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Lifting Clamps

Information on Lifting Clamps

Campbell clamps are known and used throughout the world for lifting, conveying and positioning of sheet, plate, weldments and structurals. The heavier the load, the tighter they grip. Parts are drop forged for strength, dependability and long life, and all clamps are individually proof tested. Replacement parts are available when needed. If you have any doubts as to the clamp best suited to your application, please call.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

WARNING

1. Do not exceed Working Load Limit.
2. Inspect clamp before each lift.
3. Do not lift more than one plate or sheet at a time.
4. Position clamp to balance load.
5. Insert plate or unit to full depth of throat opening.
6. Lift slowly and smoothly. Do not jerk load.
7. Stand clear of load when lifting.
8. Do not use a damaged clamp.
9. Read manufacturer's instructions before using clamps.
10. Do not use any Campbell clamp to lift tapered plates or beams.
11. When Lifting plates with a hardness over 43 Rockwell C/400 BRINELL, consult the clamp manufacturer.

Inspection, Maintenance & Repair

It is important to establish a regular procedure for clamp inspection. Frequency of inspection will depend upon the amount of use the clamp receives, and may well vary from one department or area to another. Campbell clamps are built to withstand rough treatment. Grit, dirt, sludge and mud should be removed, however. This may be done easily by immersing the entire clamp in a can of degreaser and leaving it there overnight. Also, periodic oiling of all pins and rivets will improve performance and help to extend the life of the clamp. You may wish to maintain a written record, indicating inspection dates, condition of the clamp on each of those dates, and any repairs made. Inspection records should be reviewed periodically.

Inspection Procedure

- 1) **CAMS** - These are the parts likely to receive most wear. The amount of wear, of course, bears a direct relationship to the use the cam receives. Continued usage of plates of the same thickness will result in wear in only one area of the working surface of the cam, and will eventually require that the cam be replaced. And the harder the plate is, the sooner the cam will be worn away... even though each cam is heat treated to assure maximum surface hardness. Ductile core hardness helps to prevent breakage when the cam is subjected to side strain. On-the-job performance in your own shop will determine how frequently you will need to replace cams. A simple visual inspection of the cam is all that is required in most cases. The surfaces of the cam should be compared with unused surfaces. If teeth appear to be worn, the cam should be replaced. Note: It is recommended that when a cam is replaced, the pad should also be replaced.
- 2) **PADS** - The pads of "GX" and "E" clamps are held in with a bolt and can be replaced simply by removing the bolt. When the serrations of the pad seat are worn, the pad should be replaced. The "MK" style clamps utilize a drive-type pad. Again, if the serrations are worn, replace the pad. To replace the pad, first remove the linkage, then use a punch to drive out the pad. Grease the tongue of the replacement pad and place it in the grease hole. Insert a soft steel or brass plate against the serrations of the replacement pad. Drive the set with a hammer until the pad has become seated.
- 3) **SPREAD JAW** - Check the throat width of the clamp. At zero grip, the cam should be in full contact with the pad. If the width at the base (where the pad is located) is greater than the width at the top, the clamp has been overloaded and should be replaced.
Warning: Do not weld the clamp body, as this may destroy the original heat treatment.
- 4) **LINKAGE AND SHACKLE INSPECTION** - To remove the linkage from a "GX" or "MK" clamp, remove the load pins from the body. (The "Z" spring must also be released on the "MK"). The pins do not rotate and under normal load do not require replacement. They should be inspected for bending, which is caused by overloads and replaced as needed. Inspect the shackle for bending at the rivet, which is an indication of side pull. If this is a recurrent fault, use a chain connector on the clamp.
- 5) **RIVET INSPECTION** - Rivets may require replacement when a very loose connection is detected. Linkage should normally be free working.

Should a rivet hole in the shackle, "G"-link, radius link or connecting link become stretched or enlarged (usually resulting from overloading), those parts should be replaced. It is advisable to replace the rivet as well. To replace any worn parts, drive rivets out over a relief opening, such as a small section of pipe or the opening in a vise.

Warning: Do not weld or substitute bolts for rivets. Check connecting links to ascertain that they are not bent.

- 6) **SPRING INSPECTION** - If a "GX" clamp is equipped with a spring, testing for replacement is simple. The spring should be of sufficient strength to hold the cam against the pad. If it is not, the spring should be replaced. In the case of the "E" clamp, the spring should be replaced if it fails to provide initial pressure at near zero grip.
- 7) **CHAINS** - Chains supplied with clamps should also be inspected carefully. To do this, use a Campbell wear gauge. Inspect chains link by link, checking for distorted, stretched or cracked links, nicks or gouges, pitted links and excessive wear of bearing surfaces and barrels.

WARNING!

- The clamps in this catalog are not intended to serve as a permanent connection to a plate or other object.
- The grip depends on friction and a camming action. If the gripping surfaces are not properly maintained and the clamp is improperly used, the load may fall.
- Use extreme caution where overhead lifting is involved or where a failure could cause property damage or personal injury.
- Read maintenance materials and use instructions.

"GXL" Clamps

- Available in a 1/2, 1 and 2 ton capacity
- Drop forged and heat treated components, with gripping surfaces of case hardened alloy steel
- Exclusive feature is a patented wear indicator system. When any of cam's straight line, convex teeth are flattened between unique wear indicator grooves, it is time to change the cam
- Newly designed "Cam Engaging Lever" keeps the cam in contact with the plate. The tension arm and spring mechanism facilitate attaching and removing the clamp. These clamps will not lift plate when in the "lever open" position



Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL ton
6422012	187049	1/16 - 5/8	5.5	1/2
6422001	185687	1/16 - 3/4	8	1
6422002	187032	1/16 - 7/8	10.5	2

Warning: Never tamper with a clamp's tension arm and spring mechanism during a lift

"GX" Clamps

- "GX" clamp is entirely drop forged and heat treated
- Can be used for both vertical and horizontal-to-vertical lifting
- Exclusive feature is a patented wear indicator system. When any of cam's straight line, convex teeth are flattened between unique wear indicator grooves, it is time to change the cam
- Shackle and "G" link combined into one part for fewer stress points and less chance of side loading damage
- Note: The pad should be replaced same time as cam
- 100% proof tested with certificate of test attached to each clamp



Cat. No.	UPC No 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
6423000	172199	1/16 - 5/8	4	1/2
6423920	175657	5/8 - 1-1/8	5	1/2
6423921	176005	1-1/8 - 1-5/8	5	1/2
6423005	172205	1/16 - 3/4	8	1
6423923	175664	3/4 - 1-3/8	9	1
6423924	176012	1-3/8 - 2	11	1
6423010	172229	1/16 - 1	17	3
6423925	175671	1 - 1-3/4	20	3
6423926	176029	1-3/4 - 2-1/2	20	3
6423015	177583	1/2 - 2	40	5
6423020	177590	1/2 - 2-1/2	143	10

Model "GX" Rubber Pad (Non-Marring) Clamps

- Has a rubber covered pad and cam of relatively smooth metal conditioned to grip tightly
- Should be used to lift plates with a hardness over 43 Rockwell C/400 Brinnell
- Lifts heavy plates with minimum marring
- 100% proof tested w/certificate of test attached to each clamp



Cat. No.	UPC No 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
6423600	175916	1/16 - 3/8	6	1/2
6423605	175923	1/16 - 5/8	22	1
6423610	175930	1/16 - 7/8	55	3

Lifting Clamps

Lifting Clamps

Locking "E" Clamps

- Locks open or closed with a lever
- Clamp lifts from either horizontal or vertical position
- Has large throat that gives a secure bite and wide grip range
- Note: Be sure clamp is in lock closed position before making lift
- 100% proof tested with certificate of test attached to each clamp



Merrill Model No.	Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
3E	6420701	096112	0 - 1-1/4	20	3
5E	6420702	096129	0 - 1-1/2	28	5
5E	6420703	096136	1-1/4 - 2-1/2	33	5
8E	6420705	096150	1/2 - 2-1/2	81	8
8E	6420706	096167	2 - 4	84	8
8E	6420707	096174*	4 - 6	108	8
12E	6420708	096181	1/2 - 2-1/2	78	12
12E	6420709	096198	2 - 4	84	12
12E	6420710	096204*	4 - 6	117	12
20E	6420711	096211	1/2 - 3	146	20
20E	6420712	096228*	3 - 5-1/2	158	20
20E	6420713	096235*	5-1/2 - 8	170	20

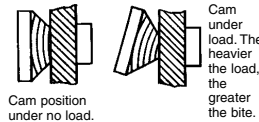
SAC (Screw-Adjusted Cam) Plate Clamps

- Recommended for turning plates from horizontal to vertical as well as through a 180° arc
- The convex, serrated cam swivels on a ball joint so that the area of cam engagement increases as load increases
- Drop forged body and shackle
- 100% proof tested with certificate of test attached to each clamp



Note: Screw needs to be hand tight only! Do not over tighten.

Merrill Model No.	Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
SAC-1	6421000	096396	0 - 1	6-1/4	1
SAC-3	6421001	096402	0 - 2	14-1/4	3
SAC-6	6421002	096419	0 - 3	40	6



Multi-Purpose SAC Clamps

- Clamp offers same superior gripping features as SAC clamp with added benefit of a swiveling pad
- Can be used for a variety of lifting applications as illustrated
- Both gripping surfaces of swivel pad are smooth and non-marring
- 100% proof tested with certificate of test attached to each clamp



Note: Screw needs to be hand tight only! Do not over tighten.

Merrill Model No.	Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
MP-1	6421010	096426	0 - 1	10	1
MP-3	6421012	096433	0 - 1-1/4	32	3

Drag Clamps, "GX" Style

- Ideal for dragging plates or heavy objects
- Has a heavy plate welded to its bottom edge
- 100% proof tested with certificate of test attached to each clamp
- Replacement parts are same as for standard "GX" clamps



Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
6423300	175695	1/16 - 5/8	5	1/2
6423305	175510	1/16 - 3/4	11	1
6423310	175527	1/16 - 1	23	3

Sharp Leg Clamps, "GX" Style

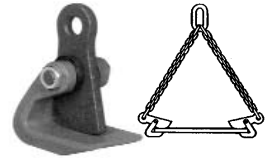
- Designed to lift stacked plates from horizontal to vertical positions
- The long sharp leg can be driven between the top two plates to fully engage the clamp
- 100% proof tested with certificate of test attached to each clamp
- Replacement parts are same as for standard "GX" clamps



Cat. No.	UPC No. 020418	Grip Range (in)	Clamp Wt. (lbs)	WLL (ton)
6423500	175534	1/16 - 5/8	5	1/2
6423505	175541	1/16 - 3/4	9	1
6423510	175558	1/16 - 1	26	3

Horizontal Plate Clamp

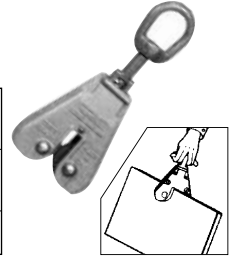
- One man can handle plates with this clamp
- Dual springs hold cam on the work while the second clamp is placed
- Sold in pairs
- 100% proof tested with certificate of test attached to each clamp



Merrill Model No.	Cat. No.	UPC No. 020418	WLL (ton)	Grip Range (in)	Width (in)	Cam Width (in)	Wt. per Pair (lbs)
6H	6421701	096686	6	0 - 1-1/2	5	3/4	32

Duplex Hand Grip

- Designed to carry or pull any object that will fit into its jaws
- Grips and releases automatically

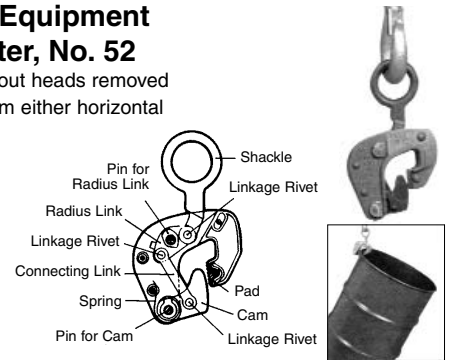


Merrill Part No.	Cat. No.	UPC No. 020418	WLL (lbs)	Handle Length (in)	Grip Range (in)	Wt. (lbs)
3	6421801	096693	500	2	0 - 5/16	2
3	6421802	096709	500	Eye nut	0 - 5/16	2
3	6421803	096716	500	6	0 - 5/16	3
3	6421805	096723	500	10	0 - 5/16	3
3	6421806	096730	500	18	0 - 5/16	4

Drum Handling Equipment Single Drum Lifter, No. 52

- Lifts drums with or without heads removed
- Drums can be lifted from either horizontal or vertical positions and then reversed
- Snaps onto drum and is held there by its spring-loaded cam even when there is no load

Note: This clamp is not suitable for lifting plates or sheets



Merrill Model No.	Cat. No.	UPC No. 020418	WLL (lbs)	Overall Width (in)	Bearing to Pad Center (in)	I.D. Eye (in)	Bead Recess (in)	Max. Jaw Opening (in)	Wt. (lbs)
52	6410101	095634	1000	5	6	1-3/4	1/2 x 3/4	7/8	4-3/4

Chain Sling for Drums, No. 13

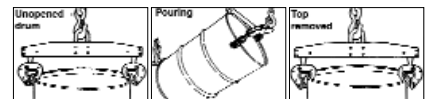
- Double sling assembly consisting of 9/32" alloy chain, two No. 52 drum lifters and CO-1 master link
- Chain legs connected by Quik-Alloy coupling links



Merrill Model No.	Cat. No.	UPC No. 020418	Complete Sling				Clamp Used			
			WLL at 60° (ton)	Overall Length (in)	Alloy Chain Size (in)	Wt. (lb)	Merrill Clamp No.	Cat. No.	UPC No. 020418	WLL (ton)
13	6410301	095665	1	27	9/32	13	52	6410101	095634	1/2

Twin Drum Lifter, No. 252

- Handles both regular and resealable drums without damaging bead
- A recess on short leg of the clamps accommodates the bead of resealable drums
- For level lifting & dumping liquids, order twin lifter w/ back brace, No. 641-0402

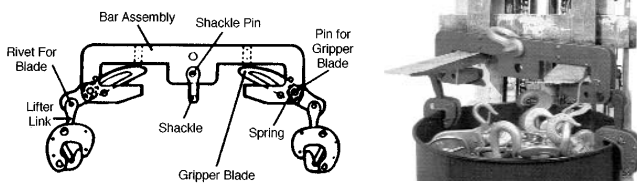


Merrill Model No.	Cat. No.	UPC No. 020418	WLL (ton)	Grip Range (in)	Overall Length (in)	Ht. Bearing Point to Grip (in)	Wt. (lb)
252	6410401	095672	1	17-1/2 - 25	28	12	22-3/4
252-BB	6410402	095689	1	17-1/2 - 25	28	12	24

Lifting Clamps

Fork Truck Drum Lifter, No. 260

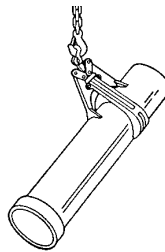
- Transforms any fork lift truck into an efficient drum handler
- Handles drums with or without heads
- With shackle reversed in body, a chain sling can be attached to lift many objects besides drums



Merril Model No.	Cat. No.	UPC No. 020418	Dimensions					WLL (lbs)		Wt. (lbs)
			Min. Space Between Forks (in)	Max. Outside Forks (in)	Fork Size, Max			Using Clamps (lbs)	Using Center Shackles (lbs)	
260	6410501	095696	5-1/2	18	Tkns. 1-3/4	Width (in) 6-1/4	Drum Dia. (in) 17-1/2 - 25	2000	6000	29

Pipe Grabs

When these high strength alloy pipe grabs are dropped over a pipe, they automatically clamp to the pipe. Moveable outriggers stabilize the pipe regardless of the pipe grabs position. The operator only has to guide the grab into place. No blocking required. Pipes can be handled quickly and efficiently when properly balanced. These pipe grabs provide an excellent means of handling cast iron, steel or asbestos cement pipe, or any cylindrical object that comes within the parameters of outside diameter and working load limits listed for each model number.



Pipe grab sizes listed will handle all classes in a category of ASA standard cast iron pipe or ASA standard steel welded and seamless pipe. Standard, extra strong & double extra strong

all have the same O.D. If models listed here do not meet your job requirements, please contact us. Pipe grabs for special sizes of pipe, tubing or any cylindrical object may be custom manufactured on a special order.

WARNING: Use pipe grabs only for pipe outside diameter as specified in the tables above for each model number. Do not exceed the working load limit.

For Cast Iron Pipe			For Steel Pipe			WLL (lbs)
Model No.	Pipe O.D. (in)	Wt. (lbs)	Model No.	Pipe O.D. (in)	Wt. (lbs)	
C-3	4.0	6	S-3	3.5	7	450
C-4	4.8	9	S-4	4.5	9	600
C-6	6.9	15	S-6	6.63	15	1,000
C-8	9.05	25	S-8	8.63	25	1,400
C-10	11.1	46	S-10	10.75	47	2,000
C-12	13.2	72	S-12	12.75	72	2,500
C-14	15.3	100	S-14	14.0	105	3,500
C-16	17.4	130	S-16	16.0	123	4,000
C-18	19.5	170	S-18	18.0	170	5,000
C-20	21.6	210	S-20	20.0	210	6,500
C-24	25.8	260	S-24	24.0	245	7,000

Model No.	Pipe Class Pipe Diameter In Inches								Wt. (lbs)	WLL (lbs)
	100	150	200	1500	2400	3300	4000	5000		
AC-4	4.90	5.07	5.33	4.81	4.87	5.03	-	-	10	600
AC-6	7.17	7.17	7.32	6.92	6.98	7.14	-	-	16	1000
AC-8	9.37	9.37	9.50	9.02	9.04	9.22	-	-	25	1400
AC-10	11.23	11.92	11.92	11.12	11.16	11.36	11.50	11.70	46	2000
AC-12	13.30	14.18	14.18	13.22	13.26	13.50	13.64	13.86	72	2500
AC-14	15.33	16.48	16.59	15.30	15.36	15.62	15.78	16.00	100	3500
AC-16	17.41	18.72	18.90	17.38	17.46	17.72	17.90	18.14	130	4000

Beam Clamps - JET

- 1 to 5 Ton capacity
- Clamp jaw is designed to reduce flange stress by distributing load away from I-Beam flange edge
- Can be mounted easily with threaded handle
- Fits a wide range of flange widths and beams
- Suspension bar provides lower headroom



Model No.	Stock No.	Rated Load (lbs)	Flange Width (in)	Net Wt. (lbs)
JBC-1	252710	2,000	2-31/32 - 8-21/32	11
JBC-2	252720	4,000	2-31/32 - 8-21/32	12
JBC-3	252730	6,000	3-15/16 - 9-27/32	26
JBC-5	252750	10,000	4-15/16 - 10-5/8	34

Beam Clamps

Beam clamps provide an efficient method for handling wide flange beam sections and plate girders. When lifting, they grip the beam at three points. When properly balanced and safely guided, the beam can be handled even if the clamp is slightly off center lengthwise.

Good safety procedures providing control of the lifted beam must be used. Beams should be gripped as near the center as possible. Snubbing lines at each end must be used to control excessive twisting or swinging, and to guide the beam to its proper place. Each lifting situation may have specific safety demands which should be used as required.

Beam clamps eliminate the need for slings, chokers, and spreader bars. The weight of the beam clamp automatically opens its tongs, which slide under the flanges of the beam. When the clamp is lifting, its center plate and gripping tongs work against each other—the heavier the beam, the greater the clamping pressure.

Model "NS" clamps have a recessed base to accept studs welded to a beam surface.

WARNING: Decreasing the load by bumping or substantial imbalance can, under certain circumstances, loosen the grip. Do not use on flange widths less than those specified on the name plate. Do not exceed working load limit.



Model No.	WLL (tons)	Flange Grip		Wt. (lbs)
		Width Range Min. - Max.	Depth	
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

Models AVL and VL

Locking Clamp/Horizontal to Vertical - 180° 1/2 through 20 Ton Rated Lift Capacities

- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 180° arc.
- Locks Open and Closed - Locks open to facilitate loading and unloading clamp. Locks closed onto material for a more secure lift.
- Gripping Cams - 2 through 20 ton lift capacities incorporate dual gripping cams. Increases grip on load for a more secure lift.
- Self-aligning Pivoting Die - Increased surface contact between load & clamp.
- Wide Jaw Openings - Wider range within rated lift capacity.
- High Strength Shock-resistant Steel - Provides for longer clamp life.
- Working Parts Enclosed - Protects parts for longer use.



Clamp Opening Dimensions for Models ALV & VL*

1/2 & 1 Ton AVL	1/2 & 1 Ton VL	2 Ton VL		3 Ton VL	
0 - 7/8"	0 - 1-3/8"	0 - 1-5/8"	1-1/2 - 2-3/4"	0 - 1-5/8"	1-1/2 - 2-3/4"
4 Ton VL			6 Ton VL		
0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"	0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"
8 Ton VL			10 Ton VL		
0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"	0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"
12 Ton VL			20 Ton VL		
1/2 - 3-1/8"	3 - 5-1/4"	5 - 7-1/4"	1/2 - 4-1/4"	4 - 7"	7 - 10"

*Please call for complete dimensional information

Models AVL and VL w/Stainless Gripping Cam and Die

Locking Clamp/Horizontal to Vertical - 180° 1/2 through 10 Ton Rated Lift Capacities

- Stainless Gripping Cam and Die - For handling stainless steel plate. Serrated for a more secure lift.
- 2 through 10 ton clamps incorporate dual gripping cams.
- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 180° arc.
- Locks Open and Closed



Lifting Clamps

Lifting Clamps

Models AVL and VL w/Auxiliary Lock

Horizontal to Vertical - 180°
1/2 through 10 Ton Rated Lift Capacities

- Auxiliary Lock - Provides for a double locking mechanism in the "lock closed" position.
- Locks Open and Closed
- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 180° arc.
- Contact us for information on additional features.



Models AVL and VL with Universal Shackle

Locking Clamp/Horizontal to Vertical - 180°
1/2 through 10 Ton Rated Lift Capacities

- Universal Shackle - Allows for side loading of lifting shackle up to 90°. The rate lift capacity is lowered as the angle of the pull increases
- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 180° arc.
- Locks Open and Closed
- Please call us for information on additional features.



Models AVL and VL with Universal Shackle and Auxiliary Lock

Locking Clamp/Horizontal to Vertical - 180°
1/2 through 10 Ton Rated Lift Capacities

- Includes the features for both the Universal Shackle and the Auxiliary Lock in one clamp.
- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 180° arc.



The universal shackles permits side loading of the lifting shackle at:
- 100% of rated capacity from vertical to 30°
- 75% of rated capacity between 30° & 45°
- 50% of rated capacity between 45° & 90°

Clamp Opening Dimensions for Models AVL & VL w/Stainless Gripping Cam & Die; Models AVL & VL w/Auxiliary*

1/2 & 1 Ton AVL	1/2 & 1 Ton VL	2 Ton VL		3 Ton VL	
0 - 7/8"	0 - 1-3/8"	0 - 1-5/8"	1-1/2 - 2-3/4"	0 - 1-5/8"	1-1/2 - 2-3/4"
4 Ton VL			6 Ton VL		
0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"	0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"
8 Ton VL			10 Ton VL		
0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"	0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"

*Please call us for Complete Dimensional Information.

Clamp Opening Dimensions for Models AVL & VL w/Universal Shackle & Models AVL & VL w/Universal Shackle & Auxiliary Lock*

1/2 & 1 Ton AVL	1/2 & 1 Ton VL	2 Ton VL		3 Ton VL	
0 - 7/8"	0 - 1-3/8"	0 - 1-5/8"	1-1/2 - 2-3/4"	0 - 1-5/8"	1-1/2 - 2-3/4"
4 Ton VL			6 Ton VL		
0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"	0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"
8 Ton VL			10 Ton VL		
0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"	0 - 2-5/8"	2-1/2 - 4-1/2"	4-1/2 - 6-1/2"
12 Ton VL			*Please call for complete dimensional information		
1/2 - 3-1/8"	3 - 5-1/4"	5 - 7-1/4"			

Models AVLC and VLC

Locks Closed Only/Horizontal to Vertical - 90°
1/2 Through 6 Ton Rated Lift Capacities

- Horizontal to Vertical Lift - Capable of turning a single steel plate from horizontal to vertical to horizontal through a 90° arc.
- Locks Closed Only - Locks closed onto material for a more secure lift.
- Gripping Cams - 2 through 6 ton lift capacities incorporate dual gripping cams. Increases grip on load for a more secure lift.
- Self-aligning Pivoting Die - increased surface contact between load & clamp.
- Wide Jaw Openings - Wider range within rated capacity.
- High Strength Shock-resistant Steel - Provides for longer clamp life.
- Working Parts Enclosed - Protects parts for longer use.



Clamp Opening Dimensions for AVLC & VLC Models*

1/2 & 1 Ton AVLC	1/2 & 1 Ton VLC	2 Ton VLC		3 Ton VLC	
0 - 7/8"	0 - 1-3/8"	0 - 1-5/8"	1-1/2 - 2-3/4"	0 - 1-5/8"	1-1/2 - 2-3/4"
4 Ton VLC			6 Ton VLC		
0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"	0 - 2-1/8"	2 - 3-3/4"	3-3/4 - 5-1/2"

Model AV and V

Non-Locking Clamp/Vertical Lift Only
1/2 Through 4 Ton Rated Lift Capacities

- Vertical Lift Only - Capable of lifting and transferring a single steel plate in a vertical position only. Constant tension must be applied throughout entire operation.
- Gripping Cams - 2 through 4 ton lift capacities incorporate dual gripping cams. Increases grip on load for a more secure lift.
- Self-aligning Pivoting Die - Increased surface contact between load and clamp.
- High Strength Shock-resistant Steel - Provides for longer clamp life.



Clamp Opening Dimensions for AV & V Models*

1/2 & 1 Ton AV	1/2 & 1 Ton V	2 Ton V	3 Ton V	4 Ton V
0 - 7/8"	0 - 1-3/8"	0 - 1-5/8"	0 - 1-5/8"	0 - 2-1/8"

Model HL

Non-Locking Clamp/Horizontal Lift Only
1/2 - 8 Ton Rated Lift Capacities Per Pair

- Horizontal Lifting Clamp - Used in pairs, sets of pairs, or in tripod arrangement to lift and transfer plate in a horizontal position only.
- Non-Locking
- Gripping Cams - Serrated gripping cam clamps onto the plate for a more secure lift. Also available with smooth gripping surface of bronze or stainless steel for handling polished metals. Dual Cam Model HL Clamps are also available.
- Jaw Openings - Special jaw openings available upon request.
- High Strength Shock-resistant Steel - Provides for longer clamp life.
- Rated Lift Capacities are Per Pair



Clamp Opening Dimensions for HL Models*

1/2 Ton	1 Ton	1-1/2 Ton	3 Ton	6 Ton	8 Ton
1"	1-1/4"	1-1/4"	1-1/4"	1-1/4"	1-7/8"

Lifting Clamps

IPUZ/Universal - For Lifting in Any Direction

The type IPUZ vertical lifting clamp is used for lifting, turning (180°) and vertical transfer of steel plates & constructions. The hinged hoisting eye allows the user to place & lift the load from virtually any direction. All IPUZ clamps are built with a latch that locks in both the open and closed positions. This allows the operator to easily position the clamp, close the latch and move away from the load before the lift begins. IPUZ clamps with working load limits of 12 tons & up have special hook-up devices built in to assist in the placement of these large-sized clamps.



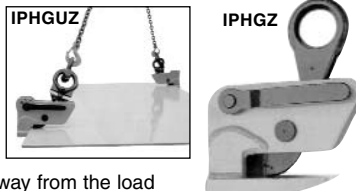
Higher working load limits and different jaw apertures are available upon request.

For stainless steel plates & constructions use the type IPURZ vertical lifting clamp. The IPURZ clamp has a cam segment & pivot made of stainless steel. All other parts & functions of the IPURZ clamp are identical to those of the IPUZ lifting clamp.

Model	Order No.	WLL per pce in t	Jaw Opening (in)	Wt. per Piece (lbs)
0,75 - IPUZ	5051	0,75	0 - 5/8	4
0,75 - IPSUZ	5052	0,75	5/8 - 1-1/4	4
0,75 - IPWGUNZ	1601	0,75	0 - 3/4	4
1,5 - IPUZ	5053	1,5	0 - 3/4	17
1,5 - IPSUZ	5054	1,5	3/4 - 1-5/8	17
1,5 - IPWGUZ	5186	1,5	0 - 1-3/8	17
3 - IPUZ	5055	3,0	0 - 1	35
3 - IPSUZ	5056	3,0	1 - 2	36
4,5 - IPUZ	5057	4,5	0 - 1	35
4,5 - IPSUZ	5058	4,5	1 - 2	37
6 - IPUNZ	5139	6,0	0 - 1-1/4	50
6 - IPSUNZ	5140	6,0	1-1/4 - 2-1/2	51
9 - IPUNZ	5141	9,0	0 - 1-5/8	63
9 - IPSUNZ	5142	9,0	1-5/8 - 3-1/8	64
12 - IPUNZ	5078	12,0	0 - 2-1/8	126
12 - IPSUNZ	5079	12,0	2-1/8 - 4-1/4	130
16 - IPUNZ	5093	16,0	1/4 - 2-1/2	174
16 - IPSUNZ	5094	16,0	2-1/2 - 5	203
22,5 - IPUNZ	5098	22,5	1/4 - 3-1/8	281
22,5 - IPSUNZ	5099	22,5	3-1/8 - 6-1/8	288
30 - IPUNZ	5112	30,0	1/4 - 3-1/8	337
30 - IPSUNZ	5113	30,0	3-1/8 - 6-1/8	364

IPHGZ/IPHGUZ - For Horizontal Transfer w/ Locking Device

The type IPHGZ and IPHGUZ horizontal lifting clamps are designed for the lifting and transfer in the horizontal position of steel plates including thin plates that sag. Both clamps have a latch which allows the operator to position the clamp and move away from the load before the lift begins. These clamps are also suitable for working in conjunction with an angle bench, guillotine, round roller, etc.



Available in two versions:

- 1 Type IPHGZ: with fixed hoisting eye.
- 2 Type IPHGUZ: with universal hoisting eye.

Higher working load limits and different jaw apertures are available upon request.

Model	Order No.	WLL per pce in t	Jaw Opening (in)	Wt. per Pce (lbs)
0,75 - IPHGZ	5451	0,75	0 - 1	8
1,5 - IPHGZ	5452	1,5	0 - 1	16
3 - IPHGZ	5453	3,0	0 - 1-1/2	27
4,5 - IPHGZ	5454	4,5	0 - 1-1/2	46
4,5 - IPHGZ-Z	3772	4,5	1/4 - 1-3/4	50
1,5 - IPHGUZ	5455	1,5	0 - 1	18

Fixed Jaw Adjustable Girder Clamps

These Fixed Jaw Adjustable Girder Clamps are truly versatile in application and may be used for lifting, pulling or as an anchor point. Designed specifically to provide maximum JAW GRIP ADJUSTMENT. These products are engineered for practical use where mobility is essential. The clamps are easily applied and do not require additional tools or width adjusting components such as spacing washers.

Model	WLL @ 0-15° Vert. (lbs)	Jaw Grip Adj. min-max (in)	Jaw Aperture (in)	Inside Shackle Crown to Spacer (in)	Ave. Wt. (lbs)
S1	4480	3 - 7-1/2	7/8	3-3/4	8.8
S2	6720	3 - 7-1/2	7/8	3-3/4	11.3
S2A	6720	3 - 7-1/2	7/8	3-3/4	16.3
S3	8960	6 - 10	7/8	3-9/10	22.9
S3X	11200	3 - 7-1/2	7/8	4-1/8	19.9
S3A	11200	6 - 12	1-5/8	4-1/8	32.8
S4S	13440	8 - 18	1-5/8	4-1/8	41.5
S4A	22400	8 - 18	1-5/8	5-1/8	60.2
S12	33600	8 - 18	2	5-7/8	118.4
S14	33600	16 - 24	2-1/2	5-7/8	126.1



Swivel Jaw Adjustable Girder Clamps

Swivel Jaw Adjustable Girder Clamps incorporate the additional benefit of horizontal jaw adjustment. This enables the full length & max. width of the swivel jaw to anchor evenly on a considerable surface area of the beam flange. Additional tools or width adjusting components are not required.

Model	WLL @ 0-15° Vert. (lbs)	Jaw Grip Adj. min - max (in)	Jaw Aperture (in)	Inside Shackle Crown to Spacer (in)	Ave. Wt. (lbs)
S5	6720	3-1/2 - 12	1	3-3/4	22.0
S5A	6720	3-1/2 - 12	1	4-1/8	30.4
S6	11200	3-1/2 - 12	1	4-1/8	30.4
S6A	11200	3-1/2 - 12	1	4-1/8	33.5
S11	22400	3-1/2 - 12	1	5-1/8	45.4



Permanently Fixed Adjustable Girder Clamps

Permanently Fixed Adjustable "SUPERCLAMP" Girder Clamps (PFC) are designed for light industrial applications, particularly where a permanent overhead anchor point is required. These high-strength, inexpensive, light weight clamps are excellent for application in small garages & hobbyist workshops.

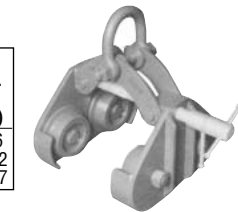
Model	WLL @ 0° Vert. (lbs)	Jaw Grip Adj. min - max (in)	Jaw Aperture (in)	Lifting Eye Vert. Aperture (in)	Ave. Wt. (lbs)
PFC1	2240	3 - 7-1/2	7/8	1-1/2	4.6
PFC2	4480	3 - 7-1/2	7/8	1-1/2	5.5
PFC3	6720	3 - 7-1/2	7/8	1-1/2	8.5



Adjustable Runway Beam Trolleys

"SUPERCLAMP" Adjustable Runway Beam Trolleys are of acknowledged and experienced design. The unique quality features of this new range of manual travelling gear are the Wheelguarding Anti-drop Plates, which are incorporated into the practical design of these transferable and mobile securing attachments. To complement this range, reference is made to "SUPERCLAMP" Geared Runway Beam Trolleys which allow additional ease of load conveyance.

Model	WLL @ 0° Vert. (lbs)	Width Adj. min-max (in)	To Accommodate Beam Flange Tkns. (max.) (in)	Inside Shackle Crown to Spacer (in)	Ave. Wt. (lbs)
B1	6720	3 - 8	1-1/8	4	60.6
B2	13440	4 - 12	1-1/4	4	107.2
B3	22400	4 - 12	1-1/2	5-1/8	158.7

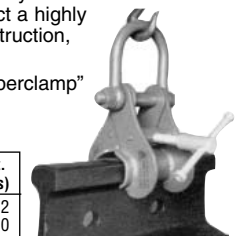


Adjustable Universal Rail Lifting Clamps

Developed for standard Rail Sections. The "SUPERCLAMP" Universal Rail Clamp is adjustable, and provides a reliable and secure grip on the rail when tightened. Its lightweight, versatile adjustability and low maintenance requirements makes this "SUPERCLAMP" product a highly recommendable unit for all engaged in Rail Construction, Rail Maintenance and Rail Manufacture.

For bridge type rails, standard S2A fixed jaw "Superclamp" girderclamp fits all sections.

Model	WLL @ 0° Vert. (lbs)	Jaw Grip Adj.	Inside Shackle Crown to Spacer (in)	Wt. (lbs)
R1	6720	All Std. Rail	3-3/4	13.2
R2	11200	Sections to 113 A	4-1/8	17.0



Autolock Runway Beam Trolleys w/ Anti-Drop Plates

A self locking "SUPERCLAMP" Unit with Anti-Drop Plates designed for maximum speed of application, minimum maintenance requirements and maximum safety. The practical and versatile design provides the user with a high quality product, tailored to the needs of those persons who require the use of securing attachments.

Model	WLL @ 0° Vert. (lbs)	Width Adj. Min - max (in)	To Accommodate Beam Flange Tkns (max) (in)	To Accommodate Flange Web (max) (in)	Inside Shackle to Trolley Body (in)	Ave. Wt. (lbs)
A1	6720	3 - 8	1-1/8	1-3/16	5-1/4	38.0
A2	13440	4 - 12	1-3/16	1-9/16	5-1/8	79.4
A3	22400	4 - 12	1-3/16	1-9/16	5-1/2	90.2



Lifting Clamps

Lifting Clamps

Geared Runway Beam Trolleys w/Anti-Drop Plates

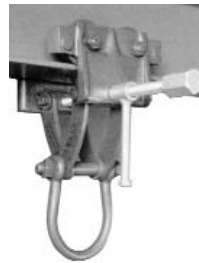
"SUPERCLAMP" Geared Runway Beam Trolleys have taken requirements of the user into consideration. Designed and manufactured with 'Anti-Drop Plates,' this product range assures ease of application in use, maximum safety and hold, and low maintenance requirements. As with all "SUPERCLAMP" products, the quality is of the highest standard to comply with user requirements.

Model	WLL @ 0° Vert. (lbs)	Width Adj. min-max (in)	To Accommodate Beam Flange Thickness (max) (in)	Inside Shackle Crown to Spacer (in)	Ave. Wt. (lbs)
GBT1	6720	3 - 8	1-1/8	4	70.5
GBT2	13440	4 - 12	1-1/4	4	122.3
GBT3	22400	4 - 12	1-1/2	5-1/8	168.7
GBT4	33600	8 - 18	3	8	300.0
GBT5	44800	8 - 18	3	8-3/4	358.0



Adjustable Runway Beam Trolleys w/Anti-Drop Plates

This range of lightweight handpush "SUPERCLAMP" Runway Beam Trolleys offers easy to use mobile securing attachments for load and lifting requirements. Developed for lighter industrial application, this product range is completely recommended for maintenance departments and must be an integrated part of every engineers tool kit. The left and right hand threaded adjusting bar only requires turning so as to ensure appropriate adaptation to a beam width, and the trolley is ready for use. No additional tools or width adjusting components required. Fitted with a width adjustment locking mechanism and Wheelguarding Anti-Drop Plates, this range of products could well be one of the great innovations to secure Safety and Health in the home workshop and at work.



Model	WLL @ 0° Vert. (lbs)	Width Adj. min-max (in)	To Accommodate Beam Flange Thickness (max) (in)	Inside Shackle Crown to Spacer (in)	Ave. Wt. (lbs)
BA1	2240	2-1/2 - 8	1	3-1/2	14.3
BA2	3360	3 - 8	1	3-1/2	15.9
BA3	4480	3 - 8	1	3-1/2	15.9

Adjustable Angle Section Clamp

This "SUPERCLAMP" product serves as an anchor or lifting point when attached to an overhead steel angle section approved for lifting applications. The "V-Block" Clamping Jaw ensures that the clamp is securely fixed to the Angle Section when adequately tightened. "SUPERCLAMP" Angle Section Clamps are designed for safety and versatility - each model being suited to accommodate a wide range of steel angle sections. No tools required as the Adjusting Mechanism is an integral part of the design features and incorporates an Adjusting Bar with handle.



Model	WLL @ 0° Vert. (lbs)	To Fit Angle Sections min-max (in)	Jaw Aperture (in)	Inside Shackle Crown to Spacer (in)	Inside Shackle Width (in)	Ave. Wt. (lbs)
AC1	1120	1-1/2 - 4	3/5	3-1/4	2-7/8	9.9
AC2	2240	1-1/2 - 4	3/5	3-1/4	2-7/8	12.1
AC3	3360	2 - 6	3/4	3-3/4	3-1/2	25.3
AC4	6720	4 - 8	1	5	3-5/8	47.5

Universal SUPERCLAMP

The Universal "SUPERCLAMP" has been designed not only for vertical use, but also for side load applications where conventional clamps are not suitable. The USC is truly versatile in application and can be used for lifting, pulling or as an anchor point.



Model	WLL (lbs)	Width Adj. min - max (in)	To Accommodate Beam Flange Thickness (in)	Head Room (in)	Max. Hook Size (in)	Max Web Tkns. (in)	Ave. Wt. (lbs)
USC1	2240	0 - 7-1/2	1	3-1/2	2-1/4	1-1/4	15.8
USC2	4480	0 - 7-1/2	1	3-1/2	2-1/4	1-1/4	17.6
USC3	6720	0 - 7-1/2	1	4	2-3/4	1-1/4	27.2

Pipe Lifting Clamps

"SUPERCLAMP" Pipe Lifting Clamps are designed for efficient and easy handling of cylindrical objects such as pipes or bars. The clamp is easily applied to cylindrical objects.

Model	WLL @ 0° Vert. (lbs)	Adj. to Fit Outside Dia. min - max (in)	Inside Shackle Crown to Spacer (in)	Inside Shackle Width (in)	Ave. Wt. (lbs)
P1	2240	2-1/2 - 4-1/2	3-1/4	2-7/8	15.0
P2	3360	4 - 7	3-1/4	2-7/8	31.0
P3	4480	5 - 9	3-1/4	2-7/8	41.0
P4	6720	7 - 11	5	3-3/8	70.0
P5	6720	8 - 13	5	3-3/8	80.0
P6	6720	9 - 15	5	3-3/8	76.3
P7	6720	10 - 17	5	3-3/8	110.0
P8	8960	12 - 19	5	3-3/8	140.0
P9	8960	16 - 24	5	3-3/8	169.0



Fixed Jaw Adjustable Girder Dog

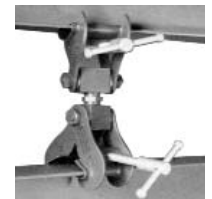
"SUPERCLAMP" GIRDERDOGS incorporate all of the reputedly excellent and reliable design features for which our products are known. The GIRDERDOGS design is enhanced by a well balanced distribution of side-plates, ensuring maximum grip and hold over an adequate length of Girder or Beam Flange. They are safe in use, and once in position, are easily applied to a steel beam. No additional width adjusting tools or components required.

Model	WLL @ 0° Vert. (lbs)	Jaw Grip Adj. Min - max (in)	Jaw Aperture (in)	Inside Shackle Crown to Spacer (in)	Inside Shackle Weight (in)	Ave. Wt. (lbs)
S15	44800	8 - 18	2	8-1/4	4-1/2	139.1
S16	44800	16 - 24	2-1/2	8-1/4	4-1/2	175.2
S17	56000	8 - 18	2	8-1/8	5	156.6
S18	56000	16 - 24	2-1/2	8-1/8	5	199.0
S19	67200	8 - 18	2-1/2	8-1/8	5	207.6
S20	67200	16 - 24	3	8-1/8	5	238.8



Adjustable Double Ended Monorail Construction Clamps

These Monorail Construction Clamps are designed to enable Speedy Erection of permanent or temporary Overhead Conveying Systems where existing steel girders are of an adequately balanced horizontal level. Both Clamps are fully adjustable by operating the left & right hand threaded adjusting bars incorporated into the unit. The designed-in Stationary Height Stabilizer Block ensures a rigid construction of the Unit. Additional tools or width adjusting components are not required to apply the unit onto existing steel girders.



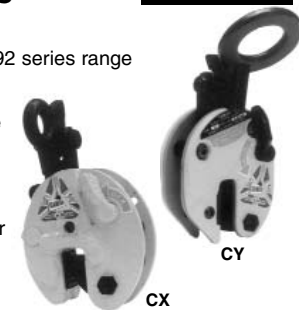
Model	WLL @ 0° Vertical (lbs)	Jaw Grip Adj. (in) min - max	Jaw Aperture (in)	Max. Ht. Adj. (in)	Ave. Wt. (lbs)
S7	6720	3 - 7-1/2	7/8	-	16.7
S7A	6720	3 - 7-1/2	7/8	1-1/4	17.2
S8	8960	6 - 10	1-5/8	-	33.6
S8A	11200	6 - 10	1-5/8	1-1/4	40.7

Hinged Universal Clamps Type CY and CX

The CY clamp is based on our successful 92 series range of clamps and incorporates the new universal hinged hooking.

The CX and CY Hinged Universal Plate Clamps have been developed especially for the handling of plate at any angle thus permitting the awkward lifts previously considered hazardous.

The CX clamp is particularly suitable for handling fabrications because of the facility of the lifting eye and link. The CX range is available with a special swivel hooking.



LIFT ONE PLATE ONLY AT A TIME

Suitable for all structural steel up to 300 Brinell surface hardness.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CY1	1	0-20	4.5
CY2	2	0-32	13
CY3	3	0-32	13.5
CX1	1	0-20	5
CX3	3	0-32	12
CX6	6	0-50	38

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CX6/L	6	50-100	48
CX8	8	0-50	39
CX8/L	8	50-100	51
CX10	10	0-50	61
CX10/L	10	50-100	76

Lifting Clamps

Universal Clamps 92 Series Type CZ92

These clamps lift and turn over plates in one smooth operation.

Developed after extensive research and field testing, the Universal Clamp enables plates to be turned over or lifted from the horizontal to the true vertical position.

Available with either standard hooking for use with existing sling hook, or with integral short chain sling for direct fitting on to the crane hook. Standard features include, hardened steel jaws for positive grip and locking mechanism.

CZ921.5, CZ922 and CZ923 clamps include a jaw and corresponding pad wear indicator to provide visible warning when replacement is required.

The CZ92 range of clamps can be specially reinforced to withstand frequent dragging. They can also be supplied with a heavy duty "sharp leg" where a wedge action is required to separate plates.

LIFT ONE PLATE ONLY AT A TIME

Suitable for all structural steel up to 300 Brinell surface hardness. For stainless steel and other materials please contact our sales office.

Note: CZ920.5 supplied without lock.

The Camlok CZ92 series can now be supplied with a chain type lock in place of the standard locking lever. It can be supplied to any clamp in the CZ92 range at no extra cost, just add the suffix "P".

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CZ920.5	0.5	0-16	1.4
CZ921.5	1.5	0-20	3
CZ922	2	0-32	8
CZ923	3	0-32	10
CZ924	4	0-32	12
CZ924/L	4	30-60	18
CZ926	6	0-50	21
CZ926/L	6	50-100	28
CZ928	8	0-50	26
CZ928/L	8	50-100	32

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CZ9210	10	0-50	30
CZ9210/L	10	50-100	37
CZ9212	12	0-50	54
CZ9212/L	12	50-100	63
CZ9215	15	0-50	75
CZ9215/L	15	50/100	88
CZ9220	20	0-65	123
CZ9220/L	20	65-130	136
CZ9230	30	0-65	195
CZ9230/L	30	65-130	295



High Grip Universal Clamp Type HG

These clamps develop a much higher grip on the lifted plate and are complementary to the Universal type. They are particularly suitable for lifting plates with hardened surfaces or stainless steel.

Available with either standard hooking for use with existing sling hook, or with integral short chain sling for safe direct fitting on to the crane hook.

LIFT ONE PLATE ONLY AT A TIME

Suitable for all structural steel up to 376 Brinell surface hardness.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
HG0.5	0.5	0-10	5
HG1	1	0-16	12
HG2	2	0-20	22
HG3	3	0-20	27
HG4	4	0-20	32



Camlok Gentle Grip Type TSS (Steel Jaws)

This clamp is specifically designed to lift without marking the surface. Particularly useful for lifting stainless steel when it is important not to impregnate the stainless steel with ferrous material.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
TSS0.75	0.75	0-16	5.2
TSS1.5	1.5	5-25	8.9
TSS3	3	5-30	14.3



Camlok Wide Jaw Gentle Grip Clamp Type TSB (Rubber Lined Jaws)

This clamp has hard rubber lined clamping jaws for handling loads that must not be marked.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
TSB0.35	0.35	0-65	8
TSB0.75	0.75	0-65	9
TSB0.25	1.25	0-65	12



Universal Plate Clamp Type CW Springlok

The Camlok CW series of clamps can lift and turn over plates in one smooth operation. The clamp is fitted with an over center spring mechanism which ensures that the moving jaw is in contact with the load (plate) when the clamp is in the closed position but holds the jaw open to allow easy fitting of the clamp to the plate. The mechanism is simply operated by pushing the clamp's hooking down into the clamp to lock it into the open position and pulling the hooking out of the clamp to lock it onto the plate.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CW1	1	0-20	3.5
CW3	3	0-32	10
CW5	5	0-40	18
CW10	10	0-50	30



Camlok Wide Mouth Clamps Type TH (Quick Opening)

These clamps lift and turn over plates in one smooth operation.

Designed for lifting and handling wide loads from 0-200mm thick. The clamp is provided with a lever operated opening device.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
TH0.35/100	0.35	0-100	7
TH0.35/200	0.35	90-200	14
TH0.75/100	0.75	0-100	8
TH0.75/200	0.75	90-200	15
TH1.25/100	1.25	0-100	12
TH1.25/200	1.25	90-200	20

Model	WLL (tons)	Plate (mm)	Wt. (kg)
TH2/100	2	0-100	17
TH2/200	2	90-200	27
TH3/90	3	0-90	22
TH5/90	5	0-90	23
TH5/170	5	80-170	40
TH10/100	10	0-100	63
TH10/200	10	90-200	70



Camlok Gentle Grip Universal Clamp Type LJ

The LJ range of clamps is specifically designed to lift plate without marking or damaging the surface finish. They are particularly suitable for lifting thin gauge steel plate, stainless steel and aluminum plate.

The clamp jaws are lined with chrome leather. The clamp is also suitable for use with steel of a hardness above 300 Brinell, e.g. "Hardox".

Model	WLL (tons)	Plate (mm)	Wt. (kg)
LJ0.5	0.5	0-10	3
LJ1.5	1.5	0-20	20



Girder Turning Clamp Type GT

This clamp has been specifically designed for handling and turning flanged rolled sections. The moving chain guide, which is incorporated into the clamp, changes the center of the lift so that the section can easily be turned.

Model	WLL (tons)	Flange (mm)	Wt. (kg)
GT1.5	1.5	5-15	7
GT3	3.0	5-20	14
GT4.5	4.5	10-30	19
GT7.5	7.5	10-35	35



Lifting Clamps

Lifting Clamps

Heavy Duty Bulb Section Clamp Type CB

Developed especially for the safe handling of bulb bar profiles and fabrications containing bulb bar in the shipbuilding industry.

Available with either standard hooking for use with existing sling hook, or with integral short chain sling for safe direct fitting on to the crane hook. All clamps fitted with Camlok safety locks.

Model	WLL (tons)	Max. Bulb (mm)	Min. Web (mm)	Wt. (kg)
CB0.75	0.75	40	6	6
CB1.5	1.5	60	10	12
CB3	3	83	12	32
CB4	4	83	12	42
CB6	6	83	12	44
CB8	8	83	12	50
CB10	10	87	12	57



Heavy Duty Girder Clamp Type CG

The Camlok Girder Clamp has been designed to meet the requirements of the heavy steel industry where the handling of larger sizes of beams presents a problem. It incorporates a positive lock on to one of the uppermost edges which will allow the beam to be set down with the web or flange vertical. This range can be supplied with either a locking lever or a chain type lock. Add suffix "P" for chain type lock.

Model	WLL (tons)	Flange (mm)	Wt. (kg)
CG1	1	0-16	5
CG2	2	0-32	14
CG4	4	0-32	19
CG6	6	12-50	37
CG8	8	12-50	40



Girder Clamps Type TTR

This clamp has been developed for handling structural beams with the flanges in a vertical position. The hooking is designed to be as near the center of gravity as possible resulting in a near horizontal lift.

Model	WLL (tons)	Flange (mm)	Wt. (kg)
TTR0.75	0.75	5-16	3
TTR1.5	1.5	5-25	8
TTR3	3	5-28	13



Girder Stacking Clamp Type GS

Specifically designed for the handling of rolled steel beams and joists when stacked horizontally. The unique design enables the beam to be lifted by one flange and transported horizontally.

Model	WLL (tons)	Beam Depth (mm)	Flange (mm)	Wt. (kg)
GS0.5	0.5	152-306	0-22	8
GS1	1	203-457	0-30	28



Horizontal Girder Clamp Type TTG with Safety Lock

The clamp is designed to lift and transport steel beams with the flanges in a horizontal position. The clamp is fitted with a locking lever and can be used in pairs or singly. Alternatively the clamp can be fitted with a chain type lock and handle to aid in the positioning on to the girder. Add suffix "P" for clamp with chain type lock.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
TTG1.5	1.5	0-30	5
TTG3	3	0-35	10
TTG4.5	4.5	0-40	14
TTG7.5	7.5	0-45	27



Heavy Duty Horizontal Plate Clamps Type CH and HH (Pairs)

Used in pairs this range of clamps is ideal for loading machines and moving plate material in the horizontal position. A single pair of clamps fitted to a two leg chain (max. sling angle 90°) is all that is required for lifting short lengths of plate. For long plates 2 pairs of clamps suspended by chain from a lifting beam must be used. The two jaws and wide toe plate give the clamp a stable grip on the plate. The integral shackle ring will accept chain sling hooks or wire ropes directly.

Maximum sling angle is 90°

The 1t units are of single cam construction an 8t HH units are manufactured from High Strength steel for ease of handling.

These clamps are supplied with smooth jaws. CH clamps are available with serrated teeth jaws.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CH1	1	5-32	8
CH2	2	5-32	11
CH2/L	2	20-50	12
CH4	4	5-50	17
CH4/L	4	50-100	23
CH6	6	5-75	46

Model	WLL (tons)	Plate (mm)	Wt. (kg)
CH6/L	6	50-125	56
CH8	8	5-75	53
CH8/L	8	50-125	60
HH8	8	5-50	21
HH/8L	8	50-100	28
CH10	10	5-100	95
CH10/L	10	50-150	108



Roller Toe Horizontal Clamps Type RH (Pairs)

The contact area feature a roller toe to assist correct location, and allows reduced marking during lifting.

Maximum sling angle is 90°

Model	WLL (tons)	Plate (mm)	Wt. (kg)
RH30	1.5	5-60	13
RH50	2.5	10-70	25
RH70	3.5	10-80	36
RH100	5	10-102	72



Sheet Bundle Horizontal Clamps Type SH (pairs)

These clamps are used in pairs on spreader beam for lifting bundles of plates.

Maximum sling angle is 90°

Model	WLL (tons)	Plate (mm)	Wt. (kg)
SH2	2	5-100	24
SH3	3	5-150	40
SH4	4	5-200	82



Horizontal Plate Clamps with Safety Lock Type THS

These clamps are designed for lifting and handling sheet steel plates. The clamp is particularly useful for loading plates into guillotines, presses, punching machines and folding presses. The locking mechanism is pre-tensioned ensuring a safe lift. These clamps can be used in pairs or singly.

Model	WLL (tons)	Plate (mm)	Wt. (kg)
THS0.75	0.75	0-20	3
THS1.5	1.5	0-35	6
THS3	3	0-40	10
THS4.5	4.5	0-45	16



Horizontal Thin Sheet Clamps Type THK (pairs)

A horizontal plate lifting clamp with reversed jaws designed to handle thin sheets that deflect when being lifted.

Clamps are used in pairs.

Maximum sling angle is 60°

Model	WLL (tons)	Plate (mm)	Wt. (kg)
THK0.75	0.75	0-25	3
THK1.5	1.5	0-35	6
THK3	3	0-35	12
THK4.5	4.5	0-45	28
THK6	6	0-60	28
THK9	9	0-60	42



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Lifting Clamps

Lifting Clamps

Screwcam Pulling Clamps Type TSD

Screwcam clamp for pulling in three planes. The design of this clamp allows for simultaneous loading in two directions.

Model	WLL (tons)	Plate Size (mm)	Wt. (kg)
TSD1.5	1.5	0-35	4
TSD3.0	3.0	0-35	6
TSD5.0	5.0	0-40	8
TSD7.5	7.5	0-40	13



Screwcam Plate Lifting Clamp Type TSG

These screw clamps are particularly suitable for handling plate at rolling and forming machines. The pivoting hooking allows the clamp to handle plate through a 180° arc.

Model	WLL (tons)	Jaw Cap. (mm)	Wt. (kg)
TSG0.5	0.5	0-20	4
TSG1.5	1.5	0-32	7
TSG3.0	3.0	0-50	9
TSG5.0	5.0	0-65	24



Rail Lifting Clamps Type CR

For handling rail sections. These clamps are designed to lift most size of rail now in use in the U.K.

Model	WLL (tons)	Wt. (kg)
CR750	1	13
CR21	2	13



Multi-Rail Lifting Clamps Type MR

These clamps facilitate fast bulk transfer of rail sections from rail stacks to wagons or ship holds.

The clamps retain the rails rigidly in a flange to flange position, thus eliminating the necessity of levering rails into position when stowing or fastening down wagons.

The clamps are normally used in pairs and have automatic double safety locks.

Hard rubber linings on the contacting parts prevent marking or damage to the rail head.

Rails may be inclined up to 25° to pass through hatchways of insufficient length.



Model	No. of Rails	WLL (tons)	Wt. (kg)
MR3	3	5	84
MR4	4	5	108
MR5	5	5	132
MR6	6	6	156

Model	No. of Rails	WLL (tons)	Wt. (kg)
MR7	7	7	180
MR8	8	8	204
MR10	10	10	252
MR12	12	12	300

Pile Pitching Clamp Type CP (Fitted with 15M or Rope)

These clamps are designed specifically for pitching sheet steel piling and have the advantage that a rope is fitted for easy release from ground level. This presents a quicker and safer method than the laborious procedure of release when using a standard shackle. These clamps are not designed to extract a driven pile and must not be used for this under any circumstances.

Model	WLL (tons)	Slot Depth (mm)	Slot Width (mm)	Pin Dia. (mm)	Wt. (kg)
CP2	2	228	20	20	19
CP3	3	228	26	30	23
CP5	5	228	35	30	33



Pile Pulling Clamps Type PP

The "CAMLOK" Pile Pulling Clamp is designed to pull out driven piles. The clamp has a narrow opening and deeper slot to ensure pile is gripped firmly. It is extremely difficult to determine the forces required to pull out a driven pile, contractors should therefore take extra care to ensure that the WLL of the clamp is not exceeded. Lifting appliances should preferably be fitted with a load indicator.

Model	WLL (tons)	Jaw Cap. (mm)	Wt. (kg)
PP8	8	0-30	28
PP12	12	0-30	52



Screwlok Clamps Type SC

Screwlok clamps are designed to fit the flanges of RSJ's and Universal beams as a semi-permanent lifting point suitable for use with powered hoist, chain blocks, Tirlfors etc. The SC range has a load pin incorporated for load suspension with reduced headroom.

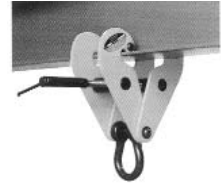
Model	WLL (tons)	Flange Size (mm)	Wt. (kg)
SC1	1	75-210	5
SC2	2	75-210	6
SC3	3	100-270	8
SC3/L	3	75-305	9
SC5	5	100-270	10
SC5/L	5	75-305	12
SC10	10	75-305	16



Screwlok Clamps Type SC92 Shackle Suspension

Screwlok clamps are designed to fit the flanges of RSJ's and Universal beams as a semi-permanent lifting point suitable for use with powered hoists, chain blocks, Tirlfors etc. The SC92 range has a shackle incorporated for load suspension.

Model	WLL (tons)	Flange Size (mm)	Wt. (kg)
SC921	1	75-210	5
SC922	2	75-210	6
SC923	3	100-270	8
SC923/L	3	75-305	9
SC925	5	100-270	10
SC925/L	5	75-305	12
SC9210	10	75-305	16



Gripping Force Indicator (Patent Pending) for SC and SC92 Screwlok Clamps

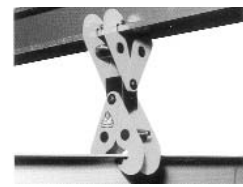
This unique device (patent pending) allows the operator to easily determine when the clamping jaws are clamped to the correct load tension. The device incorporates two colored cylindrical pins that protrude from the mechanism when the clamp is not attached properly. As the clamp is being tightened the pins retract, when they are flush with the clamp it is tightened correctly and safe to use. This eliminates the danger of guessing if the clamp is safely gripping the flange or not. Providing the safety instructions are followed the clamp can be used for attachment to the load to be lifted. Use the suffix "G" to designate gripping force indicator.



Twin Screwlok Clamps Type SC92T

The "CAMLOK" Twin Screwlok Clamps are designed to enable one beam to be suspended beneath another beam. Note these clamps can only be used with a minimum of 2 suspension points. Cantilevered loads on the bottom beam are not allowable. The photograph shows the rigid fixed suspension bracket. These are available with a single bolt swivel suspension bracket.

Model	WLL (tons)	Flange Size (mm)	Wt. (kg)
SC921 T	1	75-210	11
SC922 T	2	75-210	13
SC923 T	3	100-270	16
SC923/L T	3	75-305	20
SC925 T	5	100-270	23
SC925/L T	5	75-305	27
SC9210 T	10	75-305	37



Push Travel Screwlok Trolley Type TSC

The push travel Screwlok trolley clamp provides an easily moved temporary suspension point.

Model	WLL (tons)	Flange Size (mm)	Wt. (kg)
TSC1	1	75-210	6
TSC2	2	75-210	10
TSC3	3	90-210	15



Necks Girder Clamp Type NK

Can be moved from one girder to another in a matter of seconds without adjustment. Light in weight, robust in construction.

Model	WLL (tons)	Flange Size (mm)	Wt. (kg)
NK20	1	75-105	2
NK40	2	125-155	5
NK60	3	125-155	8
NK100	5	175-210	17

