, pull, lower, stretch, bend and tighten at any angle... in any position

when used in accordance with accepted rigging practices



1/2 TO 3-TON CAPACITIES

CABLE LENGTHS TO 50 FT.

LIGHTWEIGHT—FROM 7 LBS.

**COMPLETELY PORTABLE
(NO CHAINS TO DRAG)**

SAMSEL #

HST 180 1/2 TON

HST 181 1 1/2 TON / 10'

HST 182 1 1/2 TON / 15'

HST 183 2 TON / 10'

HST 184 3 TON / 7 1/2'

1000-15SH

3000-10SH

3000-30SH

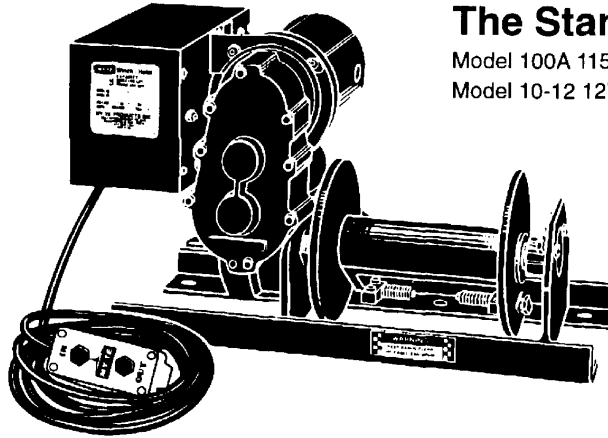
4000-20SH

6000-15SH

*offer unlimited rigging possibilities . . .
and save time and backwork*

**OUR HIGHLY TRAINED STAFF IS AVAILABLE TO ANSWER ANY
OF YOUR QUESTIONS OR PROVIDE YOU WITH PRODUCT OR
SAFETY INFORMATION.**

IF YOU DON'T SEE WHAT YOU NEED CALL US AND ASK.



The Standard Series

Model 100A 115V, 2000 lbs. double-line capacity

Model 10-12 12V, 2500 lbs. double-line capacity

My-te

HST 335

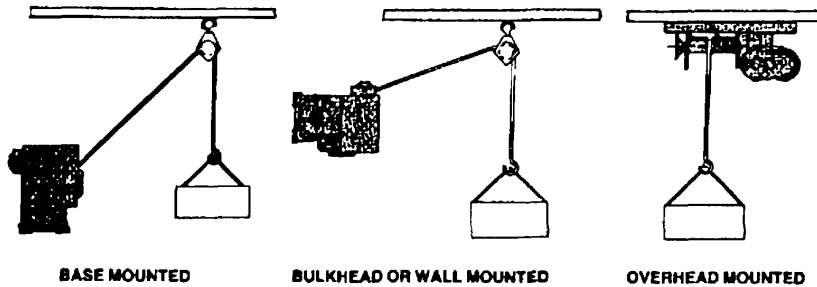
Model 100A shown

Portable yet powerful, these units handle diverse lifting and pulling tasks.

Features:

- Positive load holding
- 65 lbs. for increased portability
- Dynamic Braking (electric)
- Clutch for free wheeling (battery)
- Cable tensioner

Illustrations of Single Line Lifts

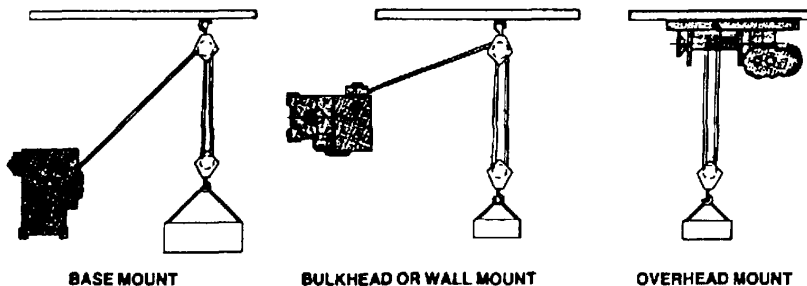


BASE MOUNTED

BULKHEAD OR WALL MOUNTED

OVERHEAD MOUNTED

Illustrations of Double Line Lifts



BASE MOUNT

BULKHEAD OR WALL MOUNT

OVERHEAD MOUNT

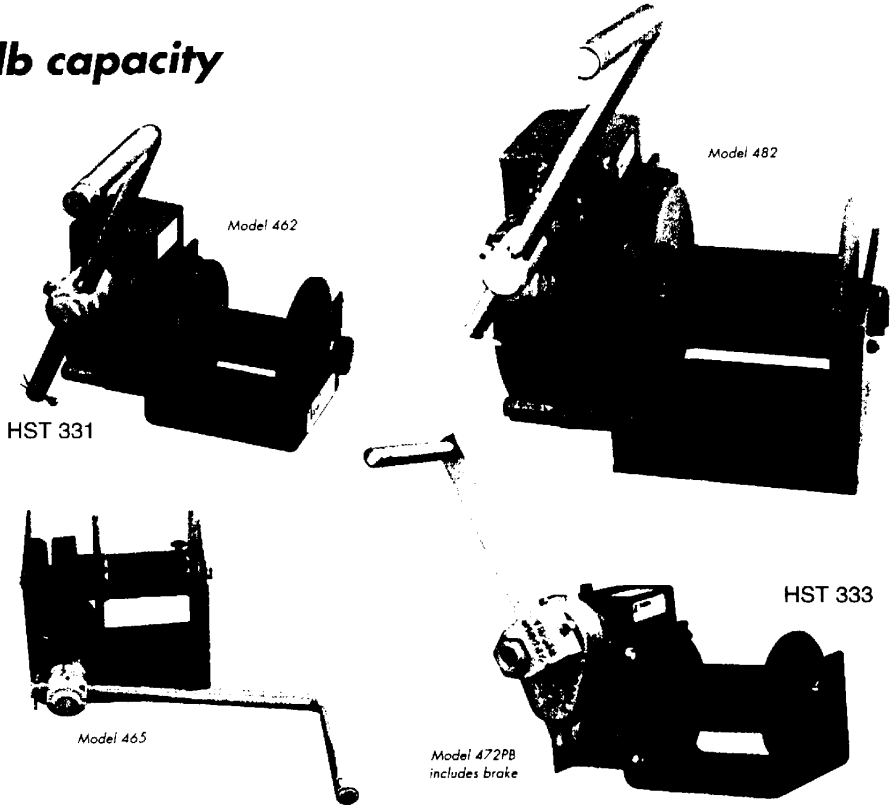


Worm Gear Hand Winches

Models 465 • 462 • 462PB
472 • 472PB • 482 • 482B

750 to 4000 lb capacity

- Machine cut gears deliver reliable operation.
- Automatic brake models available for lifting and lowering.
- Durable paint finish resists corrosion.



We recommend brake models for lifting loads or pulling loads on an incline.
Winch does not include wire rope, order separately.

HST 331 HST 333

specifications	465	462/462PB	472/472PB	482/482B
2nd layer load rating	750 lb	1000 lb	2000 lb	4000 lb
full drum load rating	300 lb	400 lb	1000 lb	2000 lb
drum capacity ¹ - we recommend shaded values for most uses				
1/8 in wire rope	125 ft	125 ft	315 ft	1235 ft
3/16 in wire rope	55 ft	55 ft	140 ft	550 ft
1/4 in wire rope	-	-	75 ft	300 ft
5/16 in wire rope	-	-	50 ft	200 ft
3/8 in wire rope	-	-	-	140 ft
1/2 in wire rope	-	-	-	80 ft
gear ratio	20:1	15:1	24:1	26:1
force to lift 1000 lb ²	21 lb	34 lb	24 lb	31 lb

¹ Actual drum capacities may be 25-30% less, due to nonuniform winding. Tension in the wire rope will also affect drum capacity.

² The handle force required to lift 1000 lb with an empty drum using maximum handle length.

Important!

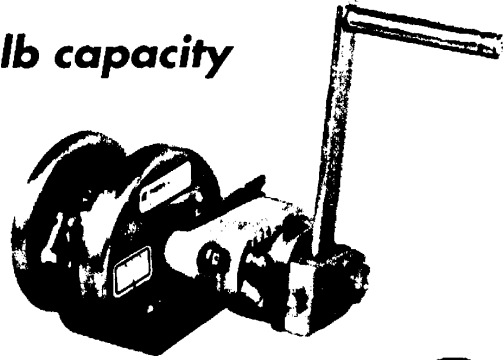
It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it. Thern products are not for lifting people, or things over people.



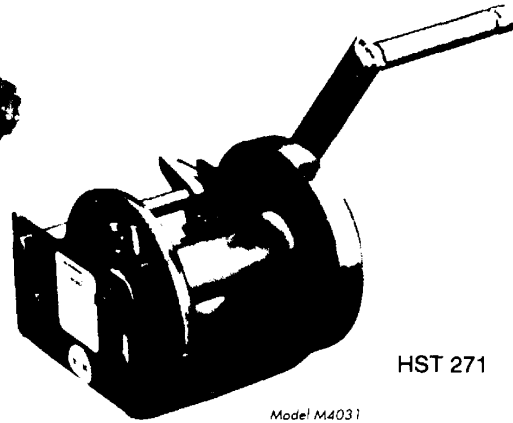
Spur Gear Hand Winches

500 and 1000 lb capacity

- **Machine cut gears deliver reliable operation.**
- **Automatic brake models available for lifting and lowering.**
- **Zinc and iridescent dichromate plating resists corrosion.**

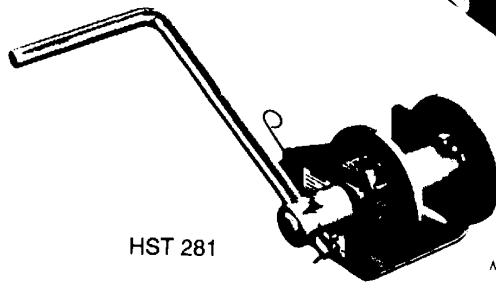


Model M4021PB
includes brake
HST 266



HST 271

Model M4031



HST 281

Model M401

We recommend brake models for lifting loads or pulling loads on an incline. Winch does not include wire rope, order separately.

HST 281 HST 266 HST 271

specifications	M401	M4021/M4021PB	M4031/M4031PB
2nd layer load rating	500 lb	1000 lb	1000 lb
full drum load rating	200 lb	300 lb	300 lb
drum capacity ³ - we recommend shaded values for most uses			
1/8 in wire rope	125 ft	125 ft	250 ft
3/16 in wire rope	55 ft	55 ft	110 ft
gear ratio	-	2.85:1	2.85:1
force to lift 1000 lb ⁴	-	55 lb	55 lb

³ Actual drum capacities may be 25-30% less, due to nonuniform winding. Tension in the wire rope will also affect drum capacity.

⁴ The handle force required to lift 1000 lb with an empty drum.

Important!

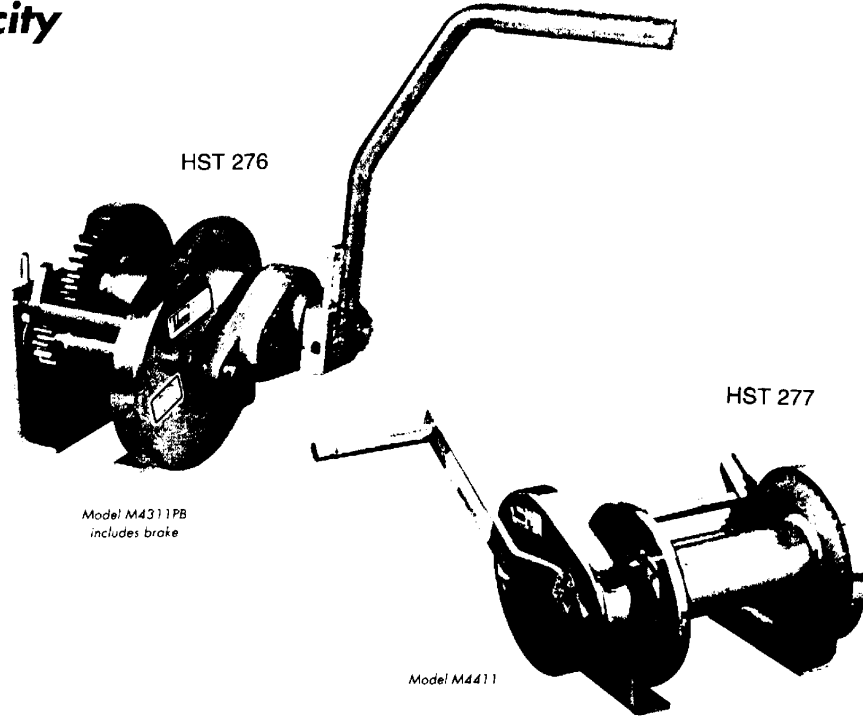
It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it. Thern products are not for lifting people, or things over people.



Spur Gear Hand Winches

2000 lb capacity

- **Machine cut gears deliver reliable operation.**
- **Automatic brake models available for lifting and lowering.**
- **Zinc and iridescent dichromate plating resists corrosion.**



We recommend brake models for lifting loads or pulling loads on an incline. Winch does not include wire rope, order separately.

HST 276 HST 277

specifications	M4311/M4311PB	M4411/M4411PB
2nd layer load rating	2000 lb	2000 lb
full drum load rating	850 lb	850 lb
drum capacity ² - we recommend shaded values for most uses		
1/8 in wire rope	235 ft	470 ft
3/16 in wire rope	105 ft	210 ft
1/4 in wire rope	60 ft	140 ft
5/16 in wire rope	45 ft	90 ft
single gear ratio	3.83:1	3.83:1
double gear ratio	14.7:1	14.7:1
force to lift 1000 lb ³	22 lb	22 lb

¹ Actual drum capacities may be 25-30% less, due to nonuniform winding. Tension in the wire rope will also affect drum capacity.
² The handle force required to lift 1000 lb with an empty drum.

How to Order Wire Rope

The winch does not include wire rope, order separately from the factory or a reputable supplier. The breaking strength of new wire rope should be 3 to 5 times the size of the largest load, depending on the application. Contact a reputable wire rope supplier for more information.

Breaking Strength ⁴ of New 7 x 19 Galvanized Aircraft Cable	
wire rope diameter	breaking strength
1/8 in	2,000 lb
3/16 in	4,200 lb
1/4 in	7,000 lb
5/16 in	9,800 lb

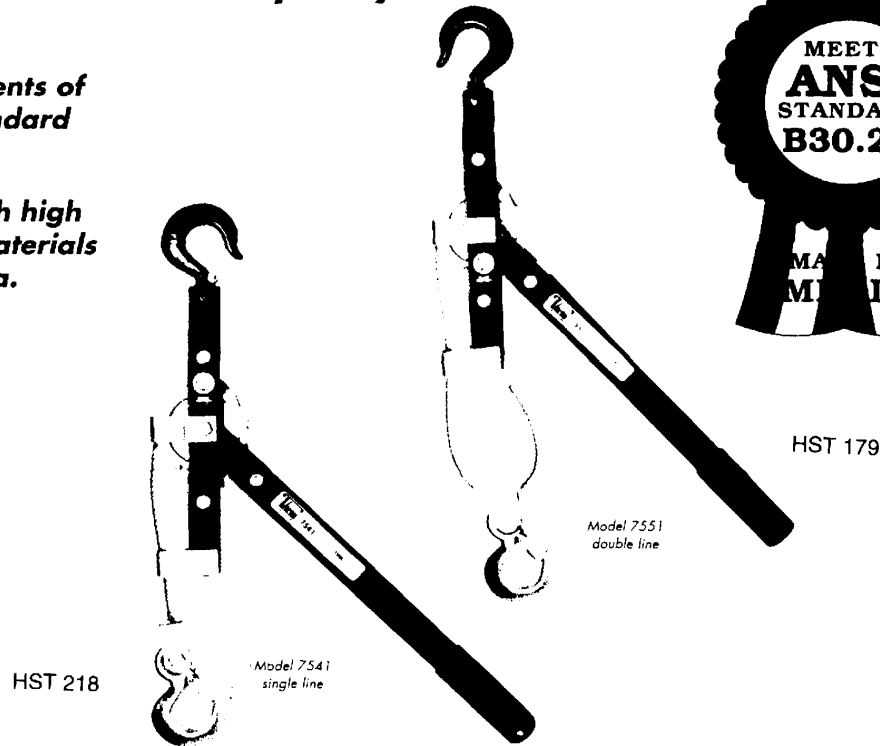
⁴ Values shown are for reference only. When selecting a wire rope, use the breaking strength specified by the rope manufacturer.



**Winchoists
Series 75**

1000 and 2000 lb capacity

- Meets the requirements of ANSI Standard B30.21.
- Made with high quality materials in America.



Sheave blocks are available to convert single line to double line.

HST 218 HST 179

model	7541	7551
load rating	1000 lb	2000 lb
wire rope diameter	3/16 in	3/16 in
wire rope rigging	single line	double line
includes pulley block	no	yes
maximum lift height	15.0 ft	7.5 ft
min. distance between hooks	17 in	20 in
approx. shipping weight	9 lb	10 lb

Important!

It is the owner's or operator's responsibility to determine the suitability of the equipment to its intended use. Study all applicable codes, manuals, and regulations. Be sure to read the Owner's Manual supplied with the equipment before operating it. Thern products are not for lifting people, or things over people.

FULL REVOLVING JIB CRANES

FOR LIGHTER DUTY APPLICATIONS

CQ & PQ 360°

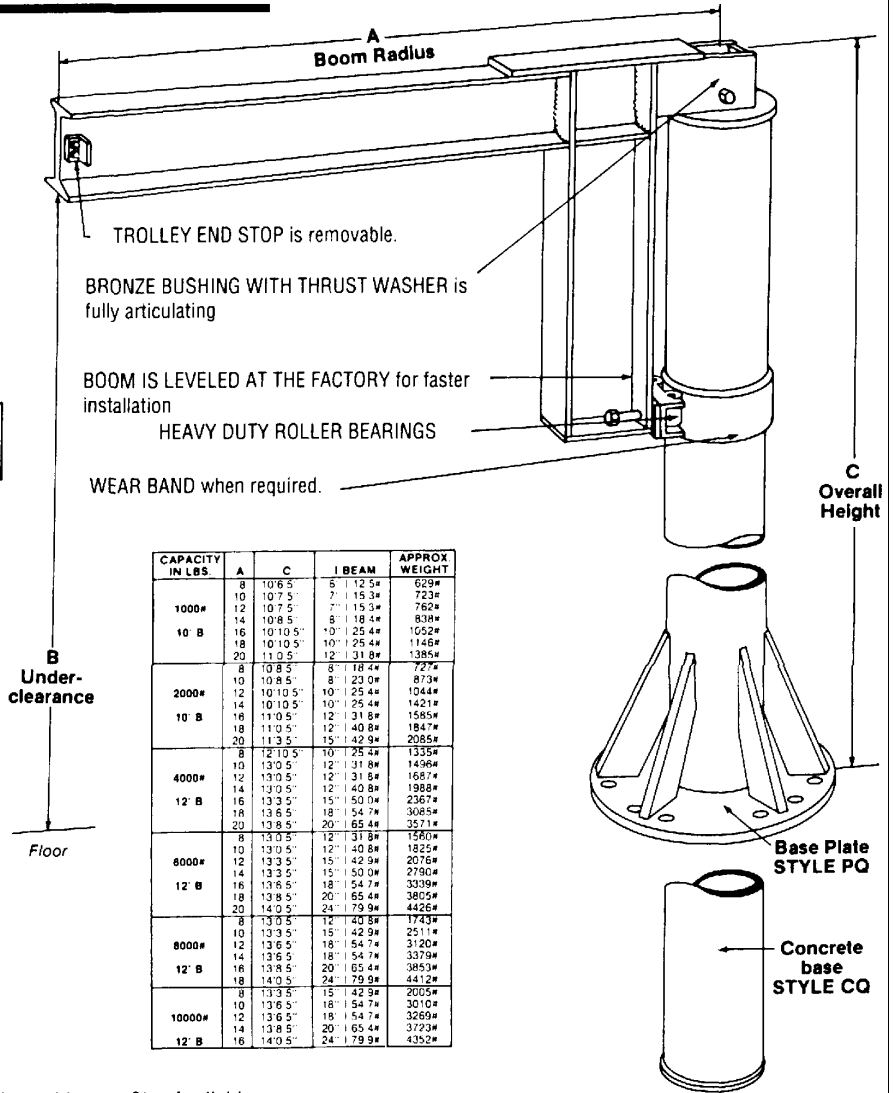
This jib combines the economy of a compression braced swinging bracket style jib with the versatility of the 360° jibs.

OPTIONAL FEATURES:

- Rotation Limit Stops
- Steel Tag Line with "S" Hooks

DAVID ROUND PRODUCTS ARE NOT FOR LIFTING PEOPLE

IT IS MANDATORY THAT A REINFORCED CONCRETE FOUNDATION BE USED FOR MOUNTING THESE JIB CRANES. FOR REQUIREMENTS AND DIMENSIONS CONSULT FACTORY.



CAPACITY IN LBS.	A	C	I BEAM	APPROX WEIGHT
1000#	8	10'6.5"	5" 12.5#	629#
	10	10'7.5"	7" 15.3#	723#
	12	10'7.5"	7" 15.3#	762#
	14	10'8.5"	8" 18.4#	839#
10' B	16	10'10.5"	10" 25.4#	1052#
	18	10'10.5"	10" 25.4#	1146#
	20	11'0.5"	12" 31.8#	1385#
	8	10'8.5"	8" 18.4#	727#
2000#	10	10'8.5"	8" 23.0#	873#
	12	10'10.5"	10" 25.4#	1044#
	14	10'10.5"	10" 25.4#	1421#
	18	11'0.5"	12" 31.8#	1585#
10' B	18	11'0.5"	12" 40.8#	1847#
	20	11'3.5"	15" 42.9#	2085#
	8	12'10.5"	10" 25.4#	1335#
	10	13'0.5"	12" 31.8#	1496#
4000#	12	13'0.5"	12" 31.8#	1687#
	14	13'0.5"	12" 40.8#	1988#
	16	13'3.5"	15" 50.0#	2367#
	18	13.8.5"	18" 54.7#	3085#
20' B	20	13.8.5"	20" 65.4#	3571#
	8	13'0.5"	12" 31.8#	1580#
	10	13'0.5"	12" 40.8#	1825#
	12	13'3.5"	15" 42.9#	2076#
8000#	14	13.3.5"	15" 50.0#	2790#
	16	13.6.5"	18" 54.7#	3339#
	18	13.8.5"	20" 65.4#	3855#
	20	14'0.5"	24" 79.9#	4426#
12' B	8	13'0.5"	12" 40.8#	1743#
	10	13'3.5"	15" 42.9#	2511#
	12	13.6.5"	18" 54.7#	3120#
	14	13.8.5"	18" 54.7#	3379#
8000#	16	13.8.5"	20" 65.4#	3853#
	18	14'0.5"	24" 79.9#	4412#
	8	13'3.5"	15" 42.9#	2005#
	10	13.6.5"	18" 54.7#	3010#
10000#	12	13.6.5"	18" 54.7#	3269#
	14	13.8.5"	20" 65.4#	3723#
	16	14'0.5"	24" 79.9#	4352#

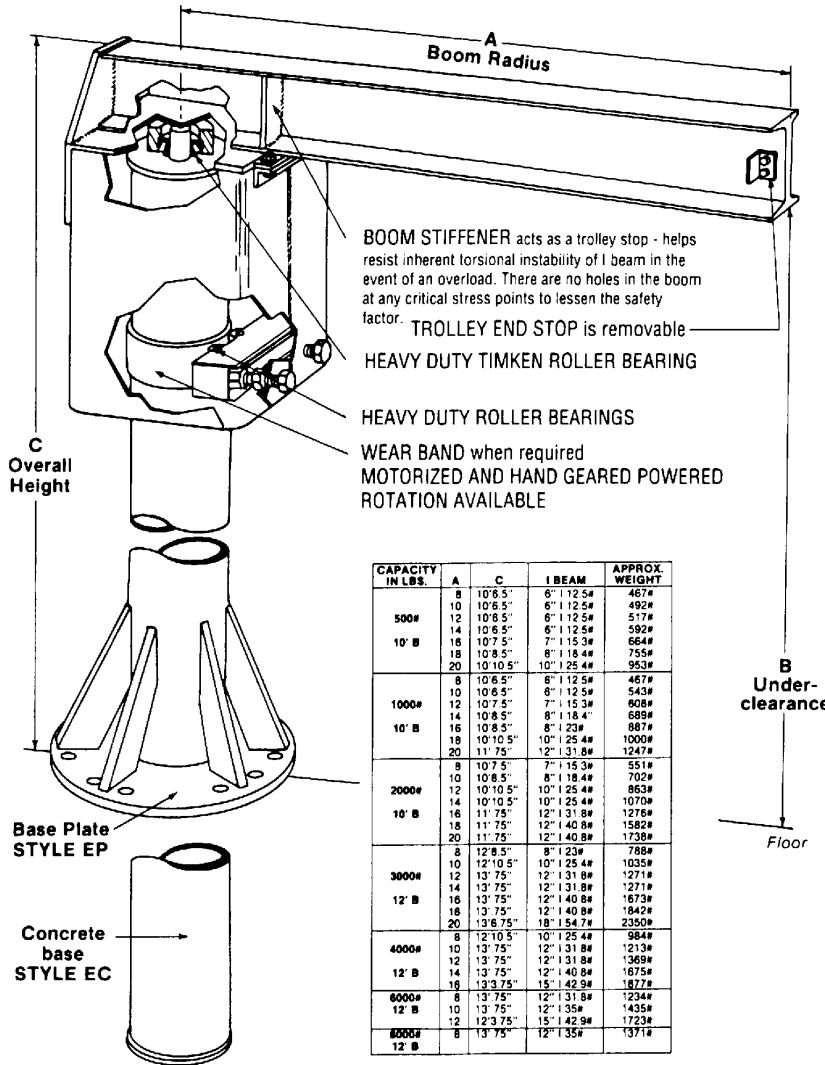
Jib Cranes of Greater Capacity and Larger Size Available

DIMENSIONS MAY VARY due to steel availability and labor/material cost differences. Dimensional drawings will be supplied with each jib crane.

FULL REVOLVING JIB CRANES

STANDARD CAPACITIES TO 5 TON

EC & EP 360° ROTATION



CAPACITY IN LBS.	A	C	I BEAM	APPROX. WEIGHT
500#	8	10'6.5"	6" x 12.5#	467#
	10	10'6.5"	6" x 12.5#	492#
	12	10'6.5"	6" x 12.5#	577#
	14	10'6.5"	6" x 12.5#	592#
10' B	16	10'7.5"	7" x 15.3#	664#
	18	10'8.5"	8" x 18.4#	755#
	18	10'8.5"	8" x 18.4#	953#
	20	10'10.5"	10" x 25.4#	
1000#	8	10'6.5"	6" x 12.5#	467#
	10	10'6.5"	6" x 12.5#	545#
	12	10'7.5"	7" x 15.3#	608#
	14	10'8.5"	8" x 18.4#	689#
10' B	16	10'8.5"	8" x 23#	887#
	18	10'10.5"	10" x 25.4#	1000#
	18	11'7.5"	12" x 31.8#	1247#
	20	11'7.5"	12" x 31.8#	
2000#	8	10'7.5"	7" x 15.3#	551#
	10	10'6.5"	8" x 18.4#	702#
	12	10'10.5"	10" x 25.4#	853#
	14	10'10.5"	10" x 25.4#	1070#
10' B	16	11'7.5"	12" x 31.8#	1276#
	18	11'7.5"	12" x 40.8#	1582#
	18	11'7.5"	12" x 40.8#	1738#
	20	11'7.5"	12" x 40.8#	
3000#	8	12'8.5"	8" x 23#	788#
	10	12'10.5"	10" x 25.4#	1035#
	12	13'7.5"	12" x 31.8#	1271#
	14	13'7.5"	12" x 31.8#	1271#
12' B	16	13'7.5"	12" x 40.8#	1673#
	18	13'7.5"	12" x 40.8#	1842#
	18	13'7.5"	12" x 40.8#	2350#
	20	13'6.75"	18" x 54.7#	
4000#	8	12'10.5"	10" x 25.4#	984#
	10	13'7.5"	12" x 31.8#	1213#
	12	13'7.5"	12" x 31.8#	1369#
	14	13'7.5"	12" x 40.8#	1675#
6000#	16	13'3.75"	15" x 42.9#	1872#
	8	13'7.5"	12" x 31.8#	1234#
	10	13'7.5"	12" x 35#	1435#
	12	12'3.75"	15" x 42.9#	1723#
8000#	8	13'7.5"	12" x 35#	1371#
	12' B			

These jibs incorporate lighter, stiffer sections and components. Light weight saves freight and stiffer sections means less deflection. Stress criteria is still among the most conservative in the industry.

OPTIONAL FEATURES:

- Motorized and hand-gear powered rotation
- Top or bottom entry collectorings for continuous 360° rotation.
- Rotation limit stops
- Steel tag line with "S" hooks

Jib Cranes of Greater Capacity and Larger Size Available

IT IS MANDATORY THAT A REINFORCED CONCRETE FOUNDATION BE USED FOR MOUNTING THESE JIB CRANES. FOR REQUIREMENTS AND DIMENSIONS CONSULT FACTORY.

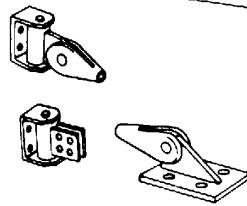
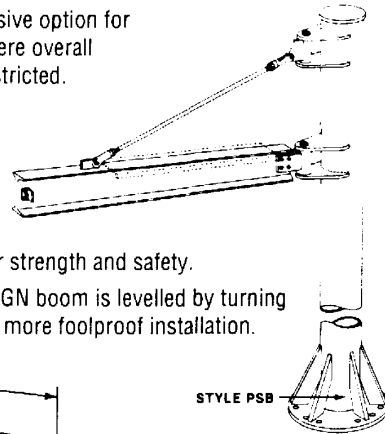
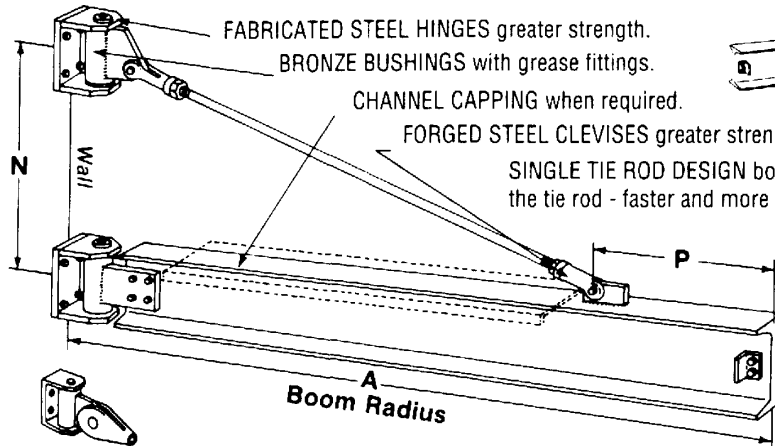
DIMENSIONS MAY VARY due to steel availability and labor/material cost differences. Dimensional drawings will be supplied with each jib crane.

LIMITED ROTATION JIB CRANES

WB, PSB & CSB
220° ROTATION

TO 5 TON

The least expensive option for applications where overall height is not restricted.



WB JIB CRANE KITS

Includes the 3 fittings shown. Crane assembly does not involve any welding. You supply the I beam and/or tie rod. Chart assumes tie rod will be material of 60,000 yield or better (1018 cold rolled bar)

PSB & CSB FLOOR MOUNTED

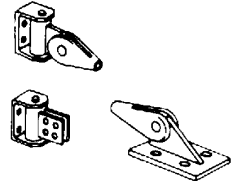
A WB style jib crane mounted on a self-supported mast. This is the least expensive self supported jib crane. Has the same high quality components and specifications as the Wb. Concrete mounted (C-SB) also available.

CAP. IN LBS	A	I BEAM	FIT	TIE ROD DIA	APPROX WEIGHT	CAP IN LBS	A	I BEAM	FIT	TIE ROD DIA	APPROX. WEIGHT
1000#	8	6" 112.5#	1	1.0"	171#	6000#	8	10" 125.4#	3	1.375"	453#
	10	6" 112.5#	1	1.0"	200#		10	10" 125.4#	3	1.375"	511#
	12	6" 112.5#	1	1.0"	228#		12	10" 125.4#	3	1.375"	570#
	14	6" 112.5#	1	1.0"	257#		14	10" 125.4#	3	1.375"	628#
	16	6" 112.5#	1	1.0"	285#		16	10" 125.4#	3	1.375"	690#
	18	6" 112.5#	1	1.0"	315#		18	10" 125.4#	3	1.375"	754#
	20	7" 115.3#	1	1.0"	397#		20	12" 131.8#	3	1.375"	939#
	25	6" 112.5 (C)	1	1.0"	557#		25	12" 131.8 (C)	3	1.375"	1323#
2000#	8	6" 112.5#	1	1.0"	172#	8000#	8	10" 125.4#	3	1.375"	456#
	10	6" 112.5#	1	1.0"	200#		10	10" 125.4#	3	1.375"	515#
	12	6" 112.5#	1	1.0"	230#		12	10" 125.4#	3	1.375"	574#
	14	6" 112.5#	1	1.0"	260#		14	10" 125.4#	3	1.375"	636#
	16	6" 112.5#	1	1.0"	293#		16	10" 125.4#	3	1.375"	709#
	18	7" 115.3#	1	1.0"	369#		18	12" 131.8#	3	1.375"	874#
	20	8" 118.4#	1	1.0"	463#		20	12" 140.8#	3	1.375"	1116#
	25	7" 115.3 (C)	1	1.0"	672#		25	12" 131.8 (C)	3	1.375"	1559#
4000#	8	8" 118.4#	2	1.25	282#	10000#	8	10" 125.4#	3	1.375"	463#
	10	8" 118.4#	2	1.25	325#		10	10" 125.4#	3	1.375"	524#
	12	8" 118.4#	2	1.25	368#		12	10" 125.4#	3	1.375"	584#
	14	8" 118.4#	2	1.25	413#		14	12" 131.8#	3	1.375"	735#
	16	8" 118.4#	2	1.25	460#		16	12" 131.8#	3	1.375"	810#
	18	6" 123.0#	2	1.25	597#		18	12" 135.0#	3	1.375"	950#
	20	10" 125.4#	2	1.25	661#		20	12" 140.8#	3	1.375"	1130#
	25	10" 125.4 (C)	2	1.25	1026#		25	18" 154.7 (C)	3	1.375"	1711#

DIMENSIONS MAY VARY due to steel availability and labor/material cost differences. Dimensional drawings will be supplied with each jib crane.

WB KITS

Predrilled, ready to assemble & mount. Includes all parts shown.



**IF YOU DON'T SEE WHAT YOU NEED...
GIVE US A CALL.**

DOWN'S CRANE & HOIST CO., INC.
LOS ANGELES • CALIFORNIA, U.S.A.

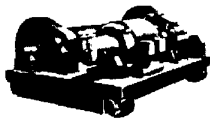


Figure 9-20

ELECTRIC TROLLEY HOIST — For double girder overhead traveling cranes — Floor or cab control — Various lifts and speeds — Caps. to 25 ton — Full ball and roller brg. — Precision cut gears — Furnished complete or without electrical equipment.

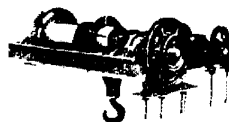


Figure 9-21

TROLLEY HOIST — Hand operated — Cable reeved — For double girder overhead traveling hand cranes — Suitable for standby use where a crane must be provided for an occasional heavy lift — Caps. to 25 ton — Lifts to 50 ft. — Cut gears and roller brgs.



Figure 9-22

PLAIN TROLLEY — For double girder overhead cranes — Styles suitable for deck mounted hoists or for suspending any type of hoist between the crane girders — Motor driven, hand chain operated or plain push type — Roller bearing — Capacities to 25 ton — Girder gauges to suit.

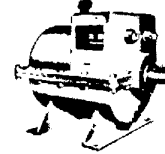


Figure 9-23

AUTOMATIC MECHANICAL LOAD BRAKE — Required to keep lowering hoist load under control — Non-gearred — Direct connected — High speed type — Operates in oil bath — Capacities to 100 H.P.



Figure 9-24

AUTOMATIC MECHANICAL LOAD BRAKE — Load must be driven down — Built in gear reduction — Operates in oil bath — Capacities to 60 H.P. — Brake is mounted on low speed shaft.



Figure 9-25



Figure 9-26

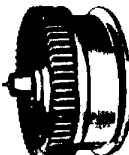


Figure 9-27



Figure 9-28



Figure 9-29



Figure 9-30



Figure 9-31

CRANE WHEEL ASSEMBLIES — Accurately machined treads — Hardened and ground axles — Precision bearings — Machine cut gears — Pressure grease fittings — Diameters to 24 inch — Capacities to 35 ton per wheel — With or without pinion gear and stub shaft — Assembled in styles to suit any crane requirement — Can be furnished in high carbon cast steel, treads may be flame hardened, cast iron, spark proof bronze

CRANE WHEELS — Double Flange — Up to 24 inch dia — High carbon cast steel, iron, spark proof bronze — Furnished rough or machined to specs.

WHEELS — Single flange — High carbon steel, iron, spark proof bronze — To 24 inch dia — Rough, machined or assembled to spec.

WHEELS — Plain tread — Heavy load cap. — 24 inch dia — Furnished rough cast, machined or assembled to spec.

AUTOMATIC MECHANICAL LOAD BRAKE — Dry type — Moderate power and speed — Suitable for hand or power operation — Several application arrangements available.



Figure 9-32

Figure 9-32. FITTINGS—WALL BRACKET JIB CRANE — All steel — Machined pins and bearing surfaces — Provision for pressure lubrication — Capacities to 3 ton — Simply fit a tie rod and piece of beam and you have a jib crane.



Figure 9-33

Figure 9-33. FITTINGS—POST JIB CRANE — All steel — Lower fitting is self aligning ball and socket — Four styles of upper fittings available for mounting either on a ceiling, side wall, horiz. Guy or for erection with stifflegs.



Figure 9-34

FITTINGS—PILLAR JIB CRANE — Welded steel — Roller brg. — Machine roller path and pillar top — Designed for easy assembly to pipe and beam.

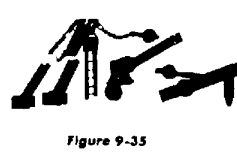


Figure 9-35

FITTINGS—DERRICK — Irons, sheaves, bullwheels — All steel — Any style of derrick — Two or three line operation — Fittings designed and constructed for easy attachment to structural members — Fittings for wood derricks to 10 ton — Steel derricks to 25 ton

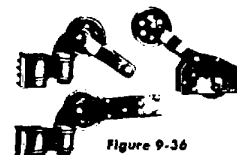


Figure 9-36

FITTINGS—TOWER BOOM — Mount on column or wall — All steel — For wood and steel booms — Plain or roller brgs — Hollow pin for rope to pass thru — For one or two line operation — Cap. to 10 ton.



Figure 9-37

WIRE ROPE DRUMS — Custom built for any service — Smooth drums or any combination of grooving — Flanges, gears or brake drums attached — For any size rope or load — Heavy duty cut gears and pinions — Water cooled brakes and brake rigging — Plain bronze or anti-friction bearings — Steel bearing housings.

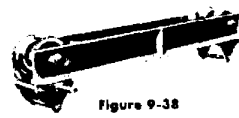


Figure 9-38

TRUCKS — Underhung crane end — For single and double girder underhung cranes — Hand push, hand geared and power driven types — Ball and roller brg. — Wheels to fit standard or wide flange runway beam sections — Capacities to 15 ton per truck.



Figure 9-39

TRUCKS — Crane end — For single and double girder top running cranes — Hand push, hand geared and motor driven types — Heavy duty ball and roller brg. — Wheels and drive gears to suit various operating conditions — Cap. to 60 ton per truck.



Figure 9-40

Figures 9-40 & 9-41. DOWN HAUL WEIGHT — Used where additional weight is required to pull out the hoist line — Furnished with link or with plain or swivel hook — Weights to 350 lbs.



Figure 9-41



Figure 9-42

CHAIN POCKET WHEELS — Chain guides and hand chain for the hand operation of cranes, hoists, valves, bin gates, overhead doors, etc.



Figure 9-43

SHEAVES — For wire rope to 1 1/2 inch — Cast steel or spark proof bronze — Diameters to 30 inch — Furnished rough or machined to specification.



Figure 9-44

LOAD BLOCK — Crane — Heavy duty — Any number of sheaves — Full roller bearing — For any style of reeving — Capacities to 200 ton.



Figure 9-45

FALL BLOCK — Derrick — Heavy const. — Plain or weighted — Bronze bushed or roller brg. — Any number of sheaves — Custom built to 50 ton cap.



Figure 9-46

BLOCKS — Rigging — All steel const. — Any number sheaves, ropes and style of reeving — Bronze bushed or roller brg. — Custom built to 200 ton capacity.



Figure 9-47

CROWN BLOCK — Special — Roller brg. — Special sheave design and const. — For any service requiring the use of wire rope or chain — Various const. materials — Bearings of any type — Special safety features for the protection of both personnel and equipment.

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Figure 9-1
CRANE — Motor operated — Underhung — Single & double girder — Double or multiple trucks — Roller brg. — Wheels to fit any type runway beam — Cap. to 10 ton

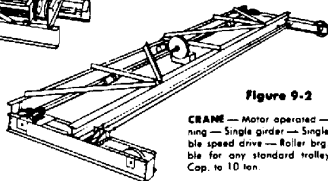


Figure 9-2
CRANE — Motor operated — Top running — Single girder — Single or variable speed drive — Roller brg. — Suitable for any standard trolley hoist — Cap. to 10 ton



Figure 9-3
CRANE — Hand operated — Underhung — Single girder — Geared wheels and pendant hand chain — Roller brg. — Cap. to 10 ton — Also hand push and double girder types

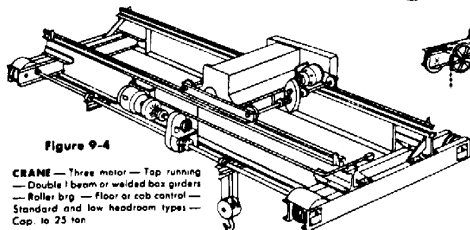


Figure 9-4
CRANE — Three motor — Top running — Double beam or welded box girders — Roller brg. — Floor or cab control — Standard and low headroom types — Cap. to 25 ton

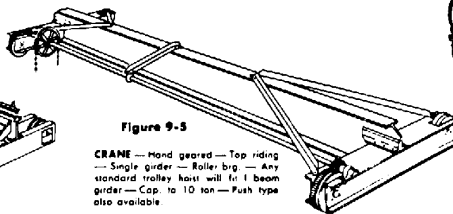


Figure 9-5
CRANE — Hand geared — Top riding — Single girder — Roller brg. — Any standard trolley hoist will fit. I beam girder — Cap. to 10 ton — Push type also available

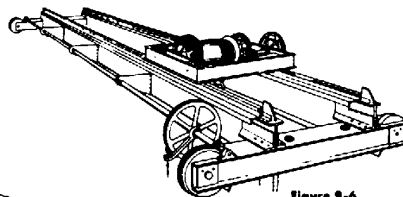


Figure 9-6
CRANE — Hand operated — Top riding — Double girder — For standby service where a heavy duty crane must be constantly available for an occasional lift — To 25 ton cap.

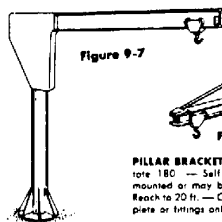
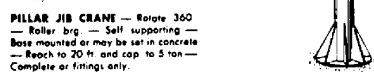


Figure 9-7

Figure 9-8
PILLAR BRACKET JIB CRANE — Rotate 180° — Self supporting — Base mounted or may be set in concrete — Reach to 20 ft. — Cap. to 3 ton — Complete or fittings only



PILLAR JIB CRANE — Rotate 360° — Roller brg. — Self supporting — Base mounted or may be set in concrete — Reach to 20 ft. and cap. to 5 ton — Complete or fittings only

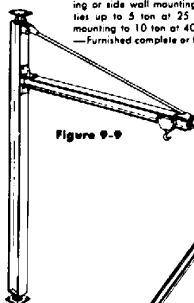


Figure 9-9

POST JIB CRANE — Ball and socket lower fittings — Upper fittings for ceiling or side wall mounting — Capacities up to 5 ton at 25 feet — Guy mounting to 10 ton at 40 foot reach — Furnished complete or fittings only

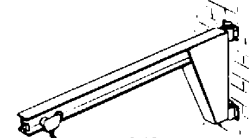


Figure 9-10

WALL BRACKET JIB CRANE — High lift type — Mount on any wall or column — Steel figs. — Plain brg. — Reach to 15 ft. — Cap. to 2 ton — Complete or figs. only

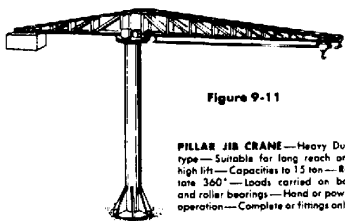


Figure 9-11

PILLAR JIB CRANE — Heavy Duty type — Suitable for long reach and high lift — Capacities to 15 ton — Rotate 360° — Loads carried on ball and roller bearings — Hand or power operation — Complete or fittings only

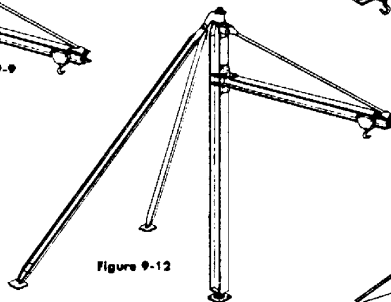


Figure 9-12

POST JIB CRANE — Stiffleg mount — Ball and socket lower fitting — Gooseneck upper fitting — Pin connected stifflegs — Reach to 40 feet — Capacities to 10 ton — Complete or fittings only

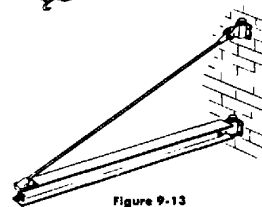


Figure 9-13

WALL BRACKET JIB CRANE — Mount on any wall, post or column — Steel figs. — Plain brg. — Reach to 25 ft. — Cap. to 3 ton — Complete or figs. only

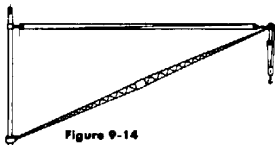


Figure 9-14

TOWER BOOM — (Chicago or Gaff rig) — Wood or steel boom — Steel figs. — Plain & roller brg. — Boom lengths to 100 ft. — Cap. to 10 ton — Complete or figs. only

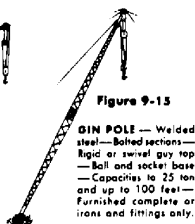


Figure 9-15

DIN POLE — Welded steel — Bolted sections — Rigid or swivel guy top — Ball and socket base — Capacities to 25 ton and up to 100 feet — Furnished complete or irons and fittings only

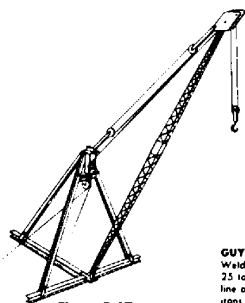


Figure 9-17

JINIWINCK or "A" FRAME DERRICK — Easy to erect and move — Pin connected — Power or hand operated — Booms to 80 feet — Swing 180° — Capacities to 10 ton

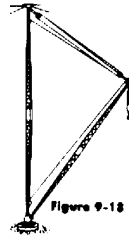


Figure 9-18

GUY DERRICK — Modern design — Welded steel — Bolted sections — To 25 ton cap. and 100 feet — 2 and 3 line operation — Furnished complete or irons and fittings only

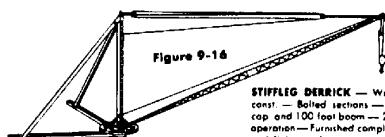


Figure 9-16

STIFFLEG DERRICK — Welded steel construction — Bolted sections — To 25 ton cap. and 100 foot boom — 2 and 3 line operation — Furnished complete or irons and fittings only

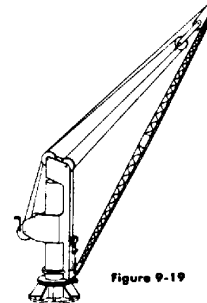


Figure 9-19

PILLAR DERRICK — Base plate mounted on extended pillar to set in concrete — Roller bearing — Hand or power operated — Rotate 360° — Booms to 80 feet — Capacities to 15 ton — Furnished complete

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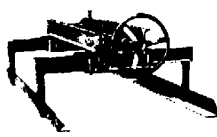


Figure 9-48

SHEET LIFTER—Low headroom type—Easily operated by one man—Suitable for the economical handling of large quantities of material—Adjustable for sheets of various widths—Hand wheel, pendant hand chain or electric motor operated—Capacities to 10 ton.



Figure 9-49

SHEET LIFTER—Parallel arm type—One man operated—Hand wheel or pendant hand chain for adjustment to sheet width—Suitable for handling large quantities bundled or loose sheets—Capacities to 10 ton.



Figure 9-50

SHEET LIFTER—Easy pin adjustment for material of various widths—Will handle loose or bundled sheets—Capacities to 5 ton.



Figure 9-51

SHEET LIFTER—Rigid arm type—Useful where quantities of material to be handled are not large—Suitable for loose sheets or bundles—Capacities to 5 ton.

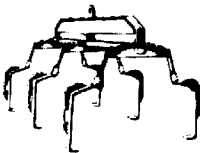


Figure 9-52

SHEET LIFTER—Individual hooks—Adjustable for length and width—Useful where cross damage under the material prohibits the use of other types of lifters—Cap. to 5 ton.



Figure 9-53

SHEET LIFTER—Chain leg type—Easy width adjustment—Suitable for loose sheets or bundles where the quantities are not large—Easily stored in small space—Capacities to 3 ton.



Figure 9-54

TONG—Custom made—Designs suitable for cartons, plywood panels, paper stack, sheet metal, etc.—Sizes and capacities to suit.



Figure 9-55

SHEET CRADLE—Any number of hooks—Loaded and unloaded from side or end—Hooks may be pushed under load—Handles thin sheets, panels, extrusion, etc.—Cap. to 13 ton.



Figure 9-56

COIL HOOKS—For handling any coiled material such as steel, aluminum, brass, etc.—Standard capacities to 1.5 tons—Special sizes and capacities to 50 ton.



Figure 9-57

RAIL TONGS—Stock sizes for all standard rails up to 3 1/2 inch head width—Specials to order for any size rail mode.



Figure 9-58

BEAM TONGS—For fast, safe handling of rolled beam sections—Stock sizes suitable for the lightest to the heaviest sections rolled.



Figure 9-59

GIRDER HOOKS—For handling large fabricated girders—Will save the time usually wasted in rigging and lashing—Capacities to 60 ton.



Figure 9-60

BEAM HANGER CLAMP—Suitable for permanent or temporary installations—Easily placed or removed with a wrench—Will shim to fit all standard beams—Capacities to 5 ton.



Figure 9-61

BILLET TONG—A fully automatic special purpose tong for handling hot billets in a minimum clearance operation by remote control. We handle many assignments of this nature.



Figure 9-62

BILLET TONG—Fitted with runnover jaws for lifting hot billets from a horizontal furnace and rotating to a vertical position for and quenching.



Figure 9-63

Figure 9-63. PIPE TONGS—For pipe, bars, billets and misc. material—Will pick directly off the floor without blocking under—Capacities to 3 tons and 13 inch diameter material.



Figure 9-64

Figure 9-64. PIPE TONGS OR CALIPERS—Close side clearance for handling pipe in narrow trench—Tong is easily removed from pipe without personnel entering the ditch—Capacities to 5 ton—For pipe up to 36 inch dia.



Figure 9-65

BARTONG—For handling finished tubular parts—Contact surfaces may be lined with a variety of soft non-abrasive materials to avoid damaging finished surfaces.

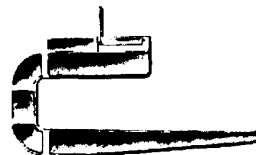


Figure 9-66

HAIRPIN PIPE HOOKS—For handling and installing large pipe—Shifting center for balancing unloaded hook—Stock designs up to 25 ton capacity—Larger sizes to order.

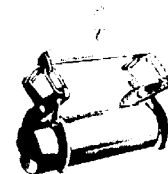


Figure 9-67

BAR TONG—Semi-automatic—For serving heavy rough bar stock to a lathe—One of many special purpose tongs.



Figure 9-68

Figure 9-68. EXPANSION GRIP—For handling roll paper or any similar material with an open core hole—Weight of the load causes toothed shell to slide down on tapered wedges, expanding as it goes, providing a safe grip that increases with the load—Handle is for tripping the mechanism for easy removal from the load.



Figure 9-69

Figure 9-69. TUBE PULLER—For pulling finished tubes thru a tube sheet—Internal expanding type with multiple gripping faces—Will not damage finished surfaces.



Figure 9-70

CYLINDER TONG—A fully automatic tong—Placed on and removed from load by manipulation of the hoist line—Will handle pipe, drums, carper, line, drum or any cylindrical material—Capacities to 5 ton.

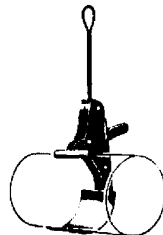


Figure 9-71

Figure 9-71. SHELL TONG—Semi-automatic for the fast production handling of shells, tubes, bars, etc., where the material to be handled is all of approximately the same diameter.

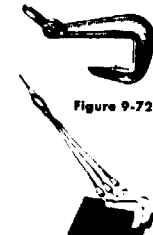


Figure 9-72

Figure 9-72. PIPE END HOOKS—Used on slings, with hooks to be inserted in pipe ends—Hooks are of a special design to avoid damaging finished pipe ends.

Figure 9-73. PIPE HOOK CLUSTER—End hooks assembled on wire ropes for lifting a number of pieces of each lift—Any convenient number of hooks may be used.

Figure 9-73

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Figure 9-74



Figure 9-75

Figure 9-74 & 9-75. SAFETY PLATE GRIPS — Handle steel plates on edge — Cam action — The heavier the load the tighter the grip — Will not damage plates — Capacities up to 10 ton — For plates up to 6 in. thick.



Figure 9-76

Figure 9-76. SCREW PLATE CLAMPS — Manually set with a wrench — Use in any position on plates of shears, rolls, etc. — Cannot be accidentally knocked off — Capacities to 2 1/2 ton for plates to 2 inch thick.



Figure 9-77

OPEN FORKED HOOKS — Suitable for handling a wide variety of material — Simply drop hook into loop of any convenient sling and they are ready for use — Cap. to 6 ton.



Figure 9-78

PLATE AND BEAM HOOKS — Used on a sling over the edges of plates and over end of beams — Handles beams with the web horiz. or vertical — Wedge shaped opening prevents hooks from slipping.



Figure 9-79

PLATE SLING — For large plates and sheets — Hooks wedge firmly on plate — Self adjusting for plate widths up to limit of sling — Capacities to 10 ton.



Figure 9-80

Figure 9-80. DRUM TILTER — Worm geared — Pendant chain or hand wheel operation — Will normally tilt drums thru 135°, may also be fitted for turning and rotating a variety of objects through 360°.

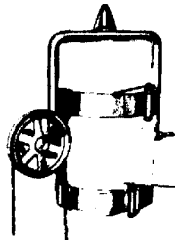


Figure 9-81

Figure 9-81. DRUM TURNER — Worm geared for precise control — Operated with pendant hand chain or hand wheel — Will rotate thru 360° — Adjustable for drums 18 to 24 inch dia. — Capacities to 1000 lbs.

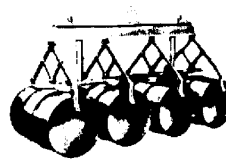


Figure 9-82

HORIZONTAL DRUM GRAB — Fully automatic, load is picked and discharged by the simple manipulation of the hoist — Sizes to handle 2 to 6 drums at each lift — May be fitted for use with a fork truck.

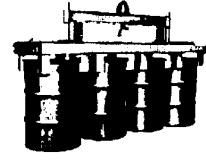


Figure 9-83

VERTICAL DRUM GRAB — Fully automatic, load is picked and discharged by the up and down manipulation of the hoist hook — Sizes to handle 2 to 6 drums at each lift — May be fitted for use with a fork truck.

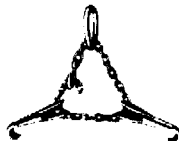


Figure 9-84

DRUM SLING — Spark proof construction — Hooks have 2 1/4" dia. eye — May be used with chain, manila or wire rope sling — These hooks and sling also furnished in plain steel construction.



Figure 9-85

Figure 9-85. DRUM SLING — Hooks suitable for steel and wood drums and barrels — Adjustable for drums 16 to 38 inches long — Will lift in horizontal or tilted position — Capacities up to 1100 lbs.



Figure 9-86

Figure 9-86. DRUM SPREADER — Low headroom type — Easily operated with one hand — Hooks are adjustable — Available in sizes suitable for handling small drums weighing 100 pounds or so up to large chlorine cylinders weighing 1 1/2 tons or more.



Figure 9-87

Figure 9-87. DRUM CHIME TONG — Lift drums in vertical position — Grips on top rim or chime — Operate with one hand — Self adjusting for drums 18 to 24 inches diameter — Capacities to 1000 lbs.

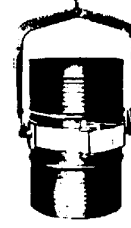


Figure 9-88

Figure 9-88. DRUM TURNER — Non-g geared, manually operated — Adjustable 18" to 24" diameter drums — Capacities to 1000 lbs.

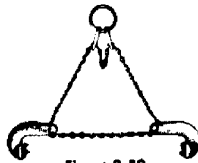


Figure 9-89

SPUR PAD BOX SLINGS — A popular tool for handling boxes, crates or other soft material — Chain length adjustable — Steel slings to 1 ton — Other capacities to 10 ton on wire rope.



Figure 9-90

SPUR PAD HOOKS — Replaceable hardened steel spurs — Used with chain or wire rope slings — For handling boxes and crates — Capacities to 10 ton.

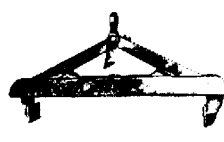


Figure 9-91

BOX TONGS — Fully automatic operation — Engaged and disengaged from load by manipulating the hoist line — Both adjustable and non-adjustable types.



Figure 9-92

BOX TONGS — Trunnioned spur pads — Adjustable for boxes of various sizes — Replaceable hardened steel spurs.



Figure 9-93

BOX TONG — Curved pads are so designed that as long boxes, spurs will contact load at the proper angle over large variation of load width — Replaceable spurs.



Figure 9-94

TRUNNION BAIL — Custom made in a variety of designs and capacities — For handling bins, buckets, ladles, etc.



Figure 9-95

Figure 9-95 & 9-96. WIRE ROPE and CHAIN SLINGS — All styles and constructions — Special types for loads that are hard to handle — Lengths to suit — Equipped with standard or special sling fittings as conditions may require — Capacities suitable for any load to be lifted.



Figure 9-97



Figure 9-98



Figure 9-99

Figure 9-97, 9-98 & 9-99. BELT SLINGS — Strong woven cotton belt will not damage the most fragile loads — Standard widths up to 12", special widths up to 20" — Some widths may be furnished in nylon, dacron and other special material — May be coated with plastic or neoprene — Various end fittings — Special spark proof fittings.



Figure 9-100

Figure 9-100. COMPOSITE BELT SLINGS — Multiple strands of extra flexible wire rope stitched between cotton belt covers — Wire rope is assembled into the sling in one continuous length and arranged to be self equalizing — Removable end fittings — Widths up to 20 inches — Lengths to suit — Capacities up to 25 tons.



Figure 9-101

Figure 9-101. CHAIN BELT SLINGS — Multiple strands of carbon or alloy chain tied together with cross links and assembled into end fittings of ample strength to carry the full rated load with a large factor of safety — Strong, durable and flexible in all directions — Widths up to 30 inches — Lengths to suit — Capacities up to 100 tons.

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BULLETIN NO. G 9



Figure 9-102

PALLET TONG — Suitable for handling pallets, flat panels, sheets, etc. — Hand wheel adjusted for various width material — Capacities to 10 ton.

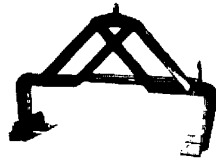


Figure 9-103

PALLET TONG — Semi-automatic — One man operation — Suitable for pallets, panels, cartons, boxes, etc. — Quickly adjusted to various widths — Capacities to 5 ton.



Figure 9-104

PALLET HOOK — Type shown has adjustable forks and sliding balance link — Also available with fixed forks — Multiple forks — Counterweight — Capacities to suit.



Figure 9-105

RUG TONG — Hydraulic operated — Can be arranged for fork truck operation — Design suitable for rugs, carpet, linoleum, pipe, bars, drums, crates, etc. — Capacities to suit.

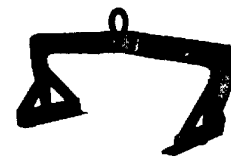


Figure 9-106

TOTE PAN TONG — Features a step to limit the arm travel so as to avoid crushing heavily loaded pans — Similar designs available for handling dies of all weights.



Figure 9-107

ROPE REEVED GRAPPLES — DOUBLE LINE & HOOK-ON types — Styles suitable for handling scrap, trash, roll paper, timber, pulp wood, sugar cane, stone, foundry sand, etc. — Capacities to suit.



Figure 9-108

Figure 9-108 & 9-109. PAPER ROLL GRAB — Electrically operated Single and Two-motor types — One motor to open and close long on the load — Second motor operates turntable to rotate the load into the required position — Designs to handle roll material in either the vertical or horizontal position — Adjustable for a wide variation in roll length and diameter — Capacities to suit.



Figure 9-109



Figure 9-110

END BUCKET SLING — Custom made in any capacity to handle finished bars, shafts, etc. — Also furnished with wire rope slings.

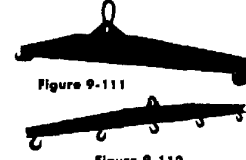


Figure 9-111

Figure 9-112

Figure 9-111 & 9-112. LOAD SPREADERS and STRONG BACKS — Custom made in a large number of designs to suit any loading condition — Any style with lifting capacity to suit.



Figure 9-113



Figure 9-114

Figure 9-113. PILE PULLER — For round wood pile up to 24" dia. and up to 100 ton pulling capacity.

Figure 9-114. ROLLER DOLLY — Single and double roller — Full roller brg. — All steel const. — Capacity to 10 ton.

Figure 9-115. SHEET PILE PULLER — For pulling wood sheet lagging up to 6 inch thick and up to 10 ton pulling capacity.



Figure 9-115



Figure 9-116

CARTON TONGS — For handling paper, cartons and other lightly constructed boxes or bundles.

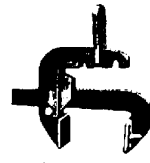


Figure 9-117

RATCHET TONG — Close adjustment to the load over the full range of long opening — Lifting eye adjustable to balance load — Powerful grip — Suitable for handling boxes, timbers, bars, structural shapes, etc.



Figure 9-118

SLAB TONGS — Custom made to suit requirements — Jaws faced with wood, leather, fibre, rubber, etc. — For concrete slabs, stone, glass, etc.



Figure 9-119

Figure 9-119. BAG TONGS — Pinch type for fast handling of sacks, burlap, canvas, etc. — Capacities to 500 lbs.

Figure 9-120. BAG TONGS — For handling paper and burlap bags — Suitable for holding paper bags while the bottom is cut out for rapid dumping of bag contents.



Figure 9-120

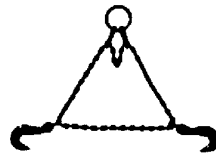


Figure 9-121

DOG HOOK SLING — Designed to carry load on point of hook — Hooks may be purchased separate — Capacities to 5 ton on chain slings and to 24 ton on wire rope slings.



Figure 9-122

TWIN HOOKS — Useful for gathering a number of slings on one hook — Capacities up to 20 ton.



Figure 9-123

DUMP BUCKET — Balanced — Hand trip — Self righting — Friction mounted — One of a number of bucket types available for general industrial use.



Figure 9-124

Figure 9-124. BALE TONG — Friction spur pads — For handling material requiring a low unit pressure under the pads.

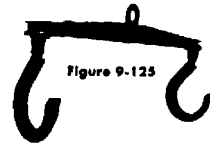


Figure 9-125

Figure 9-125. ROD CRADLE — Spreader and open side hooks — Any number of hooks spaced to suit — For rods, bars, pipe, etc. — Capacities to 15 ton.

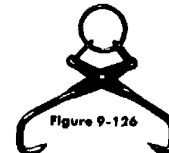


Figure 9-126

Figure 9-126. TIMBER TONG — A light, alloy steel tong — Useful as a general purpose tool.

SPREADER

BULLETIN
NUMBER **203**

BEAMS

SERIES 96-----Rigid Twin Hooks

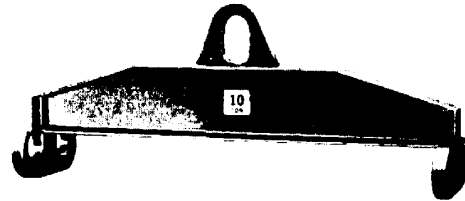
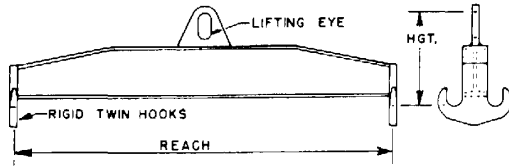
Load Spreaders are used when loads to be lifted on a single hoist must be picked and supported at two or more suspension points.

Listed in this bulletin are two of the more popular types in capacities to twenty tons and lengths or reaches up to twenty feet. These spreaders are assembled to order only from stock fittings and any intermediate reach may be specified.

The spreaders as listed may be ordered with extra

hooks or fittings installed on the beam for additional load support. When so ordered the hook spacing must be specified and also the type of hook or fitting if other than the standard shown.

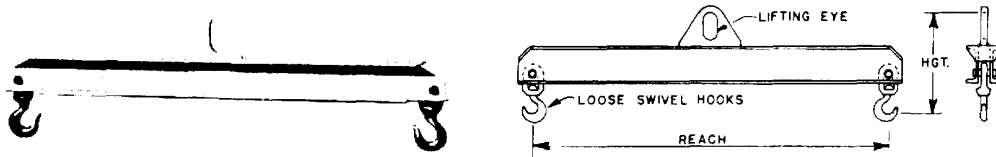
Load spreaders can be furnished in a large number of practical designs to suit any lifting or handling condition. Longer reaches, large capacities and other special constructions will be quoted on request.



CAP. TONS	ITEM NO.	REACH - FEET																		LIFTING EYE DIMS.	HOOK OPENING INCHS.
		2'-0"	3'-0"	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	12'-0"	14'-0"	16'-0"	18'-0"	20'-0"						
1/4	96-5-2	96-5-3	96-5-4	96-5-5	96-5-6	96-5-7	96-5-8	96-5-9	96-5-10	96-5-12	96-5-14	96-5-16	96-5-18	96-5-20	2 x 3"	1 1/4"					
	HGT.	9"	9"	9"	9"	9"	9"	9"	9"	10"	10"	10"	11"	11"							
	WGT.	21	27	32	38	44	49	55	62	68	105	120	135	190			210				
1/2	96-10-2	96-10-3	96-10-4	96-10-5	96-10-6	96-10-7	96-10-8	96-10-9	96-10-10	96-10-12	96-10-14	96-10-16	96-10-18	96-10-20	2 x 3"	1 1/4"					
	HGT.	9"	9"	9"	9"	9"	9"	9"	10"	10"	11"	11"	12"	12"							
	WGT.	22	30	34	40	45	50	60	80	86	110	150	210	235			315				
1	96-20-2	96-20-3	96-20-4	96-20-5	96-20-6	96-20-7	96-20-8	96-20-9	96-20-10	96-20-12	96-20-14	96-20-16	96-20-18	96-20-20	2 x 3"	1 1/4"					
	HGT.	9"	9"	9"	10"	10"	10"	11"	11"	12"	12"	13"	14"	15"							
	WGT.	23	30	35	50	60	65	90	100	110	160	225	255	340			520				
1 1/2	96-30-2	96-30-3	96-30-4	96-30-5	96-30-6	96-30-7	96-30-8	96-30-9	96-30-10	96-30-12	96-30-14	96-30-16	96-30-18	96-30-20	2 1/2 x 4"	1 1/2"					
	HGT.	10"	10"	11"	11"	12"	12"	13"	13"	14"	15"	15"	17"	17"							
	WGT.	24	32	45	55	75	85	95	125	140	196	270	310	470			530				
2	96-40-2	96-40-3	96-40-4	96-40-5	96-40-6	96-40-7	96-40-8	96-40-9	96-40-10	96-40-12	96-40-14	96-40-16	96-40-18	96-40-20	2 1/2 x 4"	1 1/2"					
	HGT.	10"	11"	11"	12"	12"	13"	13"	14"	15"	15"	17"	17"	19"							
	WGT.	28	40	48	65	80	100	115	125	170	235	275	420	477			650				
3	96-60-2	96-60-3	96-60-4	96-60-5	96-60-6	96-60-7	96-60-8	96-60-9	96-60-10	96-60-12	96-60-14	96-60-16	96-60-18	96-60-20	3 x 5"	2 1/4"					
	HGT.	13"	14"	14"	15"	15"	16"	16"	17"	19"	19"	21"	21"	21"							
	WGT.	50	65	75	98	110	140	160	175	220	340	390	545	610			850				
5	96-100-2	96-100-3	96-100-4	96-100-5	96-100-6	96-100-7	96-100-8	96-100-9	96-100-10	96-100-12	96-100-14	96-100-16	96-100-18	96-100-20	3 x 5"	2 1/4"					
	HGT.	14"	15"	16"	16"	17"	17"	19"	19"	19"	21"	21"	21"	23"							
	WGT.	80	75	95	110	145	165	240	265	290	355	480	690	770			895				
7 1/2	96-150-2	96-150-3	96-150-4	96-150-5	96-150-6	96-150-7	96-150-8	96-150-9	96-150-10	96-150-12	96-150-14	96-150-16	96-150-18	96-150-20	4 x 7"	2 1/2"					
	HGT.	18"	19"	20"	20"	22"	22"	24"	24"	24"	26"	26"	26"	28"							
	WGT.	110	125	150	170	230	255	280	365	395	460	650	765	1175			1296				
10	96-200-2	96-200-3	96-200-4	96-200-5	96-200-6	96-200-7	96-200-8	96-200-9	96-200-10	96-200-12	96-200-14	96-200-16	96-200-18	96-200-20	4 x 7"	2 1/2"					
	HGT.	19"	20"	22"	22"	24"	24"	24"	24"	26"	26"	26"	28"	28"							
	WGT.	110	135	180	205	238	300	335	372	485	560	680	1055	1184			1340				
15	96-300-2	96-300-3	96-300-4	96-300-5	96-300-6	96-300-7	96-300-8	96-300-9	96-300-10	96-300-12	96-300-14	96-300-16	96-300-18	96-300-20	5 x 8"	3"					
	HGT.	23"	25"	25"	27"	27"	27"	29"	29"	29"	29"	29"	32"	32"							
	WGT.	195	235	260	315	350	445	480	540	585	690	1010	1405	1560			1915				
20	96-400-2	96-400-3	96-400-4	96-400-5	96-400-6	96-400-7	96-400-8	96-400-9	96-400-10	96-400-12	96-400-14	96-400-16	96-400-18	96-400-20	5 x 8"	3"					
	HGT.	25"	25"	27"	27"	27"	27"	29"	29"	29"	29"	29"	32"	34"							
	WGT.	210	235	290	360	475	530	580	635	765	1095	1250	1550	1740			2075				

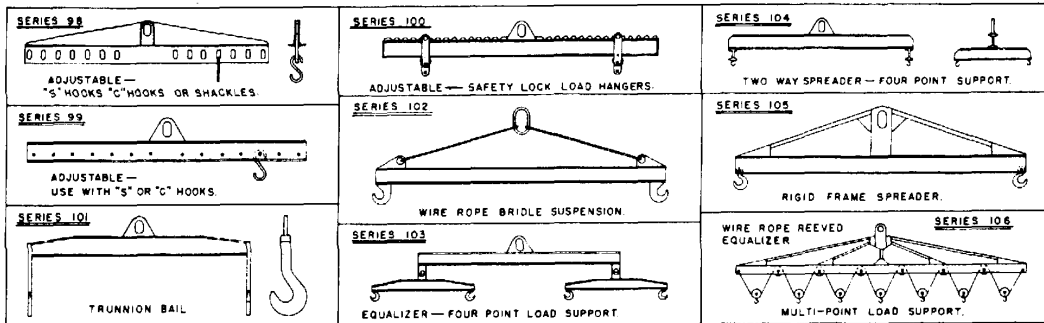
DOWN'S CRANE & HOIST CO., INC.

SERIES 97 ----- Loose Swivel Hooks

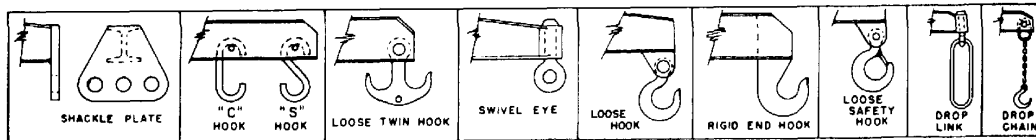


CAP TONS	REACH - FEET																		LIFTING EYE DIMS.	HOOK OPENING INCHS.
	2-0"	3-0"	4-0"	5-0"	6-0"	7-0"	8-0"	9-0"	10-0"	12-0"	14-0"	16-0"	18-0"	20-0"						
1/4	ITEM N ^o	97-5-2	97-5-3	97-5-4	97-5-5	97-5-6	97-5-7	97-5-8	97-5-9	97-5-10	97-5-11	97-5-12	97-5-14	97-5-16	97-5-18	97-5-20				
	HGT	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	12"	12"	12"	12"	2 X 3"	1 1/8"		
1/2	ITEM N ^o	97-10-2	97-10-3	97-10-4	97-10-5	97-10-6	97-10-7	97-10-8	97-10-9	97-10-10	97-10-11	97-10-12	97-10-14	97-10-16	97-10-18	97-10-20				
	HGT	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	11"	12"	12"	13"	13"	2 X 3"	1 1/8"		
1	ITEM N ^o	97-20-2	97-20-3	97-20-4	97-20-5	97-20-6	97-20-7	97-20-8	97-20-9	97-20-10	97-20-11	97-20-12	97-20-14	97-20-16	97-20-18	97-20-20				
	HGT	11"	11"	11"	11"	12"	12"	12"	12"	12"	12"	12"	14"	14"	15"	16"	2 X 3"	1 1/8"		
1 1/2	ITEM N ^o	97-30-2	97-30-3	97-30-4	97-30-5	97-30-6	97-30-7	97-30-8	97-30-9	97-30-10	97-30-11	97-30-12	97-30-14	97-30-16	97-30-18	97-30-20				
	HGT	13"	13"	14"	14"	14"	15"	15"	15"	15"	16"	16"	17"	18"	18"	19"	2 1/2 X 4"	1 1/4"		
2	ITEM N ^o	97-40-2	97-40-3	97-40-4	97-40-5	97-40-6	97-40-7	97-40-8	97-40-9	97-40-10	97-40-11	97-40-12	97-40-14	97-40-16	97-40-18	97-40-20				
	HGT	13"	14"	14"	14"	15"	15"	15"	16"	16"	16"	16"	18"	18"	18"	19"	2 1/2 X 4"	1 1/4"		
3	ITEM N ^o	97-60-2	97-60-3	97-60-4	97-60-5	97-60-6	97-60-7	97-60-8	97-60-9	97-60-10	97-60-11	97-60-12	97-60-14	97-60-16	97-60-18	97-60-20				
	HGT	16"	16"	17"	17"	17"	17"	18"	18"	18"	18"	19"	21"	21"	23"	23"	3 X 5"	1 1/2"		
5	ITEM N ^o	97-100-2	97-100-3	97-100-4	97-100-5	97-100-6	97-100-7	97-100-8	97-100-9	97-100-10	97-100-11	97-100-12	97-100-14	97-100-16	97-100-18	97-100-20				
	HGT	18"	19"	19"	20"	20"	21"	21"	22"	22"	23"	23"	25"	25"	28"	28"	3 X 5"	1 3/8"		
7 1/2	ITEM N ^o	97-150-2	97-150-3	97-150-4	97-150-5	97-150-6	97-150-7	97-150-8	97-150-9	97-150-10	97-150-11	97-150-12	97-150-14	97-150-16	97-150-18	97-150-20				
	HGT	22"	23"	24"	25"	26"	26"	27"	27"	29"	29"	31"	31"	31"	31"	31"	4 X 7"	2 1/4"		
10	ITEM N ^o	97-200-2	97-200-3	97-200-4	97-200-5	97-200-6	97-200-7	97-200-8	97-200-9	97-200-10	97-200-11	97-200-12	97-200-14	97-200-16	97-200-18	97-200-20				
	HGT	24"	25"	26"	27"	28"	28"	29"	29"	32"	32"	32"	32"	32"	35"	35"	4 X 7"	2 1/2"		
15	ITEM N ^o	97-300-2	97-300-3	97-300-4	97-300-5	97-300-6	97-300-7	97-300-8	97-300-9	97-300-10	97-300-11	97-300-12	97-300-14	97-300-16	97-300-18	97-300-20				
	HGT	31"	33"	34"	36"	36"	36"	39"	39"	39"	39"	39"	39"	42"	42"	42"	5 X 9"	3 1/2"		
20	ITEM N ^o	97-400-2	97-400-3	97-400-4	97-400-5	97-400-6	97-400-7	97-400-8	97-400-9	97-400-10	97-400-11	97-400-12	97-400-14	97-400-16	97-400-18	97-400-20				
	HGT	32"	34"	36"	36"	38"	38"	38"	38"	38"	41"	41"	41"	42"	42"	42"	5 X 9"	3 3/8"		
	WGT	210	260	340	385	600	665	738	810	880	1200	1395	1815	2460	2930					

SPECIAL SPREADERS



SPECIAL END FITTINGS



We reserve the right to change design at any time when in our opinion the product may be improved thereby. Weights as given are approximate and may vary. Capacities given have been carefully calculated and proven in use; they are submitted without assuming any responsibility beyond the original price of the merchandise.



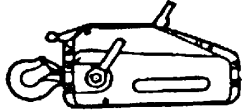
griphoist®/tirfor® T500

**industrial wire rope hoists
for unlimited lifts and pulls**

The T-500 series is a compact, lightweight, industrial grade wire rope hoist for multiple lifting and pulling applications. Great for any job where a long lift or pull is required.

model	T-508	T-516	T-532
lifting capacity – lbs. (kg)	2000(900)	4000(1800)	8000(3600)
diameter of wire rope – in.(mm)	5/16(8.3)	7/16(11.5)	5/8(16.3)
weight – lbs. (kg)	14.5(6.6)	30(13.5)	51(24)
standard wire rope length* – ft. (m)	30(9)	60(18)	30(9)

* longer lengths available on request



griphoist®/tirfor® TU

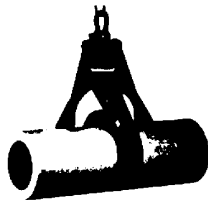
**heavy duty wire rope hoists
for unlimited lifts and pulls**

The versatile TU-Series hoist is great for all heavy duty lifting and pulling applications. Suitable for thousands of jobs in the construction, scaffolding*, forestry, rigging and material handling industries.

model	TU-17	TU-28	TU-32
mat. handling capacity – lbs. (kg)	2000(800)	4000(1600)	8000(3200)
diameter of wire rope – in.(mm)	5/16(8.3)	7/16(11.5)	5/8(16.3)
weight – lbs. (kg)	18.5(8.4)	41(20)	59.5(27)
Standard wire rope length – ft. (m)**	30(9)	60(18)	30(9)

* UL classified for manriding

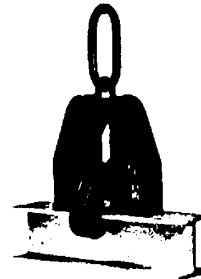
** longer lengths available on request



CLAMP-CO. PIPE GRABS

Cast Iron Pipe Sizes

Model No.	Pipe O.D. (inches)	Working Load Limit (pounds)	Weight (pounds)
C-3	4.0	450	7
C-4	4.8	800	9
C-6	6.9	1000	15
C-8	9.05	1400	25
C-10	11.1	2000	47
C-12	13.2	2500	72
C-14	15.3	3500	105
C-16	17.4	4000	130
C-18	19.5	5000	170
C-20	21.6	6500	210
C-24	25.8	7000	225



CLAMP-CO. BEAM CLAMPS

Steel Pipe Sizes

Model No.	Pipe O.D. (inches)	Working Load Limit (pounds)	Weight (pounds)
S-3	3.5	450	7
S-4	4.5	800	9
S-6	6.83	1000	15
S-8	8.63	1400	25
S-10	10.75	2000	47
S-12	12.75	2500	72
S-14	14.0	3500	105
S-16	16.0	4000	130
S-18	18.0	5000	170
S-20	20.0	6500	210
S-24	24.0	7000	225

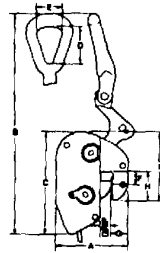
Model No.	Working Load Limit (tons)	Flange Grip width range/depth	Wt./lbs.	
F-5	5	4" to 10"	1"	51
F-15	15	7" to 17"	2"	125
*NS-15	15	7" to 17"	2"	120
F-25	25	16" to 24"	3"	244
*NS-25	25	16" to 24"	3"	234
F-35	35	16" to 36"	4"	495
*NS-35	35	16" to 36"	4"	484

**"NS" Models have cut-outs in the bases to avoid interference with Nelson Studs

WARNING DO NOT EXCEED WORKING LOAD LIMIT.

WARNING DO NOT EXCEED WORKING LOAD LIMIT.

Locking "MK" Clamps

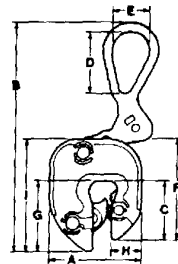
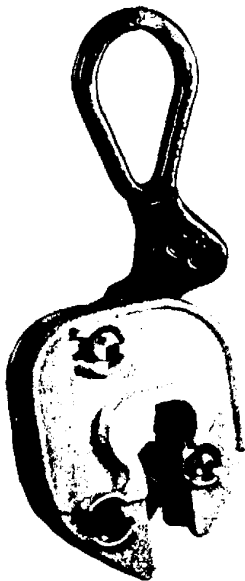


This clamp locks open or closed with a simple lever and is available with Working Load Limits from $\frac{1}{2}$ to 2 tons. The locking system employs a patented, long life spring. The thin leg of the "MK" clamp permits close stacking. Its drop forged, heat treated parts are fully protected by the clamp body.

Note: Be sure clamp is in locked closed position before making lift. For chain sling application, use the chain connector.

Merrill Model Number	Cat No	Working Load Limit* Tons/k	Grip Range "/mm	Dimensions, inches										Thick-ness	Weight, Pounds
				A	B	C	D	E	F	G	H	I			
55MK	642-0501	$\frac{1}{2}$ 454	0- $\frac{1}{2}$ /0-16	4 $\frac{1}{2}$	11 $\frac{1}{2}$	5 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	6 $\frac{1}{2}$
21MK	642-0502	1/907	0- $\frac{1}{2}$ /0-19	5 $\frac{1}{2}$	16 $\frac{1}{2}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	2 $\frac{1}{2}$	5 $\frac{1}{2}$	3	12 $\frac{1}{2}$
22MK	642-0503	2/1814	0-1/0-25	6 $\frac{1}{2}$	17 $\frac{1}{2}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	1 $\frac{1}{2}$	3	6	3	14	

New "GX" Clamps



The most exclusive feature of the "GX" clamp is its patented wear indicator system. When any of the cam's straight line, convex teeth are flattened between the unique wear indicator grooves, it's time to change the cam.

(Note: The pad should be replaced at the same time.)

The "GX" clamp is currently available in five capacities: $\frac{1}{2}$ -, 1-, 3-ton, 5-ton and 10-ton. The "GX" can be used for both vertical and horizontal-to-vertical lifting.

The shackle and "G" link have been combined into one part in the "GX" clamps, so there are fewer stress points and less chance of side loading damage. The pad swivels, so it remains in constant contact with the work face of the load, even when the load is being turned through 180°.

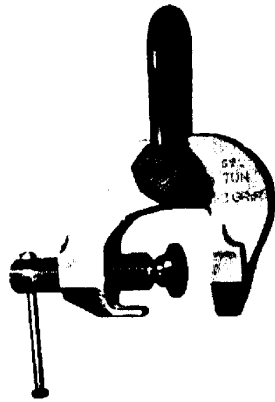
The throat of the clamp is wider at the back. This eliminates "wedging" and makes it easier to insert the plate to the full depth of the throat. Also, the back of the throat has a beam design for greater strength relative to clamp weight. Because the cam is spring-loaded it remains engaged under "no load" conditions. This is especially important for turning plates from horizontal to vertical.

The Merrill "GX" clamp is entirely drop forged and heat treated. Gripping surfaces are of case-hardened alloy steel. The working mechanism is entirely enclosed for protection.

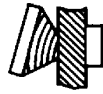
Cat. No.	Working Load Limit* Tons/k	Grip Range "/mm	Dimensions, inches										Thick-ness	Weight, Pounds
			A	B	C	D	E	F	G	H	I			
642-3000	$\frac{1}{2}$ 454	$\frac{1}{2}$ -1/1-16	4	9 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2	4 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$	4	
642-3920	$\frac{1}{2}$ 454	$\frac{1}{2}$ -1 $\frac{1}{2}$ /16-28	5	9 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2	4 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$	4 $\frac{1}{2}$	
642-3921	$\frac{1}{2}$ 454	$\frac{1}{2}$ -1 $\frac{1}{2}$ /28-41	5 $\frac{1}{2}$	9 $\frac{1}{2}$	2 $\frac{1}{2}$	2 $\frac{1}{2}$	2	4 $\frac{1}{2}$	2 $\frac{1}{2}$	1 $\frac{1}{2}$	4 $\frac{1}{2}$	1 $\frac{1}{2}$	5	
642-3005	1/907	$\frac{1}{2}$ -1/1-19	4 $\frac{1}{2}$	11 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	5	3 $\frac{1}{2}$	1 $\frac{1}{2}$	5 $\frac{1}{2}$	2 $\frac{1}{2}$	8	
642-3923	1/907	$\frac{1}{2}$ -1 $\frac{1}{2}$ /19-35	5 $\frac{1}{2}$	11 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	5	3 $\frac{1}{2}$	2 $\frac{1}{2}$	5 $\frac{1}{2}$	2 $\frac{1}{2}$	8 $\frac{1}{2}$	
642-3924	1/907	$\frac{1}{2}$ -2/35-51	6 $\frac{1}{2}$	11 $\frac{1}{2}$	3 $\frac{1}{2}$	3 $\frac{1}{2}$	2 $\frac{1}{2}$	5	3 $\frac{1}{2}$	2 $\frac{1}{2}$	5 $\frac{1}{2}$	2 $\frac{1}{2}$	9	
642-3010	3/2722	$\frac{1}{2}$ -1/1-25	6	14	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3	6 $\frac{1}{2}$	4 $\frac{1}{2}$	2	7 $\frac{1}{2}$	2 $\frac{1}{2}$	17	
642-3925	3/2722	1-1 $\frac{1}{2}$ /25-44	7 $\frac{1}{2}$	14	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3	6 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	18	
642-3926	3/2722	$\frac{1}{2}$ -2/44-64	8	14	3 $\frac{1}{2}$	3 $\frac{1}{2}$	3	6 $\frac{1}{2}$	4 $\frac{1}{2}$	2 $\frac{1}{2}$	7 $\frac{1}{2}$	2 $\frac{1}{2}$	20	
642-3015	5/4536	$\frac{1}{2}$ -2/13-51	8 $\frac{1}{2}$	20	4 $\frac{1}{2}$	5	3 $\frac{1}{2}$	8 $\frac{1}{2}$	5 $\frac{1}{2}$	3 $\frac{1}{2}$	9 $\frac{1}{2}$	3 $\frac{1}{2}$	40	
642-3020	10/9072	$\frac{1}{2}$ -2/13-64	14 $\frac{1}{2}$	30	7 $\frac{1}{2}$	7 $\frac{1}{2}$	5	13 $\frac{1}{2}$	10 $\frac{1}{2}$	4 $\frac{1}{2}$	16 $\frac{1}{2}$	4 $\frac{1}{2}$	143	

*WARNING: Do not exceed Working Load Limit.

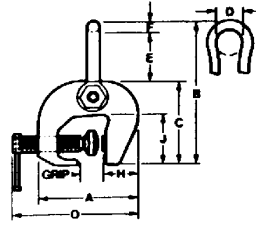
SAC (Screw-Adjusted Cam) Plate Clamps



Cam position under no load.



Cam under load. The heavier the load, the greater the bite.



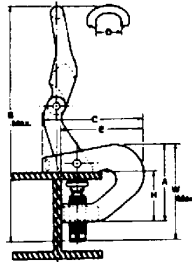
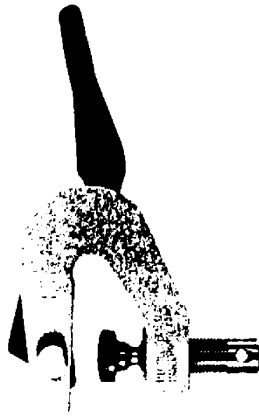
The SAC clamp is recommended for turning plates from horizontal to vertical as well as through a 180° arc. The convex, serrated cam of this clamp swivels on a ball joint so that the area of cam

engagement increases as the load increases. The SAC clamp has a drop forged body and shackle. Wider grips and higher Working Load Limits (to 200 tons) are available on special order.

Merrill Part Number	Cat. No	Working Load Limit,* Tons/k	Grip Range, */mm	Dimensions, inches										Body Thickness	Weight, Pounds
				A	B	C	D	E	F	H	J	O**			
SAC-1	642-1000	1/454	0-1/0.25	5½	7½	4	1½	2½	½	1½	2½	6½	1½	6½	
SAC-3	642-1001	3/2722	0-2/0.51	7½	10½	6½	1½	3½	½	2½	3½	9½	2½	14½	
SAC-6	642-1002	6/5443	0-3/0.76	10	14½	8½	3½	4½	½	3	4½	12	2½	40	

**At 0° grip

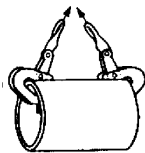
Multi-Purpose SAC Clamps



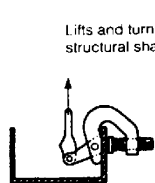
This patented clamp offers the same superior gripping features as the SAC Plate Clamp with the added benefit of a swiveling pad. Thus, it can be used for a variety of lifting applications as illustrated. Both gripping surfaces of the swiveling pad are smooth and non-marring. Clamp is lightweight, has a large grip range and is easy to maintain.

Merrill Part Number	Cat. No	Working Load Limit,* Tons/k	Grip Range, */mm	Dimensions, inches										Body Thickness	Weight, Pounds
				A	B (Max)	C	D	E	H	W (Max)	Flange Width				
MP-1	642-1010	1/454	0-1/0.25	4½	16	7	1½	6	3½	6½	3½	8	2½	10	
MP-3	642-1012	3/2722	0-1½/0.32	6½	21½	9½	2½	7½	4½	10	5½	9	3½	32	

Applications for Multi-Purpose SAC Clamp



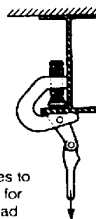
Handles boiler sections in horizontal positions.



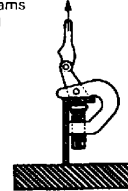
Lifts and turns structural shapes.



Attaches to beams for overhead lifting.

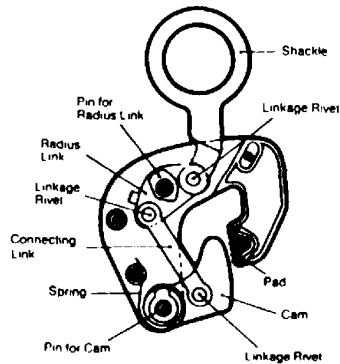


Handles beams in horizontal position.



Lifts plates.

Drum Handling Equipment Single Drum Lifter, No. 52



This clamp lifts drums with or without the heads removed. It snaps onto the drum and is held there by its spring-loaded cam, even when there is no load. The clamp is removed by simply pressing down on the lifting eye and pushing sideways. Drums can be lifted from either horizontal or vertical positions and then reversed.

Note: Designed especially for drum lifting. **this tool is not suitable for lifting plates or sheets.**

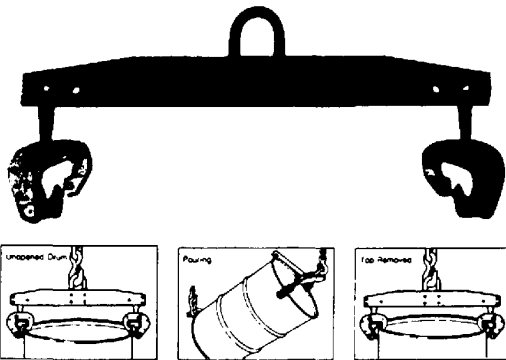
Merrill Model Number	Cat. No.	Working Load Limit *	Overall Width	Dimensions, Inches	Weight Pounds	
				Bearing to Pad Center	Eye to Recess Opening	
52	641-0101	1,000	4 1/2	6	1 1/2 x 2	4 1/2

*Warning: Do not exceed Working Load Limit.

Replacement Parts for Drum Lifter, No. 52

Part Name	Pkg Qty	Merrill No. 52	
		Part No.	Cat. No.
Shackle	1	023	650-0023
Linkage Rivet	4	008	650-0008
Radius Link	1	002	650-0002
Pin for radius link and cam	2	003	650-0003
Connecting Link	2	007	650-0007
Cam	1	024	650-0024
Spring	1	027	650-0027
Pad (includes bolt)	1	025	650-0025
Cam pad, rivet and spring	1 ea	K024	650-5011

Twin Drum Lifter, No. 252

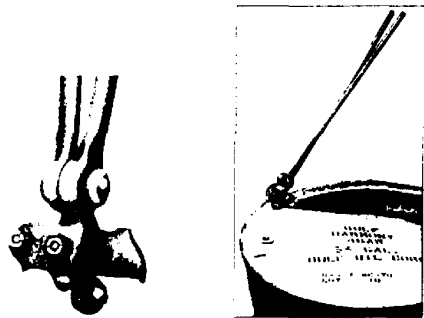


This valuable tool handles both regular and resealable drums without damaging the bead. A recess on the short leg of the clamps accommodates the bead of resealable drums. The clamps are simply turned so that the short legs are on the outside of the drum for this application.

For level lifting and dumping liquids, order the twin lifter with back brace, No. 641-0402. See illustration below.

Merrill Model Number	Cat. No.	Working Load Limit, * Tons/k	Grip Range, * /mm	Overall Length, inches	Height Bearing Point to Grip, inches	Weight Pounds
252	641-0401	1/907	17 1/2-25/445-635	28	12	22 1/2
252-BB	641-0402	1/907	17 1/2-25/445-635	28	12	24

Merrill-O'Brien Drum Deheader, No. 138



Quickly cuts the heads out of steel drums without leaving dangerous edges. All parts are drop forged and heat treated. High grade alloy blade and fulcrum are detachable, and replacements, including non-sparking blades, are available through Cooper Tools distributors. To make the initial cut easier, the tool has a point in the rear and a striking surface in front.

Merrill Model Number	Cat. No.	Description	Length of Tool, inches	Weight, Pounds
138	641-0701	Deheader with alloy blade	24	5 1/2
139	641-0702	Deheader with non-sparking blade	24	5 1/2

Replacement Parts for Drum Deheader, No. 138

Part Name	Merrill No. 138		Weight, Pounds
	Part No.	Cat. No.	
Alloy Blade	140	650-0140	1/2
Non-sparking blade	141	650-0141	1/2
Pivot with nut	142	650-0142	1/2
Bolts and nuts for blade	143	650-0143	1/2

SAMSEL P/N
MSC 1335

**• INDIVIDUAL ROLLERS
3.75-50 TONS**

With seven capacities, three moving types (rigid, swivel, and swivel locking), and three top styles (padded, diamond steel, and smooth steel), there's a model perfect for most heavy moving applications in this Hilman Roller series! For straight line moves, specify the rigid roller. For turns, swivel rollers position the load in tightest quarters. The swivel-locking type combines swivel and rigid designs with spring-loaded locks that can engage every 45 degrees. Steering handles are available for Swivel Lock and Swivel types in 3 lengths: H36F (36" / 914mm) H48F (48" / 1219mm) H60F (60" / 1524mm).

FT Series Hilman Rollers have three versatile top styles. "D" tops have steel spike-like grid able to grip into wood and provide a secure move for crated or palletized equipment. "P" tops, with built in neoprene pad, allow some compression and provide a non-slip surface, a versatile choice for moving on less than perfect floors or for moving metal based machines. "S" tops have smooth steel top, ideal for mounting the rollers to equipment or as a base unit for a variety of top modifications.

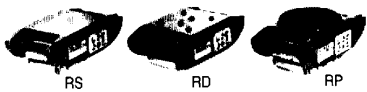
SWIVEL-LOCKING



SWIVEL



RIGID



PRODUCT NUMBER	CAPACITY (TONS)	TOP STYLE	HEIGHT		WIDTH		LENGTH		WEIGHT		CONTACT ROLLS
			IN.	MM.	IN.	MM.	IN.	MM.	LBS.	KGS.	
3.75-SLP	3.75		5	127	5-3/4	146	10-1/2	267	34	15	5
7.5-SLP	7.5	SWIVEL	5-1/4	133	5-3/4	146	10-1/2	267	37	17	5
10-SLP	10	LOCKING	5-1/4	133	5-3/4	146	10-1/2	267	38	17	5
15-SLP	15	PADDED	5-1/8	130	6-1/2	165	12-3/4	324	47	21	6
30-SLP	30		8-1/8	206	8	203	15	381	123	56	6
50-SLP	50		9-1/8	232	8	203	21	533	196	89	7
3.75-SLD	3.75	SWIVEL	4-3/4	121	5-3/4	146	10-1/2	267	33	15	5
7.5-SLD	7.5	LOCKING	5	127	5-3/4	146	10-1/2	267	36	16	5
10-SLD	10	WITH	5	127	5-3/4	146	10-1/2	267	37	17	5
15-SLD	15	DIAMOND	4-3/4	121	6-1/2	165	12-3/4	324	47	21	6
30-SLD	30	STEEL	7-1/8	181	8	203	15	381	120	54	6
50-SLD	50	GRID	8-1/8	206	8	203	21	533	197	89	7
3.75-SLS	3.75		4-5/8	117	6	152	10-1/2	267	35	16	5
7.5-SLS	7.5	SWIVEL	4-7/8	124	6	152	10-1/2	267	38	17	5
10-SLS	10	LOCKING	4-7/8	124	6	152	10-1/2	267	39	18	5
15-SLS	15	WITH	4-3/4	121	6-1/2	165	12-3/4	324	47	21	6
30-SLS	30	SMOOTH	6-7/8	175	8	203	15	381	120	54	6
50-SLS	50	STEEL	7-7/8	200	8	203	21	533	197	89	7
3.75-SP	3.75		5	127	5-3/4	146	10-1/2	267	33	15	5
7.5-SP	7.5		5-1/4	133	5-3/4	146	10-1/2	267	37	17	5
10-SP	10	SWIVEL	5-1/4	133	5-3/4	146	10-1/2	267	38	17	5
15-SP	15	PADDED	5-1/8	130	6-1/8	156	12-3/4	324	47	21	6
30-SP	30		8-1/8	206	8	203	15	381	119	54	6
50-SP	50		9-1/8	232	8	203	21	533	197	89	7
3.75-SD	3.75		4-3/4	121	5-3/4	146	10-1/2	267	33	15	5
7.5-SD	7.5	SWIVEL	5	127	5-3/4	146	10-1/2	267	36	16	5
10-SD	10	WITH	5	127	5-3/4	146	10-1/2	267	37	17	5
15-SD	15	DIAMOND	4-3/4	121	6-1/2	165	12-3/4	324	46	21	6
30-SD	30	STEEL	7-1/8	181	8	203	15	381	120	54	6
50-SD	50	GRID	8-1/8	206	8	203	21	534	196	89	7
3.75-SS	3.75		4-5/8	117	6	152	10-1/2	267	34	15	5
7.5-SS	7.5	SWIVEL	4-7/8	124	6	152	10-1/2	267	38	17	5
10-SS	10	WITH	4-7/8	124	6	152	10-1/2	267	38	17	5
15-SS	10	SMOOTH	4-3/4	121	6-1/2	165	12-3/4	324	47	21	6
30-SS	30	STEEL	6-7/8	175	8	203	15	381	120	54	6
50-SS	50		7-7/8	200	8	203	21	533	197	89	7
3.75-RP	3.75		4-3/16	106	5-3/4	146	10-1/2	267	29	13	6
7.5-RP	7.5		4-7/16	113	5-3/4	146	10-1/2	267	32	15	5
10-RP	10	RIGID	4-7/16	113	5-3/4	146	10-1/2	267	33	15	5
15-RP	15	PADDED	4-5/16	110	6-1/2	165	12-3/4	324	42	19	6
30-RP	30		6-7/8	175	7-1/4	184	15	381	106	48	6
50-RP	50		7-3/4	197	8	203	21	533	182	83	7
3.75-RD	3.75		4	102	5-1/2	140	10-1/2	267	28	13	5
7.5-RD	7.5	RIGID	4-3/8	111	5-1/2	140	10-1/2	267	32	15	5
10-RD	10	WITH	4-3/8	111	5-1/2	140	10-1/2	267	33	15	5
15-RD	15	STEEL	3-7/8	98	6-1/2	165	12-3/4	324	41	19	6
30-RD	30	SPIKES	7-1/8	181	7-1/4	184	15	381	104	47	6
50-RD	50		7	178	8	203	21	533	182	83	7
3.75-RS	3.75		3-11/16	94	5-1/2	140	10-1/2	267	28	13	5
7.5-RS	7.5	RIGID	3-11/16	94	5-1/2	140	10-1/2	267	32	15	5
10-RS	10	WITH	3-15/16	100	5-1/2	140	10-1/2	267	33	15	5
15-RS	15	SMOOTH	3-7/8	98	6-1/2	165	12-3/4	324	42	19	6
30-RS	30	STEEL	5-3/4	146	7-1/4	184	15	381	104	47	6
50-RS	50		6-3/4	171	8	203	21	533	181	82	7

ROLLER - 15 TON
SAMSEL #
MTL 091

ROLLER - 7 1/2 TON
SAMSEL #
MTL 112

ROLLER - 3 3/4 TON
SAMSEL #
MTL 126

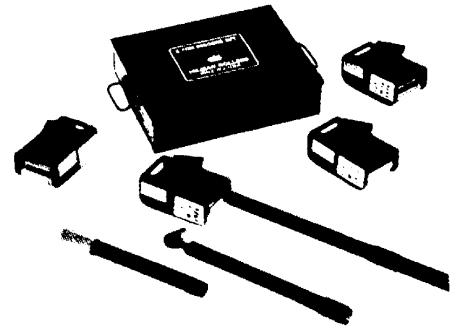
**8 Ton
Riggers
Sets**

	KRS-8-4S	KRS-8-2S/2R
kit contains	four 2-SP swivel rollers	two 2-SP swivel rollers two 2-RP rigid rollers
	two 30" (762 mm) two part steering handles	two 30" (762 mm) two part steering handles
	carrying case	carrying case
capacity	16,000# / 8,000 kg	16,000# / 8,000 kg
weight	85# / 38.6 kg	83# / 37.7 kg

ROLLER HANDLE

2 PART
SAMSEL #
MTL 135

FLAT TOP
SAMSEL #
MTL 136



KRS-8-4S

The KRS-8-4S consists of four swivel rollers while the KRS-8-2S/2R has two swivel and two rigid rollers.

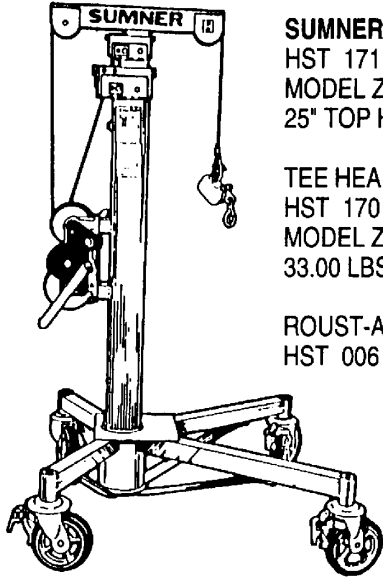
ROLLER KIT
SAMSEL #
BXS 085

ROLLER SET - 8 TON
SAMSEL #
MTL 052



HILMAN ROLLERS

SUMNER



SUMNER ROUST-A-BOUT
HST 171
MODEL Z-250
25" TOP HEIGHT 381.00 LBS.

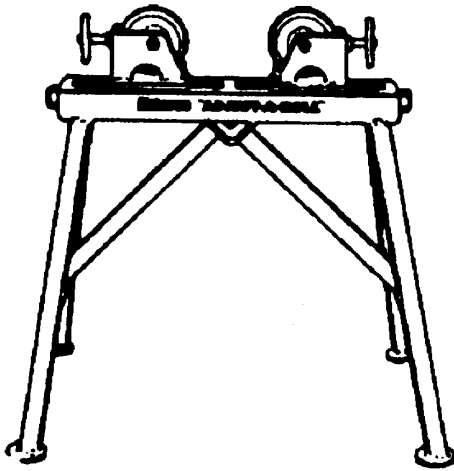
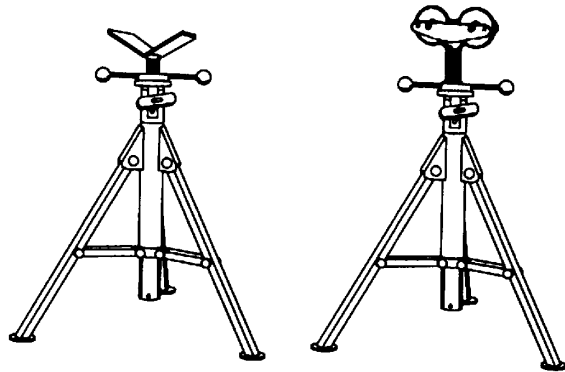
TEE HEAD EXTENSION BAR
HST 170
MODEL Z-250
33.00 LBS.

ROUST-A-BOUT SWIVEL CASTER
HST 006

SUMNER PIPE JACKS

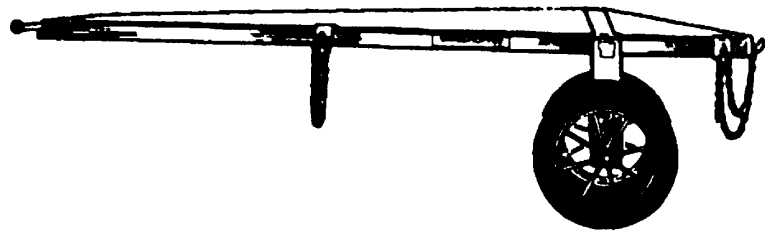
JCK 041 HI JACKS
(HEAVY DUTY ASSEMBLED STYLE)
ST-801 W/ VEE HEAD 25.00 LBS.

JCK 046 LO JACKS
(HEAVY DUTY ASSEMBLED STYLE)
ST-901 W/VEE HEAD 25.00 LBS.



SUMNER ADJUST-A-ROLL
MSC 586 HI ADJUST-A-ROLL
ST-601 W/STEEL WHEELS 33.00 LBS.

SUMNER GRASSHOPPER
MSC 992 GRASSHOPPER
ST-401 165.00 LBS.



SUMNER

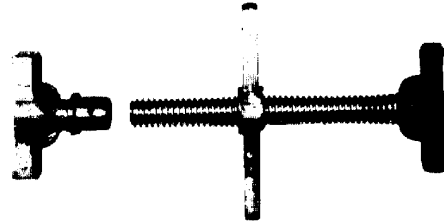
SIMPLEX®

Trench Braces

Trench Braces

Simplex Trench Braces provide efficient, economical protection against cave-ins and costly redigging in construction and utility maintenance. Braces extend by turning the lever nut handle. The ball socket joints tilt for added safety on angular mounting. Holes on each end facilitate mounting to wood members.

For economy, use the import version. If U.S. manufacture is required, use the domestic version. Simplex quality is assured with either choice.



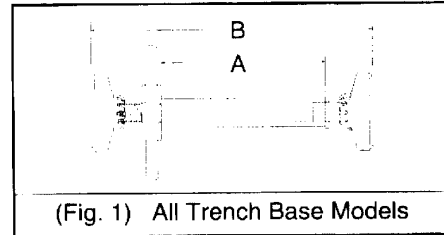
Model Number	Domestic Order Number	Import Order Number
SE-12	06200	06600
SE-16	06240	06640
SE-18	06250	06650
BE-25	06300	06700
BE-35	06310	06710

Screw and butt ends are sold separately.

Specifying Simplex Trench Braces

Simplex trench braces are **designed for use with standard schedule 40 pipe**. Screw end models SE12, SE16 and butt end model BE25, use 1 1/2" diameter pipe. Model SE18 and butt end BE35 use 2" diameter pipe. Pipe should be cut to length based on the chart below and drawing in Fig. 1.

Model Number	Adjust Range (in.)	Pipe Size (in.)	Butt End	A Min. Pipe Lgth. (in.)	B Min. Closed Ht. (in.)
SE-12	7"	1 1/2"	BE-25	12	18
SE-16	10"			16	22
SE-18			2"	BE-35	18



*Dimensions assume the use of both screw and butt ends together as an assembly.

SAMSEL#

BRC 001	SE-16	BRC 003	BE-25
BRC 005	SE-18	BRC 007	BE-35

Quick Reference Timber/Trench Brace Equivalency Tables*

The following charts are based on OSHA Timber/Trench Brace Charts* which do not consider transverse loading conditions. Detailed application/specification data including column loading capacities is published by Templeton, Kenly & Co., Inc. and is available on request. Ask for technical bulletin TB-192.

Soil Type A $P_a = 25 \times H + 72$ psf (2ft. Surcharge)

Trench Depth (ft)	Horizontal Spacing (ft)	Cross Brace			Vertical Spacing (ft)	Wales		Uprights (in)				
		Width of Trench (ft)				Size (in)	Vertical Spacing (ft)	Max. Allowable Horizontal Spacing (Ft)				
		up to 4	up to 6	up to 8				4'	5'	6'	8'	
5 to 10	up to 6	SE12	SE12	SE18	4	8 x 8	4			2"x6"		
		SE16	SE16							2"x6"		
	up to 8	SE12	SE12	SE18				2"x6"				
		SE16	SE16					2"x6"				
10 to 15	up to 10	SE18	SE18	SE18	Not Req.		3"x8"					
	up to 12	SE18	SE18		Not Req.		3"x8"					
10 to 15	up to 6	SE12	SE12	SE18	8 x 8	4	2"x6"					
	up to 8	SE16	SE16				2"x6"					

SIMPLEX®

Ratchet Jacks

Versatile, Safe, Efficient, and Dependable

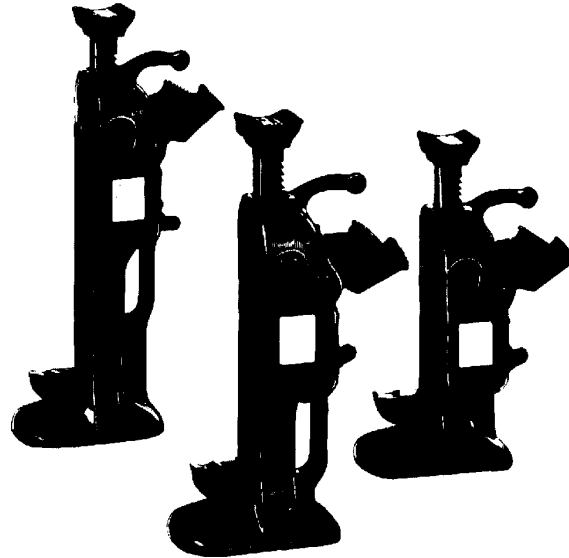
Every jack is designed to support full-rated capacity on the toe or the cap.

Simplex ratchet jacks are widely used in oil fields, shipyards, mining operations, construction, railroads, and heavy-duty industrial maintenance.

These are the most versatile general-purpose jacks available. Rugged construction permits safe, efficient jacking. Steel Lever Bars are ordered separately.

Outstanding Features:

- Double-lever sockets permit operation in close quarters.
- Multiple-tooth pawls provide greater contact area with the rack bar.
- Drop-forged, alloy steel, heat-treated components for greater strength and minimal wear.
- Adjustable spring links incorporate plated springs to resist corrosion.
- Precision machining throughout.
- Large arched inner-ribbed base insures a firm, rigid foundation.



5 Ton Models

These units are all mechanically identical and vary only in stroke and height.

Ratchet Jacks

Model Number	Order Number	Supporting Cap. (tons)	Lifting Cap. (tons)	Stroke (in)	Handle Effort per Ton (lbs)	Cap Min. Height (in)	Toe Min. Height (in)	Base Size (in)	Weight (lbs)	Steel Lever Bars			
										Order Number	Length (in)	Dia (in)	Weight (lbs)
84A	01040	5	5	7	32	14	1 3/4	5 x 7 3/8	28	10640	36	1	8
85A	01080			10		17			30				
86A	01130			13		20			35				

SAMSEL#

JCK 026 84A JCK 027 85A JCK 031 86A

Reel Jacks

Model Number	Order Number	Capacity per Pair		Handle Effort Per Ton (lbs)	Stroke (in)	Reel Dia. (in)	Top Hook Height (in)	Weight (lbs)	Steel Lever Bars			
		Side Hooks (tons)	Top Hooks (tons)						Order Number	Length (in)	Dia. (in)	Weight (lbs)
320B	10120	5	10	32	10	20-60	21	51	10640	36	1	8
321B	10142	10	20	22	12	20-96	34 1/2	128	*10665	60	1 1/4	17
A1029-R	10150				11 5/8	36-84	31 1/8	86				
A1029-L	10160											

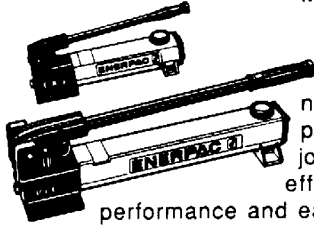
SAMSEL#

JCK 029 10640

* Lever bar 10675 can be substituted resulting in lower handle effort.

ENERPAC HYDRAULIC HAND PUMPS

Mfrs. Code No. 662005



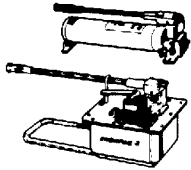
Where portable, hydraulic power is needed, these 10,000 psi hand pumps get the job done with the least effort. With two-speed performance and easy carry design, no other hand pump is easier to use in construction, maintenance, lifting and testing applications.

Item No.	Model No.	Pump Speed	Max. Pressure Rating (PSI)	Res. Cap. (Cu. In.)	Weight (Lbs.)
10720	P-142	Two-Speed	1st Stage 200 2nd Stage 10,000	20	4.5
10707	P-392	Two-Speed	1st Stage 200 2nd Stage 10,000	55	9
10708	P-202	Two-Speed	1st Stage 200 2nd Stage 10,000	55	7.5
10715	P-141	Single-Speed	10,000	20	4.5
10706	P-391	Single-Speed	10,000	55	9

SAMSEL # HYT 218 P-391
HYT 230 P-142 HYT 231 P-392

ENERPAC HYDRAULIC HAND PUMPS

Mfrs. Code No. 662005



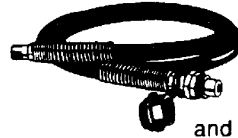
For fabrication, maintenance, construction, and industrial use, these 10,000 psi hand pumps are proven performers. The P-39 is a versatile mid-size pump. The P-80 has two-speed operation to get the job done faster. The P-462 has a large 2 gallon reservoir for use with high tonnage cylinders. Both the P-80 and P-462 are available in 4-way valve versions (P-84 and P-464) for use with double-acting cylinders.

Item No.	Model No.	Pump Speed	Max. Pressure Rating (PSI)	Res. Cap. (Cu. In.)	Weight (Lbs.)
10705	P-39	Single-Speed	10,000	43	13
10740	P-80	Two-Speed	1st Stage 350 2nd Stage 10,000	140	28
10745	P-84	Two-Speed	1st Stage 350 2nd Stage 10,000	140	33
10750	P-462	Two-Speed	1st Stage 200 2nd Stage 10,000	462	61
10755	P-464	Two-Speed	1st Stage 200 2nd Stage 10,000	462	61

SAMSEL # HYT 216 P-39 HYT 236 P-80

ENERPAC HYDRAULIC HOSES

Mfrs. Code No. 662005



Enerpac 10,000 psi hoses are designed for use with all Enerpac 10,000 psi pumps and cylinders. Rugged construction makes these hoses extremely durable, yet highly flexible. This heavy-duty rubber hose is reinforced with 2 layers of braided steel and available in lengths up to 50 feet.

Item No.	Model No.	I.D. (In.)	Length (Ft.)	Hose End (1)	Hose End (2)	Weight (Lbs.)
20033	H-917	1/4	2	3/8" NPTF (Male)	3/8" NPTF (Male)	1.6
20039	H-920	1/4	3			1.9
20018	H-909	1/4	6			2.6
20048	H-926	1/4	10			3.9
20057	H-938	1/4	20			8.0
20085	H-942	1/4	30	13		
20072	HC-921	1/4	3	3/8" NPTF (Male)	CH-604	2.2
20066	HC-913	1/4	6			3.0
20078	HC-927	1/4	10			4.3
20084	HC-941	1/4	20			8.3
20087	HC-950	1/4	50	CH-604	CH-604	20

SAMSEL # HYT 097 HC-913

ENERPAC HYDRAULIC COUPLERS

Mfrs. Code No. 662005



Enerpac 10,000 psi couplers simplify hydraulic connections and consist of self-sealing male and female halves. The screw-type design permits connection or disconnection in seconds.

Item No.	Complete Coupler Model No.	Coupler Type	Included with Complete Coupler— May be Ordered Separately			
			Male or Hose Half Model No.	Female or Cyl. Half Model No.	Male Half Dust Cap Model No.	Female Half Dust Cap Model No.
20108	C-604	3/8" High Flow	CH-604	CR-400	CD-411*	CD-411*
20123	A-804	3/8" Regular Spee-D-Coupler®	AH-604	AR-400	—	Z-410
20135	A-830	1/2" Regular	AH-630	AR-630	—	Z-640

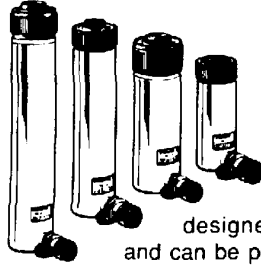
*C-604 includes (2) CD-411 Dust Caps

SAMSEL # HYT 285 C-604 HYT 289 A-604

ENERPAC

HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The RC line of 10,000 psi cylinders can be used in many applications including maintenance, production, fabrication and construction. They are designed for use in all positions and can be powered by a wide range of Enerpac pumps. These cylinders are spring return and include CR-400 couplers.

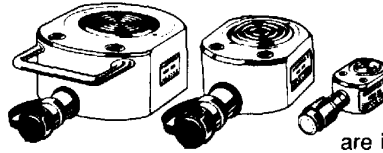
Item No.	Model No.	Cyl. Cap. (Tons)	Stroke (In.)	Oil Cap. (Cu. In.)	Ret. Ht. (In.)	Weight (Lbs.)
30054	RC-50	5	5/8	.6	1 1/8	2.2
30056	RC-51	5	1	1.0	4 11/32	2.3
30058	RC-53	5	3	3.2	6 1/2	3.3
30060	RC-55	5	5	5.2	8 1/2	4.1
30062	RC-57	5	7	7.2	10 1/4	5.3
30064	RC-59	5	9 1/8	9.2	12 3/4	6.1
30074	RC-101	10	1	2.2	3 11/32	4.0
30076	RC-102	10	2 1/8	4.8	4 23/32	5.1
30080	RC-104	10	4 1/8	9.2	6 3/4	7.2
30082	RC-106	10	6 1/8	13.9	9 3/4	9.8
30084	RC-108	10	8	18.0	11 3/4	12
30086	RC-1010	10	10 1/8	22.9	13 3/4	14
30088	RC-1012	10	12	27.0	15 3/4	15
30090	RC-1014	10	14	31.5	17 3/4	18
30102	RC-151	15	1	3.0	4 7/8	7.2
30104	RC-152	15	2	6.5	5 5/8	9
30108	RC-154	15	4	12.5	7 7/8	11
30110	RC-156	15	6	19.0	10 11/16	15
30112	RC-158	15	8	25.0	12 11/16	18
30114	RC-1510	15	10	31.5	14 11/16	21
30116	RC-1512	15	12	38.0	16 11/16	24
30118	RC-1514	15	14	44.0	18 11/16	26
30128	RC-251	25	1	5.2	5 1/2	13
30130	RC-252	25	2	10.3	6 1/2	14
30136	RC-254	25	4	21.9	8 1/2	18
30138	RC-256	25	6 1/4	32.2	10 3/4	22
30142	RC-258	25	8 1/4	42.5	12 3/4	27
30146	RC-2510	25	10 1/4	52.8	14 3/4	31
30148	RC-2512	25	12 1/4	63.0	16 3/4	36
30150	RC-2514	25	14 1/4	73.5	18 3/4	39
30144	RC-308	30	8 1/4	53.5	15 3/4	40
30160	RC-502	50	2	22.1	6 11/16	33
30162	RC-504	50	4	44.2	8 11/16	42
30164	RC-506	50	6 1/4	69.1	11 1/8	51
30170	RC-5013	50	13 1/4	146.4	18 1/4	83
30182	RC-756	75	6 1/8	97.4	11 1/4	65
30188	RC-7513	75	13 1/8	208.7	19 3/8	130
30184	RC-1006	100	6 1/8	136.7	14 1/16	130
30190	RC-10010	100	10 1/4	211.5	17 11/16	160

MOST PRODUCTS IN STOCK

ENERPAC

FLAT-JAC™ HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The Flat-Jac™ line of 10,000 psi cylinders are ideal for maintenance, construction and production applications in tight working areas. With retracted heights starting at 1 3/32 in., these cylinders can be used where other cylinders will not fit. They include spring return and CR-400 couplers (RSM-50 has AR-400 coupler).

Item No.	Model No.	Cyl. Cap. (Tons)	Stroke (In.)	Oil Cap. (Cu. In.)	Ret. Ht. (In.)	Weight (Lbs.)
30234	RSM-50	5	1/4	.3	1 3/32	2.3
30235	RSM-100	10	7/16	1.0	1 11/16	3.1
30236	RSM-200	20	7/16	2.0	2 1/32	6.8
30237	RSM-300	30	1/2	3.2	2 5/16	10.0
30238	RSM-500	50	5/8	6.0	2 5/8	15.0
30239	RSM-750	75	5/8	10.0	3 1/8	25.0
30240	RSM-1000	100	5/8	12.2	3 3/8	32.0
30241	RSM-1500	150	5/8	17.2	3 5/16	58.0

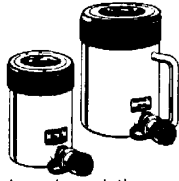
SAMSEL #	HYT 111	RSM-50
HYT 112	RSM-100	HYT 114
HYT 119	RSM-500	HYT 121
		RSM-1000

SAMSEL #	HYT 005	RC-55
HYT 012	RC-104	HYT 013
HYT 016	RC 106	HYT 041
HYT 072	RC-506	HYT 076
		RC-1006

ENERPAC

HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The Enerpac Holl-O-Cylinder® is extremely versatile for use in tooling, maintenance and tensioning applications. It is designed with a hollow plunger so that a rod may be placed through the cylinder. These spring return cylinders will also operate as standard lifting cylinders. CR-400 couplers are provided (except RCH-120, 121, and 1211 which have AR-630).

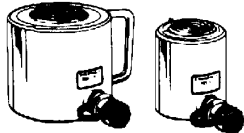
Item No.	Model No.	Cyl. Cap. (Tons)	Stroke (In.)	Oil Cap. (Cu.In.)	Ret. Ht. (In.)	Weight (Lbs.)
30253	RCH-120	12	3/8	.9	2 1/8	3.2
30255	RCH-121	12	1 1/8	4.5	4 1/4	6.2
30313	RCH-1211	12	1 1/8	4.5	4 1/4	6.2
30259	RCH-123	12	3	8.3	7 1/4	9.8
30261	RCH-202	20	2	9.4	6 3/8	17
30275	RCH-302	30	2 1/2	18.0	7	24
30279	RCH-306	30	6	43.3	13	43
30293	RCH-603	60	3	39.7	9 1/4	62
30295	RCH-606	60	6	79.4	12 1/4	78
30309	RCH-1003	100	3	62.0	11 1/4	150

SAMSEL #
HYT 017 RCH-1211 HYT 073 RCH-603

ENERPAC

HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The RCS line of 10,000 psi cylinders is designed for lifting and maintenance applications, where low height, portability and light weight are needed. When used for bridge lifting optional tilt saddles are available to reduce offset loading. These cylinders are spring return and supplied with CR-400 couplers.

Item No.	Model No.	Cyl. Cap. (Tons)	Stroke (In.)	Oil Cap. (Cu.In.)	Ret. Ht. (In.)	Weight (Lbs.)
30208	RCS-101	10	1 1/2	3.4	3 5/32	9
30210	RCS-201	20	1 3/4	7.7	3 3/8	11
30212	RCS-302	30	2 1/8	15.8	4 1/8	15
30214	RCS-502	50	2 3/8	22.8	4 11/16	24
30216	RCS-1002	100	2 1/4	44.2	5 1/8	50

SAMSEL # HYT 061 RCS-302
HYT 067 RCS-502 HYT 074 RCS-1002

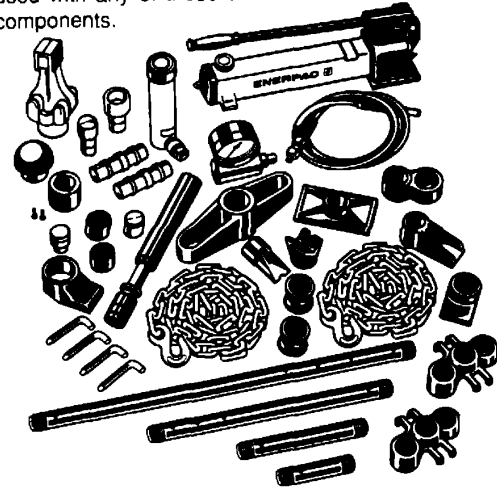
ENERPAC

MAINTENANCE SETS

Mfrs. Code No. 662005

These sets are the ultimate in versatility. They include a complete assortment of hydraulic powered equipment, from which you can quickly assemble combinations or set-ups to meet your job requirements. Maintenance sets become your extra pair of hands when machinery or equipment breaks down. Built around the basic Enerpac pump, hose and cylinder, these sets enable you to push, pull, lift, press, straighten, spread or clamp with tons of force.

Gauges are supplied in all sets. Maximum pump pressure must be limited to 5,000 psi when cylinders are used with any of these attachments and components.



Item No.	Model No.	Pump	Cylinder	No. of Attachmts.	Weight (Lbs.)
80001	MS2-4	P-142	RC-55	32	59
80011	MS2-10	P-392	RC-106	35	140
80016	MS2-20	P-392	RC-256	13	210
80006	MS2-1020	P-392	RC-102 RC-106 RC-256	52	350

SAMSEL # HYT 004 MS2-4

ENERPAC

HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The RD series of cylinders are designed for production applications where fast-cycle operations or long cylinder life is needed. Double acting operation develops both push and pull forces, providing maximum versatility. Threaded design and available mounting accessories simplify fixturing and tooling. 3/8 NPTF cylinder ports are standard.

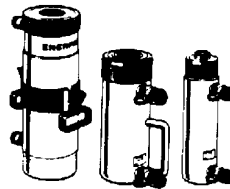
Item No.	Model No.		Cyl. Cap. (Lbs.)	Stroke (In.)	Oil Cap. (Cu.In.)	Ret. Ht. (In.)	Weight (Lbs.)
30519	RD-41	ADV. RET.	7,850 3,440	1 1/8	.9 .4	7 5/16	4.8
30523	RD-43	ADV. RET.	7,850 3,440	3 1/8	2.4 1.1	9 5/16	6.4
30527	RD-46	ADV. RET.	7,850 3,440	6 1/8	4.8 2.1	12 5/16	9
30531	RD-91	ADV. RET.	17,670 9,820	1 1/8	2.0 1.1	8 3/4	9
30533	RD-93	ADV. RET.	17,670 9,820	3 1/8	5.5 3.0	10 25/32	11
30535	RD-96	ADV. RET.	17,670 9,820	6 1/8	10.8 6.0	13 25/32	14
30539	RD-910	ADV. RET.	17,670 9,820	10 1/8	17.9 9.9	17 25/32	19
30549	RD-166	ADV. RET.	31,416 16,567	6 1/8	19.6 10.4	15 5/16	22
30553	RD-1610	ADV. RET.	31,416 16,567	10 1/8	32.2 17.0	19 1/16	29
30551	RD-256	ADV. RET.	49,087 21,475	6 1/8	30.7 13.4	16 1/16	36
30555	RD-2510	ADV. RET.	49,087 21,475	10 1/8	50.3 22.0	20 1/16	46

SAMSEL # HYT 019 RD-41

ENERPAC

HYDRAULIC CYLINDERS

Mfrs. Code No. 662005



The RR series of hydraulic cylinders are designed for lifting, construction and maintenance applications, as well as industrial production and pressing applications. These cylinders are truly Enerpac's most versatile performers: they are rugged enough for the toughest job site uses, and precision designed for high-cycle industrial uses. CR-400 couplers are standard.

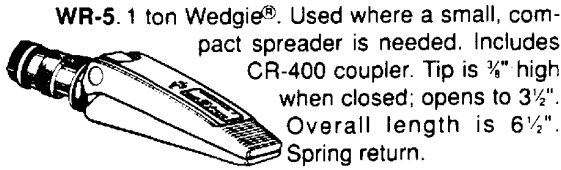
Item No.	Model No.		Cyl. Cap. (Tons)	Stroke (In.)	Oil Cap. (Cu.In.)	Ret. Ht. (In.)	Weight (Lbs.)
30329	RR-1010	ADV. RET.	10 4	10	22 8	16 1/8	28
30331	RR-1012	ADV. RET.	10 4	12	27 9	18	31
30325	RR-308	ADV. RET.	30 5	8 1/4	55 25	15 1/4	40
30333	RR-3014	ADV. RET.	30 5	14 1/2	94 43	21 5/8	64
30327	RR-506	ADV. RET.	50 10	6 1/8	68 21	13 3/16	67
30335	RR-5013	ADV. RET.	50 10	13 1/8	146 44	20 1/8	115
30337	RR-5020	ADV. RET.	50 17	20 1/8	222 68	28 3/8	150
30347	RR-756	ADV. RET.	75 17	6 1/8	97 29	13 1/16	92
30361	RR-7513	ADV. RET.	75 17	13 1/8	209 64	20 1/16	150
30349	RR-1006	ADV. RET.	100 48	6 1/8	135 63	14 1/8	135
30363	RR-10013	ADV. RET.	100 48	13 1/8	271 126	20 1/8	205
30367	RR-10018	ADV. RET.	100 48	18 1/8	374 174	27 1/16	260
30353	RR-1502	ADV. RET.	150 30	2 1/4	69 33	7 3/8	110
30355	RR-1506	ADV. RET.	150 74	6 1/8	188 91	15 1/16	205
30369	RR-15013	ADV. RET.	150 74	13 1/8	402 194	22 1/16	275
30371	RR-15032	ADV. RET.	150 74	32 1/8	965 475	43 5/16	525
30359	RR-2006	ADV. RET.	200 112	6	265 135	16 1/16	325
30375	RR-20013	ADV. RET.	200 112	13	574 293	23 1/16	440

SAMSEL # HYT 077 RR-1502

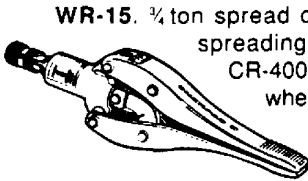
ENERPAC

HYDRAULIC SPREADERS

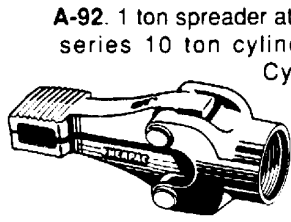
Mfrs. Code No. 662005



WR-5. 1 ton Wedgie®. Used where a small, compact spreader is needed. Includes CR-400 coupler. Tip is 3/8" high when closed; opens to 3 1/2". Overall length is 6 1/2". Spring return.



WR-15. 3/4 ton spread cylinder for long stroke spreading applications. Includes CR-400 coupler. Tip is 1 1/2" high when closed; opens to 11 1/2". Overall length including coupler is 21 1/2". Spring return.



A-92. 1 ton spreader attachment. Threads on RC series 10 ton cylinders (except RC-101). Cylinders should be used with A-13 or A-102G saddles. Tip is 1 3/8" high when closed; opens to 6". Overall length is 9 3/4". Spring return.

Item No.	Model No.	Closed Height (In.)	Weight (Lbs.)
80097	WR-5	3/8	5
80099	WR-15	1 1/4	25
80045	A-92	1 3/8	8

SAMSEL #

HYT 103 WR-5

HYT 026 WR-15

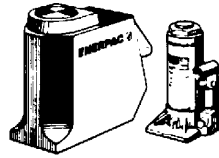
SAMSEL#
HYT 142 JTA-356

HYT 141 JHA-73
HYT 146 JHA-156

ENERPAC

HYDRAULIC JACKS

Mfrs. Code No. 662005



Enerpac hydraulic jacks supply high force for many rugged operations...lifting, pushing, shoring, bracing and moving. These jacks are built for long, dependable service and are fully repairable. In addition, these jacks may be used in a vertical or horizontal position, to better suit your application.

Item No.	Model No.	Jack Cap. (Tons)	Stroke (In.)	Ret. Ht. (In.)	Pump Speed	Weight (Lbs.)
30012	JH-1.5	1 1/2	5 3/8	7	Single	9
30000	JHL-1.5	1 1/2	18	21 23/32	Single	14
30002	JH-3	3	5 1/4	8 1/2	Single	13
30001	JHL-3	3	20	26 5/16	Single	26
30005	JH-5	5	6 1/4	9	Single	17
30006	JH-8	8	6 1/4	9	Single	19
30008	JH-12	12	5 1/8	8 1/2	Single	26
30014	JH-20	20	6 1/2	11	Single	42
30018	JH-306	30	6 1/8	10	Single	59
30020	JH-506	50	6 1/8	10 1/4	2-Speed	90
30022	JH-1006	100	6 1/8	11 1/8	2-speed	184

SAMSEL #

HYT 106 JH-1.5

HYT 123 JH-5

HYT 125 JH-12

HYT 122 JH-3

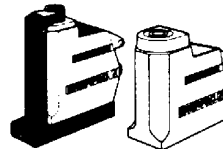
HYT 124 JH-8

HYT 127 JH-20

ENERPAC

ALUMINUM JACKS

Mfrs. Code No. 662005



Enerpac Saf-T-Lite® aluminum jacks are rugged and built for heavy-duty use. Basic construction is aluminum, with all critical functioning parts - bores, seats, plunger, release valve - made of steel for long life and wear. These jacks are performance proven in many applications from maintenance and lifting, to construction and metal fabrication. Toe lift models provide generous stroke lengths with low toe heights and can also be used as conventional jacks.

Item No.	Model No.	Jack Cap. (Tons)	Stroke (In.)	Ret. Ht. (In.)	Toe Ht. (In.)	Weight (Lbs.)
30024	JHA-73	7	3	5 1/4	-	11
30026	JHA-156	15	6 1/8	9 3/4	-	29
30028	JHA-356	35	6 1/8	10 1/8	-	40
30030	JHA-756	75	6 1/8	11 1/4	-	94
30032	JHA-1506	150	6 1/8	12 1/8	-	210
30040	JTA-76	7	6 1/8	12 3/16	2	58
30042	JTA-176	17	6 1/8	14 3/16	2	86
30044	JTA-356	35	6 1/8	16 1/8	2 1/8	210