Campbell®

CLAMPS

Campbell® Clamps Table of Contents

Though it began manufacturing operations in 1866, Campbell first made its lightweight, rugged plate lifting clamp in 1938. It was designed by an Englishman named Volz. Because it incorporated forged parts of heat treated, alloy steel, the Campbell clamp earned a worldwide reputation for reliability and long life. It is widely used by steel mills, warehouses and fabricating shops and is much preferred because its forged parts give increased strength yet are light-weight. And, they are readily available when servicing is required.

DNV Certification, Inc.
ISO 9001 REGISTERED FIRM

The Campbell operation facilities in York, PA, and Cortland, NY, conform to Quality Standard ISO 9001.

Clamps

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Campbell 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, contact your CooperTools salesman.

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.

All Working Load Limits are expressed in Metric Tons.
1 Metric Ton = 2,204.6 lbs.

WARNING

1. **Do not exceed Working Load Limit stamped on Clamp body.**
2. **Inspect clamp before each lift.**
3. **Stand clear of load when lifting.**
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. **Do not lift more than one plate or sheet at a time.**
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, use non-marring clamps only.**
12. **Campbell clamps are designed to be used at temperatures between 0°F and 200°F.**

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. Campbell clamps are built to withstand rough treatment, however, grit, dirt, sludge and mud should be removed. 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. The harder the plate is, the sooner the cam will be worn. 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 any one tooth is worn or chipped more than 50% along the length of its crown, the cam should be replaced.
Note: The Pad and Cam should be replaced at the same time.
2. Pads—The pads of "GX" and "E" clamps are held in with a bolt and can be replaced simply by removing the bolt. If any one tooth is worn or chipped more than 50% along the length of its crown, the pad should be replaced.
Note: The Pad and Cam should be replaced at the same time.
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 on the clamp body, as this may destroy the original heat treatment.
4. Linkage and Shackle Inspection—To remove the linkage from a "GX" clamp, remove the load pins from the body. 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, 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—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,

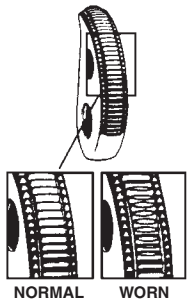
⚠ ADVERTENCIA

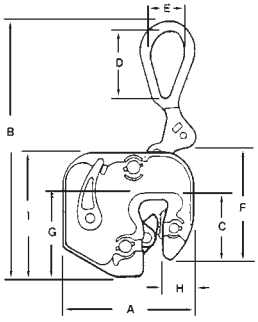
- Las mordazas en este catálogo no fueron diseñadas para ser utilizadas como conexión permanente de una placa o de otros objetos.
- El agarre depende de la fricción y de la presión entre ambas piezas. Si no se les da mantenimiento adecuado a las superficies de agarre y se utiliza la mordaza de manera inadecuada se puede caer la carga.
- Tenga mucha precaución cuando se va a elevar carga por encima de objetos o donde una falla puede ocasionar daños a la propiedad o lesiones personales.
- Lea los instructivos de uso y de mantenimiento.

⚠ 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, 2, and 3 ton capacity
- Can be used for both vertical and horizontal to vertical lifting through 180°
- 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
- **Note: The Pad and Cam should be replaced at the same time**
- Newly designed "Cam Engaging Locking 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
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp
- **Warning:** Never tamper with a clamp's tension arm and spring mechanism during a lift

Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
6422012	187049	1/16 - 5/8	2 - 16	5.5	2.50	1/2
6422001	185687	1/16 - 3/4	2 - 19	8	3.63	1
6422002	187032	1/16 - 7/8	2 - 23	10.5	4.77	2

Cat. No.	UPC No. 020418	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6422012	187049	5 15/16	151	10	254	2 1/8	54	2 5/8	67	2	51	4	102	3 1/4	83	1 3/16	30	5 3/16	132
6422001	185687	6 9/16	167	11 1/4	286	3 13/16	97	3 1/16	78	2 1/16	52	5	127	3 5/8	92	1 5/8	41	5 7/8	149
6422002	187032	7 1/4	184	12 1/8	308	2 9/16	65	3 5/16	84	2 1/4	57	4 7/8	124	3 1/2	89	1 5/8	41	5 15/16	151

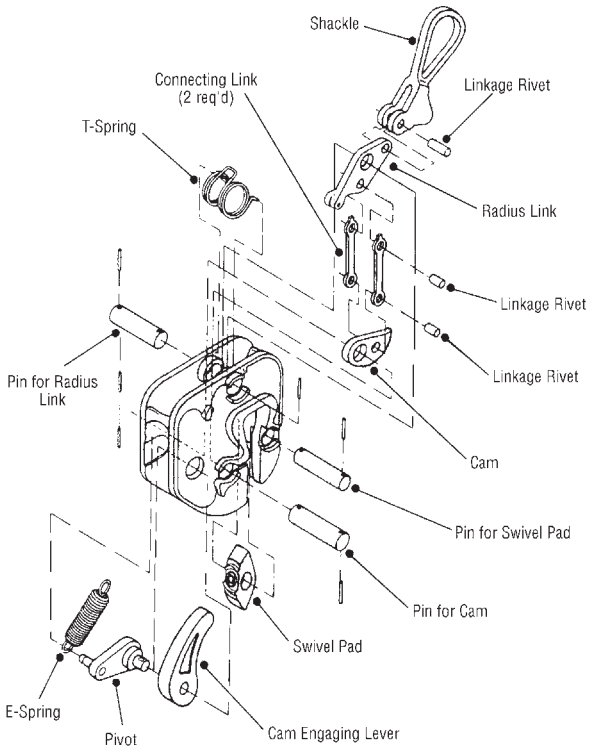
⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for "GXL" Clamps



6506200 Shackle Kit Components

Note: Shackle Kit is supplied pre-assembled (as shown above), to ensure proper assembly of linkage.

6506201 Cam / Pad Kit Components

Capacity	½ TON		1 TON		2 TON	
Part Name	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Shackle Kit	**6506200**	210204	**6506210**	210228	**6506220**	210242
Kit Includes: 1 Shackle, 1 Radius Link, 1 T-Spring, 2 Connecting Links, 1 Radius Link Pin, 1 Pivot, 1 Lever, 1 E-Spring, 1 Drive Pin, 3 Linkage Rivets						
Cam / Pad Kit	**6506201**	210211	**6506211**	210235	**6506221**	210259
Kit Includes: 1 Cam, 1 Pad, 1 Cam Pin, 1 Pad Pin, 1 T-Spring, 1 E-Spring, 1 Rivet, 4 Sel-locs						

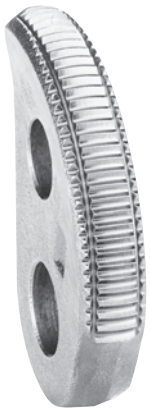
⚠ ADVERTENCIA

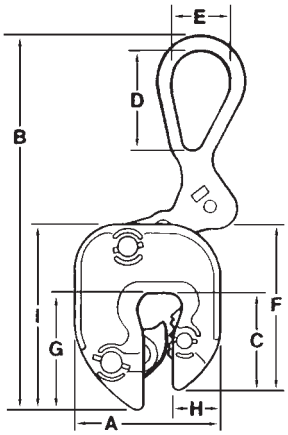
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

"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
- **Note: The Pad and Cam should be replaced at the same time**
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
6423000	172199	1/16 - 5/8	1 - 16	4	2	1/2
6423920	175657	5/8 - 1 1/8	16 - 28	5	2	1/2
6423005	172205	1/16 - 3/4	1 - 19	8	4	1
6423923	175664	3/4 - 1 3/8	19 - 35	9	4	1
6423010	172229	1/16 - 1	1 - 25	17	8	3
6423925	175671	1 - 1 3/4	25 - 44	20	9	3
6423015	177583	1/2 - 2	13 - 51	40	18	5

Cat. No.	UPC No. 020418	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6423000	172199	4	102	9 1/2	241	2 3/16	56	2 3/4	67	2	51	4 1/8	105	2 7/8	73	1 3/8	35	4 7/8	124
6423920	175657	5	127	9 1/2	241	2 3/16	56	2 5/8	67	2	51	4 1/8	105	2 7/8	73	1 5/8	41	4 7/8	124
6423005	172205	4 3/4	121	11 1/4	286	3 1/16	78	3 1/16	78	2 1/16	52	5 1/4	133	3 5/8	92	1 5/8	41	5 7/8	149
6423923	175664	5 7/8	149	11 1/4	286	3 1/16	78	3 1/16	78	2 1/16	52	5 1/4	133	3 5/8	92	1 5/8	54	5 7/8	149
6423010	172229	6	152	14	356	3 9/16	90	3 13/16	97	3	76	6 3/4	171	4 7/16	113	2	51	7 5/8	194
6423925	175671	7 1/4	184	14	356	3 9/16	90	3 13/16	97	3	76	6 3/4	171	4 7/16	113	2 1/4	57	7 5/8	194
6423015	177583	8 7/8	225	20	508	4 11/16	119	5	127	3 15/16	100	8 3/4	219	5 15/16	151	3 13/16	97	9 15/16	252

⚠ ADVERTENCIA

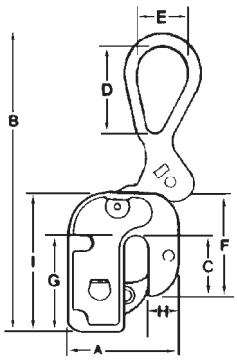
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Short Leg Structural "GX" Clamps

- Designed for a secure bite on small or odd shaped, wide flanged beams
- Can be used for both vertical and horizontal to vertical lifting through 180°
- Replacement parts are same as for standard "GX" clamps
- **Note: The Pad and Cam should be replaced at the same time**
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp



Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
6423100	177330	1/16 - 5/8	1 - 16	4	2	1/2
6423105	177347	1/16 - 3/4	1 - 19	7	3	1
6423108	183041	1/16 - 7/8	1 - 22	15	7	2
6423110	177354	1/16 - 1	1 - 25	18	8	3

Cat. No.	UPC No. 020418	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6423100	177330	4	102	9 1/2	241	2 1/8	54	2 5/8	67	2	51	4 1/16	103	2 7/8	73	1 3/8	35	4 3/4	121
6423105	177347	4 3/4	121	11 5/16	287	2 5/8	67	3 1/16	78	2 1/16	52	4 7/8	124	3 9/16	90	1 21/32	42	5 13/16	148
6423108	183041	5 1/8	130	12 1/8	308	2 5/8	67	3 5/16	84	2 1/4	57	5	127	3 9/16	90	1 5/8	41	5 15/16	151
6423110	177354	6	152	15 1/16	383	3 7/16	87	3 13/16	97	3	76	6 9/16	167	4 3/16	106	2	51	7 5/16	186

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

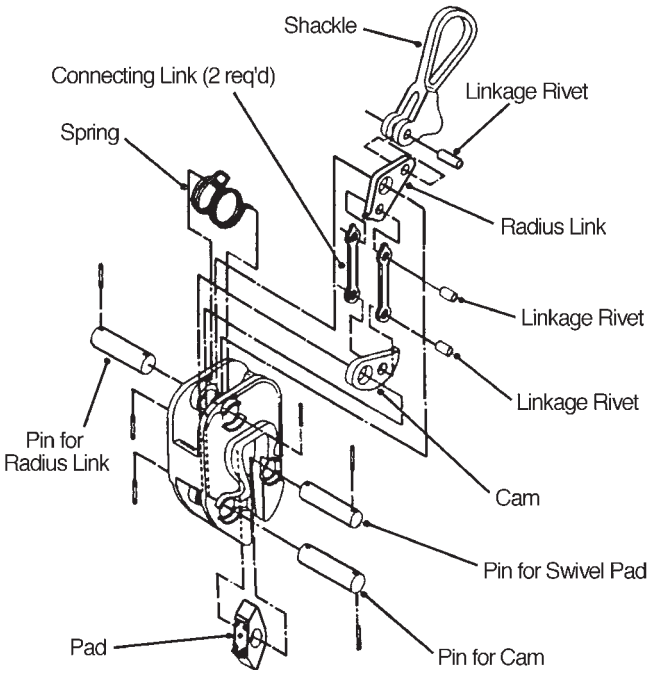
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for "GX" Clamps

6506000 Shackle Kit Components

Note: Shackle Kit is supplied pre-assembled (as shown above), to ensure proper assembly of linkage.

6506001 Cam / Pad Kit Components



Clamp Kit Parts Listing for GX Series Lifting Clamps

(Includes ALL GX, GX Short Leg Structural, and GX Sharp Leg Clamps)

Capacity	½ TON		1 TON		2 TON		3 TON		5 TON	
Part Name	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Shackle Kit	**6506000**	210013	**6506010**	210037	**6506020**	210051	**6506030**	210075	**6506050**	210099
Kit Includes: 1 Shackle, 1 Radius Link, 1 T-Spring, 2 Connecting, Links, 1 Radius Link Pin, 3 Linkage Rivets, 2 Sel-locs										
Cam / Pad Kit	**6506001**	210020	**6506011**	210044	**6506021**	210068	**6506031**	210082	**6506051**	210105
Kit Includes: 1 Cam, 1 Pad, 1 Cam Pin, 1 Pad Pin, 1 T-Spring, 1 Rivet, 4 Sel-locs										

Clamps

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Chain Connector Clamps

This clamp comes fitted with the chain connector in place of the clamp shackle. Use of this clamp increases the flexibility of multiple leg chain slings. The chain connector clamp is made of drop forged and heat treated alloy steel, and is available in the non-locking or small tonnage locking styles.

Cat. No.	UPC No. 020418	Working Load Limit Metric Ton	Grip Range in.	Grip Range mm	Weight lb	Weight kg
"GX" Style						
6423900	175947	½	1/16 - 5/16	1 - 16	5	2
6423905	175954	1	1/16 - 3/4	1 - 19	9	4
Short Leg Structural "GX" Style						
6423805	177378	1	1/16 - 3/4	1 - 19	10	5

Two-Part Chain Slings And Mini-Slings are available as illustrated, but on special order only. Slings employ alloy master link, Quik-Alloy coupling link(s), Campbell® Cam-Alloy chain and "GX", or Short Leg Structural "GX" style clamp(s) listed above.

Two-Part Sling

Mini-Sling

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 for lifting smooth polished plates and/or hard plates over 43 Rockwell C/400 Brinnell
- Lifts heavy plates with minimum marring
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
6423600	175916	1/16 - 3/8	1 - 9	6	3	½
6423605	175923	1/16 - 5/8	1 - 16	22	10	1

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

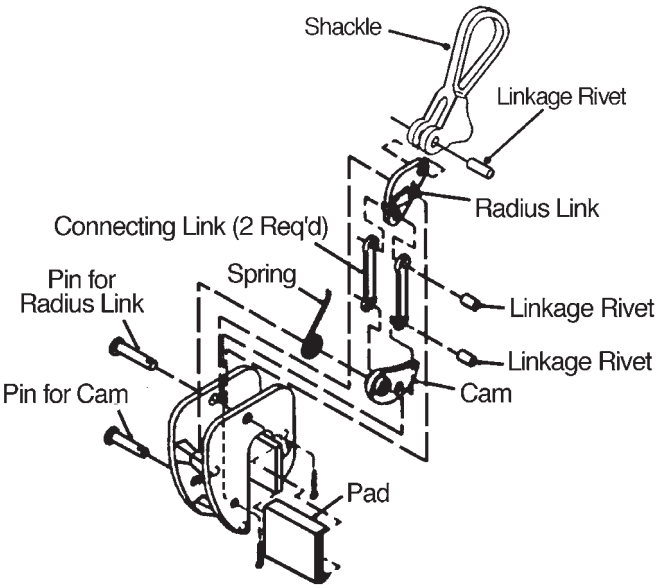
⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for "GX" Rubber Pad Clamps

6506060 Shackle Kit Components

Note: Shackle Kit is supplied pre-assembled (as shown above), to ensure proper assembly of linkage.



6506061 RPC Cam / Pad Kit Components

Capacity	½ TON		1 TON	
Part Name	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Shackle Kit	**6506060**	210280	**6506070**	210266
Kit Includes: 1 Shackle, 1 Radius Link, 1 T-Spring, 2 Connecting Links, 1 Radius Link Pin, 3 Linkage Rivets, 2 Sel-locs				
Cam / Pad Kit	**6506061**	210297	**6506071**	210273
Kit Includes: 1 Cam, 1 Rubber Pad, 1 Cam Pin, 1 Pad Pin, 1 T-Spring, 1 Rivet, 4 Sel-locs, 3 Screws				

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

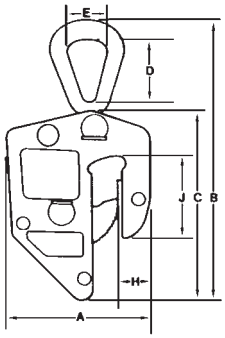
⚠ WARNING

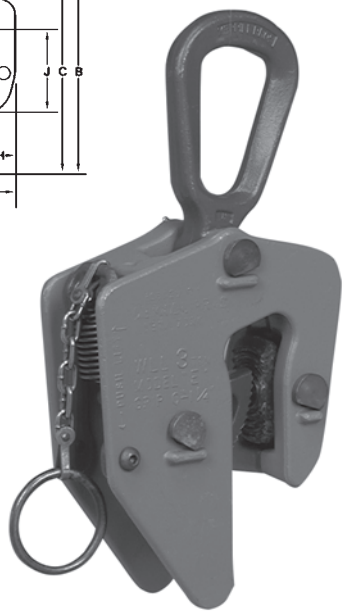
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Locking "E" Clamps

- Clamp lifts from either horizontal or vertical position
- Clamps turn plates through 90°
- Locks open or closed with a lever
- Has large throat that gives a secure bite and wide grip range
- Note: Be sure clamp is in lock closed position before making lift
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Warning: NEVER tamper with a clamps tension arm or spring mechanism during a lift.





Merrill Model No.	Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
3E	**6420701**	096112	0 - 1 1/4	0 - 32	20	9	3
5E	**6420702**	096129	0 - 1 1/2	0 - 38	28	13	5
5E	**6420703**	096136	1 1/4 - 2 1/2	32 - 64	33	15	5
8E	**6420705**	096150	1/2 - 2 1/2	13 - 64	81	37	8
8E	**6420706**	096167	2 - 4	51 - 102	84	38	8

Cat. No.	UPC No. 020418	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	H in.	H mm	J in.	J mm
6420701	096112	7 1/4	184	14 3/8	365	9 1/4	235	3 1/2	89	2	51	2	51	4 3/8	111
6420702	096129	8 7/8	225	16	406	10 1/2	267	3 1/2	89	2 1/2	64	2 11/16	68	5	127
6420703	096136	10 1/2	267	16 5/8	422	11 1/4	286	3 1/2	89	2 1/2	64	3 1/8	79	5 1/4	133
6420705	096150	14 1/8	359	22 3/4	578	15 3/4	400	5	127	3 1/2	89	4 7/8	124	8 1/2	216
6420706	096167	16	406	23	584	16 1/4	413	5	127	3 1/2	89	5 1/16	129	8 3/4	222

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

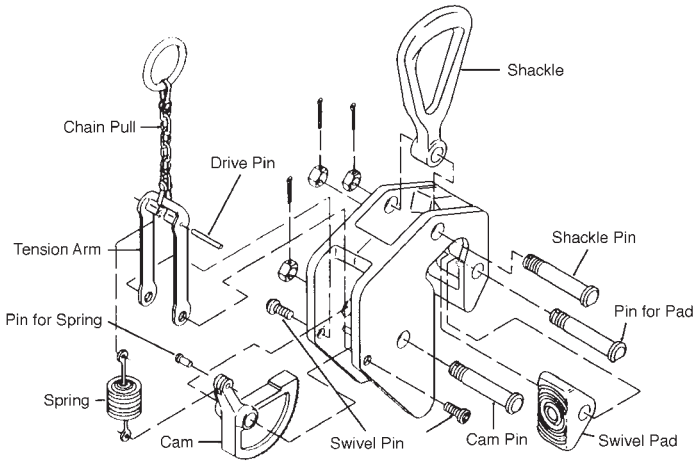
⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for Locking "E" Clamps

6507030 Shackle Kit Components

6507031 Cam / Pad Kit Components



Capacity	3 TON		5 TON		8 TON		8 TON		12 TON	
	All Grips		All Grips		½ " - 2 ½"		2 - 4" and 4 - 6"		All Grips	
Part Name	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Shackle Kit **Kit Includes:** 1 Shackle, 1 Shackle Bolt, 1 Nut, 1 Cotter Pin	**6507030**	210440	**6507050**	210464	**6507080**	210488	**6507082**	210426	**6507082**	210426
Cam / Pad Kit **Kit Includes:** 1 Cam, 1 Pad, 1 Cam Bolt, 1 Pad Bolt, 2 Nuts, 2 Rivets, 1 Drive Pin, 1 Spring, 1 Chain Pull, 1 Chain Pull Clip, 1 Tension Arm, 2 Swivel Pins, 2 Cotter Pins	**6507031**	210457	**6507051**	210471	**6507081**	210495	**6507081**	210495	**6507081**	210495

⚠ ADVERTENCIA

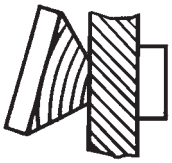
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

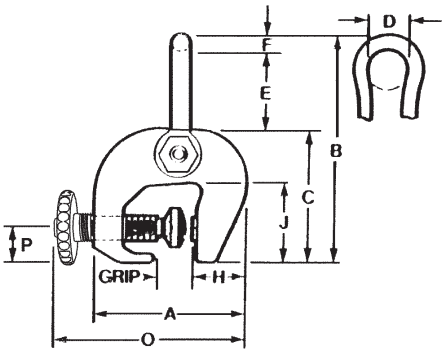
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

SAC (Screw-Adjusted Cam) Plate Clamps

Cam position under no load.



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



- 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
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Note: SCREW NEEDS TO BE HAND TIGHT ONLY! DO NOT OVERTIGHTEN.

Merrill Model No.	Cat No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
SAC-1	**6421000**	096396	0 - 1	0 - 25	6 1/4	3	1
SAC-3	**6421001**	096402	0 - 2	0 - 51	16	7	3
SAC-6	**6421002**	096419	0 - 3	0 - 76	40	18	6

Cat. No.	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	H in.	H mm	J in.	J mm	O** in.	O** mm	P in.	P mm
6421000	5 1/4	133	7 3/4	197	4	102	1 3/4	44	2 7/8	73	1/2	13	1 1/2	38	2 1/4	57	6 1/4	159	1 23/64	34.5
6421001	7 3/4	197	10 1/2	267	6 1/2	165	1 7/8	48	3 3/8	86	3/4	19	2 3/8	60	3 3/4	86	9 1/4	235	1 13/16	46
6421002	10	254	14 1/4	362	8 1/4	210	3 1/4	83	4 1/2	114	1 1/8	29	3	76	4 1/2	76	12	305	2 1/4	57

** At 0" grip.

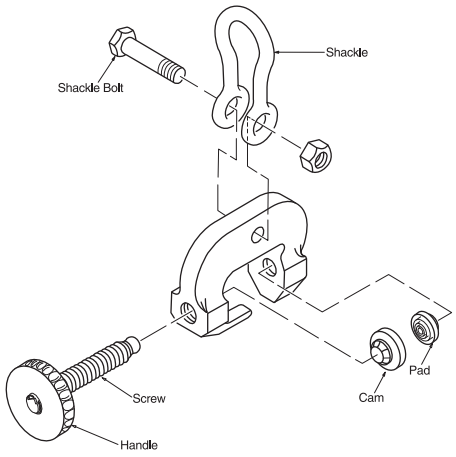
⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

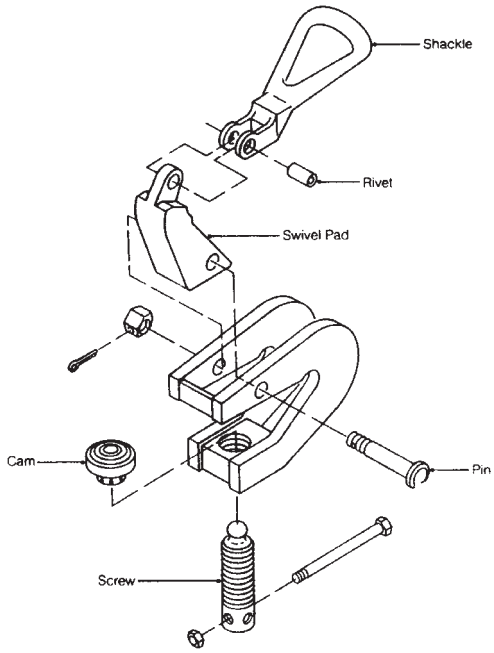
Replacement Parts for SAC Clamps



6501000 Cam / Pad Kit

Capacity	Campbell SAC-1, 1 Ton Clamp with 0-1" Grip Cat. No. 6421000		Campbell SAC-3, 3 Ton Clamp with 0-2" Grip Cat. No. 6421001		Campbell SAC-6, 6 Ton Clamp with 0-3" Grip Cat. No. 6421002	
Part Name	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
Cam / Pad Kit **Kit Includes:** 1 Cam, 1 Pad, 1 Pad Bolt, 1 Nut, 1 Washer	**6501000**	210112	**6501010**	210129	**6501020**	210136
Screw w/Handle Kit **Kit Includes:** 1Screw, 1 Handle	**6501101**	211942	**6501011**	211904	**6501021**	211928
Shackle w/Bolt Kit **Kit Includes:** 1Shackle, 1 Bolt, 1 Nut, 1 Cotter Key	**6501111**	211959	**6501012**	211911	**6501022**	211935

Replacement Part for Multipurpose SAC Clamps



Part Name	1 Ton Cat. No. 6421010			3 Ton Cat. No. 6421012		
	Merrill Part No.	Cat. No.	UPC No. 020418	Merrill Part No.	Cat. No.	UPC No. 020418
Cam	238	**6500238**	098376	338	**6500338**	098642

⚠ ADVERTENCIA

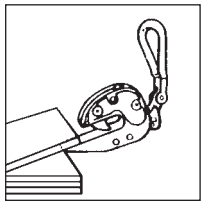
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

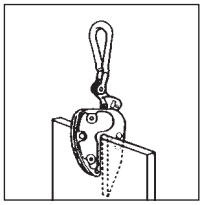
⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Sharp Leg Clamps, "GX" Style

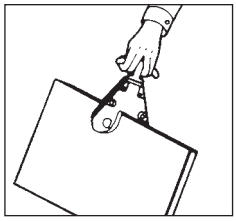
- Designed to lift plates from a stack from horizontal to vertical positions in a 90° arc (not 180°)
- The long sharp leg can be driven between the top two plates to fully engage the clamp
- 100% proof tested with certificate of test attached to each clamp
- Replacement parts are same as for standard "GX" clamps

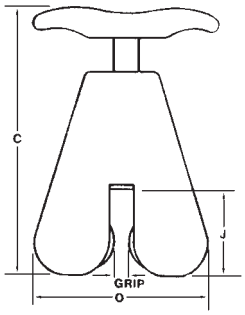




Cat. No.	UPC No. 020418	Grip Range in.	Grip Range mm	Clamp Weight lb	Clamp Weight kg	Working Load Limit Metric Ton
6423500	175534	1/16 - 5/8	1 - 16	5	2	1/2
6423505	175541	1/16 - 3/4	1 - 19	9	4	1
6423510	175558	1/16 - 1	1 - 25	26	12	3

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	Working Load Limit lb	Working Load Limit kg	Handle Length in.	Grip Range in.	Grip Range mm	Dimensions C in.	Dimensions C mm	Dimensions J in.	Dimensions J mm	Dimensions O in.	Dimensions O mm	Weight lb	Weight kg
3	**6421801**	096693	500	227	2	0 - 5/16	0 - 8	6	152	1 7/8	48	3 3/4	95	2	1
3	**6421802**	096709	500	227	Eye nut	0 - 5/16	0 - 8	8	203	1 7/8	48	3 3/4	95	2	1
3	**6421803**	096716	500	227	6	0 - 5/16	0 - 8	12	305	1 7/8	48	3 3/4	95	3	1
3	**6421805**	096723	500	227	10	0 - 5/16	0 - 8	16	406	1 7/8	48	3 3/4	95	3	1
3	**6421806**	096730	500	227	18	0 - 5/16	0 - 8	23	584	1 7/8	48	3 3/4	95	4	2

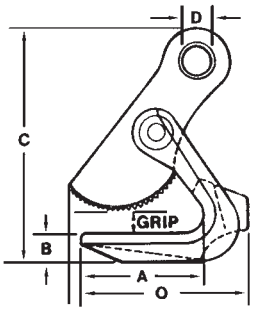
⚠ ADVERTENCIA

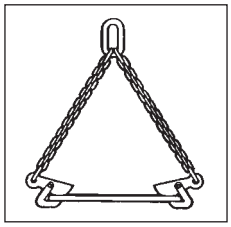
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

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 **ONLY**
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Merrill Part No.	Cat. No.	UPC No. 020418	Working Load Limit Per Pair Metric Ton	Grip Range in.	Grip Range mm	Cam Width in.	Cam Width mm	Width in.	Width mm	Dimensions A in.	Dimensions A mm	Dimensions B in.	Dimensions B mm	Dimensions C in.	Dimensions C mm	Dimensions D in.	Dimensions D mm	Dimensions O in.	Dimensions O mm	Weight Per Pair lb	Weight Per Pair kg
6H	**6421701**	096686	6	0-1 ½	0-38	5	127	¾	19	4½	114	1	25	8	203	1	25	7½	191	28	13.6

Replacement Parts for Horizontal Plate Clamp

Part Name	Cat. No.	UPC No. 020418
Cam Kit	**6501700**	210433
Kit Includes:		
1 Cam, 1 Cam Bolt, 2 Springs, 1 Nut		

⚠ ADVERTENCIA

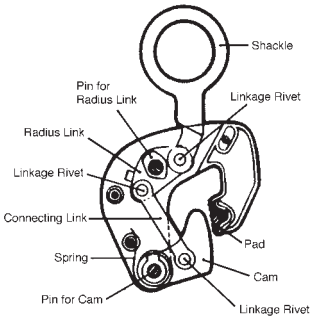
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Drum Handling Equipment, Single Drum Lifter, No. 52

- Lifts steel 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	Working Load Limit Metric Ton	Dimensions										Weight	
				Overall Width		Bearing to Pad Center		I.D. Eye		Bead Recess		Max. Jaw Opening			
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
52	**6410101**	095634	1/2	5	127	6	152	1 3/4	44	1/2 x 3/4	13 x 19	7/8	22	4 3/4	2

Replacement Parts for Drum Lifter, No. 52

Part Name	Pkg. Qty.	Merrill Part No.	Cat. No.	UPC No. 020418
Cam, Pad, Rivet and Spring	1 ea	K024	**6505011**	099823

Made to Order

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

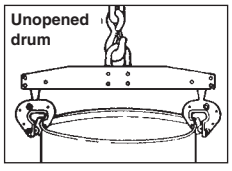
Chain Sling For Drums, No. 13

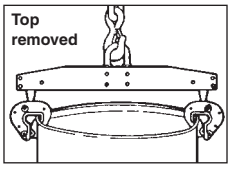
- Double sling assembly consisting of 9/32" alloy chain, two No. 52 drum lifters and CO-1 master link
- Chain legs connected by Quik-Alloy coupling links

Merrill Model No.	Cat. No.	UPC No. 020418	Complete Sling: Working Load Limit at 60° Metric Ton	Complete Sling: Overall Length in.	Complete Sling: Overall Length mm	Complete Sling: Alloy Chain Size in.	Complete Sling: Alloy Chain Size mm	Complete Sling: Weight lb	Complete Sling: Weight kg	Clamp Used: Merrill Clamp No.	Clamp Used: Cat. No.	Clamp Used: UPC No. 020418	Clamp Used: Working Load Limit ton	Clamp Used: Working Load Limit kg
13	**6410301**	095665	1	27	686	9/32	7	13	6	52	**6410101**	095634	1/2	454

Twin Drum Lifter, No. 252

- Handles both regular and resealable steel drums without damaging bead
- A recess on short leg of the clamps accommodates the bead of resealable drums





Merrill Model No.	Cat. No.	UPC No. 020418	Working Load Limit Metric Ton	Grip Range in.	Grip Range mm	Overall Length in.	Overall Length mm	Height Bearing Point to Grip in.	Height Bearing Point to Grip mm	Weight lb	Weight kg
252	**6410401**	095672	1	17 1/2 - 25	445 - 635	28	711	12	305	22 3/4	10

NOTE: Available replacement parts listed on previous page.

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

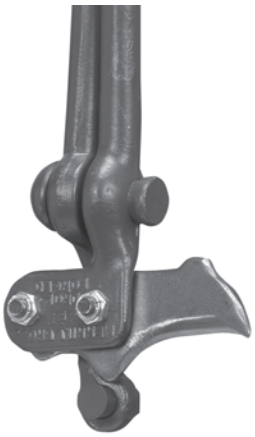
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Drum Deheader, No. 138

- All parts are drop forged and heat treated
- Cuts the heads out of steel drums without leaving dangerous edges
- Blade and fulcrum are detachable
- For initial cut, the tool has a point in the rear and a striking surface in front
- Available with either alloy blade or non-sparking blade

Drum Deheader Operating Instructions:

1) Open handles, place blade on top of steel drum so that pivot is on outside, below lip of drum, close handles.
2) Pry down so point of blade pierces lid. If needed, while prying down, strike back of blade with hammer.
3) Lift handle slightly, slide deheader forward, pry downwards to cut lid further.



Merrill Model No.	Cat. No.	UPC No. 020418	Description	Length of Tool in.	Length of Tool mm	Weight lb	Weight kg
138	**6410701**	095719	Deheader with alloy blade	24	610	5½	2
139	**6410702**	095726	Deheader with non-sparking blade	24	610	5½	2

Replacement Parts for Drum Deheader, No. 138

Part Name	Merrill Part No.	Cat. No.	UPC No. 020418	Weight, lb
Alloy Blade	140	**6500140**	098123	½
Non-sparking blade	141	**6500141**	098130	½

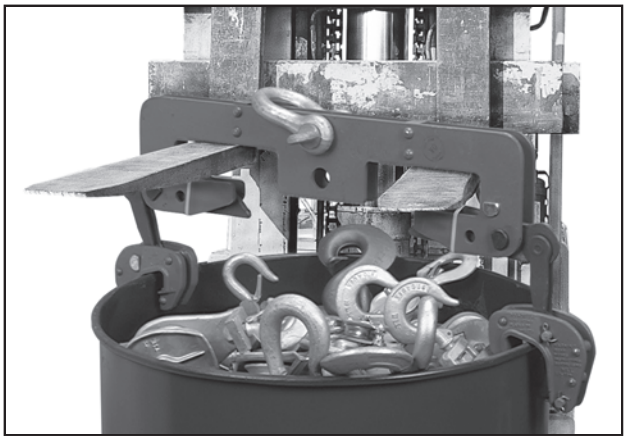
⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

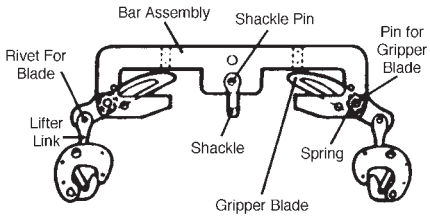
⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Fork Truck Drum Lifter, No. 260



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



Merrill Model No.	Cat. No.	UPC No. 020418	Dimensions										Working Load Limit		Weight	
			Min. Space Between Forks		Max. Outside Forks		Fork Size, Max									
							Thickness		Width		Drum Dia.		Using Clamps	Using Center Shackles		
			in.	mm	in.	mm	in.	mm	in.	mm	in.	lb	Metric Ton	Metric Ton	lb	kg
260	**6410501**	095696	5 ½	140	18	457	1 ¾	44	6 ¼	159	17 ½-25	445-635	1	3	29	13

Clamps

⚠ ADVERTENCIA

- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el límite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.