

CHAIN SLINGS OVERVIEW

Chain slings are a combination of chain, hooks, rings or other attachments used primarily for overhead lifting applications. Slings are generally used in conjunction with a crane or some type of lifting device and allow riggers to create a custom configuration to lift a load depending on the needs of the unique application.

CHAIN SLING CONFIGURATIONS

Standard sling configurations consist of chain branches that are affixed on one end to a master link or ring with some type of attachment, typically a hook, attached to the opposite end. CM manufactures the chain and attachments needed to build a sling. The following symbols are used to describe a sling.

FIRST SYMBOL (BASIC TYPE):

- S** : Single chain sling
- C** : Single choker chain sling with a standard end link on each end, no hooks.
- D** : Double branch chain sling (2 legs)
- T** : Triple branch chain sling (3 legs)
- Q** : Quadruple branch chain sling (4 legs)

SECOND SYMBOL (TYPE OF MASTER OR END LINK):

- O** : Oblong master link of standard dimensions
- P** : Pear shaped master link (available on request)
- R** : Ring

THIRD SYMBOL (TYPE OF HOOK):

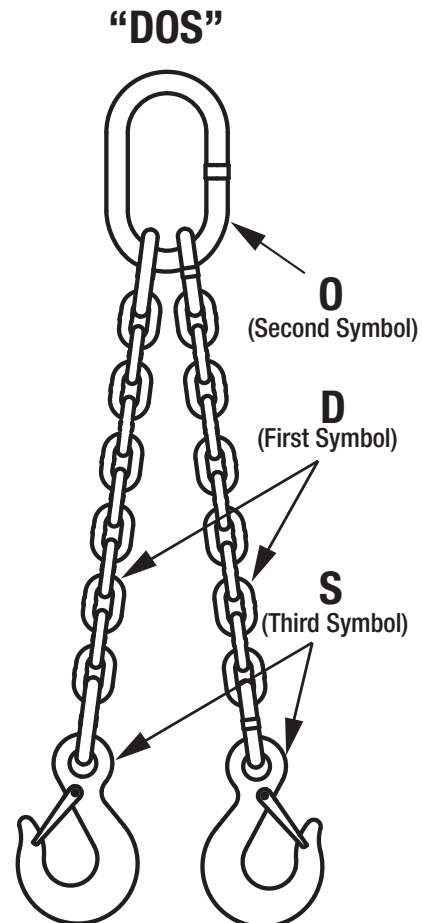
- S** : Sling Hook
- G** : Grab Hook
- F** : Foundry Hook
- L** : Latchlok

A hook safety latch is not required by OSHA. However, if a latch is present it must be in working condition.

If attachments are other than standard, give detailed specifications.

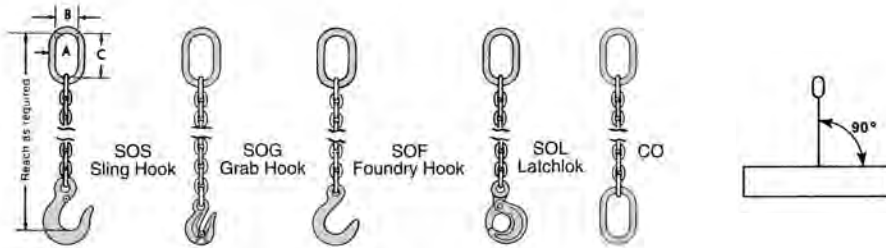
Sling tags are stamped 1 to 4 to reflect number of branches. Additional coding is defined as follows:

- | | |
|-------------------------------------|-------------------------------------|
| AS : Adjustable Single | SB : Single Basket |
| ES : Endless Single | ED : Endless Double |
| SAL : Single Adjustable Loop | DAL : Double Adjustable Loop |
| AD : Adjustable Double | DB : Double Basket |

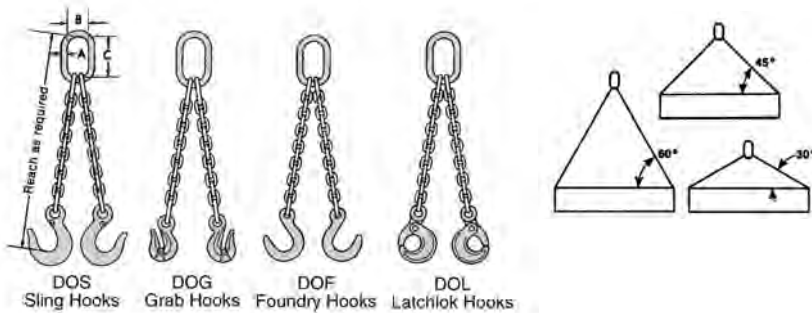


STANDARD TYPES OF CHAIN SLINGS

SINGLE CHAIN SLINGS : TYPE S & C

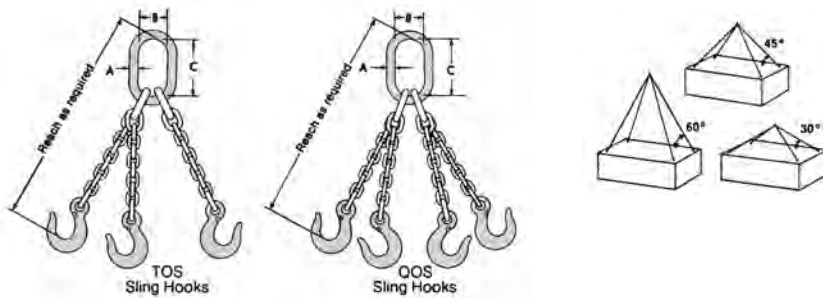


DOUBLE CHAIN SLINGS : TYPE D



TRIPLE CHAIN SLINGS : TYPE T

QUADRUPLE CHAIN SLINGS : TYPE Q



SAFETY NOTE

A quad branch chain sling, especially when used on a load of rigid structure, is usually not sustaining the load evenly on each of its four branches. The maximum working load limits are therefore set at the same values as triple branch chain slings of equal quality and size with branches used at same angle of inclination.



VERD-ALLOY 100
S/N 10M6522
SIZE 3/8 X 5 FT 1





CHAIN SLING COMPONENTS

RATED FOR OVERHEAD LIFTING

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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 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® 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 100 applications. Forged in the U.S.A, CM dual-rated rigging products are the best choice for even the toughest overhead lifting applications.





CM
HERO-ALLOY
3/8" DIA. 100 TON
100 TON












HERC-ALLOY® 1000

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® 1000 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. Herc-Alloy® 1000 chain meets ASTM A973 standards while components, such as hooks and Hammerloks®, meet ASTM A952 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® 1000 PRODUCT OVERVIEW

The chart below is an overview of our most popular Herc-Alloy® 1000 products. Our full product offering, including detailed specifications and available sizes, can be found on the product pages within this section.

	Chain Size		Working Load Limit (lbs.)	COMPONENTS											
				Chain (Per Ft.)	Chain (Drum)	Master Link	Sub-Assembly	Pear Shaped Master Link	EZ-Connect Master Link & Chain Shortener	Hammerlok®	Chain Shortener	Omegalok Connector	Rigging Hook	Clevlok® Sling Hook w/Latch	Clevlok® Sling Hook w/o Latch
	(in.)	(mm.)		Page 64	Page 64	Page 66	Page 66	Page 67	Page 67	Page 68	Page 68	Page 68	Page 69	Page 69	Page 69
															
Single at 60°	7/32	5.5	2,700	607321	677310	555231	-	554702	-	667021-2	-	-	M7502A	657716	557716
	9/32	7	4,300	607328	677311	555232	-	554702	555232S1	667028-2	M71805A-2	644128	M7503A	657718	557718
	3/8	10	8,800	607339	677313	555235	-	554702	555325S1	667038-2	M71806A-2	644138	M7504A	657719	557719
	1/2	13	15,000	607351	677315	555238	-	554706	555328S1	667050-2	M71808A-2	644150	M7505A	657720	557720
	5/8	16	22,600	607363	677316	555238	-	554710	555239S1	667062-2	M71810A-2	644162	M7507A	657721	557721
	3/4	20	35,300	607378	677317	555240	-	554714	-	667075-2	-	-	M7509A	657722	557722
Double at 60°	7/32	5.5	4,700	607321	677310	555231	-	554702	-	667021-2	-	-	M7502A	657716	557716
	9/32	7	7,400	607328	677311	555232	-	554702	555232S2	667028-2	M71805A-2	644128	M7503A	657718	557718
	3/8	10	15,200	607339	677313	555235	-	554706	555325S2	667038-2	M71806A-2	644138	M7504A	657719	557719
	1/2	13	26,000	607351	677315	555238	-	554710	555328S2	667050-2	M71808A-2	644150	M7505A	657720	557720
	5/8	16	39,100	607363	677316	555240	-	554714	555240S2	667062-2	M71810A-2	644162	M7507A	657721	557721
	3/4	20	61,100	607378	677317	555243	-	554719	-	667075-2	-	-	M7509A	657722	557722
Triple & Quad at 60°	7/32	5.5	7,000	607321	677310	-	555274	554702	-	667021-2	-	-	M7502A	657716	557716
	9/32	7	11,200	607328	677311	-	555275	554706	-	667028-2	M71805A-2	644128	M7503A	657718	557718
	3/8	10	22,900	607339	677313	-	555276	554710	-	667038-2	M71806A-2	644138	M7504A	657719	557719
	1/2	13	39,000	607351	677315	-	555277	554714	-	667050-2	M71808A-2	644150	M7505A	657720	557720
	5/8	16	58,700	607363	677316	-	555278	554719	-	667062-2	M71810A-2	644162	M7507A	657721	557721
	3/4	20	91,700	607378	677317	-	555279	554726	-	667075-2	-	-	M7509A	657722	557722



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



	Chain Size		Working Load Limit (lbs.)	COMPONENTS									
				Eye Sling Hook w/Latch	Eye Sling Hook w/o Latch	Clevlok® Cradle Grab Hook	Eye Cradle Grab Hook	Clevlok® Foundry Hook	Eye Foundry Hook	Clevlok® Style Latchlok® Hook	Eye Style Latchlok® Hook	Bearing Swivel Style Latchlok® Hook	Bushing Swivel Style Latchlok® Hook
	(in.)	(mm.)	Page 69	Page 69	Page 70	Page 70	Page 71	Page 71	Page 72	Page 72	Page 73	Page 73	
Single at 90°	7/32	5.5	2,700	558618	458618	659718	559724	-	-	-	-	-	-
	9/32	7	4,300	558622	458622	659722	559725	475798	474798	M616005	M626005	M696005	M676005
	3/8	10	8,800	558625	458625	659725	559737	475799	474799	M616010	M626010	M696010	M676010
	1/2	13	15,000	558628	458628	659728	559750	475800	474800	M616015	M626015	M696015	M676015
	5/8	16	22,600	558629	458629	659729	559762	475801	474801	M616020	M626020	M696020	M676020
3/4	20	35,300	558630	458630	659730	559775	475802	474802	-	-	-	-	
Double at 60°	7/32	5.5	4,700	558618	458618	659718	559724	-	-	-	-	-	-
	9/32	7	7,400	558622	458622	659722	559725	475798	474798	M616005	M626005	M696005	M676005
	3/8	10	15,200	558625	458625	659725	559737	475799	474799	M616010	M626010	M696010	M676010
	1/2	13	26,000	558628	458628	659728	559750	475800	474800	M616015	M626015	M696015	M676015
	5/8	16	39,100	558629	458629	659729	559762	475801	474801	M616020	M626020	M696020	M676020
3/4	20	61,100	558630	458630	659730	559775	475802	474802	-	-	-	-	
Triple & Quad at 60°	7/32	5.5	7,000	558618	458618	659718	559724	-	-	-	-	-	-
	9/32	7	11,200	558622	458622	659722	559725	475798	474798	M616005	M626005	M696005	M676005
	3/8	10	22,900	558625	458625	659725	559737	475799	474799	M616010	M626010	M696010	M676010
	1/2	13	39,000	558628	458628	659728	559750	475800	474800	M616015	M626015	M696015	M676015
	5/8	16	58,700	558629	458629	659729	559762	475801	474801	M616020	M626020	M696020	M676020
3/4	20	91,700	558630	458630	659730	559775	475802	474802	-	-	-	-	

Sling ID Tags available. See page 64 for details.

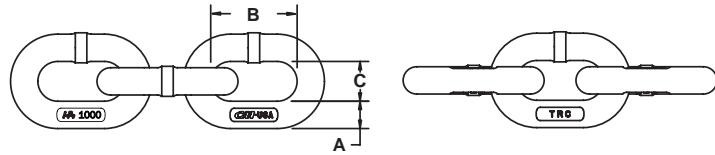


HERC-ALLOY® 1000 CHAIN

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

BENEFITS & FEATURES

- Meets ASTM A973 & NACM standards
- 25% higher working load limit when compared to Grade 80
- Environmentally friendly black coating for distinct appearance and ease of identification
- Certification included with every drum
- 100% proof tested
- 4:1 design factor



Chain Size (in.)	Working Load Limit (lbs.)	Nominal Chain Dimensions (in.)			Per Foot			Per Drum		
		Material Diameter A	Inside Length B	Inside Width C	Product Code	Weight (lbs./ft.)	Approximate Number of Links (per ft.)	Product Code	Length (ft.)	Weight (lbs.)
7/32	2,700	0.22	0.68	0.31	607321	0.44	17.8	677310	800	354
9/32	4,300	0.28	0.88	0.40	607328	0.73	13.6	677311	500	365
3/8	8,800	0.40	1.25	0.57	607339	1.48	9.6	677313	500	740
1/2	15,000	0.52	1.56	0.73	607351	2.51	7.7	677315	300	754
5/8	22,600	0.64	1.92	0.86	607363	3.81	6.3	677316	200	762
3/4	35,300	0.79	2.40	1.07	607378	5.77	5.0	677317	100	577

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS

▶ INSPECTION, CARE & USE

HOW TO SELECT AND ORDER THE PROPER CHAIN SLING

1. Determine the weight and configuration of the load(s) to be lifted.
2. Determine the type of chain sling required, according to weight and configuration.
3. Determine the size of the body chain according to the working load limits. Be sure to take into consideration the effect of the required angle. The working load limit is the maximum load in pounds which should be applied in direct tension to a straight length of chain.

Note: Working load limit can be affected by angles of loading, type of hitch used, environmental conditions such as hot and cold temperatures, and D/d ratio.

4. Determine the reach required to give the desired angle. The reach is measured from the upper bearing surface of the master link to the bearing surface of the lower attachment. If chain slings are to be used in pairs and are to be matched for reach, indicate when ordering.
5. Know share of load on pick points and location of center of gravity.



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

SLING ID TAGS

Description	Product Code
Alloy Sling ID Tag	557038
Carbon Sling ID Tag	457106
Attachment Ring	557193

Information on tag includes sling size, reach, WLL, serial number, name of manufacturer, grade of sling & number of branches





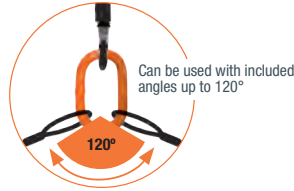


MASTER LINK DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 5,400 TO 105,900 LBS.

BENEFITS & FEATURES

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



Trade Size (in.)	Working Load Limit (lbs.)	Catalog Number	Product Code	Nominal Dimensions (in.)			Weight (lbs.)	Type and Size of Chain Sling on Which Used (in.)			
				Material Diameter A	Inside Length B	Inside Width C		Single	Double	Triple	Quad
13/32	5,400	HA40	555231	0.41	3.00	1.50	0.33	7/32	7/32	–	–
1/2	8,600	HA50	555232	0.56	5.00	2.50	1.02	9/32	9/32	7/32	7/32
3/4	17,600	HA75	555235	0.75	5.50	2.75	2.08	3/8	3/8	9/32	9/32
1	30,000	HA100	555238	1.00	7.00	3.50	4.59	1/2 & 5/8	1/2	3/8	3/8
1-1/4	45,200	HA125	555240	1.25	8.75	4.38	9.31	3/4	5/8	1/2	1/2
1-1/2	70,600	HA150	555243	1.50	10.50	5.25	15.60	–	3/4	5/8	5/8
1-3/4	105,900	HA175	555246	1.75	12.00	6.00	24.40	–	–	3/4	3/4

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS

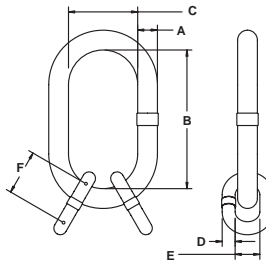
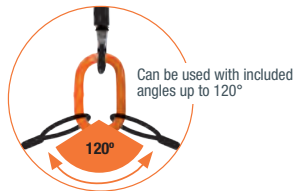
SUB-ASSEMBLY DUAL RATED FOR USE WITH HA800 OR HA1000

WORKING LOAD LIMIT: 7,000 TO 91,700 LBS.



BENEFITS & FEATURES

- Designed for triple and quad branch Herc-Alloy® chain slings
- Consists of an oblong master link and two welded master coupling links
- Accepts both Herc-Alloy 1000 & 800 chain and components
- Durable orange powder coated finish
- May be used for mechanical or welded sling assemblies
- 100% proof tested
- 4:1 design factor



Trade Size (in.)	Working Load Limit at 60° (lbs.)	Catalog Number	Product Code	Master Link Nominal Dimensions (in.)			Intermediate Link Nominal Dimensions (in.)			Weight (lbs.)	Type and Size of Chain Sling on Which Used (in.)	
				Material Diameter A	Inside Length B	Inside Width C	Material Diameter D	Inside Width E	Inside Length F		Triple	Quad
1/2	7,000	SA050	555274	0.56	5.00	2.50	0.44	1.06	1.75	1.35	7/32	7/32
3/4	11,200	SA075	555275	0.75	5.50	2.75	0.47	0.88	1.56	2.64	9/32	9/32
1	22,900	SA100	555276	1.00	7.00	3.50	0.78	1.50	2.63	7.25	3/8	3/8
1-1/4	39,000	SA125	555277	1.25	8.75	4.38	0.91	1.75	3.13	13.51	1/2	1/2
1-1/2	58,700	SA150	555278	1.50	10.50	5.25	1.13	2.25	4.00	24.28	5/8	5/8
1-3/4	91,700	SA175	555279	1.75	12.00	6.00	1.50	2.75	5.25	44.58	3/4	3/4

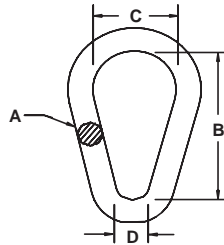


PEAR SHAPED MASTER LINK HERC-ALLOY® 1000

WORKING LOAD LIMIT: 9,000 TO 125,200 LBS.

BENEFITS & FEATURES

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



Trade Size (in.)	Working Load Limit (lbs.)	Product Code	Nominal Dimensions (in.)				Weight (lbs.)	Type and Size of Chain Sling		
			Diameter A	Inside Length B	Inside Width C	Inside Width D		Single (in.)	Double (in.)	Triple (in.)
1/2	9,000	554702	0.56	5.31	2.50	1.25	0.81	7/32, 9/32 & 3/8	7/32 & 9/32	7/32
3/4	18,000	554706	0.75	5.63	2.75	2.00	2.08	1/2	3/8	9/32
1	30,300	554710	1.00	7.25	3.50	2.63	4.59	5/8	1/2	3/8
1-1/4	45,500	554714	1.25	8.75	4.63	3.25	9.17	3/4	5/8	1/2
1-1/2	71,200	554719	1.50	10.50	5.25	3.88	15.28	-	3/4	5/8
1-3/4	86,000	554723	1.75	12.00	6.00	4.50	23.93	-	-	-
2	120,000	554726	2.00	14.00	7.00	3.50	35.93	-	-	3/4
2-1/4	125,200	554731	2.25	16.00	8.00	6.00	52.83	-	-	-

EZ·CONNECT™ MASTER LINK & CHAIN SHORTENER DUAL RATED FOR USE WITH HA800 OR HA1000



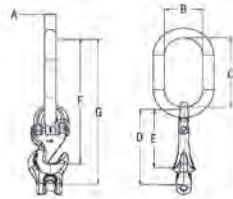
WORKING LOAD LIMIT: 9,000 TO 125,200 LBS.

BENEFITS & FEATURES

- Fits Grade 80 and Grade 100 chain
- Durable orange powder coated finish
- Allows you to adjust sling legs quickly and easily, utilizing the same sling for various reaches
- Chain shortener features cradle hook to ensure full load seating for safe operation.
- Does not require the sling to be de-rated.
- Ability to use 30° to 60° angles, preventing dangerous side loading
- 4:1 design factor

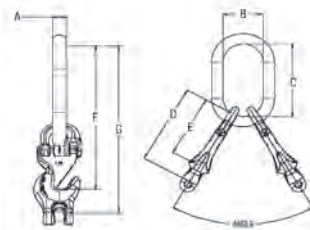
FOR SINGLE LEG SLING

Product Code	Chain Size (in.)	Working Load Limit @ 90°	Weight (lbs.)	Nominal Dimensions (in.)							
				Master Link			Shortener		Overall Reach		
				Material Dia. A	Width B	Pitch C	Pitch D	Pitch E	F	G	
555232S1	9/32	4,300	1.9	0.56	2.50	5.00	4.76	3.38	8.38	9.76	
555235S1	3/8	8,800	4.6	0.75	2.75	5.50	6.25	4.74	10.24	11.75	
555238S1	1/2	15,000	9.6	1.00	3.50	7.00	7.57	5.82	12.82	14.57	
555239S1	5/8	22,600	12.8	1.00	3.50	7.00	9.32	7.04	14.04	16.32	



FOR DOUBLE LEG SLING

Product Code	Chain Size (in.)	Working Load Limit			Weight (lbs.)	Nominal Dimensions (in.)						
		60°	45°	30°		Master Link			Shortener		Overall Reach	
		Material Dia. A	Width B	Pitch C		Pitch D	Pitch E	F	G			
555232S2	9/32	7,400	6,100	4,300	3.0	0.562	2.50	5.00	4.76	3.38	8.38	9.76
555235S2	3/8	15,200	12,400	8,800	7.1	0.75	2.75	5.50	6.25	4.74	10.24	11.75
555238S2	1/2	26,000	21,200	15,000	14.5	1.00	3.50	7.00	7.57	5.82	12.82	14.57
555240S2	5/8	39,100	32,000	22,600	26.6	1.25	4.38	8.75	9.32	7.04	15.79	18.07



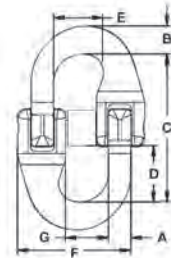
HERC-ALLOY® 1000
 CHAIN SLING
 COMPONENTS



HAMMERLOK®

WORKING LOAD LIMIT: 2,700 TO 35,300 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
- Must be matched to chain size
- Do not use for chain repair or splicing
- Meets ASTM A952 standards
- 4:1 design factor

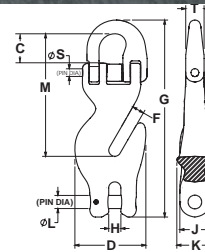


Size (in.)	Working Load Limit (lbs.)	Product Code	Load Pin Kit Product Code	Dimensions (in.)							Weight (lbs.)
				A (Max)	B (Max)	C	D	E	F	G	
7/32	2,700	667021-2	R667021-2	0.29	0.28	1.85	0.69	0.61	1.44	0.52	0.27
9/32	4,300	667028-2	R667028-2	0.37	0.44	1.94	0.69	0.68	1.58	0.61	0.28
3/8	8,800	667038-2	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



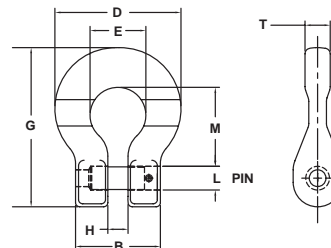
Size (in.)	Working Load Limit (lbs.)	Product Code	Standard Package	Dimensions (in.)											Weight (lbs.)
				C	D	G	H	J	K	L	F	M	S	T	
9/32	4,300	M71805A-2	10	0.69	2.16	5.86	0.38	0.80	1.00	0.36	0.38	3.38	0.21	0.54	1.20
3/8	8,800	M71806A-2	10	1.15	2.74	7.61	0.47	1.17	1.41	0.51	0.47	4.74	0.31	0.71	2.50
1/2	15,000	M71808A-2	10	1.43	3.34	9.36	0.65	1.38	2.07	0.63	0.65	5.82	0.41	0.93	4.80
5/8	22,600	M71810A-2	5	1.74	4.19	11.56	0.79	1.53	2.46	0.75	0.79	7.04	0.48	1.06	8.20

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

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	0.55
3/8	8,800	12	644138	595781	495828	1.90	2.82	1.25	3.57	0.45	0.51	1.77	0.57	1.18
1/2*	15,000	12	644150	SP595782P	495829	2.31	3.52	1.56	4.44	0.59	0.63	2.26	0.70	2.00
5/8*	22,600	5	644162	SP595783P	495823	2.87	4.46	2.00	5.45	0.75	0.75	2.72	0.88	3.76

* Grade 80 only

 HERC-ALLOY® 1000
 CHAIN SLING
 COMPONENTS

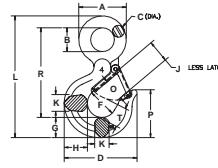


RIGGING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

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



Size (in.)	Working Load Limit (lbs.)	Product Code			Standard Package	Dimensions (in.)														Weight (lbs.)
		With Latch	Without Latch	Latch Kit		A	B	C	D	F	G	H	J	K	L	O	P	R	T	
7/32	2,700	M7502A	M7402A	4X1302	10	1.50	0.74	0.38	3.12	1.25	0.87	1.01	0.93	0.63	4.37	0.93	2.13	3.12	0.87	0.66
9/32	4,300	M7503A	M7403A	4X1303	10	1.75	0.86	0.45	3.37	1.38	0.94	1.11	0.97	0.71	5.04	0.97	2.27	3.66	0.97	1.12
5/16	5,700	M7504A	M7404A	4X1304	10	2.13	1.10	0.52	3.79	1.50	1.07	1.23	1.02	0.88	5.65	1.02	2.56	4.08	1.03	1.46
3/8	8,800	M7505A	M7405A	4X1305	10	2.50	1.23	0.64	4.24	1.63	1.26	1.43	1.19	0.94	6.54	1.16	2.85	4.67	1.21	2.42
1/2	15,000	M7507A	M7407A	4X1307	5	3.08	1.55	0.77	5.10	2.00	1.44	1.63	1.50	1.38	7.98	1.41	3.47	5.77	1.47	4.10
5/8	22,600	M7509A	M7409A	4X1309	5	3.88	1.98	0.95	6.24	2.50	1.82	2.01	1.78	1.68	10.07	1.69	4.59	7.31	1.71	8.16

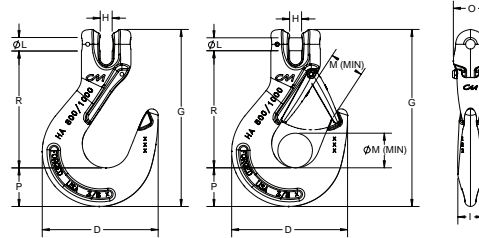


CLEVLOK® SLING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

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



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	
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	
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	
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	
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	
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	



HERC-ALLOY® 1000
CHAIN SLING COMPONENTS

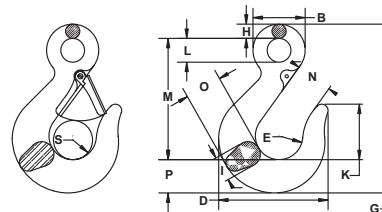


EYE SLING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

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



Size (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	558618	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	558622	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	558625	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	558628	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	558629	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	558630	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





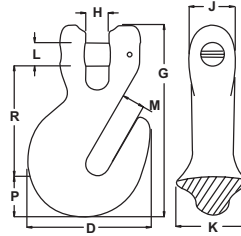
CLEVLOK® CRADLE GRAB HOOK

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



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	35,300	659730	Bulk	5.40	8.80	0.88	2.05	2.69	0.88	0.91	1.89	5.30	10.50

Note: If used as a choker, working load limit should be reduced by 20%. Reference CM Rigging Guide for more details.

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS



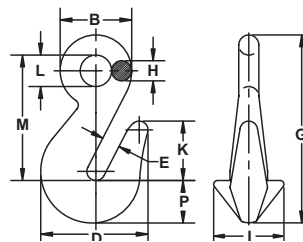
EYE CRADLE GRAB HOOK

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



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%.

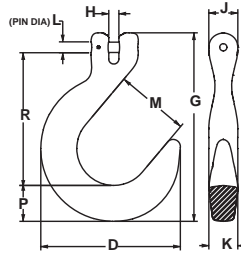


CLEVLOK® FOUNDRY HOOK HERC-ALLOY® 1000

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



Size (in.)	Working Load Limit (lbs.)	Clevlok Foundry Hook			Alloy Load Pin Product Code	Retaining Pin Product Code	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	

EYE FOUNDRY HOOK

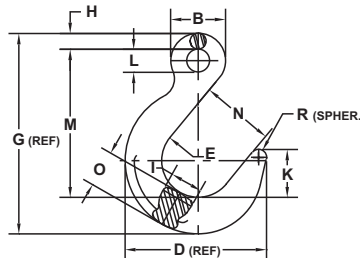
DUAL RATED FOR USE WITH HA800 OR HA1000



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



Size (in.)	Working Load Limit (lbs.)	Product Code	Standard Package Quantity	Dimensions (in.)												Weight (lbs.)
				B	D	E	G	H	I	K	L	M	N	O	R	
9/32	4,300	474798	5	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	474799	5	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	474800	5	2.50	6.74	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	474801	5	3.00	7.79	4.00	10.97	0.88	1.81	2.63	1.13	8.06	4.00	2.03	0.44	11.6
3/4	35,300	474802	Bulk	3.50	9.07	4.50	12.81	1.00	2.20	3.00	1.50	9.25	4.50	2.56	0.50	20.0

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS



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.	
	Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)	Size (in.)	WLL 4:1 (lbs.)
When used with Herc-Alloy® chain use the working load limits stated below. Chain WLL are based on 4:1 design.								
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 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.								
Synthetic Web, Round and Wire Rope Slings	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.

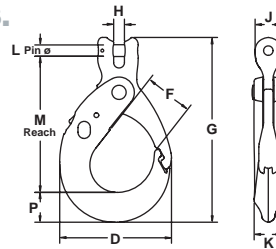
CLEVLOK® STYLE LATCHLOK® HOOK HERC-ALLOY® 1000



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



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	

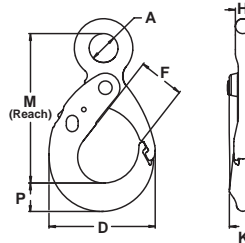
EYE STYLE LATCHLOK® HOOK HERC-ALLOY® 1000



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



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

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS



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.tsriggingequipment.com



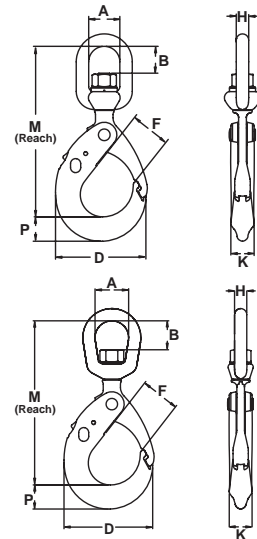
BEARING STYLE SWIVEL HOOK



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



BUSHING 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	M676005	656005	0.62	7.17	0.88	3.77	1.64	1.50	1.33	0.91	3.5
3/8	8,800	M676010	656010	0.77	8.73	1.07	4.76	2.26	1.75	1.63	1.15	4.8
1/2	15,000	M676015	656015	0.93	11.18	1.58	6.26	2.91	2.00	1.76	1.47	10.6
5/8	22,600	M676020	656020	1.00	13.35	1.97	7.37	3.22	2.75	2.38	1.85	17.0

HERC-ALLOY® 1000
CHAIN SLING COMPONENTS

▶ INSPECTION, CARE & USE

USING LATCHLOK® HOOKS SAFELY

- ▲ Do not apply load unless latch and hook are completely closed and locked
- ▲ Make certain that the latch does not support any part of the load
- ▲ When lifting, make certain that the load is firmly seated in the base (bowl) of the hook
- ▲ Inspect hook and latch periodically. If the hook or latch is damaged or if the latch fails to interlock with the tip, the hook should be removed from service
- ▲ Do not exceed the working load limit
- ▲ Do not use if the hook is visibly distorted, damaged or worn
- ▲ Keep body and other objects clear of the latch when closing to avoid the pinch point
- ▲ Do not side load or tip load hook
- ▲ User should be properly trained and understand safe rigging practices

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