

CM[®] **CHAIN & RIGGING ATTACHMENTS**

SHACKLES

CHAIN & SYNTHETIC
SLING COMPONENTS

RIGGING HARDWARE

CLAMPS

TRANSPORTATION
CHAIN & ATTACHMENTS

SPECIALTY PRODUCTS



C O L U M B U S M c K I N N O N C O R P O R A T I O N

HOOKS

Whether you’re lifting, pulling, towing or securing loads, the Columbus McKinnon line of hooks has you covered. Our history in rigging-type products dates back more than 100 years, and we rely on this long-standing knowledge and expertise to develop durable and reliable hooks that can stand up to even the toughest overhead lifting and binding applications.

Available in numerous grades and materials, we have a variety of hook styles for both overhead and non-overhead lifting applications. Learn more about all of our available hook styles below.

OVERHEAD LIFTING HOOKS

Not all hooks are appropriate for overhead lifting. When choosing an overhead lifting hook, it’s important to consider the application you will be using it for. If you are lifting a plate, you may need one type of hook, while lifting a vehicle engine may require another. **Only Grade 80 and Grade 100 alloy hooks should be used in overhead lifting applications.** CM dual rates many Grade 80 and Grade 100 hooks to minimize inventory requirements for our distributors and create more versatility for riggers. Below are various types of hooks CM recommends for overhead lifting applications.

CLEVLOK® HOOKS

CM trademarked Clevlok® Herc-Alloy® Hooks are typically used for overhead lifting applications. This line of hooks offers easy installation in the shop or in the field. These hooks are 100% proof tested at the factory, thus requiring no additional testing once installed.



Grab Hooks with and without Cradle



Sling Hooks



Foundry Hooks



Latchlok® Hooks

EYE HOOKS

CM Herc-Alloy® Eye Hooks are an excellent choice for welded assemblies. For some applications, they also may be used with mechanical couplers such as the CM Hammerlok®. These hooks are designed for overhead lifting and can be used in place of Clevlok® hooks if preferred. Overhead lifting eye hooks are 100% proof tested at the factory, thus requiring no additional testing once installed using the CM Hammerlok.



Grab Hooks with Cradle



Sling Hooks



Foundry Hooks



Latchlok® Hooks



Rigging Hooks

“S” HOOKS

CM Herc-Alloy® “S” Hooks are built and designed for special lifting applications. CM “S” hooks are 100% proof tested at the factory and can be used for various applications where a wide throat opening is desired.

PLATE HOOKS

CM Herc-Alloy® Plate Hooks are designed for lifting plate material, like steel, in vertical and horizontal orientations. Plate hooks should be used in pairs and careful attention should be paid to sling angles when determining the working load limit.



SORTING HOOKS

CM Sorting Hooks are designed to lift and move material with long narrow throat openings. Sorting hooks are 100% proof tested and are available with and without handles.



HOOKS FOR USE WITH SYNTHETICS

CM manufactures a line of hooks designed specifically for use with synthetic slings.



Quick Connect™ Hooks



Flat Eye Rigging Hooks

NON-OVERHEAD LIFTING HOOKS

Non-overhead lifting hooks are designed for pulling or load securement application. These hooks do not have the same requirements as those used for overhead lifting. Non-overhead lifting hooks are available in Grades 30, 43, and 70. Grade 80 hooks that are not suitable for overhead lifting are marked T-80 and should only be used for load securement.

CLEVIS HOOKS (NON-CRADLE GRAB & SLIP HOOKS)

Clevis Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. Clevis hooks are easy to install in the field and can be used in combination with various grades of chain including Grade 30, 43, 70 and 80. These feature a U-shaped attachment point with a pin to secure chain or other rigging attachments. Different grades of clevis hooks have different working load limits, therefore you must ensure you use the correct hook grade and size for your application.



Grab Hooks



Slip Hooks

EYE HOOKS (NON-CRADLE GRAB & SLIP HOOKS)

Standard Eye Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. Eye hooks are used in combination with various grades of chain including Grade 30, 43, 70 and 80. Eye hooks feature a simple circular attachment point for rigging chain or other attachments. Different grades of eye hooks have different working load limits, therefore you must ensure you use the correct hook grade and size for your application.



Grab Hooks



Slip Hooks

HOOK INSPECTION & USE

INSPECTION:

- ▲ Discard hooks that are worn more than 10% of the original dimension or are worn beyond a specific dimension or tolerance as provided in a wear allowance table, chart or diagram.
- ▲ Discard hooks that have an increase in throat or slot opening more than 5% of the original opening (not to exceed 1/4 inch).
- ▲ Discard hooks with any visibly apparent bend or twist from the plane of the unbent hook.
- ▲ Replace load pins that are permanently distorted.
- ▲ Hooks should not be subjected to bending, exposed to sharp objects or tip loaded.
- ▲ Replacement load pins shall be obtained from the manufacturer of the hook.

USE:

- ▲ Care should be exercised during use, so the hook is not abused or damaged.
- ▲ Hooks attached to chain should be selected to match the size and working load limit of the chain.
- ▲ Do not exceed the working load limit or shock load the chain or attachments. Loads applied rapidly or dropped freely can result in serious overloading of the hook.
- ▲ Use proper size chain in the throat of the grab hook.
- ▲ Hooks should not be subjected to bending, exposed to sharp objects, tip loaded (unless specified by the manufacturer) or loaded in a manner inconsistent with its design.
- ▲ Avoid exposure to corrosive mediums or high temperatures that could affect the thermal treatment and strength of the hook.
- ▲ Hooks can be used from -40 degrees F to 400 degrees F without reduction of working load limit. Call the manufacturer if you exceed these temperatures.

Refer to American Society of Mechanical Engineers ASME B30.10 for a discussion of hooks, inspection procedures and operating practices.

HOOK LATCHES



CORRECT



INCORRECT

Hook latches (when required) must be in good working condition. If not, the hook should be removed from service.

NEVER TIP LOAD A HOOK!

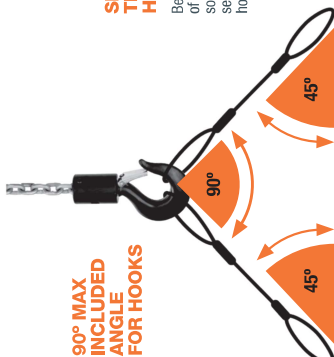


CORRECT



INCORRECT

90° MAX INCLUDED ANGLE FOR HOOKS

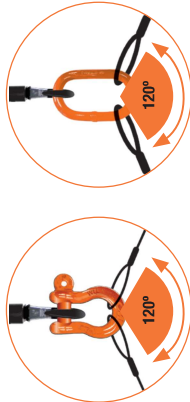


SELECTING THE RIGHT SIZE HOOK/SLING

Be sure the component is of adequate size and shape so that it can be properly seated in the saddle of hook or lifting device.

LOW HORIZONTAL ANGLES

Use a stackle or oblong master link when working with low horizontal angles. Both can be used with included angles up to 120°.



Always verify manufacturer's information prior to use.

LOAD SECUREMENT OVERVIEW

Load securement, also known as tie-down or load binding, can be a complex rigging application that often has strict specifications and regulations. CM offers a number of load securement products, including load binders, binder chain assemblies and tie-down hooks, that help you safely secure loads for transport as well as meet federal, state and Commerical Vehicle Safety Alliance (CVSA) regulations. Our load securement products comply with the National Association of Chain Manufacturers (NACM) Welded Steel Chain specifications and the American Society of Testing and Materials (ASTM) specifications. They are also designed to meet applicable Federal Motor Carrier Safety Administration (FMCSA) rules for cargo securement.

LOAD BINDERS

Load Binders are typically used to take up slack and apply tension to a tie-down system. Designed primarily for use with graded chains, they can also be used with cable, steel strap or fiber webbing to secure loads in a variety of applications. Load binders are available in two general configurations: **Lever-type** (over the center) and **Ratchet-type**. CM load binders are rated by working load limit and are provided with the appropriate hooks to accept the chain size and grade consistent with the binder's load rating.

LEVER-TYPE LOAD BINDERS

Lever-Type, or over-the-center, Binders utilize mechanical advantage to reduce the manpower required to secure a load. When using a lever-type load binder, tension can be applied and released quickly. Operators should use caution, as the handle may whip suddenly. When securement is complete, the lever stores in line with load.

RATCHET-TYPE LOAD BINDERS

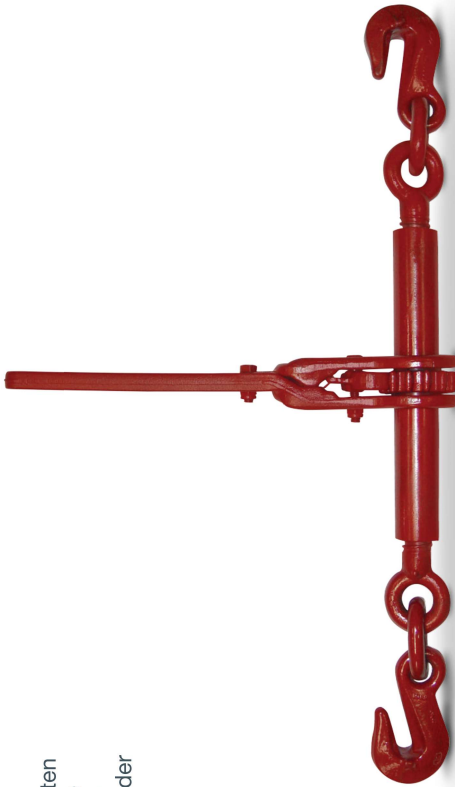
Ratchet Binders utilize a screw or rotating motion to tighten and secure loads. Ratchet binders tighten slower but are easier to operate than lever-type load binders. They also do not require a handle to lock in place to ensure the binder stays tightened. Available with a variety of end fittings.

RIVER RATCHETS

River Ratchets operate similar to ratchet-type load binders, but have a substantially larger capacity. Typically, these ratchets are used to gang barges utilizing a gravity-operated, loose pawl design. River ratchets are available with a variety of attachments.



Lever-Type Load Binder



Ratchet-Type Load Binder



River Ratchet

BINDER CHAIN ASSEMBLIES

Binder Chain Assemblies are most often used to secure loads to trucks, rail cars or truck trailers. They typically consist of a length of chain ranging from 6 to 26 feet in length with a grab hook at each end. The grab hook can be clevis style or eye style depending on your application. Standard binder chain assemblies are available in Grades 30, 43, 70, 80 and 100.

CLEVIS HOOK ASSEMBLIES

Clevis Hook Assemblies are available in various lengths and grades, depending on your application. CM offers different dimensional binder chains as part of these assemblies, including short link chain, which provides you with easier take up and better cornering, or traditional pitch chain that gives you less pounds per foot in weight.



EYE HOOK ASSEMBLIES

Similar to CM clevis hook assemblies, Eye Hook Assemblies prevent the loss or theft of hooks from the binder chain. Eye hook assemblies are offered with short or traditional pitch chain.



TIE-DOWN HOOKS

Tie-down Hooks come in various grades, designs and installation types. Both clevis and eye style tie-down hooks are high-quality forgings made here in the U.S. The clevis style hook is most popular because of the ability to self-install with limited need for tools. The eye style hook is typically factory installed during a welding process, but is beneficial in that it protects against loss or theft of the hook.

GRADE 30 & 43 HIGH TEST HOOKS

Grade 30 and 43 Hooks are dual rated, allowing the operator to use with both grades of chain. Grade 30 and 43 hooks are available in both clevis and eye types in either slip or grab styles and should be selected based on the type and grade of chain being used in the application. Available in self-colored or zinc-plated finishes.



GRADE 70 TRANSPORT HOOKS

Transport Hooks are available in both clevis and eye types in either slip or grab styles. These hooks are rated for use with Grade 70 chain and are available in self-colored or yellow chromate finishes.



GRADE 80 HEAVY-DUTY HOOKS

Grade 80 Hooks available in both clevis and eye types in either slip or grab styles and are rated for use with Grade 80 chain. Grade 80 hooks that are marked "T80" should not be used for overhead lifting. These hooks are available in self-colored or orange powder-coated finishes.



WARNING

Improper use or care of load binders can result in bodily injury or property damage. To avoid injury:

- ▲ Never exceed working load limit.
- ▲ Always inspect binder before use for wear, damage, and elongation.
- ▲ Do not use cheater bar or handle extension.
- ▲ Do not operate load binder while anyone is on the load.
- ▲ Release load on lever type binders with extreme care. Make sure everyone is clear of the load. Handle may whip suddenly.

CHAIN SLING COMPONENTS OVERVIEW

Chain slings are a combination of chain, hooks, rings and other attachments used primarily for overhead lifting. CM's selection of Grade 80 and Grade 100 chain and attachments can be combined in a variety of configurations to fit virtually any application.

THE STRENGTH OF CM HERC-ALLOY®

Made in America, CM Herc-Alloy® 800 and 1000 products are made of superior triple alloy steel that provides the best strength-to-weight performance in the industry. These products also meet and exceed ASTM A973 standards. Herc-Alloy® is now one of the most recognized and trusted brands in the rigging industry and is only offered by Columbus McKinnon.

DUAL-RATED RIGGING ATTACHMENTS

To help customers reduce and better manage their rigging inventory, Columbus McKinnon has developed several dual-rated rigging attachments that can be used for both Grade 80 and Grade 100 applications. Forged in the U.S.A, CM dual-rated rigging products are the best choice for even the toughest overhead lifting applications.

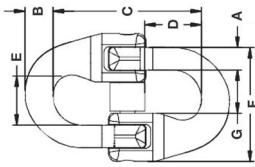


HAMMERLOK®

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- Used for overhead lifting slings
- Constructed of drop forged alloy steel to connect chain branches to the master link and the hook
- Do not use for chain repair or splicing to attachments
- Meets ASTM A952 standards
- 4:1 design factor



Size (in.)	Working Load Limit (lbs.)	Product Code	Load Pin Kit Product Code	Dimensions (in.)							Weight (lbs.)	
				A (Max)	B (Max)	C	D	E	F	G		
7/32	2,700	667021-2	R667021-2	0.29	0.28	1.85	0.69	0.61	1.44	0.52	0.27	
9/32	4,300	667028-2	R667028-2	0.37	0.44	1.94	0.69	0.68	1.58	0.61	0.28	
3/8	8,800	667038-2	R667038-2	0.52	0.50	3.02	1.15	1.05	2.33	0.81	0.84	
1/2	15,000	667050-2	R667050-2	0.64	0.68	3.79	1.43	1.29	2.98	1.10	1.87	
5/8	22,600	667062-2	R667062-2	0.81	0.91	4.50	1.70	1.54	3.57	1.32	3.13	
3/4	35,300	667075-2	R667075-2	0.97	1.07	5.36	2.06	1.78	4.69	1.52	5.75	

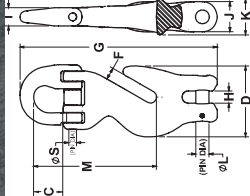


CHAIN SHORTENER HERC-ALLOY® 1000

WORKING LOAD LIMIT: 4,300 TO 22,600 LBS.

BENEFITS & FEATURES

- Quickly and easily adjust chain length of sling when the load has uneven pick points
- Durable orange powder coated finish
- Marked with both fraction and metric sizes
- Forged alloy steel – quenched & tempered
- Mechanically attaches directly to master ring
- 4:1 design factor

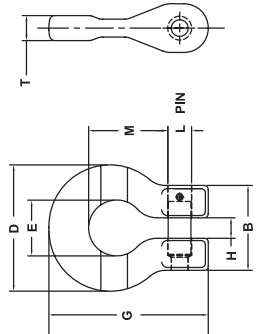


OMEGALOK CONNECTOR

WORKING LOAD LIMIT: 3,500 TO 22,600 LBS.

BENEFITS & FEATURES

- Fraction and metric markings
- Durable orange powder coated finish
- 100% proof tested
- For use with master link with flats (see page 77)
- 4:1 design factor



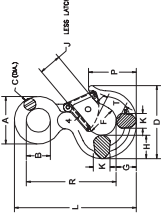
Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code		Dimensions (in.)							Weight (lbs.)	
			Completed Unit	Load Pin	Retainer Pin	B	D	E	G	H	L	M	T
9/32	4,300	12	644128	595780SP	602306	1.36	2.30	0.98	2.81	0.33	0.36	1.45	0.43
3/8	8,800	12	644138	595781	495828	1.90	2.82	1.25	3.57	0.45	0.51	1.77	0.57
1/2*	15,000	12	644150	SP595782P	495829	2.31	3.52	1.56	4.44	0.59	0.63	2.26	0.70
5/8*	22,600	5	644162	SP595783P	495823	2.87	4.46	2.00	5.45	0.75	0.75	2.72	0.88

RIGGING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 22,600 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Large eye to easily accommodate other fittings
- Quenched & tempered alloy steel
- Durable orange powder coated finish
- 5:1 design factor
- Meets ASTM A952 standards
- Meets ASME B30.10



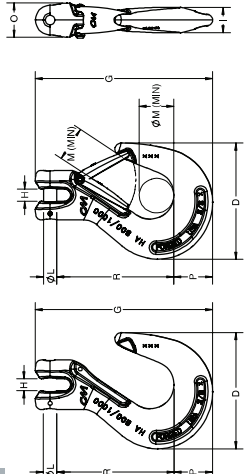
CLEVLOK® SLING HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Fatigue rated to Grade 100 specifications
- 100% proof tested
- Durable orange powder coated finish
- Improved cast latch
- New CE compliant hooks and latches
- Meets EN 1677 and ASTM A952 standards
- Fraction and metric markings
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in.)							Weight (lbs.)	
			With Latch	Without Latch	Alloy Load Retaining Pin	D	G	H	I	L	M	O	P	R
7/32	2,700	10	657716	557716	4X455321 SP595778P	495827	3.05	5.00	0.31	0.66	0.28	0.96	1.13	0.94
9/32	4,300	10	657718	557718	4X455322 595780SP	495827	3.53	5.55	0.38	0.75	0.36	0.83	1.32	1.11
3/8	8,800	10	657719	557719	4X455325 595781	495828	4.54	6.93	0.47	1.00	0.51	1.06	1.34	1.51
1/2	15,000	5	657720	557720	4X455328 SP595782P	495823	5.48	8.28	0.58	1.33	0.63	1.38	1.87	1.55
5/8	22,600	5	657721	557721	4X455329 SP595783P	495849	6.20	9.61	0.71	1.47	0.75	1.69	2.11	1.83
3/4	35,300	Bulk	657722	557722	4X455330 595786	495824	7.63	11.79	0.88	1.88	0.94	2.09	2.55	2.51



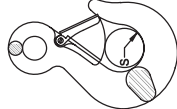
EYE SLING HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Fatigue rated to Grade 100 specifications
- Available with or without latch
- Durable orange powder coated finish
- 100% proof tested
- Fraction and metric markings
- 4:1 design factor
- Meets ASTM A952 standards
- Meets ASME B30.10



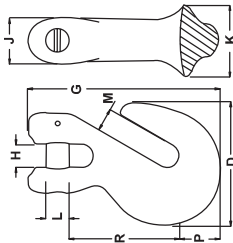
Size Limit (in.)	Working Load Limit (lbs.)	Product Code			Standard Package	Dimensions (in.)													Weight (lbs.)	
		With Latch	Without Latch	Latch Kit		B	D	E	G	H	I	K	L	M	N	O	P	S		
7/32	2,700	598618	458618	4X455321	10	1.50	3.04	1.30	5.06	0.38	0.66	1.47	0.75	3.75	0.97	0.99	0.94	0.99	0.8	
9/32	4,300	598622	458622	595523	10	1.65	3.48	1.50	5.25	0.45	0.75	1.75	0.72	3.75	1.19	1.21	1.05	1.10	1.1	
3/8	8,800	598625	458625	595525	10	2.06	4.33	1.88	6.66	0.58	0.97	2.19	0.91	4.77	1.44	1.46	1.31	1.29	1.9	
1/2	15,000	598628	458628	595528	5	2.63	5.50	2.25	8.16	0.77	1.10	2.56	1.09	5.67	1.78	1.91	1.68	1.63	4.5	
5/8	22,600	598629	458629	595529	5	3.06	6.23	2.63	9.63	0.89	1.46	2.62	1.31	6.50	2.03	2.20	2.23	1.69	7.3	
3/4	35,300	598630	458630	595530	Bulk	3.50	7.82	3.00	11.38	1.00	1.69	3.47	1.50	7.81	2.50	2.82	2.58	2.31	11.4	

CLEVLOK® CRADLE GRAB HOOK
DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Meets ASTM A952 standards
- 100% proof tested
- Durable orange powder coated finish
- Fraction and metric markings
- 4:1 design factor
- Meets ASME B30.10

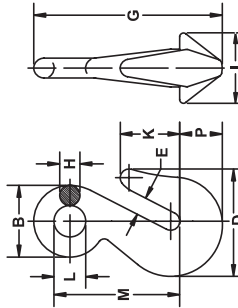


EYE CRADLE GRAB HOOK
DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Meets ASTM A952 standards
- 100% proof tested
- Durable orange powder coated finish
- Fraction and metric markings
- 4:1 design factor
- Meets ASME B30.10

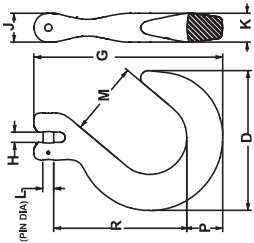


CLEVLOK® FOUNDRY HOOK
HERC-ALLOY® 1000

WORKING LOAD LIMIT: 4,300 TO 35,300 LBS.

BENEFITS & FEATURES

- Clevlok® head designed for easy assembly
- "I" beam body design increases grip when removing from load
- Meets ASTM A952 standards
- Quenched & tempered alloy steel
- Individually proof tested
- Durable orange powder coated finish
- 4:1 design factor
- Meets ASME B30.10

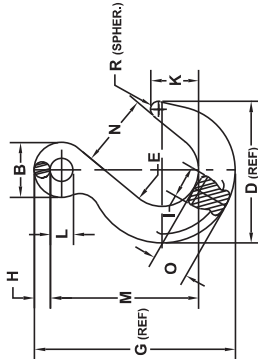


EYE FOUNDRY HOOK
DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 4,300 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Throat opening to 4.5" (114 mm)
- Meets ASTM A952 standards
- Durable orange powder coated finish
- 100% proof tested
- For welded 7/32" chain sling use 9/32" eye foundry hook
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Product Code	Standard Package Quantity	Dimensions (in.)										Weight (lbs.)
				B	D	E	G	H	I	K	L	M	P	
7/32	2,700	559724	10	1.20	1.68	0.31	3.22	0.33	0.92	0.99	0.55	2.20	0.69	0.35
9/32	4,300	559725	10	1.40	1.93	0.37	3.72	0.39	1.07	1.15	0.63	2.58	0.76	0.55
3/8	8,800	559737	10	1.78	2.86	0.47	4.81	0.52	1.38	1.66	0.75	3.27	1.02	1.39
1/2	15,000	559750	5	2.28	3.69	0.59	6.36	0.63	1.81	2.15	1.06	4.23	1.53	3.05
5/8	22,600	559762	5	2.75	4.53	0.75	7.62	0.75	2.13	2.65	1.25	5.06	1.80	4.36
3/4	35,300	559775	Bulk	3.50	5.23	0.91	9.54	1.00	2.88	3.55	1.52	6.70	1.85	9.00

Note: If used as a choker, working load limit should be reduced by 20%.

Size (in.)	Working Load Limit (lbs.)	Clevlok Foundry Hook			Alloy Load Pin	Retaining Pin	Dimensions (in.)								
		Product Code	Standard Package Quantity	Weight (lbs.)			D	G	H	J	K	L	M	P	R
9/32	4,300	475798	5	2.43	595780SP	602306	4.82	6.52	0.35	1.00	1.00	0.36	2.55	1.24	4.59
3/8	8,800	475799	5	4.14	595781	495828	5.73	7.87	0.47	1.16	1.27	0.51	3.05	1.43	5.59
1/2	15,000	475800	5	7.10	SP595782P	495829	6.83	9.40	0.59	1.50	1.50	0.63	3.55	1.75	6.58
5/8	22,600	475801	5	12.03	595785	495824	7.94	10.98	0.70	1.74	1.81	0.75	4.07	2.03	7.69
3/4	35,300	475802	5	21.00	595786	495824	9.17	13.20	0.88	2.05	2.00	0.91	4.50	2.63	8.87

LATCHLOK® HOOK USE

Working load limits are based on chain size. Hooks are embossed with the chain size they attach to and are not embossed with the working load limit (WLL).

Example: A 9/32" hook embossed (HA1000 9/32") means it's a Grade 100 hook for 9/32" Grade 100 chain with a working load limit of 4,300 lbs. If you are putting it on Grade 80 chain you de-rate the assembly to the 9/32" Grade 80 rating of 3,500 lbs.

The chart below shows the working load limit of Latchlok® hooks when used with Grade 100 and Grade 80 chain slings. It also provides working load limit information for these hooks when used with synthetic web, round or wire rope slings. CM Webloks can be used to avoid bunching when attaching synthetic slings to eye hooks.

Attachment Type		Hook Size: 9/32" Maximum WLL: 4,300 lbs.		Hook Size: 3/8" Maximum WLL: 8,800 lbs.		Hook Size: 1/2" Maximum WLL: 15,000 lbs.		Hook Size: 5/8" Maximum WLL: 22,600 lbs.	
When used with Herc-Alloy® chain use the working load limits stated below. Chain WLL are based on 4:1 design.		Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)
Herc-Alloy® 800 Chain		9/32	3,500	3/8	7,100	1/2	12,000	5/8	18,000
Herc-Alloy® 1000 Chain		9/32	4,300	3/8	8,800	1/2	15,000	5/8	22,600
Synthetic Web, Round and Wire Rope Slings		Size (in.)	WLL 5:1 (lbs.)	Size (in.)	WLL 5:1 (lbs.)	Size (in.)	WLL 5:1 (lbs.)	Size (in.)	WLL 5:1 (lbs.)
Synthetic web, round and wire rope slings have a 5:1 design factor. If you wish to use these hooks with these slings and maintain the 5:1 sling design factor, use the WLL below.		9/32	3,500	3/8	7,100	1/2	12,000	5/8	18,000

Always use proper connecting hardware with web, round and wire rope slings. Never choke slings in the eye of the hook.

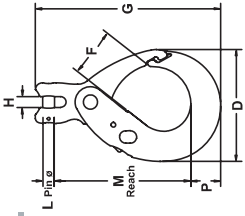
CLEVLOK® STYLE LATCHLOK® HOOK

HERC-ALLOY® 1000

WORKING LOAD LIMIT: 4,300 TO 22,600 LBS.

BENEFITS & FEATURES

- High-cycling, long-life spring
- 100% proof tested
- Meets ASTM A952 standards
- Durable orange powder coated finish
- Positive locking hook
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Product Code	Replace Latch Kit Part #	Dimensions (in.)								Weight (lbs.)	
				H	M	P	D	F	J	K	G		L
9/32	4,300	M616005	656005	0.35	5.05	0.88	3.77	1.64	1.00	0.91	6.61	0.36	2.40
3/8	8,800	M616010	656010	0.45	6.08	1.07	4.76	2.26	1.17	1.15	7.98	0.51	4.20
1/2	15,000	M616015	656015	0.59	7.88	1.58	6.26	2.91	1.50	1.47	10.54	0.63	9.00
5/8	22,600	M616020	656020	0.71	8.96	1.97	7.37	3.22	1.74	1.85	12.19	0.75	14.00

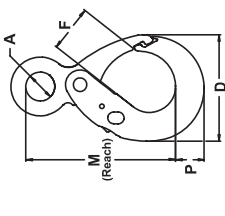
EYE STYLE LATCHLOK® HOOK

HERC-ALLOY® 1000

WORKING LOAD LIMIT: 4,300 TO 22,600 LBS.

BENEFITS & FEATURES

- Large eye design for use with chain, wire rope and synthetic material
- 100% proof tested
- Meets ASTM A952 standards
- Durable orange powder coated finish
- For welded 7/32" chain sling use 9/32" eye Lodelok hook
- Positive locking hook
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Product Code	Replace Latch Kit Part #	Dimensions (in.)								Weight (lbs.)
				A	M	P	D	F	H	K		
9/32	4,300	M626005	656005	1.09	5.37	0.88	3.77	1.64	0.47	0.91		2.50
3/8	8,800	M626010	656010	1.36	6.65	1.07	4.74	2.27	0.59	1.15		4.74
1/2	15,000	M626015	656015	1.57	8.79	1.58	6.26	2.91	0.80	1.47		10.00
5/8	22,600	M626020	656020	2.00	10.37	1.97	7.37	3.22	1.03	1.85		16.00

SWIVEL STYLE LATCHLOK® HOOKS

HERC-ALLOY® 1000

WORKING LOAD LIMIT: 4,300 TO 22,600 LBS.

BENEFITS & FEATURES OF BOTH STYLES

- The eye easily positions to attach to the load
- 100% proof tested
- Meets ASTM A952 standards
- Certification of test available
- Durable orange powder coated finish
- For welded 7/32" chain sling use 9/32" swivel Lodelok hook
- Positive locking hook
- 4:1 design factor

► DID YOU KNOW?

BEARING VS. BUSHING STYLE SWIVEL HOOKS

BEARING SWIVEL HOOKS

The load may be swiveled and turned into position WITH or WITHOUT the load attached.

BUSHING SWIVEL HOOKS

The load must be swiveled and turned into position BEFORE attaching, lifting or moving a load.

For more information, visit us at www.cmworks.com

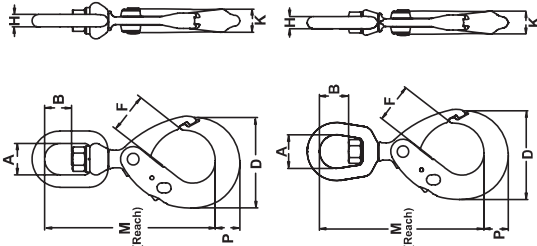


BEARING STYLE SWIVEL HOOK

BUSHING STYLE SWIVEL HOOK

BEARING SWIVEL STYLE

Size (in.)	Working Load Limit (lbs.)	Product Code	Replace Latch Kit Part #	Dimensions (in.)								Weight (lbs.)	
				H	M	P	D	F	A	B	K		
9/32	4,300	M696005	656005	0.62	7.43	0.88	3.77	1.64	1.50	1.31	0.91	3.5	
3/8	8,800	M696010	656010	0.77	9.11	1.07	4.76	2.26	1.75	1.62	1.15	4.8	
1/2	15,000	M696015	656015	0.93	11.49	1.58	6.26	2.91	2.25	1.82	1.47	10.7	
5/8	22,600	M696020	656020	1.00	13.73	1.97	7.37	3.22	2.50	2.16	1.85	17.4	



HERC-ALLOY® 1000

CHAIN SLING COMPONENTS

HERC-ALLOY® 1000

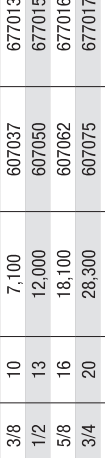
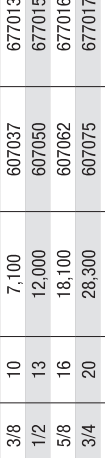
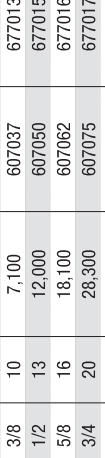
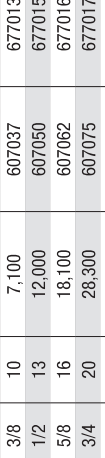
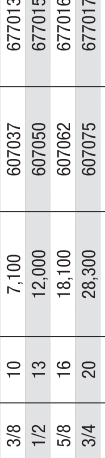
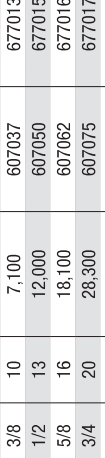
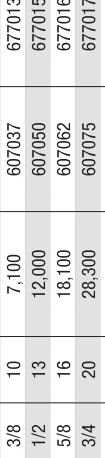
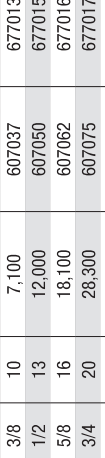
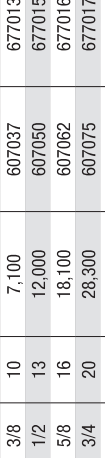
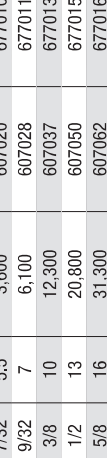
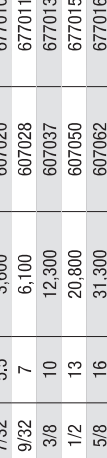
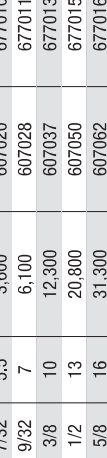
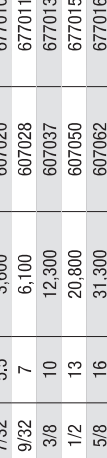
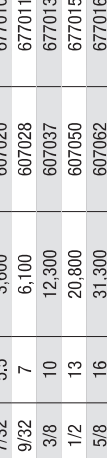
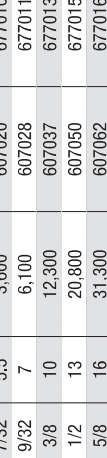
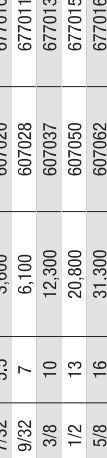
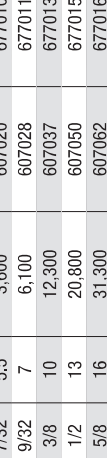
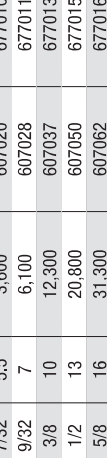
HERC-ALLOY 800®

Columbus McKinnon has a long history of developing innovative products that have changed the material handling industry – including the development of the first alloy chain in 1933. This alloy chain eventually replaced the industry-standard wrought iron chain used for overhead lifting and is the predecessor to today’s Herc-Alloy 800® chain, hooks and overhead lifting attachments. Made in America, CM Herc-Alloy® products are made of superior triple alloy steel that provides the best strength-to-weight performance in the industry. These products also meet and exceed ASTM A391 standards.

Herc-Alloy® is now one of the most recognized and trusted brands in the rigging industry and is only offered by Columbus McKinnon.

HERC-ALLOY 800® PRODUCT OVERVIEW

The chart below is an overview of our most popular Herc-Alloy 800® products. Our full product offering, including detailed specifications and available sizes, can be found on the product pages within this section.

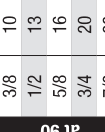
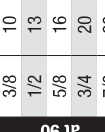
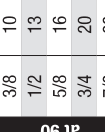
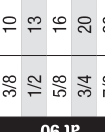
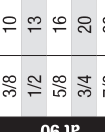
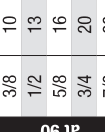
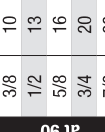
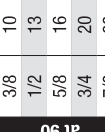
COMPONENTS									
Chain Size (in.)	Working Load Limit (lbs.)	Chain (Per Ft.)	Chain (Drum)	Master Link	Master Link w/Flats	Sub-Assembly	Sub-Assembly w/Flats	Hammerlok®	Weblok™ Assembly
(in.)	(mm.)	Page 76	Page 76	Page 78	Page 79	Page 80	Page 80	Page 82	Page 82
Single at 90°									
Double at 60°									
Triple & Quad at 60°									

* Not cradle type



To help customers reduce and better manage their rigging inventory, Columbus McKinnon has developed several **DUAL-RATED RIGGING ATTACHMENTS** that can be used for both Grade 80 and 100 applications.



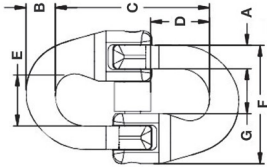
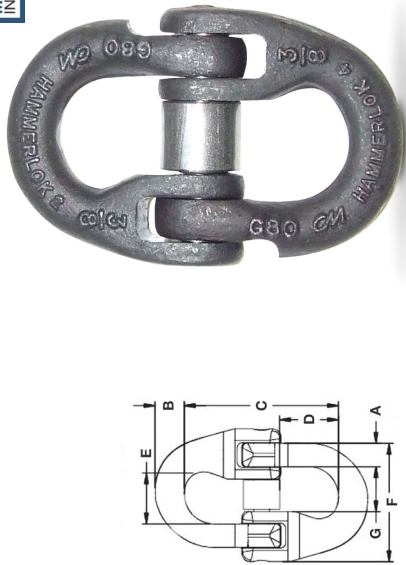
Chain Size (in.)		Clevlok® Sling Hook w/Latch	Clevlok® Sling Hook w/o Latch	Eye Sling Hook w/Latch	Eye Sling Hook w/o Latch	Clevlok® Cradle Grab Hook	Eye Cradle Grab Hook	Eye Foundry Hook
(in.)	(mm.)	Page 83	Page 83	Page 83	Page 83	Page 84	Page 85	Page 85
Single at 90°								
Double at 60°								
Triple & Quad at 60°								

HAMMERLOK® HERC-ALLOY 800®

WORKING LOAD LIMIT: 2,100 TO 72,300 LBS.

BENEFITS & FEATURES

- Used for overhead lifting slings to connect chain branches to the master link and the hook to attachments.
- Constructed of drop forged alloy steel
- Can be used with Grade 80 chain
- Must be matched to chain size
- Do not use for chain repair or splicing
- Meets ASTM A952 standards.
- 4:1 design factor



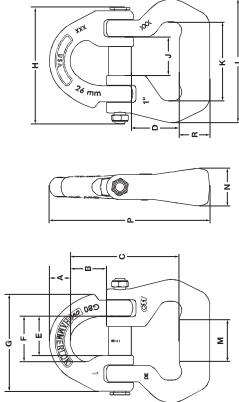
Size (in.)	Working Load Limit (lbs.)	Completed Unit			Load Pin Kit		Dimensions (in.)						
		Product Code	Weight (lbs.)	Standard Package	Product Code	Weight (lbs.)	A	B	C	D	E	F	G
7/32	2,100	664021-2	0.12	36	R664021-2	0.01	0.25	0.25	1.40	0.50	0.58	1.21	0.44
9/32	3,500	664028-2	0.26	36	R664028-2	0.02	0.34	0.31	1.94	0.75	0.70	1.51	0.56
3/8	7,100	664038-2	0.59	36	R664038-2	0.05	0.48	0.50	2.41	0.88	0.91	2.09	0.80
1/2	12,000	664050-2	1.42	24	R664050-2	0.12	0.66	0.70	3.51	1.29	1.41	2.96	1.15
5/8	18,100	664062-2	2.35	12	R664062-2	0.20	0.78	0.81	4.06	1.50	1.70	3.52	1.40
3/4	28,300	664075-2	3.67	12	R664075-2	0.30	0.96	0.94	4.78	1.80	1.97	4.11	1.71
7/8	34,200	664089-2	5.98	6	R664089-2	0.40	1.16	1.05	5.25	1.97	2.09	4.95	1.88
1	47,700	664100-2	9.47	—	R664100-2	0.70	1.32	1.25	6.00	2.31	2.37	5.87	2.33
1-1/4	72,300	664125-2	16.61	—	R664125-2	1.20	1.57	1.53	6.81	2.17	2.98	7.04	2.67

WEBLOK™ ASSEMBLY HERC-ALLOY 800®

WORKING LOAD LIMIT: 5,000 TO 75,000 LBS.

BENEFITS & FEATURES

- Combines our industry-leading Hammerlok coupling link with a CM web sling attachment, making it ideal for use with synthetic slings.
- Features a unique double load pin retention system to prevent the load pin from backing out during extreme use. Uses both traditional and bolt/lock nut retention.
- Durable orange powder coated finish on web sling arrangement.
- Made of durable forged alloy steel.
- 100% proof tested.
- Meets ASTM A952 & WSTDA-RS1 standards.
- 5:1 design factor



Size (in.)	Working Load Limit (lbs.)		Product Code	Load Pin Kit	Dimensions (in.)														Weight (lbs.)		
	Design Factor																				
		5:1			A	B	C	D	E	F	G	H	J	K	L	M	N	P		R	Locknut
3/8	5,000	6,250	867010-4	R867010-4	0.530	1.157	3.151	1.306	0.931	1.048	2.327	2.883	0.931	2.000	3.175	0.750	1.000	4.482	0.800	1/4-20 UNC	1.49
5/8	10,000	12,500	867020-4	R867020-4	0.875	1.737	4.320	1.520	1.347	1.551	3.574	4.372	1.347	2.750	4.130	1.250	1.250	6.185	0.990	3/8-16 UNC	3.96
	15,000	18,750	867025-4	R867025-4	1.039	2.022	5.467	2.132	1.547	1.781	4.313	5.341	1.547	2.750	4.479	1.200	1.380	7.607	1.100	1/2-13UNC	6.62
7/8	25,000	31,250	867030-4	R867030-4	1.046	1.829	5.145	2.004	1.919	2.247	5.003	6.103	1.919	3.750	6.000	2.410	1.750	7.601	1.410	5/8-11UNC	8.96
1	40,000	50,000	867035-4	R867035-4	1.250	2.313	6.573	2.885	2.365	2.735	5.856	7.030	2.365	4.744	7.446	2.500	2.250	9.670	1.848	5/8-11UNC	15.83
1-1/4	60,000	75,000	867040-4	R867040-4	1.531	2.625	7.406	3.219	2.701	3.000	7.035	8.536	2.701	5.753	8.882	3.375	2.310	10.918	1.980	3/4-16UNC	25.35

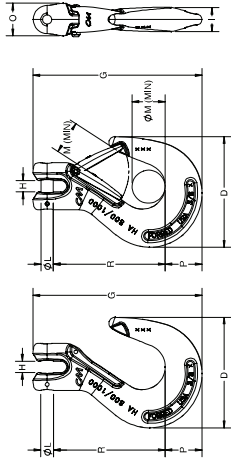
CLEVLOK® SLING HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 35,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Available with and without a latch (improved cast latch)
- Quenched and tempered alloy steel
- Clevlok head design
- 100% proof tested and fatigue rated
- Durable orange powder coated finish
- Replacement pin and latch kit available
- New CE compliant hooks and latches
- Meets EN 1677, ASTM A952 and ASME B30.10 standards
- 4:1 design factor



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in.)											Weight (lbs.)	
			With Latch	Without Latch	Latch Kit	Alloy Load Pin	Retaining Pin	D	G	H	I	L	M	O	P	R		
7/32	2,700	10	657716	557716	4X455321	SP595778P	495827	3.05	5.00	0.31	0.66	0.28	0.96	1.13	0.94	3.45	1.10	1.10
9/32	4,300	10	657718	557718	4X455322	595780SP	495827	3.53	5.55	0.38	0.75	0.36	0.83	1.32	1.11	3.75	1.20	1.20
3/8	8,800	10	657719	557719	4X455325	595781	495828	4.54	6.93	0.47	1.00	0.51	1.06	1.34	1.51	4.58	2.21	2.21
1/2	15,000	5	657720	557720	4X455328	SP595782P	495823	5.48	8.28	0.58	1.33	0.63	1.38	1.87	1.55	5.59	4.22	4.22
5/8	22,600	5	657721	557721	4X455329	SP595783P	495849	6.20	9.61	0.71	1.47	0.75	1.69	2.11	1.83	6.44	6.64	6.64
3/4	35,300	Bulk	657722	557722	4X455330	595786	495824	7.63	11.79	0.88	1.88	0.94	2.09	2.55	2.51	7.74	11.22	11.22

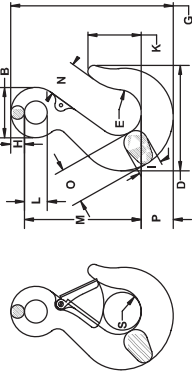
EYE SLING HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 72,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Available with and without a latch
- Quenched and tempered alloy steel
- 100% proof tested
- Fatigue rated
- Durable orange powder coated finish
- Meets ASTM A952 & ASME B30.10
- 4:1 design factor



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in.)															Weight (lbs.)	
			With Latch	Without Latch	Latch Kit	B	D	E	G	H	I	K	L	M	N	O	P	S				
7/32	2,700	10	558618	458618	4X455321	1.50	3.04	1.03	5.06	0.38	0.66	1.48	0.75	3.75	1.17	0.98	0.94	0.96	0.8	0.8	0.8	0.8
9/32	4,300	10	558622	458622	595523	1.63	3.50	1.50	5.25	0.44	0.73	1.59	0.75	3.75	1.19	1.20	1.05	1.06	1.10	1.10	1.10	1.10
3/8	8,800	10	558625	458625	595525	2.06	4.33	1.88	6.64	0.56	0.95	2.19	0.94	4.78	1.44	1.45	1.28	1.31	1.90	1.90	1.90	1.90
1/2	15,000	5	558628	458628	595528	2.63	5.50	2.25	8.16	0.75	1.17	2.56	1.13	5.69	1.78	1.94	1.66	1.63	4.30	4.30	4.30	4.30
5/8	22,600	5	558629	458629	595529	3.06	6.34	2.63	9.66	0.88	1.44	2.63	1.31	6.50	2.03	2.38	2.19	1.75	7.30	7.30	7.30	7.30
3/4	35,300	Bulk	558630	458630	595530	3.50	7.83	3.00	11.38	1.00	1.69	3.44	1.50	7.81	2.50	2.83	2.51	2.19	12.50	12.50	12.50	12.50
7/8*	47,700	Bulk	558332	458732	595532	3.88	8.59	3.38	12.72	1.09	1.94	3.88	1.69	8.75	2.78	3.22	2.84	2.38	18.10	18.10	18.10	18.10
1*	47,700	Bulk	558333	458733	595533	4.31	9.59	4.00	14.23	1.22	2.14	4.25	1.88	9.88	3.13	3.55	3.09	2.88	22.60	22.60	22.60	22.60
1-1/4*	72,300	Bulk	558335	458735	595535	5.31	11.56	4.66	17.00	1.50	2.62	4.64	2.31	11.50	3.88	4.25	3.89	3.41	47.00	47.00	47.00	47.00

* Herc-Alloy 800® only

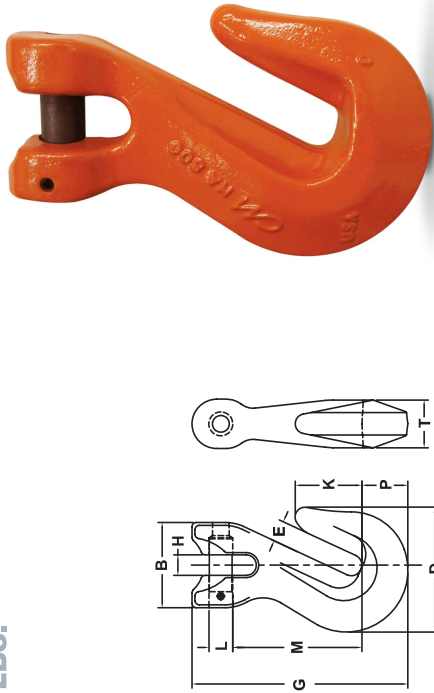
CLEVLOK® GRAB HOOK WITHOUT CRADLE

HERC-ALLOY 800®

WORKING LOAD LIMIT: 3,500 TO 18,100 LBS.

BENEFITS & FEATURES

- Quenched and tempered alloy steel
- Fatigue rated
- Built without lugs to avoid catching when slipping into tight clearance
- Durable orange powder coated finish
- Replacement pin available
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in.)										Weight (lbs.)	
			Completed Unit	Load Pin	Retainer Pin	B	D	E	G	H	K	L	M	P	T		
9/32	3,500	10	659232	595780SP	602306	1.36	1.91	0.36	3.70	0.33	1.04	0.36	2.29	0.76	0.81	0.6	
3/8	7,100	10	659235	595781	495828	1.90	2.78	0.47	4.81	0.45	1.49	0.51	2.87	1.03	1.06	1.3	
1/2	12,000	5	659238	SP595782P	495829	2.31	3.62	0.59	6.35	0.59	1.98	0.63	3.78	1.51	1.38	2.5	
5/8	18,100	5	659239	SP595783P	495823	2.87	4.41	0.75	7.74	0.75	2.39	0.75	4.82	1.80	1.69	4.4	

Note: If used as a choker, working load limit should be reduced by 20%.

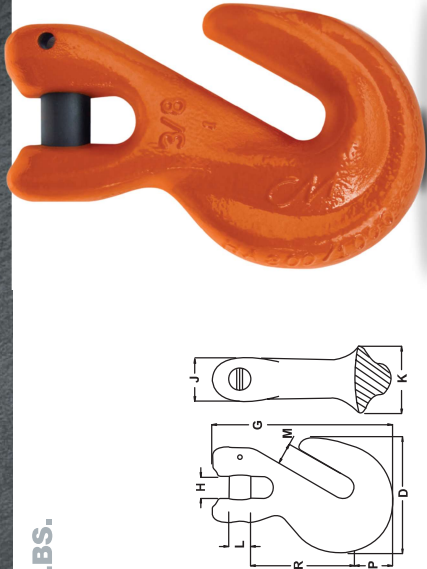
CLEVLOK® CRADLE GRAB HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 2,700 TO 28,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Unique cradle grab design
- Quenched and tempered alloy steel
- Fatigue rated
- Durable orange powder coated finish
- Replacement pin available
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Product Code	Standard Package Quantity	Dimensions (in.)										Weight (lbs.)	
				D	G	H	J	K	L	M	P	R			
7/32	2,700	659718	10	1.62	3.21	0.31	0.75	0.94	0.28	0.31	0.62	1.98		0.50	
9/32	4,300	659722	10	2.18	3.39	0.38	0.82	0.97	0.36	0.38	0.82	1.86		0.63	
3/8	8,800	659725	10	2.72	4.33	0.47	1.18	1.29	0.51	0.74	1.03	2.47		1.30	
1/2	15,000	659728	5	3.65	5.27	0.65	1.39	2.01	0.63	0.60	1.19	3.04		2.10	
5/8	22,600	659729	5	4.50	6.54	0.77	1.55	2.42	0.75	0.77	1.41	3.76		4.20	
3/4*	28,300	659730	Bulk	5.23	9.08	0.88	2.05	2.88	0.91	0.88	1.87	5.50		10.24	

* 3/4" is Herc-Alloy 800® only. Hook shape/style differs from photo and dimension drawing shown.

Note: If used as a choker, working load limit should be reduced by 20%.

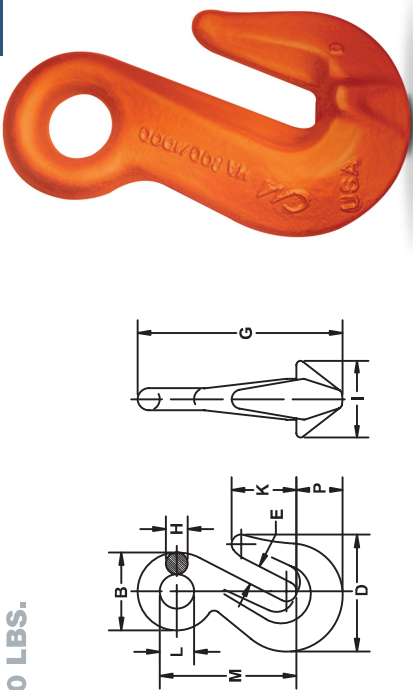
EYE CRADLE GRAB HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 3,200 TO 72,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Unique cradle grab design
- Quenched and tempered alloy steel
- 100% proof tested
- Fatigue rated
- Durable orange powder coated finish
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in.)										Weight (lbs.)	
				B	D	E	G	H	I	K	L	M	P		
7/32	3,200	10	559724	1.20	1.68	0.31	3.22	0.33	0.92	0.99	0.55	2.20	0.69	0.35	
9/32	4,300	10	559725	1.40	1.93	0.36	3.72	0.39	1.07	1.13	0.63	2.57	0.76	0.55	
3/8	8,800	10	559737	1.78	2.86	0.47	4.81	0.52	1.65	1.49	0.78	3.27	1.02	1.06	
1/2	15,000	5	559750	2.28	3.63	0.59	6.36	0.63	1.81	2.15	1.06	4.23	1.53	2.00	
5/8	22,600	5	559762	2.75	4.53	0.75	7.62	0.75	2.13	2.65	1.22	5.06	1.80	5.40	
3/4	35,300	Bulk	559775	3.50	5.23	0.91	9.54	1.00	2.88	3.52	1.52	6.70	1.85	9.00	
7/8*	47,700	Bulk	559387	3.75	5.69	1.00	9.63	1.00	3.00	3.75	1.75	6.50	2.12	10.40	
1*	47,700	Bulk	559100	4.31	7.00	1.19	12.44	1.22	3.88	4.31	1.88	8.09	3.12	20.90	
1-1/4*	72,300	Bulk	559124**	5.38	8.50	1.53	15.56	1.56	2.50	5.50	2.25	10.50	3.50	40.00	

* Herc-Alloy 800® only

** Not cradle style

Note: If used as a choker, working load limit should be reduced by 20%.

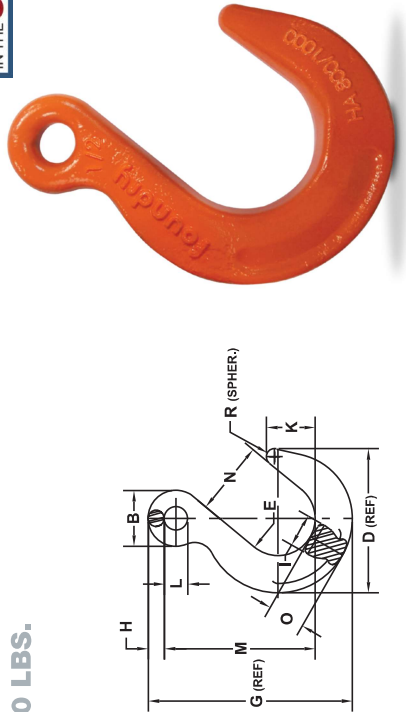
EYE FOUNDRY HOOK

DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 4,300 TO 72,300 LBS.

BENEFITS & FEATURES

- For use with both Grade 80 & 100 chain
- Throat opening up to 6 inches
- Quenched and tempered alloy steel
- Fatigue rated
- Durable orange powder coated finish
- 4:1 design factor
- Meets ASME B30.10



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in.)										Weight (lbs.)		
				B	D	E	G	H	I	K	L	M	N	O	R	
9/32	4,300	5	474798	1.56	4.73	2.50	6.45	0.47	1.00	1.56	0.63	4.75	2.50	1.23	0.25	2.4
3/8	8,800	5	474799	2.00	5.72	3.00	7.88	0.63	1.27	1.88	0.80	5.77	3.00	1.50	0.31	4.5
1/2	15,000	5	474800	2.50	6.75	3.50	9.38	0.75	1.50	2.22	1.00	6.88	3.50	1.75	0.38	7.1
5/8	22,600	5	474801	3.00	7.81	4.00	10.97	0.88	1.81	2.63	1.25	8.06	4.00	2.03	0.44	11.6
3/4	35,300	Bulk	474802	3.50	9.10	4.50	12.81	1.00	2.20	3.00	1.50	9.25	4.50	2.56	0.50	20.0
7/8*	34,200	Bulk	474503	4.00	10.09	5.00	14.23	1.13	2.25	3.38	1.70	10.38	5.00	2.78	0.56	26.0
1*	47,700	Bulk	474504	4.50	11.55	5.50	16.17	1.29	2.63	3.75	2.13	11.56	5.50	3.45	0.62	36.8
1-1/4*	72,300	Bulk	474505	5.13	12.87	6.00	18.03	1.38	3.17	4.25	2.33	12.88	6.00	3.81	0.75	58.4

* Herc-Alloy 800® only

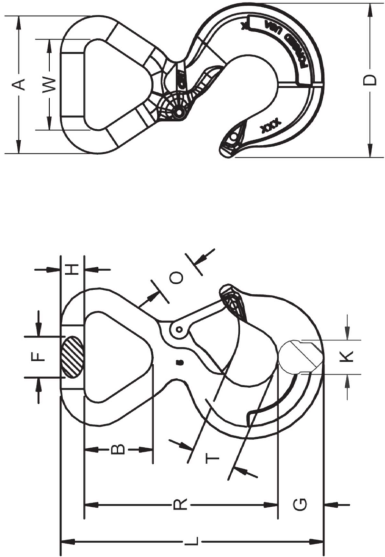
FLAT EYE RIGGING HOOK

WORKING LOAD LIMIT: UP TO 5 TONS • WEB SLING EYE WIDTHS UP TO 3"

Designed specifically for use with synthetic slings, CM Flat Eye Rigging Hooks provide a wide, smooth, load-bearing surface that won't damage synthetic material, promoting longer sling life. The flat eye opening eliminates bunching and pinching of the synthetic sling, ensuring the sling can be used at full capacity.

BENEFITS & FEATURES

- High sling strength
- Longer sling life
- Strong and durable.
- Versatile use
- Available with and without latches
- CE compliant
- 5:1 design factor
- Meets or exceeds ASME B30.10 standards



Working Load Limit (tons)	Product Code			Dimensions (in.)											Weight (lbs.)	
	With Latch	Without Latch	Latch Kit	A	B	D	F	G	K	L	O	R	T	W	without Latch	with Latch
1-1/2	M8503	M8403	4X1303	2.38	1.20	3.37	0.75	0.94	0.71	5.36	0.97	3.98	0.97	1.50	1.16	1.25
3	M8505	M8405	4X1305	3.79	1.88	4.25	1.13	1.26	0.94	7.21	1.21	5.31	1.21	2.50	2.82	3.00
5	M8507	M8407	4X1307	5.53	2.84	5.11	1.63	1.44	1.38	9.27	1.47	7.06	1.47	4.00	5.50	5.90



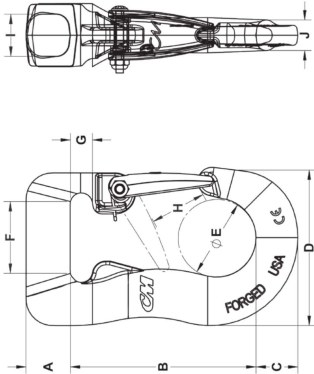
QUICK CONNECT HOOK

WORKING LOAD LIMIT: UP TO 13,200 LBS • WEB SLING EYE WIDTHS UP TO 3"

Ideal for use with synthetic slings, CM Quick Connect Hooks are the quickest and easiest way to add hooks to any synthetic sling by eliminating the need for additional hardware or assembly tools. Designed with a large bearing surface, these hooks prevent the sling from bunching, allowing the sling to be used at full capacity. And, for easy selection, Quick Connect Hooks are color coded to match common industry synthetic sling capacities.

BENEFITS & FEATURES

- Quick and efficient attachment
- Longer sling life
- Low sling weight and cost
- Easy selection
- Secure sling attachment
- Strong and durable
- Standard hook latches
- I-Beam design reduces overall sling weight
- Embossed for worldwide use



WLL: 2,600 LBS.

Color	Working Load Limit (lbs.)	Product Code	Latch Kit	Dimensions (in.)											Weight (lbs.)	
				A	B	C	D	E	F	G	H	I	J			
	2,600	M85030	4X85030	0.770	3.530	0.794	2.884	1.500	0.418	0.938	0.813	0.580	1.450			
	5,300	M85060	4X85060	1.034	4.589	1.040	3.751	1.625	1.875	0.553	1.200	1.188	0.865	3.735		
	8,400	M85090	4X455329	1.208	5.410	1.172	4.325	1.875	2.375	0.640	1.500	1.250	1.043	5.835		
	13,200	M85120	4X455329	1.384	6.141	1.392	5.026	2.125	2.625	0.744	1.750	1.438	1.200	8.282		



COLOR CODED TO MATCH COMMON
SYNTHETIC SLING CAPACITIES



WLL: 5,300 LBS.

WLL: 8,400 LBS.

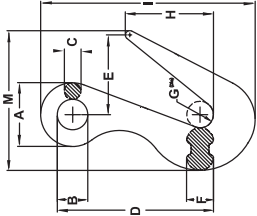
WLL: 13,200 LBS.

SORTING HOOK HERC-ALLOY 800®

WORKING LOAD LIMIT: 7-1/2 TONS

BENEFITS & FEATURES

- Quenched and tempered alloy steel
- Long tapered point designed for easy grab in rings, pear links, eye bolts or lifting holes
- Most useful for efficient handling of cylindrical shapes
- Durable orange powder coated finish
- Design factor 5:1
- Meets ASME B30.10
- May be loaded within 1 in. of the tip. The working load limit with the load sitting in the bowl (or saddle of the hook is 7-1/2 tons, whereas the working load limit is 2 tons if the hook is being loaded 1 in. from the tip. **DO NOT LOAD THE LAST ONE INCH OF THE TIP.**

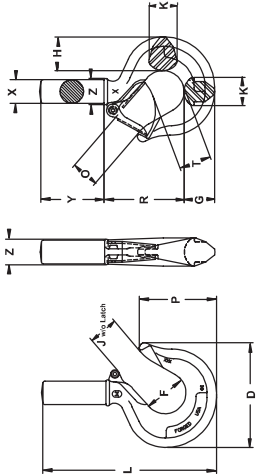


SHANK HOOK HERC-ALLOY 800®

WORKING LOAD LIMIT: 1 TO 7 TONS

BENEFITS & FEATURES

- Heat treated alloy steel provides strength without bulk or weight
- Pre-drilled boss allows for latch
- Shank hooks are supplied unthreaded, but can be supplied threaded as a special order item
- Shank hooks made from other material (bronze, stainless steel, etc.) available upon request
- Design factor 4:1
- Meets ASME B30.10



Alloy Shank Hook		Latch Kit Product Code	Max Shank Diameter (in.)	Latch Hole (in.)	Dimensions (in.)												
Working Load Limit* (ton)	Product Code	Weight (lbs.)	D	F	G	H	J	K	L	O	P	R	X	Y	Z		
1	M1302AV	0.65	4X1302	0.72	0.14	3.09	1.25	0.87	1.01	0.94	0.63	5.44	0.88	2.13	2.35	0.68	2.22
1-1/2	M1303AV	0.80	4X1303	0.79	0.19	3.37	1.38	0.94	1.11	0.97	0.71	5.94	0.91	2.27	2.59	0.76	2.41
2	M1304AV	1.47	4X1304	0.86	0.18	3.75	1.50	1.04	1.21	1.06	0.88	6.45	1.00	2.58	2.75	0.82	2.66
3	M1305AV	1.85	4X1305	1.11	0.18	4.23	1.63	1.25	1.43	1.21	0.94	7.42	1.16	2.84	3.16	0.99	3.01
5	M1307AV	4.04	4X1307	1.30	0.20	5.16	2.00	1.44	1.63	1.51	1.38	8.80	1.41	3.52	3.85	1.27	3.52
7	M1309AV	7.25	4X1309	1.56	0.20	6.28	2.50	1.82	2.01	1.76	1.68	10.72	1.69	4.63	4.70	1.53	4.01

* Working Load Limits in Metric Tons.

WARNING

The following should be observed:

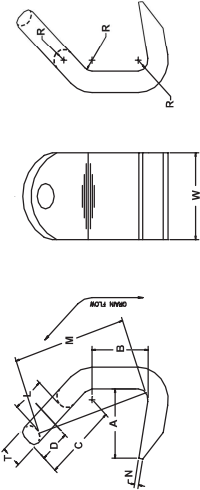
- ▲ Shanks are not intended for internal threading or swaging.
- ▲ To obtain maximum strength threads should be class 1 or 2.
- ▲ Thread engagement in nut or object must be a minimum of 1-1/2 times the thread diameter. Insufficient thread engagement can result in loss of load.

PLATE HOOK HERC-ALLOY 800®

WORKING LOAD LIMIT: 3,600 TO 34,900 LBS.

BENEFITS & FEATURES

- Made from alloy material
- Designed to handle plate steel
- Designed to be used in pairs at 60°
- Durable orange powder coated finish
- Available as components or attached to certified slings
- Design factor 5:1
- Meets ASME B30.10 standards



Size (in.)	Product Code	Working Load Limit (lbs.)	Dimensions (in.)										Weight (lbs.)
			A	B	C	D	L	M	N	T	W	R	
9/32	462528	3,600	2.00	1.75	2.50	0.94	1.00	3.48	0.13	0.63	2.50	0.31	2.80
3/8	462537	7,050	2.63	2.97	4.31	1.24	1.13	6.53	0.19	0.75	2.75	0.50	5.70
1/2	462550	11,400	3.50	4.00	4.38	1.50	1.50	6.98	0.28	1.00	3.50	0.50	13.00
5/8	462562	17,800	4.38	5.00	5.44	1.88	1.88	9.25	0.31	1.25	5.00	0.63	26.50
3/4	462575	25,600	5.19	6.00	6.50	2.38	2.25	10.88	0.38	1.50	5.75	0.75	42.00
7/8	462587	34,900	6.00	7.00	7.63	2.50	2.63	13.06	0.44	1.75	6.00	1.00	65.00

Other sizes available

WARNING

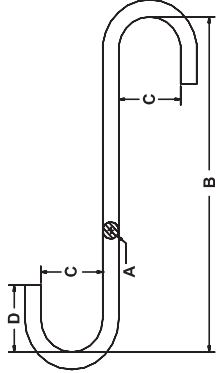
NEVER USE PLATE HOOKS ON A QUAD SLINGS. Instead, use a spreader or beam and two double chain slings. Hooks would go on the end of double chain slings and would be attached to each end of the beam.

ALLOY “S” HOOK HERC-ALLOY 800®

WORKING LOAD LIMIT: 210 TO 6,250 LBS.

BENEFITS & FEATURES

- Made from alloy material
- Proof tested at two times WLL
- Durable orange powder coated finish
- WLL embossed on hooks
- Custom sizes available upon request
- Serialized upon request
- Design factor 4:1

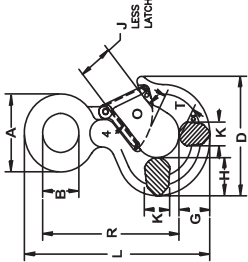
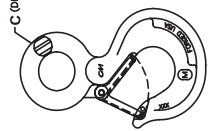


RIGGING HOOK

WORKING LOAD LIMIT: 3/4 TO 22 TONS

BENEFITS & FEATURES

- Load rating marked on each hook body
- Design factor 5:1
- Hook tips are pre-drilled to allow securement of the latch
- Powder coated orange
- Meets ASME B30.10



Standard Package	Carbon				Alloy			Zinc Plated LatchKit (optional)	Dimensions (in.)																Weight (lbs.)
	Painted Orange				Painted Orange				A	B	C	D	E	F	G	H	J	K	L	O	R	T			
	WLL* (tons)	Product Code			WLL* (tons)	Product Code																			
		without Latch	with Latch	without Latch		with Latch																			
10	3/4	M6402C	M6502C	1	M6402A	M6502A	4X1302	1.50	0.75	0.38	3.12	0.87	1.01	0.93	0.63	4.37	0.93	3.13	0.87				0.66		
10	1	M6403C	M6503C	1-1/2	M6403A	M6503A	4X1303	1.75	0.88	0.44	3.37	0.94	1.11	0.97	0.71	5.04	0.97	3.66	0.97	1.12					
5	1-1/2	M6404C	M6504C	2	M6404A	M6504A	4X1304	2.13	1.10	0.50	3.80	1.06	1.21	1.02	0.74	5.65	1.02	4.09	1.03				1.46		
5	2	M6405CB	M6505CB	3	M6405A	M6505A	4X1305	2.50	1.25	0.64	4.20	1.26	1.43	1.19	0.94	6.55	1.16	4.67	1.16	2.42					
5	3	M6407C	M6507C	5	M6407A	M6507A	4X1307	3.08	1.56	0.77	5.11	1.44	1.63	1.50	1.38	7.97	1.41	5.78	1.53	4.10					
5	5	M6409C	M6509C	7	M6409A	M6509A	4X1309	3.88	1.98	0.94	6.24	1.82	2.01	1.78	1.68	10.07	1.69	7.31	1.94	8.16					
-	7-1/2	-	-	11	M6411A	M6511A	4X1311	4.69	2.44	1.13	7.89	2.25	2.63	2.38	1.88	12.41	2.19	9.03	2.52	15.60					
-	10	-	-	15	M6415A	M6515A	4X1315	5.34	2.84	1.25	8.53	2.75	3.10	2.50	2.03	14.05	2.30	10.21	2.54	21.58					

Other finishes are available as special orders.

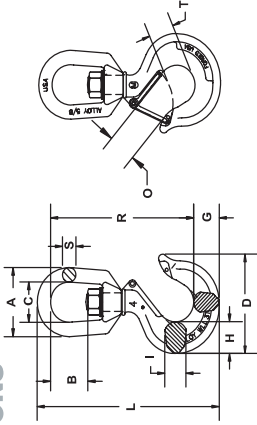
* Working Load Limits in Metric Tons.

SWIVEL RIGGING HOOK

WORKING LOAD LIMIT: 1 TO 22 TONS

BENEFITS & FEATURES

- Design factor 5:1
- Pre-drilled for latches
- Hooks furnished with or without latches
- Powder coated orange
- Hooks are heat treated, quenched and tempered
- Meets ASME B30.10



REPLACEMENT LATCHES FOR SWIVEL, RIGGING & SHANK HOOKS

Working Load Limit (tons)		Product Code				
Alloy	Carbon	Old Style		New Style		
		Stainless	Zinc	Stainless	Locking	
1	3/4	4X405	4X1302S			4X1302M
1-1/2	1	4X405	4X1303S			4X1303M
2	1-1/2	4X406	4X1304S			4X1304M
3	2	4X406	4X1305S			4X1305M
5	3	4X410	4X1307S			4X1307M
7	5	4X412	4X1309S			4X1309M
11	7-1/2	4X414	4X1311S			4X1311M
15	10	595530	4X1315	-		4X1315M
22	15	595533	4X1322	-		4X1322M



Old Style



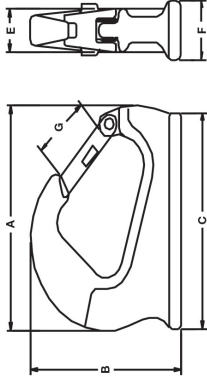
New Style

YALE® IMPORT WELD-ON LIFTING HOOK

WORKING LOAD LIMIT: 2,205 TO 17,500 LBS.

BENEFITS & FEATURES

- Heavy steel construction with a durable finish
- Designed for use with excavating equipment – can be welded directly onto the bucket
- Latch prevents chain from accidentally unhooking
- Design factor 4:1



Product Code	Working Load Limit (lbs.)	Dimensions (in.)								Weight (lbs.)	Replacement Latch Product Code
		A	B	C	E	F	G				
48211	2,205	4.63	4.13	2.78	1.00	1.25	0.84			0.88	4X48211
48212	6,615	5.81	4.72	3.74	1.25	1.30	0.98			2.88	4X48212
48213	11,025	7.97	6.45	5.12	1.16	1.72	1.79			5.31	4X48213
48214	17,500	7.61	5.43	6.69	1.58	1.97	1.85			8.50	4X48214

Design Factor 4:1
Imported

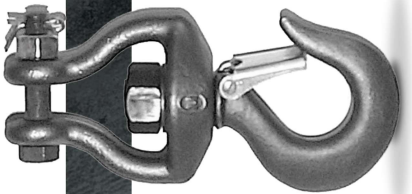
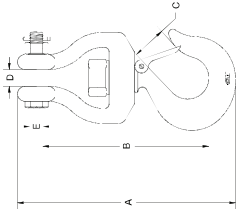
REPLACEMENT HOOK WITH LATCH

WORKING LOAD LIMIT: 1 TON

BENEFITS & FEATURES

- Easy installation
- Bolt, nut, and cotter pin provides safe and secure attaching points
- Self colored finish
- Easy installation
- Design factor 4:1

Working Load Limit (ton)	Product Code	Dimensions (in.)					Weight (lbs.)
		A	B	C	D	E	
1	M134	7.56	5.63	1.13	0.50	0.44	2.56



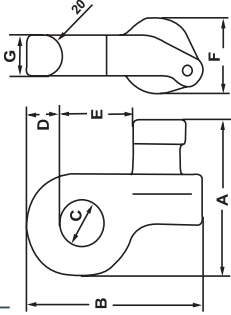
CLB CONTAINER LIFTING LUGS

WORKING LOAD LIMIT: 88,100 LBS. (PER SET OF 4)

Supplied in sets of 4, CLB Lifting Lugs serve as flexible lashing points for transporting containers from the sides.

BENEFITS & FEATURES

- Spring-loaded bolt to prevent accidental release
- Mounted horizontally at the side of the container in either upper or lower holes
- Easy installation and removal – simply insert and turn to install
- Designed to eliminate the dangerous use of standard hooks
- Lugs cannot drop out when slings become slack
- The set of (4) lugs has (2) right hand and (2) left hand units.
- For maximum capacity, use a lifting beam in conjunction with CLB lifting lugs
- Design factor 4:1



Product Code	Working Load Limit (lbs. per set of 4)	Dimensions						Weight (lbs.)
		A	B	C	D	E	F	
CLB40	88,100	5.98	7.13	1.77	1.46	2.87	2.95	1.58
								39.7

CLT CONTAINER LIFTING LUGS

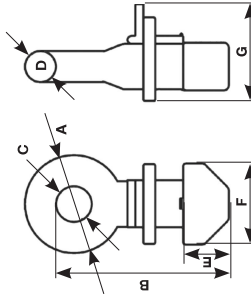
WORKING LOAD LIMIT: 123,480 LBS. (PER SET OF 4)

Supplied in sets of 4, CLT Lifting Lugs serve as flexible lashing points for transporting containers from the top.

BENEFITS & FEATURES

- Mounted vertically at the top of the container
- Easy installation and removal – simply insert and turn to install
- Designed to eliminate the dangerous use of standard hooks
- Lugs lock into place by simply turning the lug 90°.

This configuration allows for transportation via the use of a lifting frame in conjunction with cables, chains or slings.



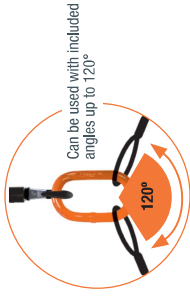
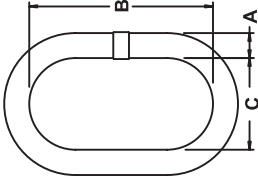
Product Code	Working Load Limit at 90° (lbs. per set of 4)	Dimensions (in.)						Weight (lbs.)
		A	B	C	D	E	F	
CLT56	123,480	4.84	8.54	1.77	1.54	2.24	3.98	4.76
								61.7

MASTER LINK DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 5,400 TO 187,800 LBS.

BENEFITS & FEATURES

- Accepts both Herc-Alloy® 800 & 1000 chain and components
- Durable orange powder coated finish
- May be used for mechanical and welded sling assemblies
- 100% proof tested
- Design factor 4:1



Trade Size (in.)	Working Load Limit (lbs.)	Product Code	Nominal Dimensions (in.)			Weight (lbs.)	Type and Size of Grade 80 Chain Sling (in.)	
			Material Diameter A	Inside Length B	Inside Width C		Single	Double
Standard Sizes (DUAL RATED THROUGH 1-3/4" SIZE ONLY)								
3/8	5,400	555231	0.41	3.00	1.50	0.33	7/32 & 9/32	7/32
1/2	8,600	555232	0.56	5.00	2.50	1.02	3/8	9/32
3/4	17,600	555235	0.75	5.50	2.75	2.08	1/2	3/8
1	30,000	555238	1.00	7.00	3.50	4.59	5/8 & 3/4	1/2
1-1/4	45,200	555240	1.25	8.75	4.38	9.31	7/8	5/8
1-1/2	70,600	555243	1.50	10.50	5.25	15.60	1	3/4 & 7/8
1-3/4	105,900	555246	1.75	12.00	6.00	24.40	1-1/4	1
2*	88,900	554949	2.00	14.00	7.00	38.00	1-1/4	1
2-1/4*	125,200	554951	2.25	16.00	8.00	55.00	—	1-1/4
2-3/4*	187,800	554957	2.75	16.00	9.00	84.84	—	—
Special Sizes (NOT DUAL RATED)								
1	18,200	554969	1.00	8.00	4.00	5.25		
1-1/4	22,800	554942	1.25	12.00	6.00	12.08		
1-1/2	36,700	554944	1.50	14.00	7.00	20.16	N/A	N/A
1-1/2	42,900	554970	1.50	12.00	6.00	17.60		
1-3/4	57,100	554945	1.75	14.00	7.00	27.92		
2	77,800	554952	2.00	16.00	8.00	43.00		

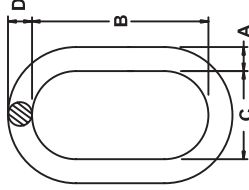
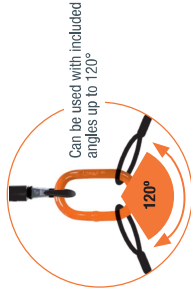
NOTE: Standard sizes dual rated through 1-3/4" only. Special sizes not dual rated.

FORGED MASTER LINK

WORKING LOAD LIMIT: 5,100 TO 20,400 LBS.

BENEFITS & FEATURES

- Quenched and tempered alloy steel
- Fatigue rated to Grade 80 specifications
- 100% proof tested
- Raised markings for better identification
- Durable orange powder coated finish
- Design factor 6:1



Trade Size (in.)	Working Load Limit (lbs.)	Product Code	Nominal Dimensions (in.)			Weight (lbs.)
			Material Diameter A	Inside Length B	Inside Width C	
1/2	5,100	M50P	0.50	5.00	2.50	0.90
5/8	7,700	M62P	0.63	6.00	3.00	1.75
3/4	10,600	M75P	0.75	6.00	3.00	2.35
1	20,400	M100P	1.00	8.00	4.00	6.00

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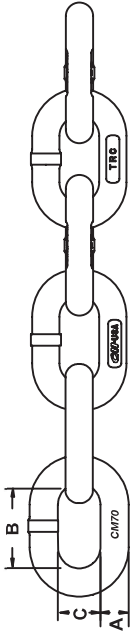


TRANSPORT (BINDING) CHAIN GRADE 70 STANDARD & SHORT LINK

WORKING LOAD LIMIT: 3,150 TO 11,300 LBS.

BENEFITS & FEATURES

- Do not use for overhead lifting
- High-carbon steel, heat treated
- Zinc plated with yellow chromate finish
- Meets ASTM & NACM standards
- Meets FMCSA & CVSA requirements
- Thermal heat treated using advanced technology
- Heat treated for superior wear and toughness
- 100% proof tested
- Permanent identification on chain (embossed with G70, plus 3 letter trace code)
- Full weld trim
- Design factor 4:1



Chain Size (in.)	Working Load Limit (lbs.)	Nominal Chain Dimensions (in.)			Per Foot		Per Drum			Per Pail	
		Material Diameter A	Inside Length B	Inside Width C	Product Code	Weight (lbs./ft.)	Approximate Number of Links (per ft.)	Product Code	Length (ft.)	Product Code	Length (ft.)
1/4	3,150	0.28	0.84	0.47	608927	0.76	14.30	678531	800	678517	130
5/16**	4,700	0.33	0.98	0.46	608935	1.01	12.20	678532	550	678518	90
5/16	4,700	0.33	1.10	0.50	609035	0.97	10.90	679032	550	679018	90
3/8**	6,600	0.39	1.14	0.54	608941	1.46	10.50	678533	400	678519	60
3/8	6,600	0.39	1.38	0.60	609041	1.37	8.73	679023	400	679019	60
1/2	11,300	0.52	1.56	0.73	608954	2.42	7.70	678525	200	—	—

** Standard Link Grade 70 Chain



WELDED ASSEMBLY GRADE 70

WORKING LOAD LIMIT: 4,700 TO 6,600 LBS.

BENEFITS & FEATURES

- Meets FMCSA, CVSA, DOT requirements
- Available in custom-built lengths
- Assemblies are available with your choice of mechanical or welded end attachments
- Welded assemblies are proof tested after welding.
- Full line of lever and ratchet binders to accommodate binder chain offering
- Yellow Chromate per ASTM B633
- Fe/ZN 13 Type II
- Design factor 4:1



► DID YOU KNOW?

INDUSTRY FOCUS: FARMING, TOWING & TRANSPORTATION

Grade 70 welded assemblies have a load rating around 20% higher than Grade 43 assemblies, so a smaller size assembly can be used for many jobs. Advantages include less weight, easier handling and more convenient storage, which is ideal for truckers, loggers and highway crews; for secure load binding and tie-downs; and for towing, hauling and lashing.

For more information, visit us at www.cmworks.com

Chain Size (in.)	Working Load Limit (lbs.)	Length (L) (ft.)	Product Code	Product Code in Bag	Weight (lbs.)
Short Link					
5/16	4,700	14	—	638259	15.19
5/16	4,700	16	—	638264	17.20
5/16	4,700	20	638224	—	21.22
5/16	4,700	20	—	638302	21.22
5/16	4,700	25	638260	—	26.24
5/16	4,700	25	—	638306	26.24
3/8	6,600	20	638558	—	31.06
Standard Link					
5/16	4,700	16	639064	—	16.64
5/16	4,700	16	—	639064BG	16.64
5/16	4,700	20	639024	—	20.52
5/16	4,700	20	—	639024BG	20.52
5/16	4,700	25	639060	—	25.36
3/8	6,600	16	639089	—	23.75
3/8	6,600	20	639058	—	29.31

CLEVIS ASSEMBLY GRADE 70

WORKING LOAD LIMIT: 3,150 TO 11,300 LBS.

BENEFITS & FEATURES

- Hook on each end
- Meets all Department of Transportation (D.O.T.) requirements and is required in most states by the D.O.T.
- Chain won't degrade in ultra-violet light, as compared to nylon straps.
- Custom lengths available
- Yellow Chromate per ASTM B633 Fe/ZN 13 Type II
- Design factor 4:1

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	Product Code in Bag	L (ft.)	Weight (lbs.)
Short Link					
1/4	3,150	638265	—	20	16.41
5/16	4,700	638274	—	12	13.10
5/16	4,700	638282	638277	16	17.10
5/16	4,700	638283	—	18	19.12
5/16	4,700	638284	638266	20	21.13
5/16	4,700	638279	638279BG	25	26.16
3/8	6,600	638291	—	14	22.23
3/8	6,600	638292	638268	16	25.19
3/8	6,600	638293	—	18	28.15
3/8	6,600	638294	638267	20	31.11
1/2	11,300	638350	—	20	56.93
Standard Link					
5/16	4,700	639082	—	16	15.60
5/16	4,700	639084	639084BG	20	20.40
5/16	4,700	639079	—	25	25.30
3/8	6,600	639091	—	14	21.00
3/8	6,600	639092	—	16	23.80
3/8	6,600	639093	—	18	26.60
3/8	6,600	639094	639094BG	20	31.16
3/8	6,600	639097	—	25	36.30



CLEVIS ASSEMBLY WITH IMPORT HOOKS GRADE 70

WORKING LOAD LIMIT: 4,700 TO 11,300 LBS.

BENEFITS & FEATURES

- Hook on each end
- Meets all Department of Transportation (D.O.T.) requirements and is required in most states by the D.O.T.
- Chain won't degrade in ultra-violet light, as compared to nylon straps.
- Custom lengths available
- Yellow Chromate per ASTM B633 Fe/ZN 13 Type II
- Chain is made in the U.S.A.
- Design factor 4:1

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	L (ft.)	Weight (lbs.)
Standard Link				
5/16	4,700	639032GGC20	20	20.30
5/16	4,700	639032GGC25	25	25.20
3/8	6,600	639038GGC20	20	29.20
3/8	6,600	639038GGC25	25	31.16
1/2	11,300	638350GGC20	20	55.50

RIVET ASSEMBLY GRADE 70

WORKING LOAD LIMIT: 4,700 TO 6,600 LBS.

BENEFITS & FEATURES

- Riveted hooks prevent loss or theft of hooks
- Yellow Chromate per ASTM B633 Fe/ZN 13 Type II
- Design factor 4:1

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	L (ft.)	Weight (lbs.)
Short Link				
5/16	4,700	638281CRV	14	15.10
5/16	4,700	638282CRV	16	17.10
5/16	4,700	638283CRV	18	19.10
5/16	4,700	638284CRV	20	21.10
3/8	6,600	638291CRV	14	22.22
3/8	6,600	638292CRV	16	25.18
3/8	6,600	638293CRV	18	28.14
3/8	6,600	638294CRV	20	31.10
Standard Link				
5/16	4,700	639084CRV	20	20.43
5/16	4,700	639079CRV	25	25.27
3/8	6,600	639094CRV	20	29.33



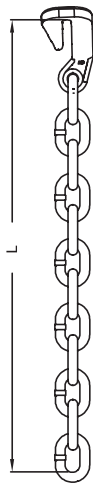
AIRCRAFT ASSEMBLY

MINIMUM BREAK STRENGTH: 14,100 LBS.

BENEFITS & FEATURES

- Meets MIL-DTL-6458 Type I specifications
- 100% proof tested in accordance to MIL spec standards
- Yellow chromate finish per ASTM B633 Fe/ZN 13 Type II
- Individually packaged assemblies available upon request
- Design factor 4:1

Chain Size (in.)	Minimum Break Strength (lbs.)	Product Code	L (ft.)	Weight (lbs.)
9/32	14,100	627728N	9	7.17

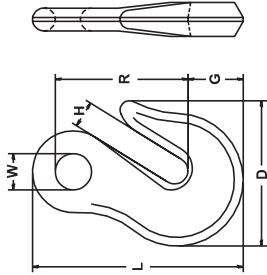


EYE GRAB HOOK GRADE T80

WORKING LOAD LIMIT: 3,600 TO 18,100 LBS.

BENEFITS & FEATURES

- Quenched and tempered alloy steel
- For use when high-capacity hooks are needed for tiedown/transportation applications
- Durable orange powder coated finish
- Design factor 4:1
- **Not recommended for overhead lifting**

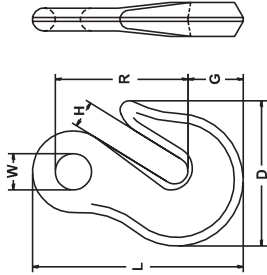


EYE GRAB HOOK GRADE T80

WORKING LOAD LIMIT: 3,600 TO 18,100 LBS.

BENEFITS & FEATURES

- Quenched and tempered alloy steel
- For use when high-capacity hooks are needed for tiedown/transportation applications
- Durable orange powder coated finish
- Design factor 4:1
- **Not recommended for overhead lifting**

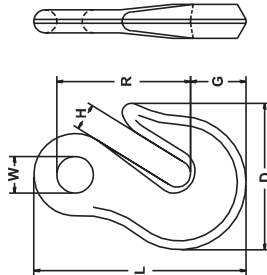


EYE GRAB HOOK GRADE 70

WORKING LOAD LIMIT: 4,700 TO 6,600 LBS.

BENEFITS & FEATURES

- Designed specifically for transport Grade 70 chain
- Design factor 4:1
- Self-colored finish
- **Not recommended for overhead lifting**



† Hook is marked Grade 63

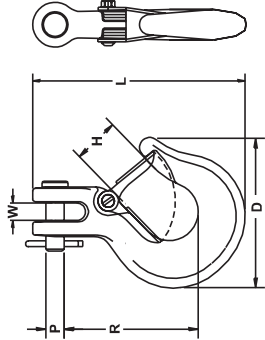
Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in.)							Weight (lbs.)
				W	D	H	L	R	G	Thickness	
1/4	3,600	30	M204A	0.55	2.00	0.38	3.22	2.05	0.80	0.59	0.44
5/16	4,500	30	M205A	0.63	2.41	0.44	3.78	2.41	1.00	0.69	0.69
3/8	7,200	30	M206A	0.80	2.65	0.50	4.34	2.80	1.06	0.83	1.00
7/16	6,900	20	M207A†	0.81	3.05	0.58	4.86	3.17	1.21	0.81	1.20
1/2	12,000	10	M208A	0.95	3.31	0.66	5.56	3.55	1.39	1.00	2.31
5/8	18,100	10	M210A	1.06	4.34	0.78	7.05	4.56	1.77	1.11	4.00

CLEVIS SLIP HOOK GRADE 63/70

WORKING LOAD LIMIT: 2,750 TO 14,200 LBS.

BENEFITS & FEATURES

- Designed specifically for transport Grade 70 chain
- Design factor 4:1
- Hook embossed with trace code providing traceability throughout the manufacturing and testing process to heat of steel
- Durable orange powder coated finish

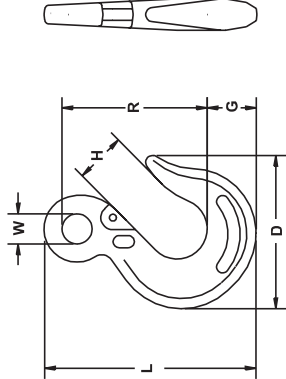


EYE SLIP HOOK GRADE 63/70

WORKING LOAD LIMIT: 2,750 TO 14,200 LBS.

BENEFITS & FEATURES

- Designed specifically for transport Grade 70 chain
- Design factor 4:1
- Hook embossed with trace code providing traceability throughout the manufacturing and testing process to heat of steel
- Durable orange powder coated finish



Size (in.)	Working Load Limit (lbs.)		Standard Package	Product Code			Dimensions (in.)							Weight (lbs.)
	Grade 63	Grade 70		With Latch	Without Latch	Latch Kit	W	D	H	L	R	G		
1/4	2,750	3,150	20	M6304WL	M6304	4X1302	0.55	2.69	0.87	3.80	2.62	0.87	0.45	
5/16	3,600	4,700	20	M6305WL	M6305	4X405	0.63	3.18	1.01	4.41	3.01	1.03	0.58	
3/8	5,500	6,600	20	M6306WL	M6306	4X406	0.80	3.74	1.17	5.38	3.73	1.25	1.40	
7/16	7,100	8,750	10	M6307WL	M6307	4X410	0.83	4.34	1.42	5.79	3.93	1.38	1.50	
1/2	9,400	—	10	—	M308A	—	0.95	4.94	1.76	6.33	4.31	1.50	2.30	
5/8	14,200	—	5	—	M310A	—	1.19	5.63	2.00	7.67	5.29	1.69	3.77	

WELDED ASSEMBLY GRADE 43

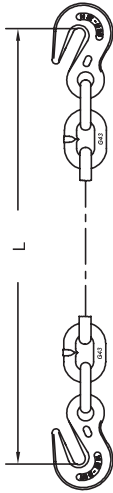
WORKING LOAD LIMIT: 5,400 LBS.

BENEFITS & FEATURES

- Hook on each end (welded)
- Meets FMCSA, CVSA, NACM, & ASTM standards
- Available with welded style hooks
- Chain won't degrade in ultra-violet light, as compared to nylon straps.
- Various end attachments available
- Self-colored finish is standard (galvanized and zinc-plated also available)
- Custom lengths upon request
- Design factor 3:1

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	L (ft.)	Finish	Weight (lbs.)
3/8	5,400	638241	20	Self Colored	28.10

FINISHES: Self Colored, Zinc Plated, Galvanized



CLEVIS ASSEMBLY GRADE 43

WORKING LOAD LIMIT: 2,600 TO 9,200 LBS.

BENEFITS & FEATURES

- Hook on each end (clevis style)
- Meets FMCSA, CVSA, NACM, & ASTM standards
- Available in clevis style hooks
- Chain won't degrade in ultra-violet light, as compared to nylon straps.
- Various end attachments available
- Self-colored finish is standard (galvanized and zinc-plated also available)
- Custom lengths upon request
- Design factor 3:1

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	L (ft.)	Finish	Weight (lbs.)
1/4	2,600	638010	10	Self Colored	6.50
5/16	3,900	608401	20	Self Colored	21.85
5/16	3,900	638025	25	Self Colored	27.05
3/8	5,400	638208	10	Self Colored	15.38
3/8	5,400	638215	12	Self Colored	18.20
3/8	5,400	638216	14	Self Colored	20.99
3/8	5,400	638217	16	Self Colored	23.80
3/8	5,400	638219	20	Self Colored	28.10
1/2	9,200	638226	20	Self Colored	48.38

FINISHES: Self Colored, Zinc Plated, Galvanized



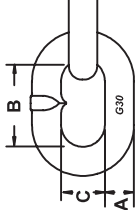
PROOF COIL CHAIN GRADE 30

WORKING LOAD LIMIT: 800 TO 10,600 LBS.

Grade 30 chain, commonly called Proof Coil, is manufactured to meet ASTM & NACM specifications. Typical uses include barrier chains, trailer safety chains, light construction, marine industry, etc. Grade 30 chain is available in a wide assortment of finishes and packaged configurations. It should not be used for overhead lifting.

BENEFITS & FEATURES

- Meets ASTM & NACM standards
- Available in a wide assortment of finishes including, Self-Colored, Zinc Plated, Galvanized, Powder Coated
- Permanent identification on chain (embossed with CM30)
- 100% proof tested
- Available in drums, pails and multiple styles of assemblies
- Design factor 4:1



Chain Size (in.)	Working Load Limit (lbs.)	Nominal Chain Dimensions (in.)				Weight (lbs./ft.)*	Approximate Number of Links (per ft.)
		Material Diameter A	Inside Length B	Inside Width C			
3/16	800	0.22	0.97	0.45		0.40	12.4
1/4	1,300	0.28	1.22	0.51		0.65	9.9
5/16	1,900	0.33	1.27	0.60		0.98	9.5
3/8	2,650	0.39	1.35	0.58		1.40	8.9
1/2	4,500	0.52	1.73	0.81		2.42	6.9
5/8	6,900	0.63	1.92	0.86		3.63	6.3
3/4	10,600	0.78	2.40	1.07		5.68	5.0

Chain Size (in.)	Self-Colored Finish			Zinc Plated Finish			Hot Dipped Galvanized Finish		
	Full Drum	Half Drum	Pail	Full Drum	Half Drum	Pail	Full Drum	Half Drum	Pail
Import	Product Code	Length (ft.)	Product Code	Length (ft.)	Product Code	Length (ft.)	Product Code	Length (ft.)	Product Code
	671040	850	—	671440	850	—	671340	850	671394
	671041	800	671091	400	671441	800	671341	800	671391
	671042	550	671092	275	671442	550	671342	550	—
North American	671043	400	671093	200	671443	400	671343	400	671393
	—	—	—	—	—	—	—	—	—
	671045	200	671045	200	671445	200	671345	200	—
	671046	150	—	—	—	—	671346	150	—
3/4	671047	100	—	—	—	—	671347	100	—

*Weight for Hot Dipped Galvanized Finish: Add 5% for sizes under 1/2", Add 2% for sizes over 1/2"

HANGER CHAIN GRADE 30

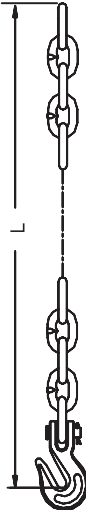
WORKING LOAD LIMIT: 1,300 LBS.

Hanger Chain is used for securement and attachment purposes in mines where a temporary connection is required.

BENEFITS & FEATURES

- Hooks are heat treated and tempered
- Design factor of 4:1 matching NACM specifications
- Hook embossed with trace code providing traceability through manufacturing and testing process to heat of steel
- Design factor 4:1
- Not to be used for overhead lifting

Chain Size (in.)	Working Load Limit (lbs.)	Product Code	L (ft.)	Finish	Weight (lbs.)
1/4	1,300	601710CMG	3	Self Colored	2.23
1/4	1,300	601711CMG	4	Self Colored	2.88
1/4	1,300	601714CMG	7	Self Colored	4.82

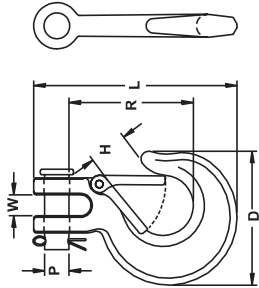


CLEVIS SLIP HOOK GRADE 30/43

WORKING LOAD LIMIT: 2,600 TO 13,000 LBS.

BENEFITS & FEATURES

- Heat-treated pins
- Hooks are heat treated and tempered
- Design factor 4:1 when used with Grade 30
- Design factor 3:1 when used with Grade 43
- When using these hooks with Grade 30 chain, the assembly must be rated to the working load limit of the chain.
- Hook embossed with trace code providing traceability through manufacturing and testing process to heat of steel
- Zinc plated finish
- **Not to be used for overhead lifting**



Size (in.)	Working Load Limit (lbs.)	Standard Package	Dimensions (in.)								Weight (lbs.)	
			Zinc Plated (without Latch)*	Zinc Plated (with Latch)	Latch Kit	W	D	H	L	R	P	
1/4	2,600	25	66193	66173	75199	0.35	2.33	0.72	2.27	2.32	0.31	0.35
5/16	3,900	25	66293	66273	75199	0.42	2.65	0.86	4.13	2.59	0.38	0.63
3/8	5,400	25	66393	66373	75299	0.50	3.20	1.01	4.81	3.04	0.44	1.02
7/16	7,200	10	66493	66473	75299	0.58	3.91	1.02	5.56	3.50	0.50	1.56
1/2	9,200	10	66593	66573	4X410	0.63	4.16	1.12	6.31	4.15	0.55	2.27
5/8	13,000	5	M910Z	—	—	0.81	5.69	2.00	7.56	4.75	0.75	4.00

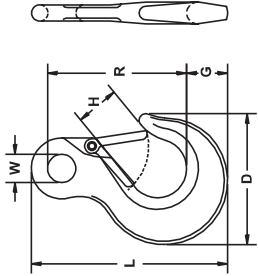
* Hooks without latches are not designed for latches to be added.

EYE SLIP HOOK GRADE 30/43

WORKING LOAD LIMIT: 2,600 TO 20,200 LBS.

BENEFITS & FEATURES

- Hooks are heat treated and tempered
- Design factor 4:1 when used with Grade 30
- Design factor 3:1 when used with Grade 43
- When using these hooks with Grade 30 chain, the assembly must be rated to the working load limit of the chain.
- Hook embossed with trace code providing traceability through manufacturing and testing process to heat of steel
- **Not to be used for overhead lifting**



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code				Dimensions (in.)							Weight (lbs.)
			Self Colored (without Latch)*	Zinc Plated (without Latch)*	Zinc Plated (with Latch)	Latch Kit	W	D	H without latch	H with latch	L	R	G	
1/4	2,600	50	—	75193	75143	75199	0.53	2.47	0.81	0.73	3.69	2.61	0.81	0.38
5/16	3,900	50	74294	75293	75243	75199	0.69	2.88	0.83	0.82	3.98	2.70	0.91	0.57
3/8	5,400	50	—	75393	75343	75299	0.78	3.25	0.92	0.93	4.11	3.17	1.13	0.83
7/16	7,200	10	—	75493	—	—	0.91	3.73	1.23	—	5.28	3.64	1.31	1.38
1/2	9,200	10	—	75593	75543	4X410	1.03	4.25	1.30	1.21	6.13	4.20	1.50	1.95
5/8	13,000	5	74694	75693	—	—	1.28	5.23	1.69	—	7.41	5.11	1.81	3.72
3/4	20,200	5	—	75793	—	—	1.53	6.28	2.45	—	8.88	6.00	2.34	3.72

* Hooks without latches are not designed for latches to be added.

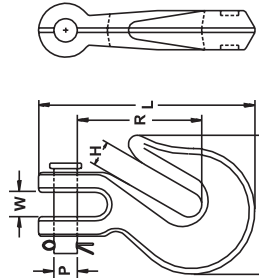
FINISHES: Self Colored, Zinc Plated

CLEVIS GRAB HOOK GRADE 30/43

WORKING LOAD LIMIT: 2,600 TO 20,200 LBS.

BENEFITS & FEATURES

- Heat-treated pins
- Hooks are heat treated and tempered
- Design factor 4:1 when used with Grade 30
- Design factor 3:1 when used with Grade 43
- When using these hooks with Grade 30 chain, the assembly must be rated to the working load limit of the chain.
- Hook embossed with trace code providing traceability through manufacturing and testing process to heat of steel
- **Not to be used for overhead lifting**



Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code		Dimensions (in.)						Weight (lbs.)	
			Self Colored	Zinc Plated	W	D	H	L	R	P		
1/4	2,600	50	—	61193	0.36	2.05	0.37	2.88	1.57	0.31	0.37	
5/16	3,900	50	—	61293	0.42	2.41	0.44	3.52	1.98	0.38	0.63	
3/8	5,400	50	60392	61393	0.50	2.94	0.54	4.20	2.23	0.44	1.10	
7/16	7,200	10	60492	61493	0.58	3.25	0.59	4.93	2.94	0.50	1.60	
1/2	9,200	10	60592	61593	0.66	3.70	0.67	5.43	2.93	0.55	2.42	
5/8	13,000	10	M810	61693	0.75	4.25	0.781	6.88	4.00	0.69	3.61	
3/4	20,200	5	M812	M812Z	0.88	5.19	0.94	8.00	4.56	0.75	7.00	

FINISHES: Self Colored, Zinc Plated

EYE GRAB HOOK GRADE 30/43

WORKING LOAD LIMIT: 2,600 TO 20,200 LBS.

BENEFITS & FEATURES

- Hooks are heat treated and tempered
- Design factor 4:1 when used with Grade 30
- Design factor 3:1 when used with Grade 43
- When using these hooks with Grade 30 chain, the assembly must be rated to the working load limit of the chain.
- Hook embossed with trace code providing traceability through manufacturing and testing process to heat of steel
- Zinc plated finish
- **Not to be used for overhead lifting**

