

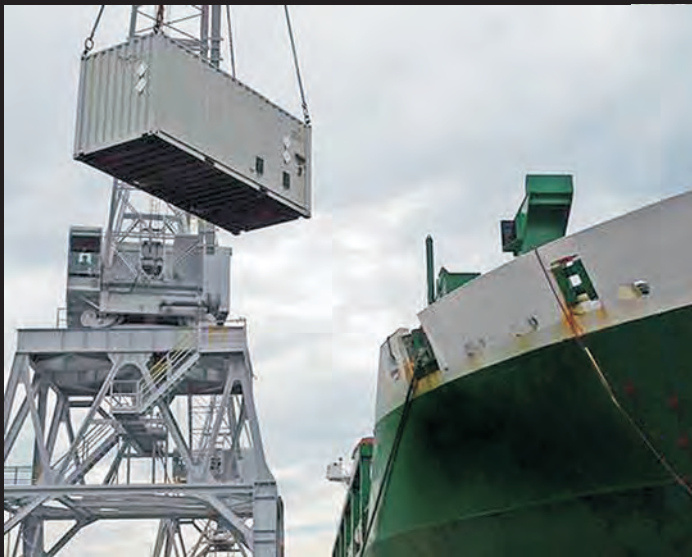
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"Lifting products for professionals"

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CHAIN SLING – USE, INSPECTION & CARE

ALWAYS OBSERVE FOLLOWING PRACTICES

INSPECTION

Before inspecting, clean chain.

Measure reach of sling leg(s) compare to measurement on tag.

Check chain links and attachments for any:

- Deformation or elongation
- Nicks, gouges, excessive wear, breaks, cracks, weld spatter
- Discoloration from excessive temperature
- Throat openings of hooks
- Reduced wire diameter of link

Look for evidence of severe corrosion. Any sling which has defective attachments or chain must be marked and immediately taken out of service until repaired or discarded.

USE

Use only grade 80 or grade 100 chain for overhead lifting applications.

Do not overload. Know working load limits and load weight of chain; overloading can lead to rapid wear, stretching and sling failure that may cause serious injury or property damage.

Avoid faulty hooks. Do not tip load hooks, force or wedge hook points into loads or face hooks toward loads. Unbalanced hookups can slip causing excess stress on lift chains and loss or damage to load.

Remove all twists, knots and kinks before lifting. Twists or knots in chain can impose loads in excess of rated working load limits and spin the load dangerously.

Avoid impact loading. Loads that are jerked suddenly when picked up can impose tension on the chain far in excess of the actual load weight. Dynamic stress force can cause sling damage and failure.

Do not let chains come in contact with sharp corners of a load without protective padding. Bending, nicks and gouges may result.

Do not drop or rest loads on chain. Nicking and bending can result in severe chain damage.

Avoid improper angle of lift. Angles of lift less than 30° can result in excessive stress being imposed on each leg of the sling resulting in chain stretching and sling failure that may cause serious injury or property damage.

Do not batten down choke hitch slings. Reduced chain angles may cause excessive tension on chain resulting in damage or failure.

Do not overheat slings. Overheating may anneal the steel, seriously weakening the chain and causing failure. Slings that are exposed to extreme temperatures (above 400°F) will have permanent reduction of working load limits (see chart on page 20).

Never weld on chain or attachments. This will alter the heat treating and strength.

CARE

Store chain slings properly to avoid damage. Nicking, gouging, bending and corrosion caused when slings are run over, having loads dropped on them or exposing to corrosive action will likely require repair or replacement.

Store chain away from heat.

Oil chain if storing for long periods of time.

Remove dirt and grit as this can cause wear.

Effects of Temperature on Working Load Limit

GRADE 80		
Temperature (F°)	Reduction of working load limit while at temperature	Reduction of working load limit after exposure temperature
Below 400°	None	None
400°	10%	None
500°	15%	None
600°	20%	5%
700°	30%	10%
800°	40%	15%
900°	50%	20%
1000°	60%	25%
Over 1000°	OSHA 1910.184 requires all slings exposed to temperature over 1000°F to be removed from service	

GRADE 100		
Temperature (F°)	Reduction of working load limit while at temperature	Reduction of working load limit after exposure temperature
Below 400°	None	None
400°	15%	None
500°	25%	5%
600°	30%	15%
700°	40%	20%
800°	50%	25%
900°	60%	30%
1000°	70%	35%
Over 1000°	OSHA 1910.184 requires all slings exposed to temperature over 1000°F to be removed from service	

G80 ALLOY STEEL CHAIN SLING WORKING LOAD LIMITS* IN POUNDS - DESIGN FACTOR OF 4								
G80 mm	Chain Size in.	Single Leg 90°	Double Leg			Triple & Quad Leg		
			90° - 60°	90° - 45°	90° - 30°	90° - 60°	90° - 45°	90° - 30°
6	7/32	2,100	3,600	3,000	2,100	5,450	4,450	3,150
7	9/32	3,500	6,100	4,900	3,500	9,100	7,400	5,200
8	5/16	4,500	7,800	6,400	4,500	11,700	9,500	6,800
10	3/8	7,100	12,300	10,000	7,100	18,400	15,100	10,600
13	1/2	12,000	20,800	17,000	12,000	31,200	25,500	18,000
16	5/8	18,100	31,300	25,600	18,100	47,000	38,400	27,100
19	3/4	25,500	44,100	36,000	25,500	66,200	54,000	38,200
20	3/4	28,300	49,000	40,000	28,300	73,500	60,000	42,400
22	7/8	34,200	59,200	48,400	34,200	88,900	72,500	51,300
26	1	47,700	82,600	67,400	47,700	123,900	101,200	71,500
32	1 1/4	72,300	125,200	102,200	72,300	187,800	153,400	108,400

G100 ALLOY STEEL CHAIN SLING WORKING LOAD LIMITS* IN POUNDS - DESIGN FACTOR OF 4								
G100 mm	Chain Size in.	Single Leg 90°	Double Leg			Triple & Quad Leg		
			90° - 60°	90° - 45°	90° - 30°	90° - 60°	90° - 45°	90° - 30°
5.5	7/32	2,700	4,700	3,800	2,700	7,000	5,700	4,000
7	9/32	4,300	7,400	6,100	4,300	11,200	9,100	6,400
8	5/16	5,700	9,900	8,100	5,700	14,800	12,100	8,500
10	3/8	8,800	15,200	12,400	8,800	22,900	18,700	13,200
13	1/2	15,000	26,000	21,200	15,000	39,000	31,800	22,500
16	5/8	22,600	39,100	32,000	22,600	58,700	47,900	33,900
20	3/4	35,300	61,100	49,900	35,300	91,700	74,900	53,000
22	7/8	42,700	74,000	60,400	42,700	110,900	90,600	64,000
26	1	59,700	103,400	84,400	59,700	155,100	126,600	89,500

Chain Wear Chart

GRADE 120, GRADE 100 & GRADE 80		
TRADE SIZE (IN.)	NOMINAL MATERIAL DIAMETER (IN.)	MINIMAL ALLOWABLE THICKNESS ON LINK (IN.)
9/32	0.276	0.239
5/16	0.312	0.273
3/8	0.394	0.342
1/2	0.512	0.443
5/8	0.630	0.546
3/4	0.787	0.687
7/8	0.866	0.750
1	1.020	0.887
1-1/4	1.250	1.213
1-1/2	1.500	1.455



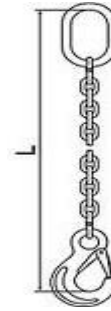


GRADE 80 SECTION

GRADE 80 CHAIN CONFIGURATIONS WITH PEWAG RINGS & GUNNEBO-JOHNSON SUBMASTER RINGS

SINGLE LEG SLING

CHAIN SIZE INCH	MASTER RING DIA	WLL @ 90 DEG	CHOKE WLL
9/32	3/8	3,500	2,625
3/8	5/8	7,100	5,325
1/2	7/8	12,000	9,000
5/8	1	18,100	13,575
3/4	1-1/4	28,300	21,225
7/8	1-1/4	34,200	25,650
1	1-3/4	47,700	35,775



SOS

TWO-LEGGED BRIDLE



ADOS-IL

CHAIN SIZE INCH	MASTER RING DIA.	WLL @ 90 DEG	60 DEG	45 DEG	30 DEG
9/32	5/8	7,000	6,100	4,900	3,500
3/8	7/8	14,200	12,300	10,000	7,100
1/2	1	24,000	20,800	17,000	12,000
5/8	1-1/4	36,200	31,300	25,600	18,100
3/4	1-1/2	56,600	49,000	40,000	28,300
7/8	1-3/4	68,400	59,200	48,400	34,200
1	2	95,400	82,600	67,400	47,700

THREE- & FOUR-LEGGED BRIDLE

CHAIN SIZE INCH	SUB MASTER RING	WLL @ 90 DEG	60 DEG	45 DEG	30 DEG
9/32	7/8	10,500	9,100	7,400	5,200
3/8	1	21,300	18,400	15,100	10,600
1/2	1-1/4	36,000	31,200	25,500	18,000
5/8	1-5/8	54,300	47,000	38,400	27,100
3/4	2	84,900	73,500	60,000	42,400
7/8	2-1/4	102,600	88,900	72,500	51,300
1	2-1/2	143,100	123,900	101,200	71,500



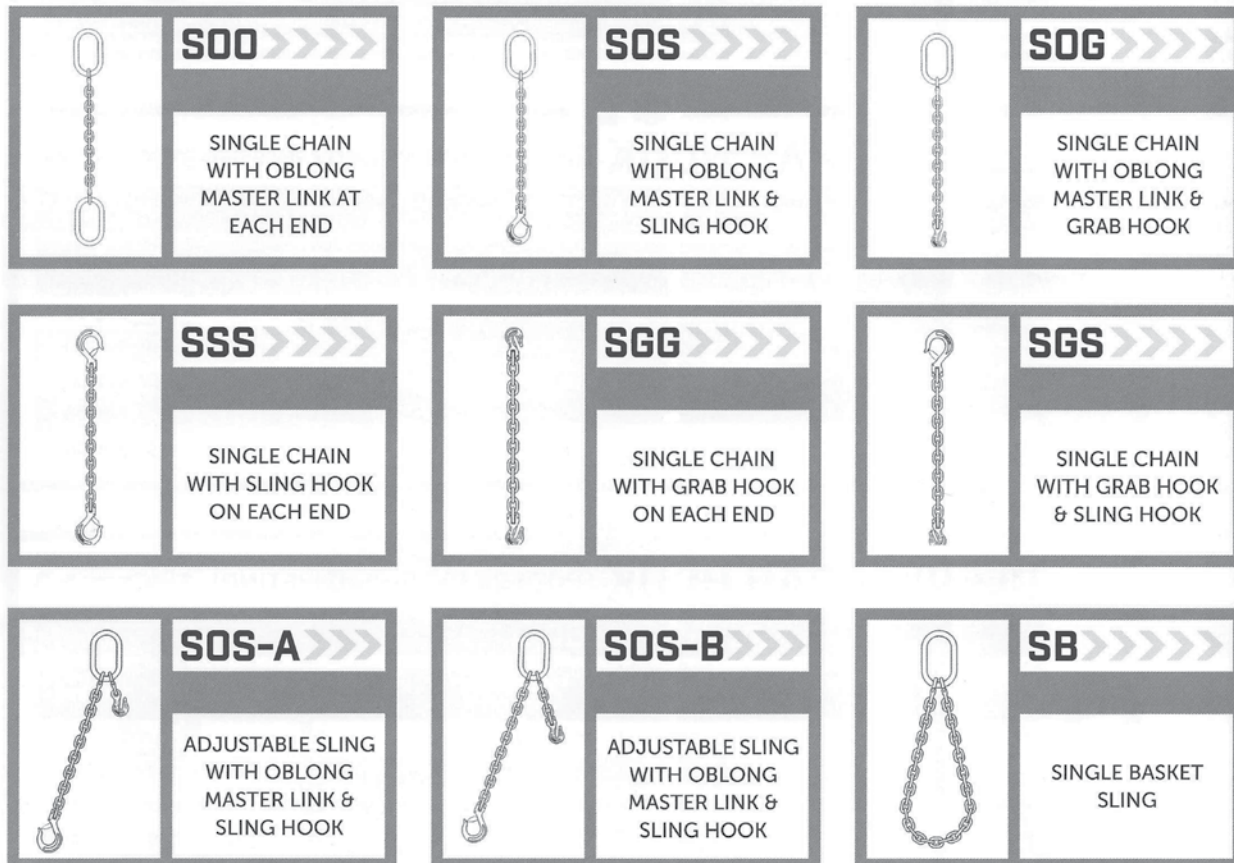
TOG

SELECTING THE PROPER SLING

Selecting the Proper Sling

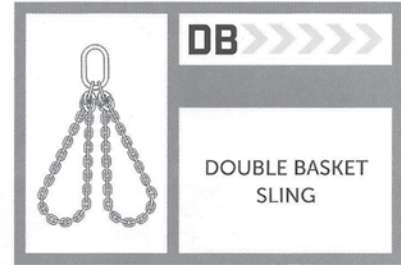
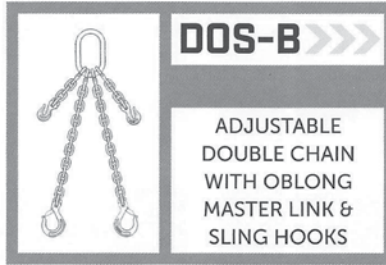
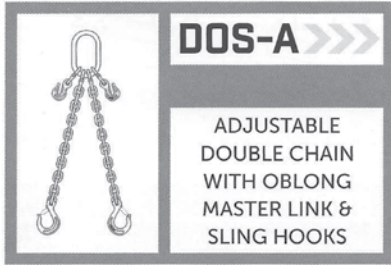
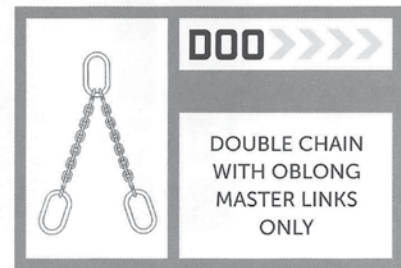
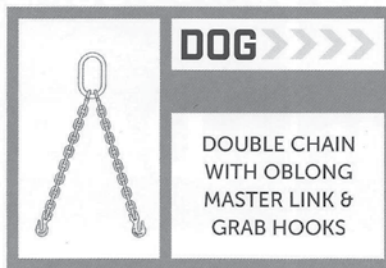
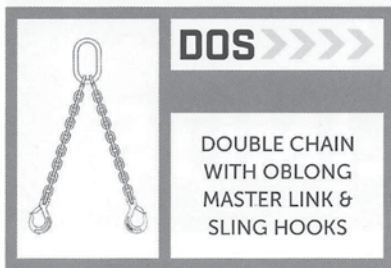
1. Verify the weight of the load to be lifted.
2. Select the size and style of sling appropriate for the load.
3. Take into consideration the possibility of using multiple legged sling, and the sling angle used in the lift. This would include compensating for ceiling height and elevation of lift.
4. Inspect the chain and attachments prior to your lift. Follow the inspection criteria on page 25.
5. Use the established lettering system as below.

Single Slings

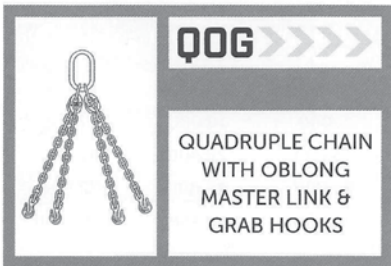
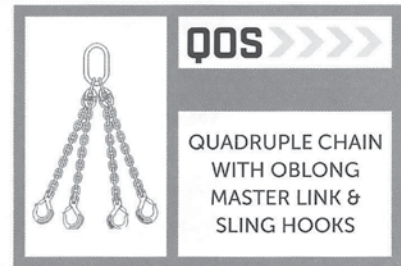
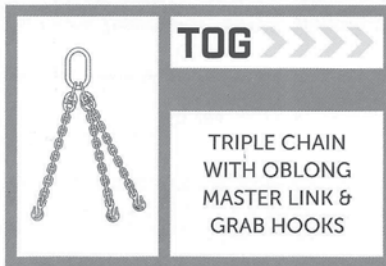
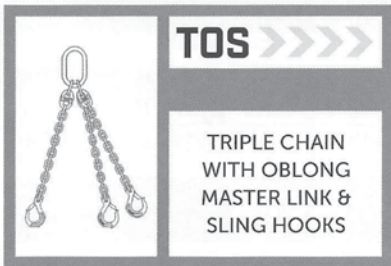


SELECTING THE PROPER SLING (CONTINUED)

Double Slings



Triple & Quad Slings



Herc-Alloy® 800 Slings

Types of Chain Slings

In describing the type, the following symbols should be used if attachments are other than standard, give detail specifications.

First symbol (basic type)

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

Second symbol (type of master link or end link)





- O** Oblong master link of standard dimensions

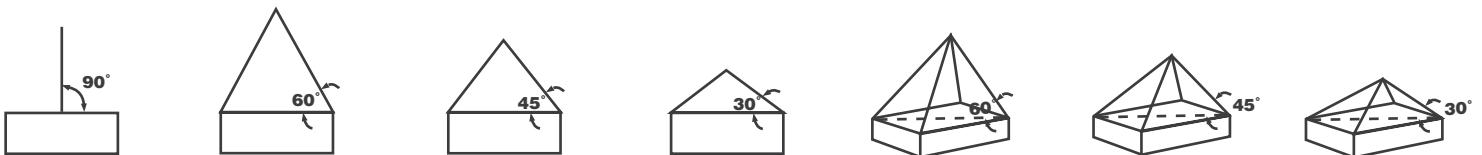
Third symbol (type of hook)

- S** Sling hook
- G** Grab hook
- F** Foundry hook
- L** Lodelok hook

Additional coding is defined as follows

- AS** Adjustable single
- ES** Endless single
- SAL** Single adjustable loop
- AD** Adjustable double
- SB** Single basket
- ED** Endless double
- DAL** Double adjustable loop
- DB** Double basket

	Single (1 Leg)	Double (2 Legs)			Triple (3 Legs)			Quad (4 Legs)		
										
Chain Size	Working Load Limit for Angles Available (shown below)									
	90°	60°	45°	30°	60°	45°	30°	60°	45°	30°
Imperial										
in.	lb.									
7/32	2,100	3,600	3,000	2,100	5,500	4,400	3,200	5,500	4,400	3,200
9/32	3,500	6,100	4,900	3,500	9,100	7,400	5,200	9,100	7,400	5,200
5/16	4,500	7,800	6,400	4,500	11,700	9,500	6,800	11,700	9,500	6,800
3/8	7,100	12,300	10,000	7,100	18,400	15,100	10,600	18,400	15,100	10,600
1/2	12,000	20,800	17,000	12,000	31,200	25,500	18,000	31,200	25,500	18,000
5/8	18,100	31,300	25,600	18,100	47,000	38,400	27,100	47,000	38,400	27,100
3/4	28,300	49,000	40,000	28,300	73,500	60,000	42,400	73,500	60,000	42,400
7/8	34,200	59,200	48,400	34,200	88,900	72,500	51,300	88,900	72,500	51,300
1	47,700	82,600	67,400	47,700	123,900	101,200	71,500	123,900	101,200	71,500
1-1/4	72,300	125,200	102,200	72,300	187,800	153,400	108,400	187,800	153,400	108,400



CM Herc-Alloy 800 Chain

WLL: 2,100 to 72,300 lbs.

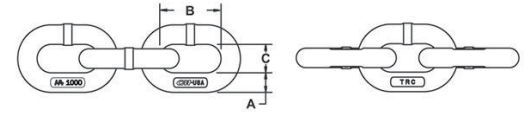
Sizes: 7/32 to 1-1/4 in.

Herc-Alloy® is now one of the most recognized and trusted brands in the rigging industry and is only offered by Columbus McKinnon. 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. Accepts both Herc-Alloy® 1000 & 800 chain and components.

- A higher strength heat treated alloy steel chain primarily used as a sling component for overhead lifting
- Can be used in rigging and tie down applications where a lighter weight, higher strength chain is desirable
- Meets NACM, ASME and OSHA standards for overhead lifting
- Design factor 4:1



The above picture may not be an exact representation of the product



HERC-ALLOY 800® CHAIN

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	2,100	0.22	0.68	0.31	607020	0.44	17.8	677010	800	354
9/32	3,500	0.28	0.88	0.40	607028	0.73	13.6	677011	500	365
5/16	4,500	0.32	1.02	0.46	607031	0.91	11.8	-	-	-
3/8	7,100	0.39	1.25	0.57	607037	1.44	9.6	677013	500	719
1/2	12,000	0.51	1.44	0.73	607050	2.55	8.3	677015	300	765
5/8	18,100	0.63	1.78	0.86	607062	3.82	6.8	677016	200	765
3/4	28,300	0.79	2.23	1.07	607075	5.95	5.4	677017	100	595
7/8	34,200	0.88	2.25	1.14	607087	7.76	5.3	677018	100	776
1	47,700	1.00	3.07	1.49	607101	9.41	3.9	677019	100	941
1-1/4	72,300	1.25	3.92	1.74	607128	14.20	3.1	677070	90	1,278

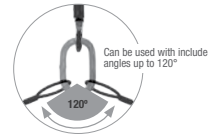
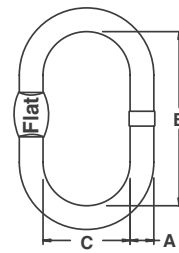
Master Link With & Without Flats

HERC-ALLOY 800®

WLL: 4,200 TO 327,800 LBS.

BENEFITS & FEATURES

- Designed to accept HA800 chain, wire rope and synthetic attachments
- Use with mechanical and welded assemblies
- Sizes up to 1-1/4" available with flats to accommodate Omega link
- 100% proof tested
- 6:1 design factor
- Extra wide body makes these links ideal for wire rope applications and use with Omegaloks. Master link with flat allows for easy installation of these attachments.



The above picture may not be an exact representation of the product

MASTER LINK WITH & WITHOUT FLATS HA800											
Trade Size (in.)	Working Load Limit (lbs.)		Product Code	Nominal Dimensions (in.)			Flat Dimensions (in.)		Weight (lbs.)	Type and Size of Chain Sling (in.)	
	With Chain	With Wire Rope & Synthetics		Material Diameter A	Inside Length B	Inside Width C	Width	Thickness		Single	Double
7/16	4,200	3,360	ML040 ML040NF	0.44	4.13	2.29	0.94 -	0.28 -	0.50	7/32 & 9/32	7/32
1/2	5,750	4,600	ML050 ML050NF	0.56	4.84	2.69	0.94 -	0.28 -	1.02	-	7/32
5/8	9,000	7,200	ML063 ML063NF	0.63	5.29	2.98	1.22 -	2.81 -	1.34	3/8	9/32
3/4	14,200	11,360	ML075 ML075NF	0.75	6.61	3.72	1.41 -	0.40 -	2.36	1/2	3/8
7/8	17,300	13,840	ML087 ML087NF	0.88	7.35	4.14	1.56 -	0.44 -	3.60	-	-
1	26,500	21,200	ML100 ML100NF	1.00	7.53	4.30	1.56 -	0.53 -	5.20	5/8	1/2
1-1/4	37,400	29,920	ML125 ML125NF	1.25	9.26	5.29	1.56 -	0.68 -	9.60	3/4 & 7/8	5/8
1-1/2	53,000	42,400	ML150	1.50	11.03	6.30	-	-	16.20	1	3/4
1-3/4	72,150	57,720	ML175	1.75	12.86	7.35	-	-	25.10	-	7/8
2	94,200	75,360	ML200	2.00	14.70	8.40	-	-	41.00	1-1/4	1
2-1/4	119,200	95,360	ML225	2.25	16.54	9.45	-	-	58.00	-	-
2-1/2	147,150	117,720	ML250	2.50	18.38	10.50	-	-	74.90	-	1-1/4
2-3/4	178,050	142,440	ML275	2.75	20.21	11.55	-	-	99.80	-	-

NOTE: *Master link with flats are available through 1-1/4" only.
Part numbers with "NF" are for master links WITHOUT flats.

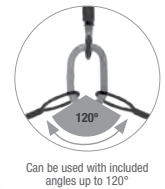
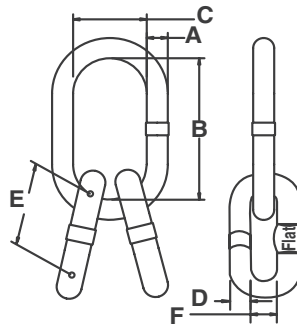
Wide Body Sub-Assembly With Flats

HERC-ALLOY 800®

WLL: 4,600 TO 178,050 LBS.

BENEFITS & FEATURES

- Designed to accept Herc-Alloy 800® chain, wire rope and synthetic attachments
- Durable orange powder coated finish
- 100% proof tested
- May be used for mechanical and welded sling assemblies
- Extra wide body is ideal for wire rope applications
- Sizes up to 1-1/4" intermediate links available with flats to accommodate Omega links
- 6:1 design factor



Can be used with included angles up to 120°

The above picture may not be an exact representation of the product

WIDE BODY SUB-ASSEMBLY WITH FLATS HA800

Trade Size (in.)	Working Load Limit (lbs.)		Complete Assembly Product Code	Master Link Nominal Dimensions (in.)			Intermediate Link Nominal Dimensions (in.)				Weight (lbs.)	Type and Size of Chain Sling (in.)		
	With Chain	With Wire Rope & Synthetic		Product Code	Material Diameter A	Inside Length B	Inside Width C	Product Code	Material Diameter D	Inside Length E		Inside Width F	Triple	Quad
1/2	5,750	4,600	SA050	ML050	0.56	4.84	2.69	ML040	0.44	4.13	2.29	1.8	-	-
5/8	9,000	7,200	SA063	ML063	0.63	5.29	2.98	ML050	0.56	4.84	2.69	2.9	7/32	7/32
3/4	14,000	11,200	SA075	ML075	0.75	6.61	3.72	ML063	0.63	5.29	2.98	5.5	9/32	9/32
7/8	17,300	13,840	SA087	ML087	0.88	7.35	4.14	ML063	0.63	5.29	2.98	6.3	-	-
1	26,500	21,200	SA100	ML100	1.00	7.53	4.30	ML075	0.75	6.61	3.72	10.2	3/8	3/8
1-1/4	37,400	29,920	SA125	ML125	1.25	9.26	5.29	ML100	1.00	7.53	4.30	20.0	1/2	1/2
1-1/2	53,000	42,400	SA150	ML150	1.50	11.03	6.30	ML100	1.00	7.53	4.30	26.6	-	-
1-3/4	72,150	57,720	SA175	ML175	1.75	12.86	7.35	ML125	1.25	9.26	5.29	44.3	5/8	5/8
2	94,200	75,360	SA200	ML200	2.00	14.70	8.40	ML150	1.50	11.03	6.30	73.4	3/4	3/4
2-1/4	119,200	95,360	SA225	ML225	2.25	16.54	9.45	ML175	1.75	12.86	7.35	108.2	7/8	7/8
2-1/2	147,150	117,720	SA250	ML250	2.50	18.38	10.50	ML200	2.00	14.70	8.40	156.9	1	1
2-3/4	178,050	142,400	SA275	ML275	2.75	20.21	11.55	ML200	2.00	14.70	8.40	181.0	-	-

NOTE: Master link with flats are available through 1-1/4" only

CM EZ-Connect Master Link and Chain Shortener

Dual Rated For Use With HA800 or HA1000

WLL: Up to 39,100 lbs.

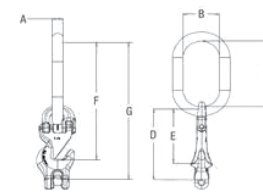
Sizes: Use with chain from 9/32 to 5/8 in. The CM EZ-Connect Master Link and Chain Shortener allows you to build chain slings easier than ever. We've combined two core components of every single or double chain sling, so it's easier to assemble and adjust your sling - and even easier to order. Accepts both Herc-Alloy® 1000 & 800 chain and components.

- Eliminates the need to order two products – one part number gets you everything you need for your sling assembly.
- Get big savings when you purchase the CM EZ-Connect versus individual components.
- Chain shortener 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. Does not require the sling to be de-rated.
- I-beam design is easy to use and provides the same strength with smaller profile and weight compared to other chain shorteners.
- Components made of alloy steel, proof tested and powder coated for extra protection from corrosion.
- Meets ASME, ASTM and OSHA requirements.
- Made in the USA.

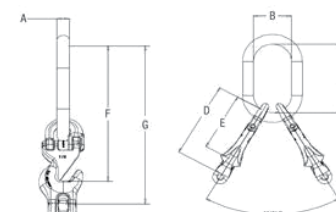


The above picture may not be an exact representation of the product

EZ-CONNECT FOR SINGLE LEG SLING



EZ-CONNECT FOR DOUBLE LEG SLING



CM EZ-CONNECT MASTER LINK AND CHAIN SHORTENER RATED FOR USE WITH HA800 OR HA1000													
		Working Load Limit (lbs)				Weight (lbs)	NOMINAL DIMENSIONS (IN.)						
							Master Link			Shortener		Overall Reach	
		90°	60°	45°	30°		Material Diameter A	Width B	Pitch C	Pitch D	Pitch E	F	G
EZ-CONNECT FOR SINGLE LEG SLING													
555232S1	9/32	4,300	-	-	-	1.9	0.562	2.5	5	4.76	3.38	8.38	9.76
555235S1	3/8	8,800	-	-	-	4.6	0.75	2.75	5.5	6.25	4.74	10.24	11.75
555238S1	1/2	15,000	-	-	-	9.6	1	3.5	7	7.57	5.82	12.82	14.57
555239S1	5/8	22,600	-	-	-	12.79	1	3.5	7	9.32	7.04	14.04	16.32
EZ-CONNECT FOR DOUBLE LEG SLING													
555232S2	9/32	-	7,400	6,100	4,300	3	0.562	2.5	5	4.76	3.38	8.38	9.76
555235S2	3/8	-	15,200	12,400	8,800	7.1	0.75	2.75	5.5	6.25	4.74	10.24	11.75
555238S2	1/2	-	26,000	21,200	15,000	14.5	1	3.5	7	7.57	5.82	12.82	14.57
555240S2	5/8	-	39,100	32,000	22,600	26.59	1.25	4.38	8.75	9.32	7.04	15.79	18.07

A | Master Link

Master link for 1 or 2 leg chain sling.

A MASTER LINK									
Part #	Code #	WLL 90°-45° [lb]	d [Inch]	t [Inch]	w [Inch]	s [Inch]	Weight [lb/pc.]	Master link for chain	
								1-leg	2-leg
46774	A100	3,800	0.39	3.15	1.97	0.39	0.31	7/32"	-
46775	A130	5,800	0.51	4.33	2.36	0.39	0.75	9/32"	7/32"
46776	A160	7,500	0.63	4.33	2.36	0.55	1.17	5/16"	9/32"
46777	A180	10,000	0.75	5.31	2.95	0.55	2.03	3/8"	5/16"
46778	A220	16,700	0.91	6.30	3.54	0.67	3.53	1/2"	3/8"
46779	A260	26,000	1.06	7.09	3.94	0.79	5.42	5/8"	1/2"
46780	A320	39,100	1.30	7.87	4.33	1.02	9.13	3/4"	5/8"
46781	A360	61,100	1.42	10.24	5.51	-	13.72	7/8"	3/4"
46782	A450	83,100	1.77	13.39	7.09	-	28.27	1"	7/8"
60723	A500	111,000	1.97	13.78	7.48	-	36.49	1-1/4"	1"
71783	A560	156,600	2.36	15.75	7.87	-	59.56	-	1-1/4"
54786	A720	234,900	2.76	18.11	9.84	-	99.23	-	-



The above picture may not be an exact representation of the product

M | Enlarged Master Link

Similar to master link A, but due to larger inside dimensions suitable for next sized crane hook or special hook.

M ENLARGED MASTER LINK									
Part #	Code #	WLL 90°-45° [lb]	d [Inch]	t [Inch]	w [Inch]	s [Inch]	Weight [lb/pc.]	Master link for chain	
								1-leg	2-leg
61990	M100	3,800	0.43	3.54	2.56	0.39	0.49	7/32"	-
61993	M130	6,100	0.55	4.72	2.76	0.39	0.97	9/32"	7/32"
61996	M160	8,400	0.63	5.51	3.15	0.51	1.48	5/16"	9/32"
62001	M180	12,800	0.75	6.30	3.74	0.55	2.40	3/8"	5/16"
62004	M220	18,500	0.91	6.70	3.99	0.67	3.73	1/2"	3/8"
62008	M260	30,000	1.06	7.48	4.33	0.79	5.84	5/8"	1/2"
62011	M320	45,000	1.30	9.06	5.12	1.02	10.54	3/4"	5/8"
62014	M360	61,100	1.50	10.83	5.91	1.14	16.49	7/8"	3/4"

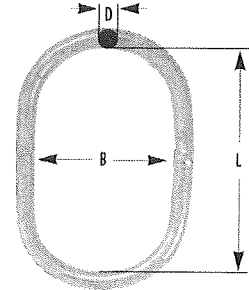


The above picture may not be an exact representation of the product

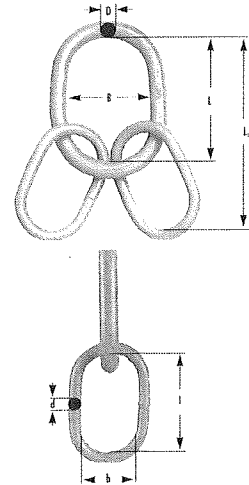
Grade 80 Oblong Master Rings

- Used for mechanical and welding sling assemblies
- 100% proof tested
- Custom sizes available upon request

Oblong Master Ring Specifications, (With Flat) Specifications								
Size (in.)	Product Code (mm)	For Chain Size (in.)		WLL (lbs.)	Dimensions (ins.)			Weight
		1 Leg	2 Leg		L	B	D	
3/8	589614			3,300	3.9	2.4	.43	.44
1/2	589615	1/4		7,000	4.7	2.8	.55	.88
5/8	589616		1/4	11,400	5.5	3.2	.67	1.8
3/4	589617	3/8	3/8	12,300	5.9	3.5	.75	2.2
7/8	589618			17,200	6.3	3.7	.87	3.3
1	589619	1/2, 5/8	1/2	29,900	7.5	4.3	.99	5.1
1-1/4	589620	3/4	5/8	35,200	7.9	4.7	1.2	7.7
1-3/8	589621			45,300	9.5	5.5	1.3	11.7
1-1/2	589622	7/8	3/4	68,000	9.9	5.9	1.5	15.4
1-5/8	589623			70,400	9.9	5.9	1.6	17.6
1-3/4	589624	1	7/8	84,900	11.8	7.1	1.8	26.5
2	589625	1-1/4	1	102,600	11.8	7.9	2.0	33.1
2-1/4	589626		1-1/4	143,100	11.8	7.9	2.2	46.3
2-1/2	589627			160,000	13.8	7.9	2.4	57.3
2-3/4	589628			220,200	15.8	9.9	2.8	94.8
3-1/4	589629			275,300	15.8	9.9	3.2	125.6



Oblong Master Ring with Sub-Assembly Specifications											
Size (in.)	Product Code	WLL (lbs.) 4:1 Design	WLL (lbs.) 5:1 Design	Dimensions (ins.)							Weight
				L1	L	B	D	1	b	d	
3/4	589630	13,750	11,000	10.2	5.9	3.5	.75	4.3	2.4	.55	4.0
7/8	589631	22,000	17,600	11.8	6.3	3.7	.87	5.5	3.2	.67	6.8
1	589632	26,625	21,300	13.4	7.5	4.3	.98	5.9	3.5	.75	7.0
1-1/4	589633	44,000	35,200	14.2	7.9	4.7	1.2	6.3	3.7	.87	14.3
1-5/8	589634	71,500	57,200	16.9	9.9	5.9	1.6	7.1	4.1	1.1	33.1
2	589635	96,250	77,000	19.7	11.8	7.9	2.0	7.9	4.3	1.3	50.7
2-1/4	589636	137,625	110,100	22.0	11.8	7.9	2.2	10.2	5.5	1.5	72.7
2-1/2	589637	206,375	165,100	24.0	13.8	7.9	2.4	10.2	5.5	1.8	101.4
2-3/4	589638	275,250	220,200	26.8	15.8	9.9	2.8	11.0	6.3	2.0	156.5
3-1/4	589639	344,125	275,300	26.8	15.8	9.9	3.1	11.0	6.3	2.2	200.6



*** ⚠ WARNING**
 DO NOT EXCEED WORKING LOAD LIMIT.
 USE ONLY ALLOY CHAIN WITH COMPATIBLE
 COMPONENTS FOR OVERHEAD LIFTING.

CM Hammerlok Coupling Link

Herc-Alloy 800

WLL: 2,100 to 72,300 lbs.

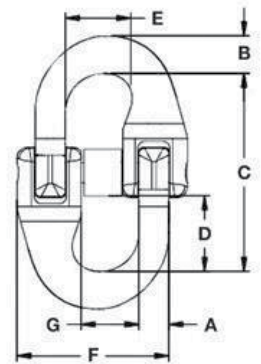
Sizes: 7/32 to 1-1/4 in.

Constructed of drop forged alloy steel and used primarily in the construction of overhead lifting slings. Specifically used for connecting the chain branches to the master link and to the hook attachments. Dual-rated Hammerloks® meet the strength levels of Grade 80 and 100.

- 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
- Design factor 4:1



The above picture may not be an exact representation of the product



HAMMERLOK® HERC-ALLOY 800®													
Size (in.)	Working Load Limit (lbs.)	Completed Unit			Load Pin Kit		Dimensions						
		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

CM Omegalok Connector

WLL: 3,500 to 22,600 lbs.

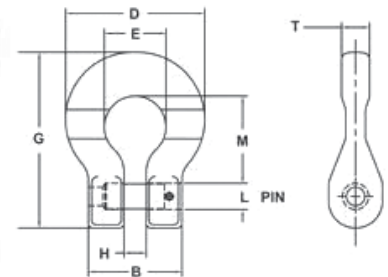
Sizes: 9/32 to 5/8 in.

CM Omegaloks offer an alternative to the CM Hammerlok® as a mechanical coupler. The load and retain pin design is similar to the trademarked Clevlok® connectors. Omegaloks are designed to be used in conjunction with ML Series Master Links and are 100% proof tested.

- Fraction and metric markings
- Durable orange powder coated finish
- 100% proof tested
- For use with master link with flats
- Design factor 4:1



The above picture may not be an exact representation of the product



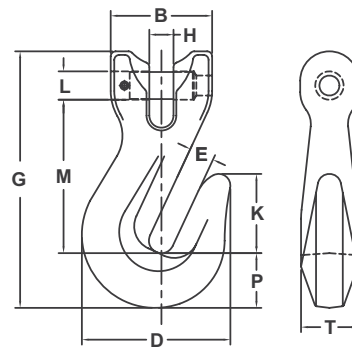
OMEGALOK CONNECTOR														
Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in)								Weight (lbs.)
			Completed Unit	Load Pin	Retainer Pin	B	D	E	G	H	L	M	T	
9/32	4,300	12	644128	595780SP	602306	1.36	2.30	0.98	2.81	0.33	0.36	1.45	0.43	0.55
3/8	8,800	12	644138	595781	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

Clevlok Grab Hook

Herc-Alloy 800

- Quench and tempered alloy steel
- Fatigue rated
- Replacement pin available
- Built without lugs to avoid catching when slipping into tight clearance



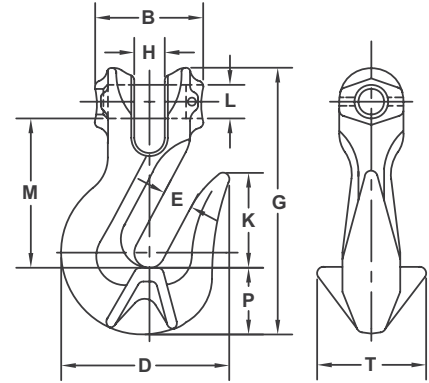
The above picture may not be an exact representation of the product

CLEVLOK® GRAB HOOK HERC-ALLOY 800®															
Size (in)	Working Load Limit (lbs)	Product Code	Load Pin	Retainer Pin	Dimensions (in)										Weight (lbs.)
					B	D	E	G	H	K	L	M	P	T	
Imperial															
9/32	3,500	659232	595780	602326	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	659235	595781	495821	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	659238	595782	495822	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	659239	595783	495823	2.87	4.41	0.75	7.74	0.75	2.39	0.75	4.82	1.80	1.69	4.4

Clevlok Cradle Grab Hook

Herc-Alloy 800

- CM's unique cradle grab design
- Quench and tempered alloy steel
- Fatigue rated
- Replacement pin available



The above picture may not be an exact representation of the product

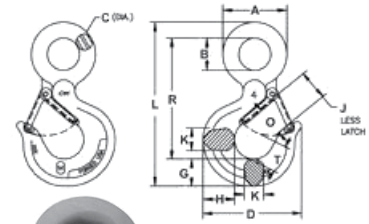
CLEVLOK® CRADLE GRAB HOOK HERC-ALLOY 800®														
Size (in.)	Working Load Limit (lbs.)	Product Code	Dimensions (in)										Weight (lbs.)	
			B	D	E	G	H	K	L	M	P	T		
Imperial														
9/32	3,500	659222	1.31	1.78	.359	3.00	0.33	0.98	0.36	1.63	0.72	1.19	0.44	
3/8	7,100	659225	1.81	2.56	.469	4.08	0.45	1.41	0.51	2.11	1.06	1.75	1.18	
1/2	12,000	659228	2.16	3.25	.594	5.27	0.59	1.88	0.63	2.88	1.28	2.13	2.70	
5/8	18,100	659229	2.69	4.08	.750	6.53	0.75	2.38	0.75	3.56	1.59	2.50	4.60	
3/4	28,300	659430	3.09	4.91	.875	7.88	0.88	2.84	0.91	5.50	1.88	3.13	10.24	

CM Rigging & High-Capacity Rigging Hooks

Dual Rated For Use With HA800 or HA1000

Working Load Limits Up to 60 Tons

- Design factor 5:1 is stronger than the competitor's 4.5:1 design and the same design factor as wire rope, so there is no need to downgrade.
- Highly visible load rating marking is easy-to-read identification for safe and proper use.
- Quenched & tempered delivers maximum strength with minimal unit weight and size.
- Forged latch tab is pre-drilled for easy latch installation. The competitors' tabs are welded – making them susceptible to breaking off during use.
- Low-profile hook tip.
- Load securement with heavy-duty latch. Stamped, spring-action latch meets OSHA Rule 1926.1431(g) and 1926.1501(g).
- Protection against corrosion. Alloy hooks up through 31-1/2 tons have orange powder coated finish. Hooks with WLL 37 tons and greater are protected with Rust Veto.[®]
- Hooks with 3/4 to 7 ton WLL are forged in U.S.A. Hooks with WLL of 7-1/2 ton or greater are forged in Germany. All sizes are machined and heat-treated in the U.S.A.



The above picture may not be an exact representation of the product

RIGGING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

Standard Package	Painted Orange		Painted Orange		Rust Veto [®]		Zinc Plated Latch Kit (optional) Product Code	Dimensions (in)												Weight (lbs.)			
	WLL* (tons)	Product Code		WLL* (tons)	Product Code			WLL* (tons)	Product Code		A	B	C	D	G	H	J	K	L		O	R	T
		Without Latch	With Latch		Without Latch	With Latch			Without Latch	With Latch													
10	3/4	M6402C	M6502C	1	M6402A	M6502A	-	-	-	4X1302	1.5	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	1.1	0.5	3.8	1.06	1.21	1.02	0.74	5.65	1.02	4.09	1.03	1.46
5	2	M6405C	M6505C	3	M6405A	M6505A	-	-	-	4X1305	2.5	1.25	0.64	4.2	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	1.5	1.38	7.97	1.41	5.78	1.53	4.1
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	M6411C	M6511C	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	15.6
-	10	M6415C	M6515C	15	M6415A	M6515A	-	-	-	4X1315	5.34	2.84	1.25	8.53	2.75	3.1	2.5	2.03	14.05	2.3	10.21	2.54	21.58
-	15	M6422C	M6522C	22	M6422A	M6522A	-	-	-	4X1322	6.63	3.5	1.56	10.3	3.15	3.62	3.3	2.6	17.53	3.12	12.81	2.73	39.89
-	-	-	-	31-1/2	M6430A	M6530A	-	-	-	4X1330	7.01	3.5	1.75	12.41	3.62	4.57	3.86	2.99	19.43	3.44	14.06	3.16	65.3
-	-	-	-	-	-	-	37	M6437A	M6537A	4X1337	8.5	4.49	2.01	14.06	4.57	5.72	4.65	3.75	24.76	4.02	18.19	4.4	116.68
-	-	-	-	-	-	-	45	M6445A	M6545A	4X1345	9.28	4.92	2.18	15.75	5.08	6.85	4.8	4.49	27.38	4.06	21.69	4.68	174.82
-	-	-	-	-	-	-	60	M6460A	M6560A	4X1360	10.77	5.71	2.53	18.7	5.98	8.27	5.65	5.51	32.22	4.96	23.7	6.24	301.59

CM Eye Cradle Grab Hook

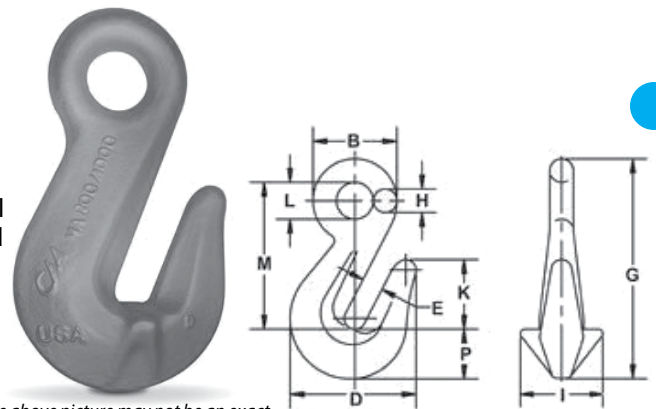
Dual Rated For Use With HA800 or HA1000

WLL: 3,200 to 72,300 lbs.

Sizes: 7/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

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



The above picture may not be an exact representation of the product

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

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	4,410	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*	34,200	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

CM Plate Hook

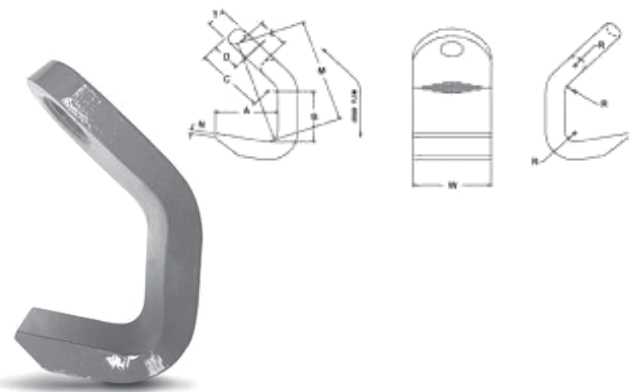
Herc-Alloy 800

WLL: 3,600 to 34,900 lbs.

Sizes: 9/32 to 1/2 in.

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.

- 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
- Meets ASME B30.10 standards
- Design factor 5:1
- Chart Note: Other sizes available.



The above picture may not be an exact representation of the product

PLATE HOOK HERC-ALLOY 800®

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	3.68	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	7.375	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

CM Eye Sling Hook

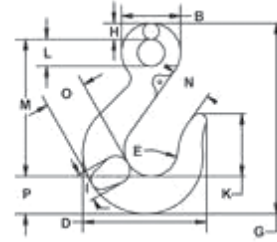
Dual Rated For Use With HA800 or HA1000

WLL: 2,700 to 72,300 lbs.

Sizes: 7/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

- For use with both Grade 80 & 100 chain
- Available with and without latch
- Quench and tempered alloy steel
- 100% proof tested
- Fatigue rated
- Durable orange powder coated finish
- Chart Note: * Herc-Alloy 800® only
- Design factor 4:1



The above picture may not be an exact representation of the product

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

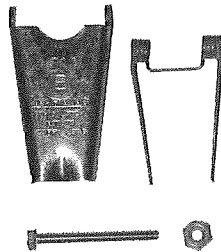
Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in)														Weight (lbs.)
			With (lbs Latch)	Without Latch	Latch Kit	B	D	E	G	H	I	K	L	M	N	O	P	S		
7/32	2,700	10	558618	458618	4X455321	1.50	3.04	1.03	5.06	0.38	0.66	1.48	0.75	3.75	1.17	0.98	0.94	0.96	0.8	
9/32	4,300	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	
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	
1/2	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	
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	
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	
7/8*	34,200	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	
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	
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	

Hook Latch Kit

Plate Hook:

- Made from alloy material
- Designed to handle plate steel
- Available as components or attached to certified sling

Chain Size	Product
ins.	Code
9/32	595523
3/8	595525
1/2	595528
5/8	595529
3/4	595530
7/8	595532

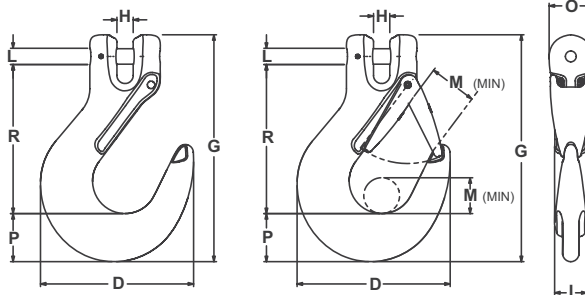


Chain Size		WLL	Product	
ins.	mm	(lbs.)	Code	W
9/32	7	3,600	462528	2.500
3/8	10	7,050	462537	2.750
1/2	13	11,400	462550	3.500
5/8	16	17,800	462562	5.000
3/4	20	25,600	462575	5.750
7/8	22	34,900	462587	6.000

Clevlok Sling Hook

Dual Rated For Use With HA800 or HA1000

- Fraction and metric markings
- Fatigue rated to Grade 100 specifications
- Fits Grade 80 and Grade 100 chain
- New "I" beam body
- 100% proof tested
- Improved forged latch
- New CE compliant hooks and latches
- Meets EN 1677



The above picture may not be an exact representation of the product

CLEVLOK® SLING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000														
Size (in)	Working Load Limit (lbs)	Product Code w/Latch	Product Code w/o Latch	Latch Kit	Dimensions (in.)									Weight (lbs.)
					D	G	H	I	L	M	O	P	R	
9/32	4,300	657718	557718	4X455322	3.53	5.23	0.38	0.75	0.36	0.83	1.00	1.11	3.44	1.20
3/8	8,800	657719	557719	4X455325	4.38	6.53	0.47	0.97	0.51	1.06	1.16	1.36	4.32	2.21
1/2	15,000	657720	557720	4X455328	5.48	8.03	0.58	1.18	0.63	1.38	1.50	1.61	5.35	4.22
5/8	22,600	657721	557721	4X455329	6.20	8.43	0.71	1.44	0.75	1.69	1.74	1.92	6.12	6.64
3/4	35,300	657722	553722	4X455330	7.09	10.80	0.88	1.81	0.94	2.09	2.00	2.08	7.25	11.22

CM Eye Foundry Hook

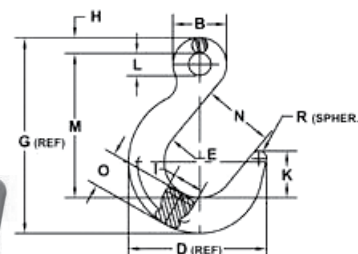
Dual Rated For Use With HA800 or HA1000

WLL: 4,300 to 72,300 lbs.

Sizes: 9/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

- For use with both Grade 80 & 100 chain
- Throat opening up to 6"
- Quench and tempered alloy steel
- Fatigue rated
- Durable orange powder coated finish
- Chart Note: * Herc-Alloy 800® only
- Design factor 4:1



The above picture may not be an exact representation of the product

EYE FOUNDRY HOOK DUAL RATED FOR USE WITH HA800 OR HA1000																
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

CM Sorting Hook

Herc-Alloy 800

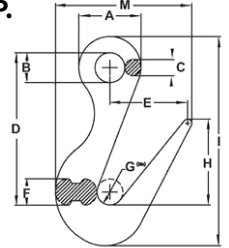
WLL: 7-1/2 Tons

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 or without handles.

- 5:1 design factor
- Quench and tempered alloy steel
- Long tapered point designed for easy grab in rings, pear links, eye bolts or lifting holes
- Durable orange powder coated finish
- May be loaded within 1 in. of the tip.
- The working load limit with the load sitting in the bowl (or saddle of the 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.**



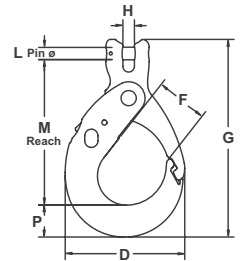
WITHOUT HANDLE WITH HANDLE
The above picture may not be an exact representation of the product



SORTING HOOK HERC-ALLOY 800®															
Working Load Limit (lbs)		With handle		Without handle		Dimensions (in)									
At Tip (ton)	At bottom of Hook (ton)	Product Code	Weight (lbs)	Product Code	Weight (lbs)	A	B	C	D	E	F	G	H	I	M
2	7-1/2	M129H	7.0	M129	6.8	3	1.44	0.78	7.34	3.75	1.28	1.25	3.93	10.09	6.58

Clevlok Style Latchlok Hook

- High cycling, long life spring
- Factory replaceable pins
- "I" beam construction for greater strength
- 100% proof tested
- Fatigue rated to grade 100 specifications
- Durable gray powder coated finish

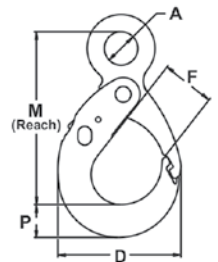


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Clevlok Style Latchlok Hook													
Size (in.)	Working Load Limit (lb.)	Product Code	Replace Latch Kit Part #	Dimensions (in)									Weight (lb.)
				H	M	P	D	F	J	K	G	L	
9/32	4,300	M616005	656005	0.35	5.05	0.88	3.77	1.64	1.00	0.91	5.74	0.36	2.40
3/8	8,800	M616010	656010	0.47	6.08	1.07	4.76	2.27	1.16	1.14	6.92	0.51	4.20
1/2	15,000	M616015	656015	0.59	7.88	1.58	6.26	2.91	1.50	1.46	8.96	0.63	9.00
5/8	22,600	M616020	656020	0.71	8.96	1.97	7.37	3.20	1.74	1.81	10.22	0.75	14.00

Eye Style Latchlok Hook

- Large eye design for use with chain, wire rope and synthetic material
- Factory replaceable pins
- 100% proof tested
- Fatigue rated to grade 100 specifications
- For welded 7/32" Chain Sling use 9/32" Eye Lodelok Hook
- Durable gray powder coated finish



The above picture may not be an exact representation of the product

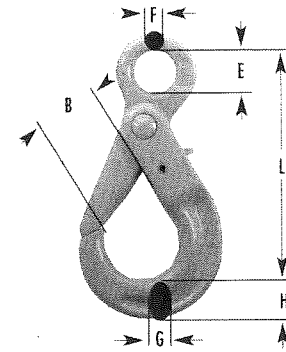
EYE STYLE LATCHLOK HOOK RATED FOR USE WITH HA800 OR HA1000											
Size (in)	Working Load Limit (lbs)	Product Code	Replace Latch Kit Part #	Dimensions (in)							Weight (lbs.)
				A	M	P	D	F	H	K	
9/32	4,300	M626005	656005	1.09	5.37	0.88	3.77	1.64	0.44	0.91	2.50
3/8	8,800	M626010	656010	1.36	6.65	1.07	4.76	2.27	0.59	1.14	4.56
1/2	15,000	M626015	656015	1.57	8.79	1.58	6.26	2.91	0.79	1.46	10.00
5/8	22,600	M626020	656020	2.00	10.36	1.97	7.37	3.20	1.03	1.81	16.00



Safety Hooks

BK Safety Hook (Eye Type)

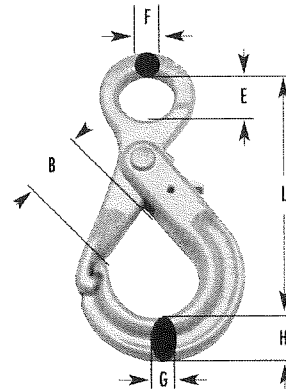
- Equipped with stainless steel springs
- Heat number identification for traceability
- Latch closes automatically under load
- Hook will not open under load



BK Safety Hook (Eye Type)											
Chain size		WLL*	Product	Model	Dimensions (inches)						Wt. Ea.
(in.)	(mm)	(lbs.)*	code	Number	L	B	E	F	G	H	(lbs.)
7/32	6	2,100	511100	BK-5/6-8	4.30	1.10	0.87	0.39	0.55	0.750	0.97
9/32	7	3,500	511110	BK-7/8-8	5.40	1.40	0.99	0.43	0.67	0.910	1.70
5/16	8	4,500	511110	BK-7/8-8	5.40	1.40	0.99	0.43	0.67	0.910	1.70
3/8	10	7,100	511120	BK-10-8	6.60	1.70	1.30	0.51	0.98	1.100	3.30
1/2	13	12,000	511130	BK-13-8	8.20	2.10	1.60	0.63	1.10	1.500	6.20
5/8	16	18,100	511140	BK-16-8	10.00	2.50	2.00	0.79	1.50	1.900	12.30
3/4	20	28,300	511141	BK-18/20-8	11.40	2.70	2.40	0.87	1.70	2.200	17.40
7/8	22	34,200	511142	BK-22-8	12.60	3.10	2.80	0.95	1.90	2.400	24.70
1	26	47,700	511149	BK-26-8	13.60	3.90	3.10	1.00	2.00	2.700	32.00

OBK Safety Hook with Grip Latch (Eye Type)

- Equipped with stainless steel springs
- Heat number identification for traceability
- Grip latch locks into point of hooks
- Latch is protected and will act as a gauge to signal unsafe bent hook or latch

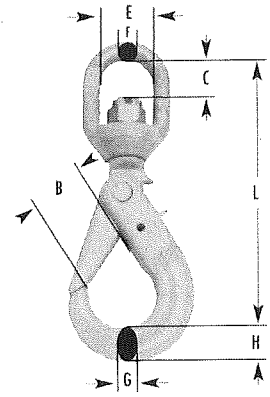


OBK Safety Hook with Grip Latch (Eye Type)											
Chain size		WLL*	Product	Model	Dimensions (inches)						Wt. Ea.
(in.)	(mm)	(lbs.)*	code	Number	L	B	E	F	G	H	(lbs.)
7/32	6	2,100	511004	OBK-5/6-8	4.10	1.00	0.87	0.35	0.55	0.670	0.88
9/32	7	3,500	511010	OBK-7/8-8	5.10	1.30	0.99	0.39	0.67	0.790	1.40
5/16	8	4,500	511010	OBK-7/8-8	5.10	1.30	0.99	0.39	0.67	0.790	1.40
3/8	10	7,100	511020	OBK-10-8	6.40	1.70	1.30	0.49	0.83	0.970	2.60
1/2	13	12,000	511030	OBK-13-8	7.70	2.00	1.60	0.59	1.10	1.200	4.40
5/8	16	18,100	511040	OBK-16-8	9.30	2.40	2.00	0.75	1.20	1.500	9.00
3/4	20	28,300	511045	OBK-18/20-8	11.50	2.80	2.40	1.10	1.40	1.900	16.50
7/8	22	34,200	511006	OBK-22-8	13.20	3.40	2.80	0.95	1.60	2.200	22.00

Safety Hooks

BKL Safety Hook with Bronze Bushings (Swivel Eye Type)

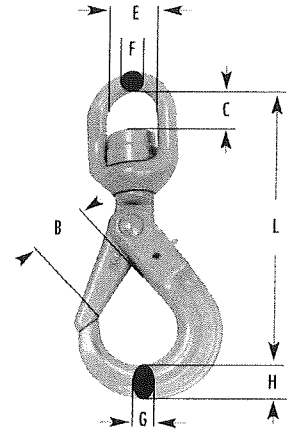
- Equipped with stainless steel springs
- Heat number identification for traceability
- Latch closes automatically under load
- Hook will not open under load
- Release trigger will only operate when look is unloaded
- Bushing allows hook to swivel before load is applied



BKL Safety Hook with Bronze Bushings (Swivel Eye Type)											
Chain size		WLL*	Product	Model	Dimensions (inches)						Wt. Ea.
(in.)	(mm)	(lbs.)*	code	Number	L	B	E	F	G	H	(lbs.)
7/32	6	2,100	511250	BKL-5/6-8	5.90	1.10	0.91	0.43	0.55	0.750	1.50
9/32	7	3,500	511260	BKL-7/8-8	7.20	1.40	1.10	0.47	0.67	0.910	2.40
5/16	8	4,500	511260	BKL-7/8-8	7.20	1.40	1.10	0.47	0.67	0.910	2.40
3/8	10	7,100	511270	BKL-10-8	8.60	1.70	1.50	0.59	0.99	1.100	4.20
1/2	13	12,000	511280	BKL-13-8	10.90	2.10	1.70	0.75	1.10	1.500	8.40
5/8	16	18,100	511290	BKL-16-8	13.20	2.50	2.30	0.87	1.50	1.900	15.60
3/4	20	28,300	589325	BKL-18/20-8	14.50	2.70	1.70	1.00	2.90	1.000	23.80

BKLN Safety hook with Ball Bearings (Swivel Eye Type)

- Equipped with stainless steel springs
- Heat number identification for traceability
- Latch closes automatically under load
- Hook will not open under load
- Release trigger will only operate when hook is unloaded
- Ball bearing allows hook to swivel before load is applied

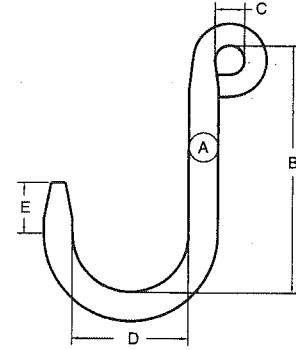


BKLN Safety Hook with Ball Bearings (Swivel Eye Type)												
Chain size		WLL*	Product	Model	Dimensions (inches)						Wt. Ea.	
(in.)	(mm)	(lbs.)*	code	Number	L	B	C	E	F	G	H	(lbs.)
7/32	6	2,100	511323	BKLN-5/6-8	5.80	1.10	0.87	1.30	0.43	0.55	0.750	1.50
9/32	7	3,500	511324	BKLN-7/8-8	7.20	1.40	1.10	1.40	0.47	0.67	0.910	2.40
5/16	8	4,500	511324	BKLN-7/8-8	7.20	1.40	1.10	1.40	0.47	0.67	0.910	2.40
3/8	10	7,100	511325	BKLN-10-8	8.50	1.70	1.30	1.60	0.59	0.99	1.100	4.20
1/2	13	12,000	511326	BKLN-13-8	10.90	2.10	1.60	1.90	0.75	1.10	1.500	8.40
5/8	16	18,100	511327	BKLN-16-8	13.20	2.50	2.00	2.40	0.87	1.50	1.900	15.90
3/4	20	28,300	589326	BKLN-18/20-8	14.50	2.70	1.70	2.30	2.20	2.90	1.000	23.80

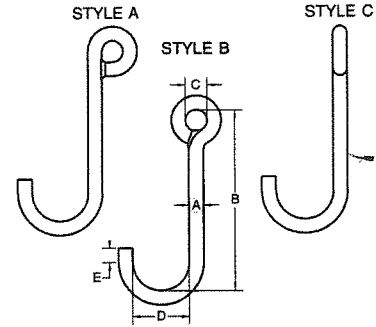
Foundry Sorting Hook

Foundry Sorting Hook							
Chain Size	WLL* (lbs.)*	Product Code	Material Diameter A	Inside Reach B	Inside I.D. Eye C	Bowl Opening D	Tip Length E
0.28	500	FSA050	0.50	6.00	0.75	2.50	0.75
0.28	800	FSA063	0.63	8.50	0.75	3.50	1.50
0.28	1,300	FSA075	0.75	8.50	0.75	3.50	1.50
0.38	1,600	FSA081	0.81	8.50	0.88	3.50	1.50
0.38	2,500	FSA100	1.00	8.50	1.00	4.00	1.75
0.38	3,500	FSA113	1.13	8.50	1.00	4.00	2.00
0.50	4,500	FSA125	1.25	8.50	1.25	4.00	2.00
0.50	6,000	FSA150	1.50	8.50	1.25	5.00	1.50

Foundry Sorting Hook - Short Version							
Chain Size	WLL* (lbs.)*	Product Code	Material Diameter A	Inside Reach B	Inside I.D. Eye C	Bowl Opening D	Tip Length E
0.28	450	FSA050S	0.50	6.00	0.75	3.00	1.50
0.28	900	FSA063S	0.63	6.00	0.75	3.00	1.50
0.28	1,400	FSA075S	0.75	6.00	0.75	3.00	1.50
0.38	2,000	FSA088S	0.88	6.00	0.88	3.00	1.50
0.38	3,000	FSA100S	1.00	6.00	1.00	3.00	1.50
0.38	4,000	FSA113S	1.13	6.00	1.00	3.00	1.50
0.50	5,500	FSA125S	1.25	6.00	1.25	3.00	1.50



Standard Alloy J - Hooks								
WLL* (lbs.)*	Product Code A	Product Code B	Product Code C	Material Dia. A	Inside Reach B	Inside I.D. Eye C	Bowl Open D	Tip Lgth. E
250	JAA031	JBA031	JCA031	0.31	5.00	0.75	1.25	0.25
350	JAA038	JBA038	JCA038	0.38	6.00	0.75	1.50	0.38
650	JAA050	JBA050	JCA050	0.50	8.00	0.75	2.00	0.50
850	JAA063	JBA063	JCA063	0.63	9.00	1.00	2.50	0.63
1,200	JAA075	JBA075	JCA075	0.75	10.00	1.00	3.00	0.75
1,500	JAA088	JBA088	JCA088	0.88	12.00	1.00	3.50	0.88
2,000	JAA100	JBA100	JCA100	1.00	14.00	1.25	4.00	1.00
2,250	JAA113	JBA113	JCA113	1.13	15.00	1.25	4.50	1.12
2,750	JAA125	JBA125	JCA125	1.25	16.00	1.50	5.00	1.25
3,000	JAA138	JBA138	JCA138	1.38	17.00	1.50	5.50	1.38
3,500	JAA150	JBA150	JCA150	1.50	18.00	2.00	6.00	1.50
4,000	JAA175	JBA175	JCA175	1.75	20.00	2.50	7.00	1.75
5,000	JAA200	JBA200	JCA200	2.00	24.00	3.00	8.00	2.00





GRADE 100 SECTION

G-100 CHAIN CONFIGURATIONS WITH PEWAG RINGS AND GUNNEBO-JOHNSON SUBMASTER RINGS

SINGLE LEG SLING

CHAIN SIZE INCH	MASTER RING DIA.	WLL @ 90 DEG	CHOK E WLL
9/32	1/2	4,300	2,625
3/8	3/4	8,800	5,325
1/2	1	15,000	9,000
5/8	1	22,600	13,575
3/4	1-1/4	35,300	21,225
7/8	1-1/2	42,700	25,620
1	1-3/4	59,700	35,820
1-1/4	2	90,400	54,240

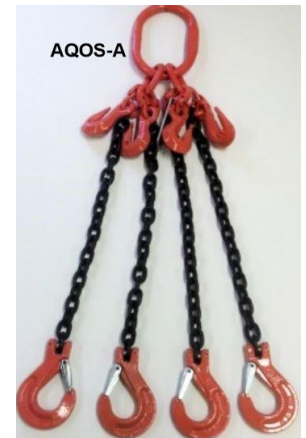
TWO LEG BRIDLE



CHAIN SIZE INCH	MASTER RING DIA.	WLL @ 90 DEG	60 DEG	45 DEG	30 DEG
9/32	5/8	8,600	7,400	6,100	4,300
3/8	7/8	17,600	15,200	12,400	8,800
1/2	1	30,000	26,000	21,200	15,000
5/8	1-1/4	45,200	39,100	32,000	22,600
3/4	1-1/2	70,600	61,000	49,900	35,300
7/8	1-3/4	85,400	74,000	60,400	42,700
1	2	119,400	103,400	84,400	59,700
1-1/4	2-3/8	180,800	156,600	127,800	90,400

THREE & FOUR LEGGED BRIDLES

CHAIN SIZE INCH	SUB MASTER RING	WLL @ 90 DEG	60 DEG	45 DEG	30 DEG
9/32	7/8	12,900	11,200	9,100	6,400
3/8	1-1/4	26,400	22,900	18,700	13,200
1/2	1-5/8	45,000	39,000	31,800	22,500
5/8	2	67,800	39,000	31,800	22,500
3/4	2-1/4	105,900	91,700	74,900	53,000
7/8	2-1/2	128,100	110,900	90,600	64,000
1	2-3/4	179,100	155,100	126,000	89,550
1-1/4	3-1/4	271,200	234,900	191,700	135,600

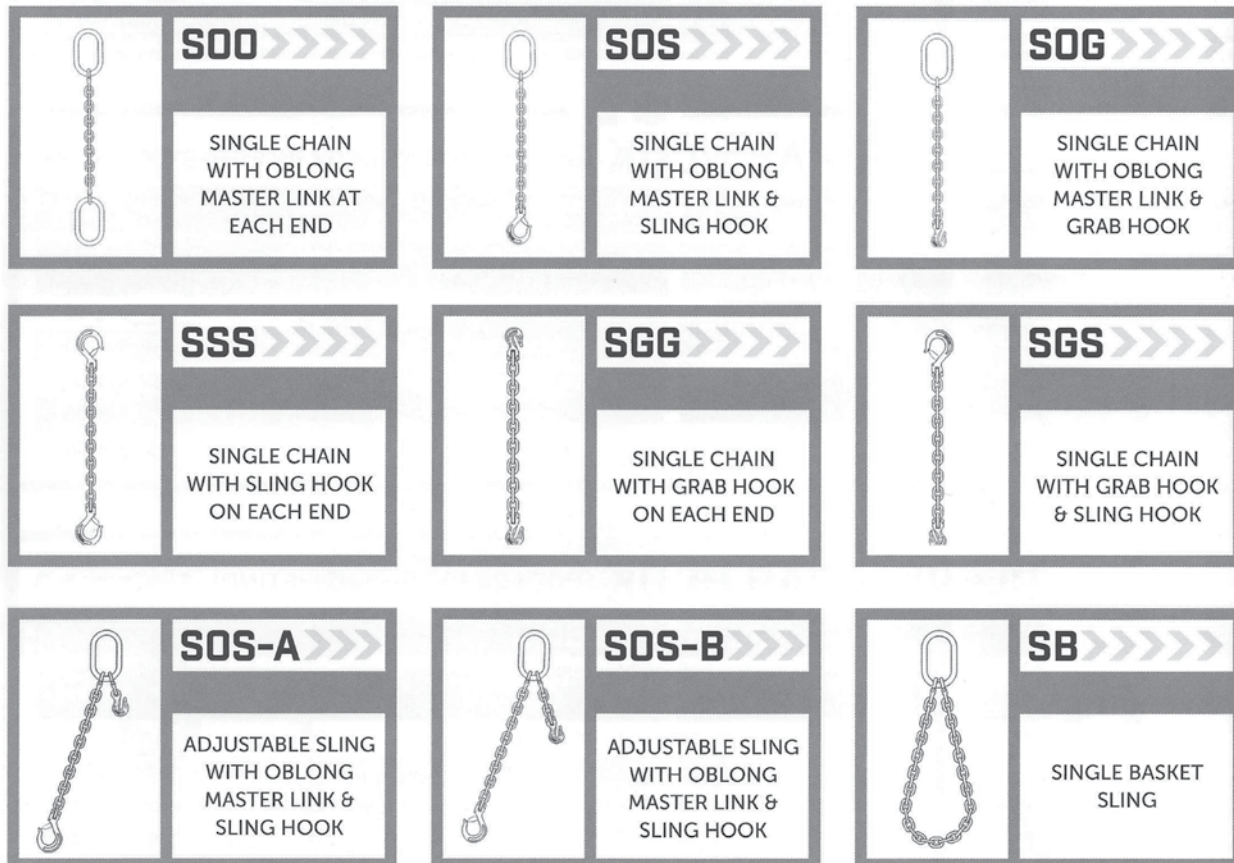


SELECTING THE PROPER SLING

Selecting the Proper Sling

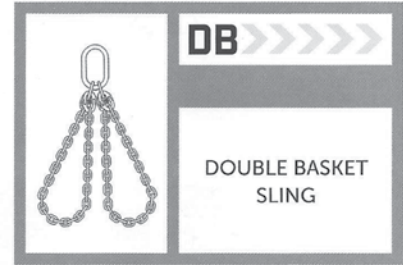
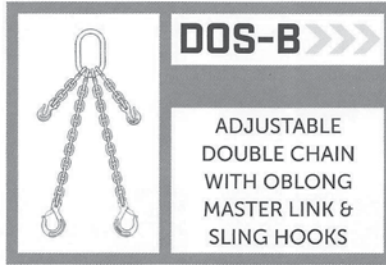
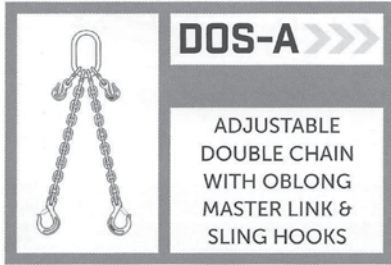
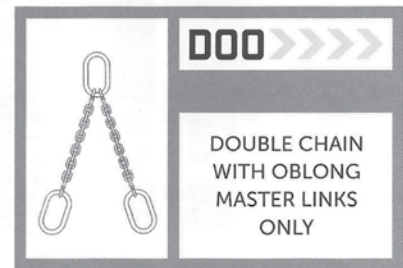
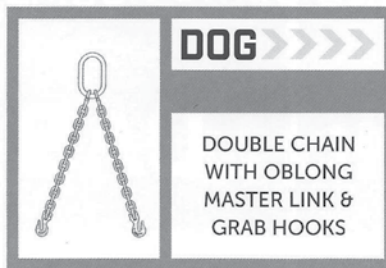
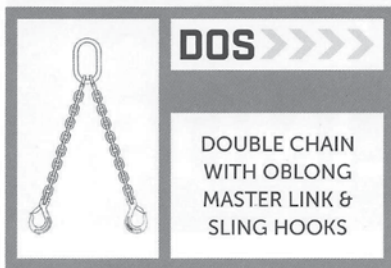
1. Verify the weight of the load to be lifted.
2. Select the size and style of sling appropriate for the load.
3. Take into consideration the possibility of using multiple legged sling, and the sling angle used in the lift. This would include compensating for ceiling height and elevation of lift.
4. Inspect the chain and attachments prior to your lift. Follow the inspection criteria on page 25.
5. Use the established lettering system as below.

Single Slings

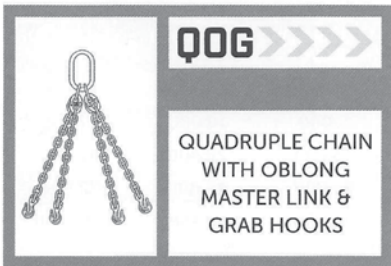
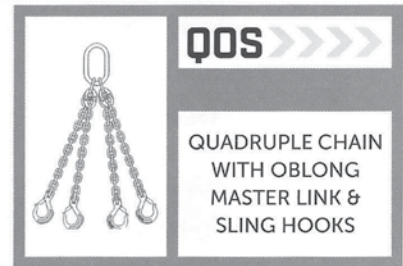
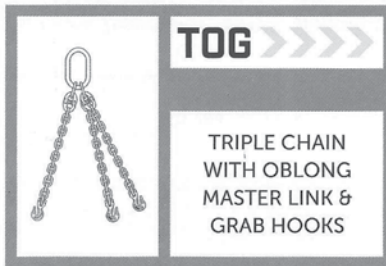
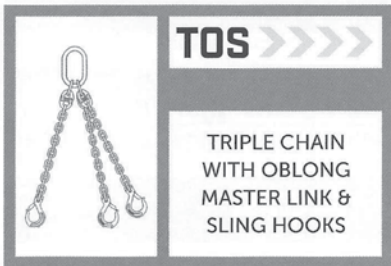


SELECTING THE PROPER SLING (CONTINUED)

Double Slings



Triple & Quad Slings



Herc-Alloy® 1000 Slings

Types of Chain Slings

In describing the type, the following symbols should be used if attachments are other than standard, give detail specifications.

First symbol (basic type)

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

Second symbol (type of master link or end link)











- O** Oblong master link of standard dimensions

Third symbol (type of hook)

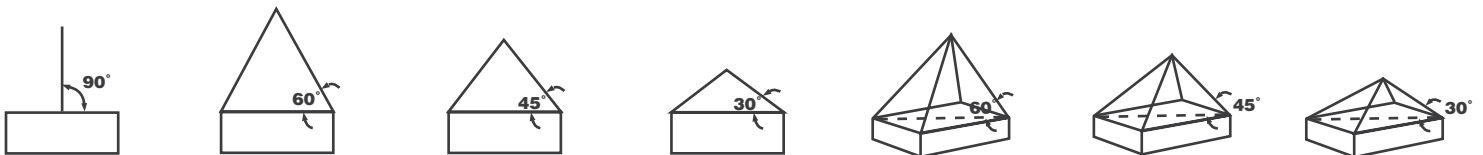
- S** Sling hook
- G** Grab hook
- F** Foundry hook
- L** Lodelok hook

Additional coding is defined as follows

- AS** Adjustable single
- ES** Endless single
- SAL** Single adjustable loop
- AD** Adjustable double
- SB** Single basket
- ED** Endless double
- DAL** Double adjustable loop
- DB** Double basket

SLING CONFIGURATION	Single (1 Leg)	Double (2 Legs)			Triple (3 Legs)			Quad (4 Legs)		
										
Chain size	Working Load Limits for Angles Available (shown Below) for each Sling Type									
in.	90°	60°	45°	30°	60°	45°	30°	60°	45°	30°
	lb.									
7/32	2,700	4,700	3,800	2,700	7,000	5,700	4,000	7,000	5,700	4,000
9/32	4,300	7,400	6,100	4,300	11,200	9,100	6,400	11,200	9,100	6,400
3/8	8,800	15,200	12,400	8,800	22,900	18,700	13,200	22,900	18,700	13,200
1/2	15,000	26,000	21,200	15,000	39,000	31,800	22,500	39,000	31,800	22,500
5/8	22,600	39,100	32,000	22,600	58,700	47,900	33,900	58,700	47,900	33,900
3/4	35,300	61,100	49,900	35,300	91,700	74,900	53,000	91,700	74,900	53,000

DO NOT USE AT ANGLES SMALLER THAN 30°



CM Herc-Alloy 1000 Chain

WLL: 2,700 to 35,300 lbs.

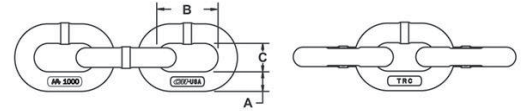
Sizes: 7/32 to 3/4 in.

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

- 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
- Design factor 4:1



The above picture may not be an exact representation of the product



HERC-ALLOY 1000 CHAIN

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

GRADE 100

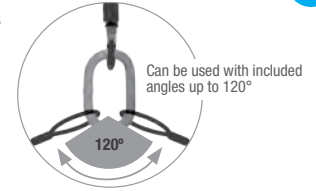
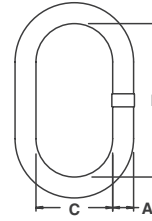
CM Master Link

Dual Rated For Use With HA800 or HA1000

WLL: 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



The above picture may not be an exact representation of the product

MASTER LINK DUAL RATED FOR USE WITH HA800 OR HA1000											
Trade Size (in.)	Working Load Limit (lbs.)	Catalog Number	Product Code	Nominal Chain Dimensions (in.)			Weight (lbs)	Type and Size of Grade 80 Chain Sling (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

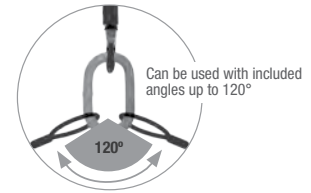
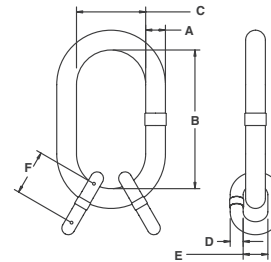
CM Sub-Assembly

Dual Rated For Use With HA800 or HA1000

WLL: 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



The above picture may not be an exact representation of the product

SUB-ASSEMBLY DUAL RATED FOR USE WITH HA800 OR HA1000												
Trade Size (in.)	Working Load Limit at 60° (lbs.)	Catalog Number	Product Code	Master Link Nominal Dimensions			Intermediate Link Nominal Dimensions			Weight (lbs./ft.)	Type and Size of Chain Sling on Which Used	
				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

CM EZ-Connect Master Link and Chain Shortener

Dual Rated For Use With HA800 or HA1000

WLL: Up to 39,100 lbs.

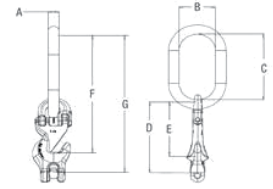
Sizes: Use with chain from 9/32 to 5/8 in. The CM EZ-Connect Master Link and Chain Shortener allows you to build chain slings easier than ever. We've combined two core components of every single or double chain sling, so it's easier to assemble and adjust your sling - and even easier to order. Accepts both Herc-Alloy® 1000 & 800 chain and components.

- Eliminates the need to order two products – one part number gets you everything you need for your sling assembly.
- Get big savings when you purchase the CM EZ-Connect versus individual components.
- Chain shortener 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. Does not require the sling to be de-rated.
- I-beam design is easy to use and provides the same strength with smaller profile and weight compared to other chain shorteners.
- Components made of alloy steel, proof tested and powder coated for extra protection from corrosion.
- Meets ASME, ASTM and OSHA requirements.
- Made in the USA.

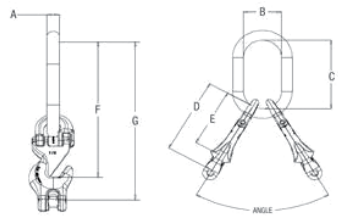


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EZ-CONNECT FOR SINGLE LEG SLING



EZ-CONNECT FOR DOUBLE LEG SLING



CM EZ-CONNECT MASTER LINK AND CHAIN SHORTENER RATED FOR USE WITH HA800 OR HA1000													
		Working Load Limit (lbs)				Weight (lbs)	NOMINAL DIMENSIONS (IN.)						
		90°	60°	45°	30°		Master Link			Shortener		Overall Reach	
							Material Diameter A	Width B	Pitch C	Pitch D	Pitch E	F	G
EZ-CONNECT FOR SINGLE LEG SLING													
555232S1	9/32	4,300	-	-	-	1.9	0.562	2.5	5	4.76	3.38	8.38	9.76
555235S1	3/8	8,800	-	-	-	4.6	0.75	2.75	5.5	6.25	4.74	10.24	11.75
555238S1	1/2	15,000	-	-	-	9.6	1	3.5	7	7.57	5.82	12.82	14.57
555239S1	5/8	22,600	-	-	-	12.79	1	3.5	7	9.32	7.04	14.04	16.32
EZ-CONNECT FOR DOUBLE LEG SLING													
555232S2	9/32	-	7,400	6,100	4,300	3	0.562	2.5	5	4.76	3.38	8.38	9.76
555235S2	3/8	-	15,200	12,400	8,800	7.1	0.75	2.75	5.5	6.25	4.74	10.24	11.75
555238S2	1/2	-	26,000	21,200	15,000	14.5	1	3.5	7	7.57	5.82	12.82	14.57
555240S2	5/8	-	39,100	32,000	22,600	26.59	1.25	4.38	8.75	9.32	7.04	15.79	18.07

A | Master Link

Master link for 1 or 2 leg chain sling.

A MASTER LINK									
Part #	Code #	WLL 90°-45° [lb]	d [Inch]	t [Inch]	w [Inch]	s [Inch]	Weight [lb/pc.]	Master link for chain	
								1-leg	2-leg
46774	A100	3,800	0.39	3.15	1.97	0.39	0.31	7/32"	-
46775	A130	5,800	0.51	4.33	2.36	0.39	0.75	9/32"	7/32"
46776	A160	7,500	0.63	4.33	2.36	0.55	1.17	5/16"	9/32"
46777	A180	10,000	0.75	5.31	2.95	0.55	2.03	3/8"	5/16"
46778	A220	16,700	0.91	6.30	3.54	0.67	3.53	1/2"	3/8"
46779	A260	26,000	1.06	7.09	3.94	0.79	5.42	5/8"	1/2"
46780	A320	39,100	1.30	7.87	4.33	1.02	9.13	3/4"	5/8"
46781	A360	61,100	1.42	10.24	5.51	-	13.72	7/8"	3/4"
46782	A450	83,100	1.77	13.39	7.09	-	28.27	1"	7/8"
60723	A500	111,000	1.97	13.78	7.48	-	36.49	1-1/4"	1"
71783	A560	156,600	2.36	15.75	7.87	-	59.56	-	1-1/4"
54786	A720	234,900	2.76	18.11	9.84	-	99.23	-	-



The above picture may not be an exact representation of the product

M | Enlarged Master Link

Similar to master link A, but due to larger inside dimensions suitable for next sized crane hook or special hook.

M ENLARGED MASTER LINK									
Part #	Code #	WLL 90°-45° [lb]	d [Inch]	t [Inch]	w [Inch]	s [Inch]	Weight [lb/pc.]	Master link for chain	
								1-leg	2-leg
61990	M100	3,800	0.43	3.54	2.56	0.39	0.49	7/32"	-
61993	M130	6,100	0.55	4.72	2.76	0.39	0.97	9/32"	7/32"
61996	M160	8,400	0.63	5.51	3.15	0.51	1.48	5/16"	9/32"
62001	M180	12,800	0.75	6.30	3.74	0.55	2.40	3/8"	5/16"
62004	M220	18,500	0.91	6.70	3.99	0.67	3.73	1/2"	3/8"
62008	M260	30,000	1.06	7.48	4.33	0.79	5.84	5/8"	1/2"
62011	M320	45,000	1.30	9.06	5.12	1.02	10.54	3/4"	5/8"
62014	M360	61,100	1.50	10.83	5.91	1.14	16.49	7/8"	3/4"

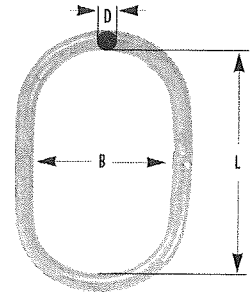


The above picture may not be an exact representation of the product

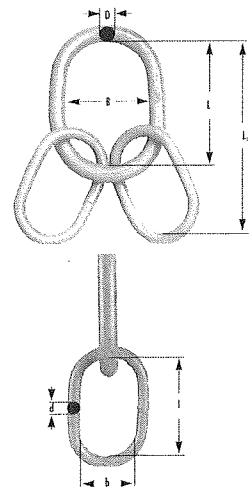
Grade 100 Oblong Master Rings

- Used for mechanical and welding sling assemblies
- 100% proof tested
- Custom sizes available upon request

Oblong Master Ring Specifications, (With Flat) Specifications								
Size (in.)	Product Code (mm)	For Chain Size (in.)		WLL (lbs.)	Dimensions (ins.)			Weight
		1 Leg	2 Leg		L	B	D	
3/8	589614			3,300	3.9	2.4	.43	.44
1/2	589615	1/4		7,000	4.7	2.8	.55	.88
5/8	589616		1/4	11,400	5.5	3.2	.67	1.8
3/4	589617	3/8	3/8	12,300	5.9	3.5	.75	2.2
7/8	589618			17,200	6.3	3.7	.87	3.3
1	589619	1/2, 5/8	1/2	29,900	7.5	4.3	.99	5.1
1-1/4	589620	3/4	5/8	35,200	7.9	4.7	1.2	7.7
1-3/8	589621			45,300	9.5	5.5	1.3	11.7
1-1/2	589622	7/8	3/4	68,000	9.9	5.9	1.5	15.4
1-5/8	589623			70,400	9.9	5.9	1.6	17.6
1-3/4	589624	1	7/8	84,900	11.8	7.1	1.8	26.5
2	589625	1-1/4	1	102,600	11.8	7.9	2.0	33.1
2-1/4	589626		1-1/4	143,100	11.8	7.9	2.2	46.3
2-1/2	589627			160,000	13.8	7.9	2.4	57.3
2-3/4	589628			220,200	15.8	9.9	2.8	94.8
3-1/4	589629			275,300	15.8	9.9	3.2	125.6



Oblong Master Ring with Sub-Assembly Specifications											
Size (in.)	Product Code	WLL (lbs.)		Dimensions (ins.)							Weight
		4:1 Design	5:1 Design	L1	L	B	D	1	b	d	
3/4	589630	13,750	11,000	10.2	5.9	3.5	.75	4.3	2.4	.55	4.0
7/8	589631	22,000	17,600	11.8	6.3	3.7	.87	5.5	3.2	.67	6.8
1	589632	26,625	21,300	13.4	7.5	4.3	.98	5.9	3.5	.75	7.0
1-1/4	589633	44,000	35,200	14.2	7.9	4.7	1.2	6.3	3.7	.87	14.3
1-5/8	589634	71,500	57,200	16.9	9.9	5.9	1.6	7.1	4.1	1.1	33.1
2	589635	96,250	77,000	19.7	11.8	7.9	2.0	7.9	4.3	1.3	50.7
2-1/4	589636	137,625	110,100	22.0	11.8	7.9	2.2	10.2	5.5	1.5	72.7
2-1/2	589637	206,375	165,100	24.0	13.8	7.9	2.4	10.2	5.5	1.8	101.4
2-3/4	589638	275,250	220,200	26.8	15.8	9.9	2.8	11.0	6.3	2.0	156.5
3-1/4	589639	344,125	275,300	26.8	15.8	9.9	3.1	11.0	6.3	2.2	200.6



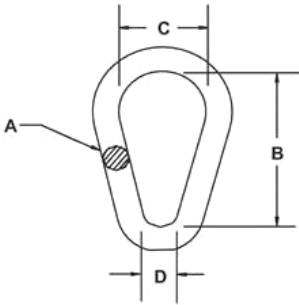
*** ⚠ WARNING**
 DO NOT EXCEED WORKING LOAD LIMIT.
 USE ONLY ALLOY CHAIN WITH COMPATIBLE
 COMPONENTS FOR OVERHEAD LIFTING.

CM Pear Shaped Master Link

Herc-Alloy 1000

WLL: 9,000 to 125,200 lbs.

Sizes: 1/2 to 2-1/4 in.



The above picture may not be an exact representation of the product

PEAR SHAPED MASTER LINK HERC-ALLOY® 1000										
Trade Size (in.)	Working Load Limit (lbs.)	Product Code	Nominal Chain Dimensions (in.)				Weight (lbs.)	Type and Size of Chain Sling on Which Used		
			Material Diameter A	Inside Length B	Inside Width C	Inside Width D		Single	Double	Triple
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	-	-	-

These links may be used for the same applications as oblong master links, but their design is not optimum for multiple branch slings and, in some cases, may interfere with the crane hook.

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

CM Eye Foundry Hook

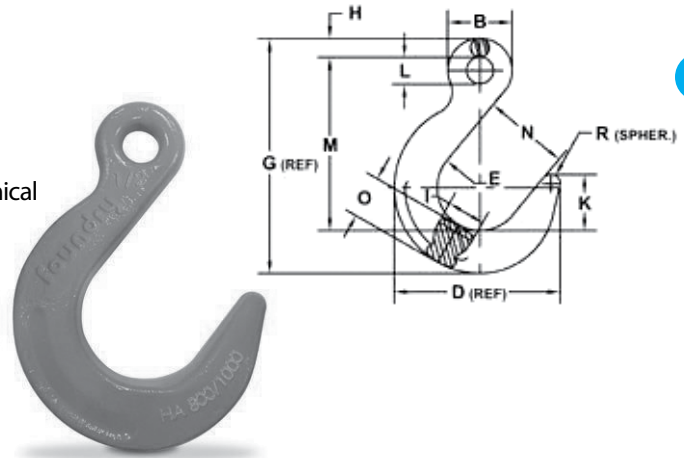
Dual Rated For Use With HA800 or HA1000

WLL: 4,300 to 72,300 lbs.

Sizes: 9/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

- For use with both Grade 80 & 100 chain
- Throat opening up to 6"
- Quench and tempered alloy steel
- Fatigue rated
- Durable orange powder coated finish
- Chart Note: * Herc-Alloy 800° only
- Design factor 4:1



The above picture may not be an exact representation of the product

EYE FOUNDRY HOOK DUAL RATED FOR USE WITH HA800 OR HA1000																
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

CM Rigging & High-Capacity Rigging Hooks

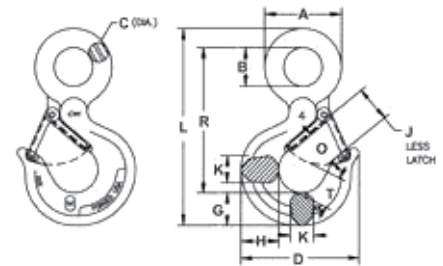
Dual Rated For Use With HA800 or HA1000

Working Load Limits Up to 60 Tons

- Design factor 5:1 is stronger than the competitor's 4.5:1 design and the same design factor as wire rope, so there is no need to downgrade.
- Highly visible load rating marking is easy-to-read identification for safe and proper use.
- Quenched & tempered delivers maximum strength with minimal unit weight and size.
- Forged latch tab is pre-drilled for easy latch installation. The competitors' tabs are welded – making them susceptible to breaking off during use.
- Low-profile hook tip.
- Load securement with heavy-duty latch. Stamped, spring-action latch meets OSHA Rule 1926.1431(g) and 1926.1501(g).
- Protection against corrosion. Alloy hooks up through 31-1/2 tons have orange powder coated finish. Hooks with WLL 37 tons and greater are protected with Rust Veto.[®]
- Hooks with 3/4 to 7 ton WLL are forged in U.S.A. Hooks with WLL of 7-1/2 ton or greater are forged in Germany. All sizes are machined and heat-treated in the U.S.A.



The above picture may not be an exact representation of the product



RIGGING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000																							
Standard Package	Painted Orange		Painted Orange		Rust Veto [®]		Zinc Plated Latch Kit (optional) Product Code	Dimensions (in)												Weight (lbs.)			
	WLL* (tons)	Product Code		WLL* (tons)	Product Code			WLL* (tons)	Product Code		A	B	C	D	G	H	J	K	L		O	R	T
		Without Latch	With Latch		Without Latch	With Latch			Without Latch	With Latch													
10	3/4	M6402C	M6502C	1	M6402A	M6502A	-	-	-	4X1302	1.5	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	1.1	0.5	3.8	1.06	1.21	1.02	0.74	5.65	1.02	4.09	1.03	1.46
5	2	M6405C	M6505C	3	M6405A	M6505A	-	-	-	4X1305	2.5	1.25	0.64	4.2	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	1.5	1.38	7.97	1.41	5.78	1.53	4.1
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	M6411C	M6511C	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	15.6
-	10	M6415C	M6515C	15	M6415A	M6515A	-	-	-	4X1315	5.34	2.84	1.25	8.53	2.75	3.1	2.5	2.03	14.05	2.3	10.21	2.54	21.58
-	15	M6422C	M6522C	22	M6422A	M6522A	-	-	-	4X1322	6.63	3.5	1.56	10.3	3.15	3.62	3.3	2.6	17.53	3.12	12.81	2.73	39.89
-	-	-	-	31-1/2	M6430A	M6530A	-	-	-	4X1330	7.01	3.5	1.75	12.41	3.62	4.57	3.86	2.99	19.43	3.44	14.06	3.16	65.3
-	-	-	-	-	-	-	37	M6437A	M6537A	4X1337	8.5	4.49	2.01	14.06	4.57	5.72	4.65	3.75	24.76	4.02	18.19	4.4	116.68
-	-	-	-	-	-	-	45	M6445A	M6545A	4X1345	9.28	4.92	2.18	15.75	5.08	6.85	4.8	4.49	27.38	4.06	21.69	4.68	174.82
-	-	-	-	-	-	-	60	M6460A	M6560A	4X1360	10.77	5.71	2.53	18.7	5.98	8.27	5.65	5.51	32.22	4.96	23.7	6.24	301.59

CM Eye Cradle Grab Hook

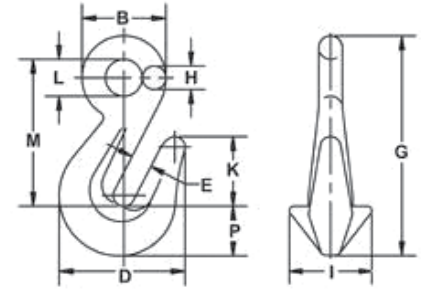
Dual Rated For Use With HA800 or HA1000

WLL: 3,200 to 72,300 lbs.

Sizes: 7/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

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



The above picture may not be an exact representation of the product

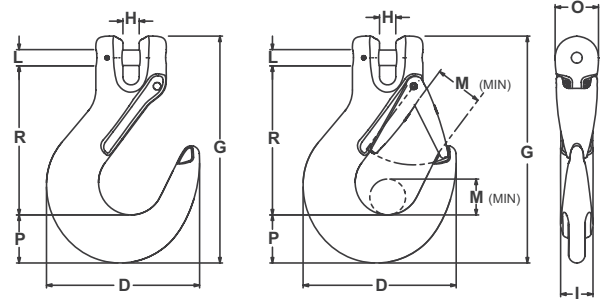
EYE CRADLE GRAB HOOK DUAL RATED FOR USE WITH HA800 OR HA1000														
Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in)										Weight (lbs.)
				B	D	E	G	H	I	K	L	M	P	
7/32	3,200	10	559724	1.20	1.68	0.31	3.22	0.33	0.92	0.99	0.55	2.20	0.69	0.35
9/32	4,410	10	559725	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*	34,200	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

Clevlok Sling Hook

Dual Rated For Use With HA800 or HA1000

- Fraction and metric markings
- Fatigue rated to Grade 100 specifications
- Fits Grade 80 and Grade 100 chain
- New "I" beam body
- 100% proof tested
- Improved forged latch
- New CE compliant hooks and latches
- Meets EN 1677



The above picture may not be an exact representation of the product

CLEVLOK® SLING HOOK DUAL RATED FOR USE WITH HA800 OR HA1000														
Size (in)	Working Load Limit (lbs)	Product Code w/Latch	Product Code w/o Latch	Latch Kit	Dimensions (in.)									Weight (lbs.)
					D	G	H	I	L	M	O	P	R	
9/32	4,300	657718	557718	4X455322	3.53	5.23	0.38	0.75	0.36	0.83	1.00	1.11	3.44	1.20
3/8	8,800	657719	557719	4X455325	4.38	6.53	0.47	0.97	0.51	1.06	1.16	1.36	4.32	2.21
1/2	15,000	657720	557720	4X455328	5.48	8.03	0.58	1.18	0.63	1.38	1.50	1.61	5.35	4.22
5/8	22,600	657721	557721	4X455329	6.20	8.43	0.71	1.44	0.75	1.69	1.74	1.92	6.12	6.64
3/4	35,300	657722	553722	4X455330	7.09	10.80	0.88	1.81	0.94	2.09	2.00	2.08	7.25	11.22

CM Eye Sling Hook

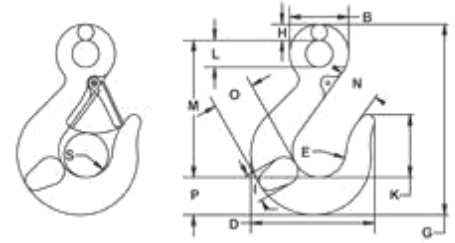
Dual Rated For Use With HA800 or HA1000

WLL: 2,700 to 72,300 lbs.

Sizes: 7/32 to 1-1/4 in.

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

- For use with both Grade 80 & 100 chain
- Available with and without latch
- Quench and tempered alloy steel
- 100% proof tested
- Fatigue rated
- Durable orange powder coated finish
- Chart Note: * Herc-Alloy 800® only
- Design factor 4:1



The above picture may not be an exact representation of the product

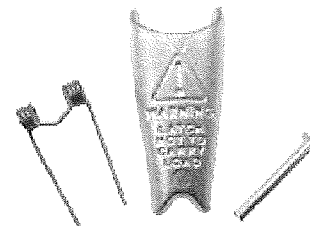
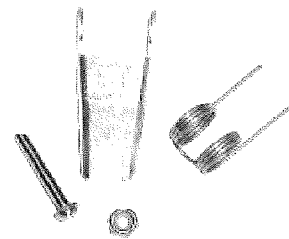
EYE CRADLE GRAB HOOK DUAL RATED FOR USE WITH HA800 OR HA1000

Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code			Dimensions (in)													Weight (lbs.)
			With (lbs 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
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
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
1/2	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
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
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
7/8*	34,200	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
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
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

Replacement Latch Kits

Replacement Latch Kits – Eye Sling Hooks Kit includes all hardware for	
Chain size (in.)	Current Style Latch Product Code
7/32	—
9/32	595523
3/8	595525
1/2	595528
5/8	595529
3/4	595530

Clevlok Sling Hooks. – Eye Sling Hooks Kit includes all hardware for	
Chain size (in.)	Current Style Latch Product Code
9/32	4X658718
3/8	4X658719
1/2	4X658720
5/8	4X658721



*** ⚠ WARNING**
DO NOT EXCEED WORKING LOAD LIMIT.
USE ONLY ALLOY CHAIN WITH COMPATIBLE COMPONENTS FOR OVERHEAD LIFTING.

CM Clevlok Cradle Grab Hook

Dual Rated For Use With HA800 or HA1000

WLL: 2,700 to 28,300 lbs.

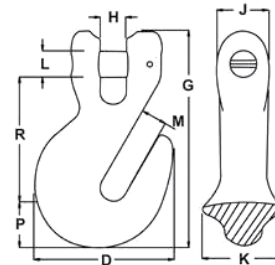
Sizes: 7/32 to 3/4 in.

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.

- For use with both Grade 80 & 100 chain
- Unique cradle grab design
- Quench and tempered alloy steel
- Fatigue rated
- Durable orange powder coated finish
Replacement pin available
- Chart Note: * 3/4" is Herc-Alloy 800® only. Hook shape/style differs from photo and dimension drawing shown. If used as a choker, working load limit should be reduced by 20%.
- Design factor 4:1



The above picture may not be an exact representation of the product



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

Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in)												Weight (lbs.)
				D	G	H	J	K	L	M	P	R	N	O	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	1.23	0.25	2.4
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	1.50	0.31	4.5
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	1.75	0.38	7.1
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	2.03	0.44	11.6
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	2.56	0.50	20.0
3/4*	28,300	659430	Bulk	5.23	9.08	0.88	2.05	2.88	0.91	0.88	1.87	5.50	10.24	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

CM Hammerlok Coupling Link

Dual Rated For Use With HA800 or HA1000

WLL: 2,700 to 35,300 lbs.

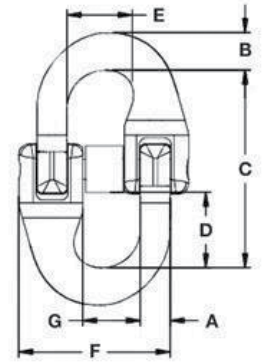
Sizes: 7/32 to 3/4 in.

Constructed of drop forged alloy steel and used primarily in the construction of overhead lifting slings. Specifically used for connecting the chain branches to the master link and to the hook attachments. Dual-rated Hammerloks® meet the strength levels of Grade 80 and 100.

- 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.
- Design factor 4:1



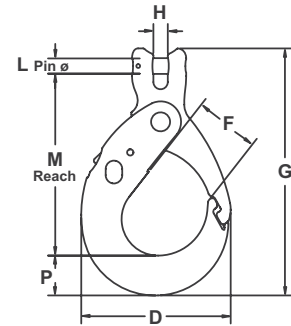
The above picture may not be an exact representation of the product



HAMMERLOK® DUAL RATED FOR USE WITH HA800 OR HA1000											
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

Clevlok Style Latchlok Hook

- High cycling, long life spring
- Factory replaceable pins
- "I" beam construction for greater strength
- 100% proof tested
- Fatigue rated to grade 100 specifications
- Durable gray powder coated finish



Clevlok Style Latchlok Hook													
Size (in.)	Working Load Limit (lb.)	Product Code	Replace Latch Kit Part#	Dimensions (in.)									Weight (lb.)
				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	5.74	0.36	2.40
3/8	8,800	M616010	656010	0.47	6.08	1.07	4.76	2.27	1.16	1.14	6.92	0.51	4.20
1/2	15,000	M616015	656015	0.59	7.88	1.58	6.26	2.91	1.50	1.46	8.96	0.63	9.00
5/8	22,600	M616020	656020	0.71	8.96	1.97	7.37	3.20	1.74	1.81	10.22	0.75	14.00

CM Eye Style Latchlok Hook

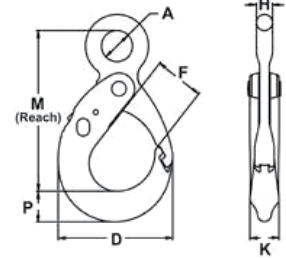
Herc-Alloy 1000

WLL: 4,300 to 22,600 lbs.

Sizes: 9/32 to 5/8 in

CM Herc-Alloy® Eye Hooks are an excellent choice when 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.

- 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
- Design factor 4:1

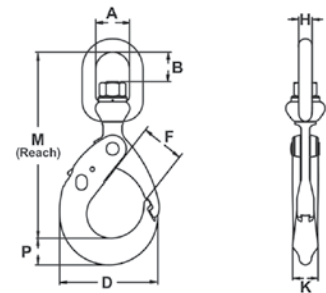


The above picture may not be an exact representation of the product

EYE STYLE LATCHLOK HOOK HERC-ALLOY® 1000											
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	M656005	1.09	5.37	0.88	3.77	1.64	0.47	0.91	2.50
3/8	8,800	M626010	M656010	1.36	6.65	1.07	4.74	2.27	0.59	1.15	4.74
1/2	15,000	M626015	M656015	1.57	8.79	1.58	6.26	2.91	0.80	1.47	10.00
5/8	22,600	M626020	M656020	2.00	10.37	1.97	7.37	3.22	1.03	1.85	16.00

Bearing Swivel Style Latchlok Hooks

- The eye easily positions to attach to the load
- Factory replaceable pins
- 100% proof tested
- Fatigue rated to grade 100 specifications
- Certification of test available
- For welded 7/32" Chain Sling use 9/32" Swivel Lodelok Hook
- Durable gray powder coated finish

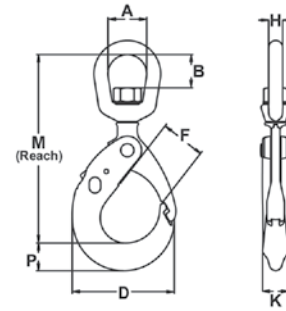


The above picture may not be an exact representation of the product

BEARING SWIVEL STYLE LATCHLOK® HOOKS HERC-ALLOY® 1000											
Size (in.)	Working Load Limit (lbs.)	Product Code	Replace Latch Kit Part #	Dimensions (in.)							Weight (lbs)
				H	M	P	D	F	A	B	
9/32	4,300	M696005	656005	0.62	7.43	0.88	3.77	1.64	1.50	1.31	3.5
3/8	8,800	M696010	656010	0.77	9.11	1.07	4.76	2.27	1.78	1.62	4.8
1/2	15,000	M696015	656015	0.93	11.49	1.58	6.26	2.91	2.25	1.82	10.7
5/8	22,600	M696020	656020	1.00	13.73	1.97	7.37	3.20	2.50	2.16	17.4

Bushing Swivel Style Latchlok Hooks

- The eye easily positions to attach to the load
- Factory replaceable pins
- 100% proof tested
- Fatigue rated to grade 100 specifications
- Certification of test available
- For welded 7/32" Chain Sling use 9/32" Swivel Lodelok Hook
- Durable gray powder coated finish



The above picture may not be an exact representation of the product

BUSHING SWIVEL STYLE LATCHLOK® HOOKS HERC-ALLOY® 1000											
Size (in.)	Working Load Limit (lbs.)	Product Code	Replace Latch Kit Part #	Dimensions (in.)							Weight (lbs)
				H	M	P	D	F	A	B	
9/32	4,300	M676005	656005	0.62	7.17	0.88	3.77	1.64	1.50	1.33	3.5
3/8	8,800	M676010	656010	0.77	8.73	1.07	4.76	2.27	1.75	1.63	4.8
1/2	15,000	M676015	656015	0.93	11.18	1.58	6.26	2.91	2.00	1.76	10.6
5/8	22,600	M676020	656020	1.00	13.41	1.97	7.37	3.20	2.75	2.38	17.0

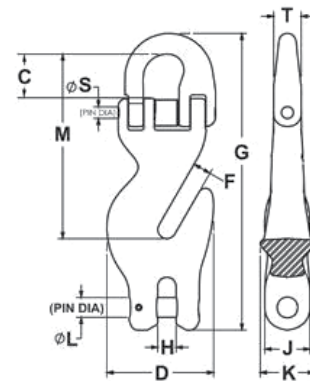
CM Chain Shortener

Herc-Alloy 1000

WLL: 4,300 to 22,600 lbs.

Sizes: 9/32 to 5/8 in.

- 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
- Chart Note: If used as a choker, working load limit should be reduced by 20%.
- Design factor 4:1



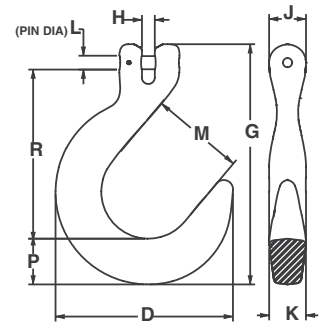
The above picture may not be an exact representation of the product

CHAIN SHORTENER HERC-ALLOY® 1000															
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

Clevlok Foundry Hook

Herc-Alloy 1000

- Clevlok head designed for easy assembly
- "I" beam body design increases grip when moving from load
- Quench & tempered alloy steel
- Individually proof tested



The above picture may not be an exact representation of the product

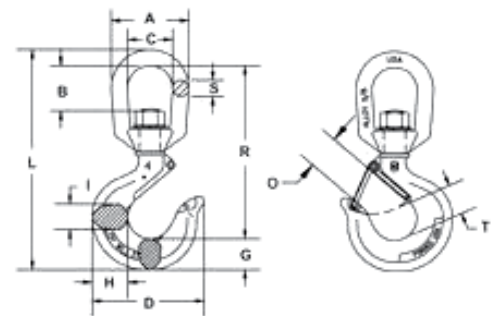
CLEVLOK® FOUNDRY HOOK HERC-ALLOY® 1000												
Size (in.)	Working Load Limit (lb.)	Product Code	Dimensions (in.)									Weight
			D	G	H	J	K	L	M	P	R	
Imperial												
9/32	4,300	475798	4.82	6.52	0.35	1.00	1.00	0.357	2.55	1.24	4.59	2.43
3/8	8,800	475799	5.73	7.87	0.47	1.16	1.27	0.507	3.05	1.43	5.59	4.14
1/2	15,000	475800	6.83	9.40	0.59	1.50	1.50	0.625	3.55	1.75	6.58	7.10
5/8	22,600	475801	7.94	10.98	0.71	1.74	1.81	0.750	4.07	2.03	7.69	12.03

CM Swivel Rigging Hook

WLL: 1 to 22 Tons

Sizes: 9/32 to 5/8 in.

- Design factor 5:1
- Pre-drilled for latches
- Hooks furnished with or without latches
- Powder coated orange
- Hooks are heat treated, quenched and tempered
- Chart Note: * Working Load Limits in Metric Tons



The above picture may not be an exact representation of the product

SWIVEL RIGGING HOOK																			
Standard Package	Alloy			Zinc Plated Latch Kit (optional) Product Code	Dimensions (in)													Latch Kit	Weight (lbs)
	WLL* (tons)	Product Code			A	B	C	D	G	H	I	L	R	S	T	O			
		Without Latch	With Latch																
10	1	M3402A	M3502A	4X1302	2.00	1.11	1.31	3.06	0.87	1.05	0.63	5.83	4.63	0.38	0.87	0.93	4X1302	1.05	
10	1-1/2	M3403A	M3503A	4X1303	2.50	1.38	1.50	3.33	0.94	1.11	0.71	6.83	5.44	0.50	0.97	0.97	4X1303	1.56	
10	2	M3404A	M3504A	4X1304	3.00	1.65	1.75	3.67	1.06	1.21	0.88	7.76	6.25	0.63	1.03	1.06	4X1304	2.50	
10	3	M3405A	M3505A	4X1305	3.00	1.65	1.75	4.20	1.27	1.43	0.94	8.40	6.49	0.63	1.16	1.16	4X1305	3.20	
10	5	M3407A	M3507A	4X1307	3.50	1.77	2.00	5.11	1.44	1.63	1.31	9.76	7.53	0.75	1.53	1.41	4X1307	5.36	
Bulk	7	M3409A	M3509A	4X1309	4.75	2.39	2.75	6.24	1.82	2.01	1.68	12.42	9.67	1.00	1.94	1.69	4X1309	10.56	
Bulk	11	M3411A	M3511A	4X1311	5.50	2.55	3.25	7.69	2.25	2.63	1.88	14.89	12.06	1.13	2.46	2.22	4X1311	19.00	
Bulk	15	M3415A	M3515A	4X1315	6.00	2.47	3.50	8.37	2.59	2.94	2.19	15.79	11.95	1.25	2.62	2.23	4X1315	26.75	
Bulk	22	M3422A	M3522A	4X1322	7.75	3.82	4.75	10.19	3.00	3.50	2.69	21.18	16.68	1.50	2.74	3.05	4X1322	51.80	



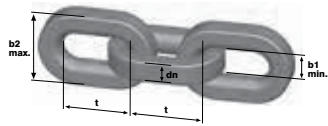


GRADE 120 SECTION

GRADE 120

NI | Lifting Chain Pewag Winner Pro 300 Series

Highest quality grade 120 chain, rated for 570° F. Temperature. Powder coated blue (PC/B)
Stamped pewag12, & Batch Code



Code	Material thickness dn <small>[inch]</small>	Standard delivery length <small>[feet]</small>	Pitch t <small>[inch]</small>	Inside b1 min. <small>[inch]</small>	Outside b2 max. <small>[inch]</small>	WLL <small>[lb]</small>	Break. force <small>[lb]</small>	Weight <small>[lb/ft]</small>
NI720	9/32"	800	0.87	0.39	1.02	5,200	20,800	0.874
NI820	5/16"	500	0.98	0.43	1.14	6,600	26,550	1.040
NI1020	3/8"	400	1.30	0.55	1.46	10,600	42,400	1.747
NI1320	1/2"	200	1.61	0.75	1.97	17,900	71,600	3.091
NI1620	5/8"	100	2.00	0.75	1.97	27,500	110,000	4.820

NI | Lifting Chain Pewag Winner Pro 200 Series

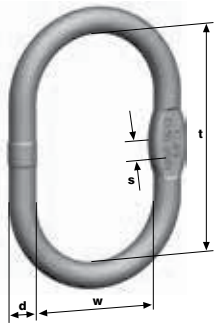
High quality grade 120 chain, rated for 400° F. Temperature. Gray painted
Stamped pewag12, 200, & Batch Code

NEW



Code	Material thickness dn <small>[inch]</small>	Standard delivery length <small>[feet]</small>	Pitch t <small>[inch]</small>	Inside b1 min. <small>[inch]</small>	Outside b2 max. <small>[inch]</small>	WLL <small>[lb]</small>	Break. force <small>[lb]</small>	Weight <small>[lb/ft]</small>
NI720	9/32"	800	0.87	0.39	1.02	5,200	20,800	0.874
NI820	5/16"	500	0.98	0.43	1.14	6,600	26,550	1.040
NI1020	3/8"	400	1.30	0.55	1.46	10,600	42,400	1.747
NI1320	1/2"	200	1.61	0.75	1.97	17,900	71,600	3.091
NI1620	5/8"	100	2.00	0.75	1.97	27,500	110,000	4.820

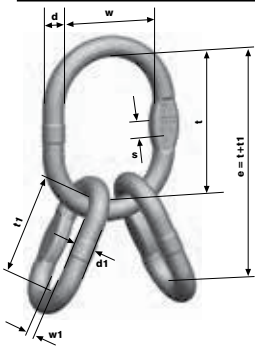
M | Enlarged Master Link



Code	For single leg sling	For 2 Leg Sling	WLL [lb]	d [inch]	t [inch]	w [inch]	s [inch]	Weight [lb/pc.]
M1320	9/32"	-	6,100	0.55	4.72	2.76	0.39	0.97
M1620	5/16"	-	8,400	0.67	5.51	3.15	0.51	1.48
M1820	3/8"	-	12,800	0.75	6.30	3.74	0.55	2.67
M2620	1/2"	-	30,000	1.06	7.48	4.33	0.79	5.84
M3020	5/8"	-	47,000	1.18	7.48	4.33	-	7.34
M3620	-	5/8"	71,500	1.50	10.8	5.91	1.14	16.5

VM | Enlarged Master Link Assembly

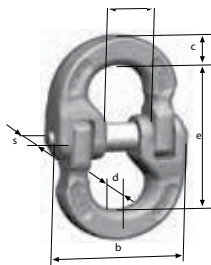
Enlarged master link assembly for 2, 3 and 4 leg chain slings. Match to chain size according to table.



Code	For 2 leg sling	For 3 or 4 leg sling	WLL [lb]	e [inch]	d [inch]	t [inch]	w [inch]	d1 [inch]	t1 [inch]	w1 [inch]	Weight [lb/pc.]
VM720	9/32"	-	12,800	8.43	0.75	6.30	3.74	0.51	2.13	0.98	3.42
VM10720	3/8"	9/32"	22,000	10.24	1.06	7.48	4.33	0.67	2.76	1.34	7.43
VM131020	1/2"	3/8"	33,200	12.40	1.30	9.06	5.12	0.79	3.35	1.57	13.23
VM1320	-	1/2"	61,100	16.34	1.50	10.83	5.91	1.06	5.51	2.56	24.52
VM1620	-	5/8"	71,500	16.7	1.50	10.80	5.91	1.30	5.91	2.76	30.40

C | Connex Connecting Link

Connex connecting link for easy assembly of chains, master links, master link assemblies and components.



Code	Size [inch]	WLL [lb]	e [inch]	c [inch]	s [inch]	d [inch]	b [inch]	g [inch]	Weight [lb/pc.]
C720	9/32"	5,200	2.48	0.43	0.51	0.35	1.85	0.67	0.26
C820	5/16"	6,600	2.44	0.55	0.59	0.39	2.28	0.83	0.64
C1020	3/8"	10,600	2.76	0.63	0.79	0.51	2.60	0.87	0.73
C1320	1/2"	17,900	3.74	0.83	0.94	0.67	3.31	1.02	1.54
C1620	5/8"	27,500	5.04	1.06	0.98	1.61	0.82	1.89	4.98

KHS | Eye Sling Hook



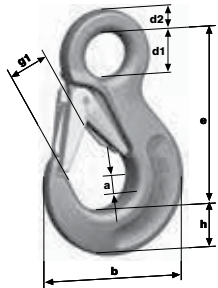
For general lifting applications. All hooks with forged and galvanised safety latch.



Code	Size [inch]	WLL [lb]	e [inch]	h [inch]	a [inch]	d [inch]	g1 [inch]	b [inch]	Weight [lb/pc.]
KHS720	9/32"	5,200	4.13	1.02	0.75	0.37	1.42	3.98	1.85
KHS820	5/16"	6,600	4.13	1.02	0.75	0.42	1.42	3.98	1.85
KHS1020	3/8"	10,600	4.76	1.30	1.02	0.55	1.61	4.65	3.32
KHS1320	1/2"	17,900	5.83	1.69	1.18	0.69	1.93	5.79	6.27
KHS1620	5/8"	27,500	6.81	2.01	1.38	0.83	2.32	6.93	11.2

HS | Eye Sling Hook

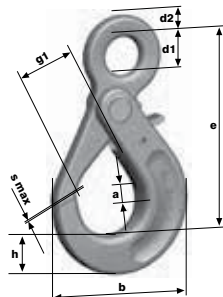
For general lifting applications. All hooks with forged and galvanised safety latch.



Code	Size [inch]	WLL [lb]	e [inch]	h [inch]	a [inch]	d1 [inch]	d2 [inch]	g1 [inch]	b [inch]	Weight [lb/pc.]
HS720/820	9/32" - 5/16"	6,600	4.17	1.06	0.75	0.98	0.43	1.02	3.46	1.10
HS1020	3/8"	10,600	5.16	1.30	1.02	1.34	0.63	1.22	4.25	2.43
HS1320	1/2"	17,900	6.46	1.69	1.30	1.69	0.75	1.54	5.20	4.85

LH | Safety Hook

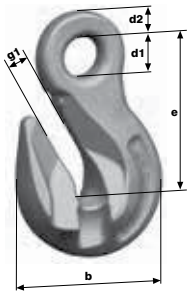
Safety hook with larger opening than the eye sling hook. Closes and locks automatically under load. Ensures high level of safety.



Code	Size [inch]	WLL [lb]	e [inch]	h [inch]	a [inch]	b [inch]	d1 [inch]	d2 [inch]	g1 [inch]	s max. [inch]	Weight [lb/pc.]
LH720/820	9/32" - 5/16"	6,600	4.96	0.98	0.94	3.50	0.98	0.55	1.34	0.04	1.98
LH1020	3/8"	10,600	6.22	1.22	1.10	4.41	1.22	0.67	1.77	0.08	3.53
LH1320	1/2"	17,900	8.07	1.61	1.34	5.71	1.57	0.87	2.13	0.08	7.28

P | Grab Hook

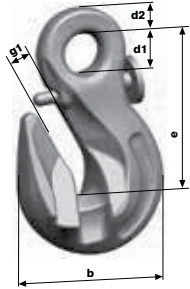
Special design of the chain contact area for optimal interaction between chain and hook.



Code	Size [Inch]	WLL [lb]	e [Inch]	b [Inch]	d1 [Inch]	d2 [Inch]	g1 [Inch]	Weight [lb/pc.]
P720/820	9/32" - 5/16"	6,600	2.68	2.48	0.71	0.43	0.39	1.06
P1020	3/8"	10,600	3.46	3.19	0.87	0.55	0.51	2.27
P1320	1/2"	17,900	4.33	4.06	1.02	0.71	0.67	4.63

PS | Grab Hook With Safety Pin

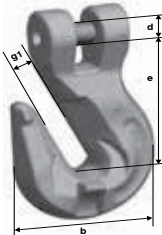
Hook for shortening which prevents the accidental release of the chain. Special design of the chain contact area for optimal interaction between chain and hook.



Code	Size [Inch]	WLL [lb]	e [Inch]	b [Inch]	d1 [Inch]	d2 [Inch]	g1 [Inch]	Weight [lb/pc.]
PS720/820	9/32" - 5/16"	6,600	2.68	2.48	0.71	0.43	0.39	1.06
PS1020	3/8"	10,600	3.46	3.19	0.87	0.55	0.51	2.27
PS1320	1/2"	17,900	4.33	4.06	1.02	0.71	0.67	4.63

KP | Clevis Grab Hook

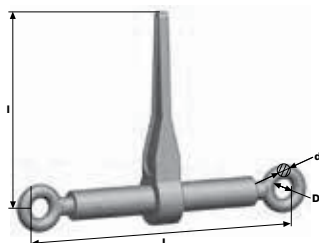
NEW



Code	Size [Inch]	WLL [lb]	e [Inch]	b [Inch]	d [Inch]	g1 [Inch]	Weight [lb/pc.]
KP1620	5/8"	27,500	4.88	4.84	0.927	0.748	5.52

RLB | Loadbinder

For pewag winner pro connex system. Load binder with optimized lever length.



Code	Size [Inch]	Length closed L [Inch]	Length open L [Inch]	Tension range [Inch]	length of lever [Inch]	D [Inch]	d [Inch]	Weight [lb/pc.]
7G120RLB	9/32"	13.98	19.69	5.71	9.33	0.79	0.63	7.06
10G120RLB	3/8"	14.37	20.08	5.71	13.98	1.02	0.71	8.38
13G120RLB	1/2"	22.68	34.09	11.42	14.13	1.22	0.87	21.83

Image as shown is for dimensional purposes only. Load binders sold assembled (connector and grab hook included).



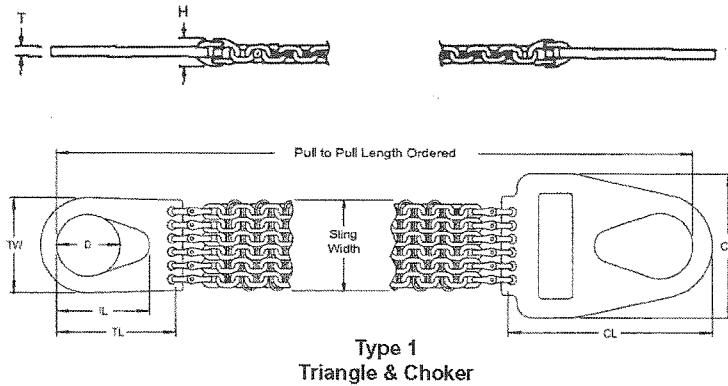


ENDURANCE CHAIN MESH SLINGS SECTION

MESH SLINGS

Endurance Chain Mesh Slings

Specialty Slings for rugged applications – Widely used in metalworking shops, and stevedoring when abrasive conditions or hot environments damage and destroy synthetic slings.

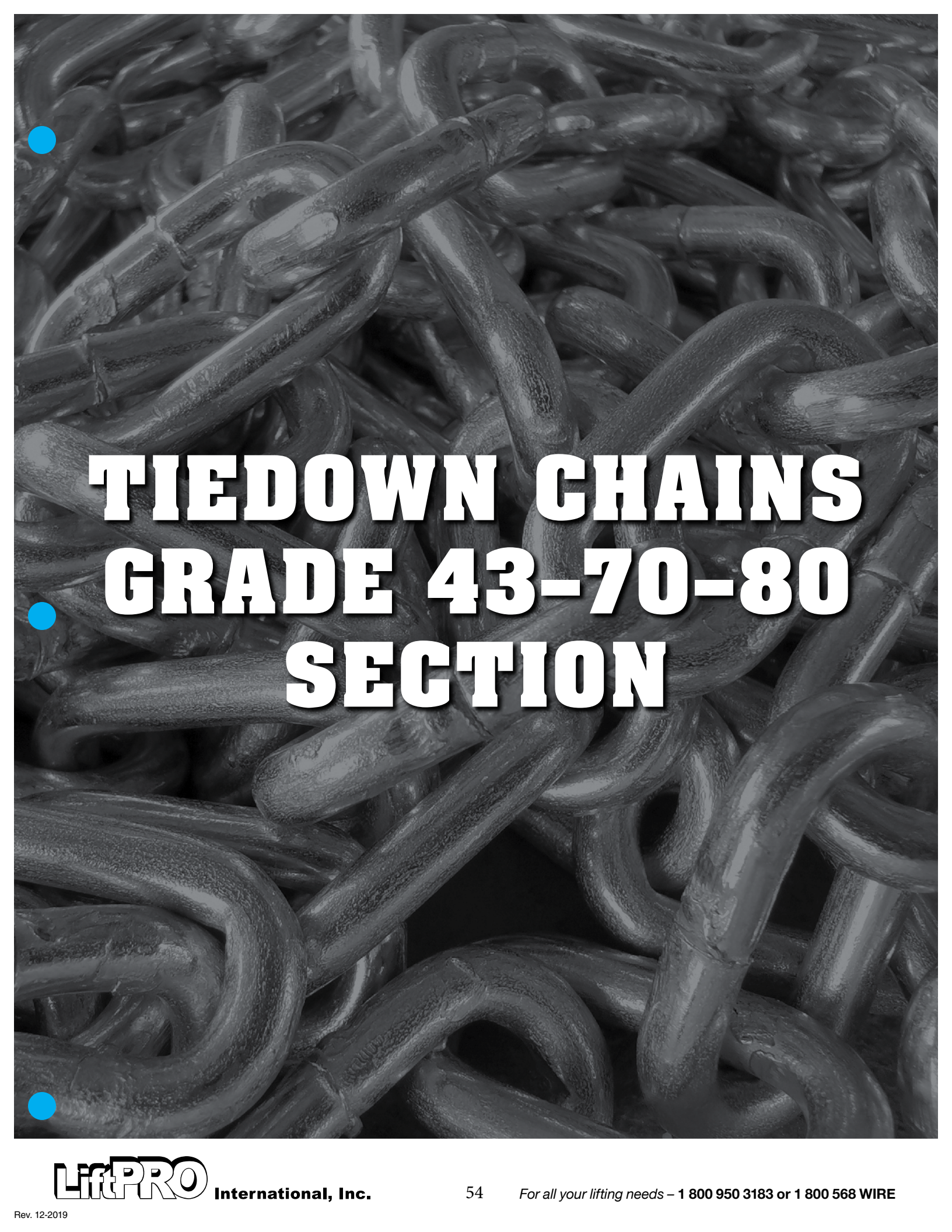


Chain Size (in.)	Parts of Chain	Sling Width	Terminal Dimensions (ins.)								5 Ft. Type 2 Weight (lbs.)	Weight/Ft. (lbs.)
			D	IL	TL	TW	CL	CW	T	H		
7/32	3	1-1/2	2-3/4	4-1/8	6-3/4	4-3/4	9	7-1/8	3/8	1-1/4	10	1.3
	4	2	3	4-1/2	7-1/8	5	9-3/8	7-1/4	3/8	1-1/4	12	1.8
	5	2-1/2	3-1/2	5-1/4	8	5-1/2	10-1/8	7-3/4	3/8	1-1/4	14	2.2
	6	3	3-3/4	5-5/8	8-1/4	5-3/4	10-5/8	8-1/4	3/8	1-1/4	17	2.7
9/32	3	2-1/8	2-3/4	4-1/8	6-3/4	4-3/4	9	7-1/8	1/2	1-3/4	14	2.2
	4	2-3/4	3	4-1/2	7-1/8	5	9-3/8	7-1/4	1/2	1-3/4	18	3.0
	5	3-3/8	3-1/2	5-1/4	8	5-1/2	10-1/8	7-3/4	1/2	1-3/4	22	3.7
	6	4	3-3/4	5-5/8	8-1/4	5-3/4	10-5/8	8-1/4	1/2	1-3/4	26	4.5
3/8	3	3-1/4	3-1/2	5-1/4	6-7/8	6			3/4	2-1/4	30	4.4
	4	4-3/8	4-3/8	6-1/2	8-1/8	6-3/8			3/4	2-1/4	41	5.8
	5	5-3/8	4-3/8	6-1/2	8-3/8	7-3/8			3/4	2-1/4	55	7.3
	6	6-1/2	5-1/4	7-7/8	9-3/4	8-1/4			3/4	2-1/4	59	8.8
1/2	2	3	3-1/2	5-1/4	6-7/8	5			1	3-1/8	33	5.2
	3	4-1/2	4-3/8	6-1/2	8-3/8	6-3/8			1	3-1/8	50	7.7
	4	6	5-1/4	7-7/8	9-3/4	7-3/4			1	3-1/8	62	10

NOTE: Length tolerance + or - 2 chain links so plane is maintained.

*** ⚠ WARNING**

DO NOT EXCEED WORKING LOAD LIMIT.
USE ONLY ALLOY CHAIN WITH COMPATIBLE COMPONENTS FOR OVERHEAD LIFTING.

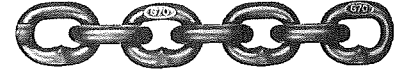


TIEDOWN CHAINS GRADE 43-70-80 SECTION

TIEDOWN CHAINS

Grade 70 Chain and Hooks

Grade 70 Chain



Grade 70 Chain									Weight (lbs.) per 100
Chain size (ins.)	WLL (lbs.)	Half Drum		Std. Drum	Lge. Drum	Feet Per Container			
		Product Code	UPC	Product Code	Product Code	Half Drum	Std. Drum	Lge. Drum	
1/4	3,500	678531	32636	678541	678541	400	800	1,400	74
5/16	4,500	678532	32798	678542	678542	275	550	900	100
3/8	7,100	678533	32834	678543	678543	200	400	650	156
7/16	6,900	678534	32905	678544	678544	150	300	450	204
1/2	12,000	678535	33029	678545	678545	100	200	350	259

CM D-Rings and Keeper Links

WLL: 1,200 to 14,000 lbs

D-Rings with weldable clips are designed for quick, easy attachment when securing loads.

- Clips are designed for welding
- Self colored finish
- Links and rings are forged from superior steel
- Proper welding procedures should be followed for d-ring clips
- Design factor 5:1



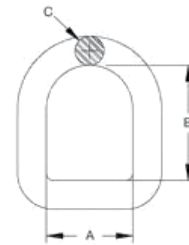
D-RING



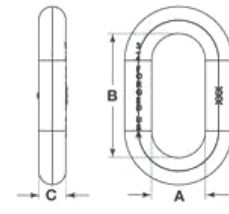
KEEPER LINK

The above picture may not be an exact representation of the product

Size (in.)	Description	Working Load limit (lbs)	Standard Package	Product Code	Dimensions (in)			Weight (lbs.)
					A	B	C	
D-RINGS								
1 x 3 x 4	D-Ring	12,000	10	93200	3.00	4.00	1.00	3.40
1 x 3 x 3	D-Ring	12,000	10	92501	3.00	4.00	1.00	2.87
1	D-Ring Clip	-	10	93210	-	-	-	0.71
1-1/16 x 2-3/4 x 2-1/4	D-Ring	7,000	10	92505	2.75	2.25	0.69	1.21
1/2 x 1-1/2	D-Ring Clip	-	10	92504	-	-	-	0.77
3/8 x 1-3/4 x 1-3/4	D-Ring	1,200	10	95610	1.75	1.75	0.38	0.24
KEEPER LINKS								
3/4 x 1.5 x 3.5	Keeper Link	14,000	10	37111	1.52	3.50	0.76	1.42



D-RING



KEEPER LINK

TIEDOWN CHAINS

CM Clevis Grab Hook

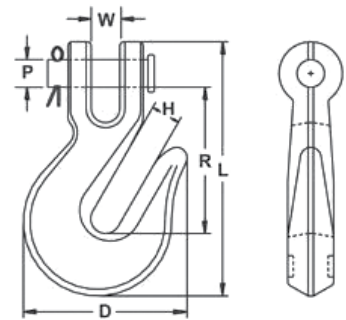
Grade 70

WLL: 4,700 to 6,600 lbs.

Sizes: 5/16 to 3/8 in.

Clevis Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. These feature a U-shaped attachment point with a pin to secure chain or other rigging attachments.

- Designed specifically for transport
- Grade 70 chain
- 4:1 design factor
- Yellow chromate finish
- Not recommended for overhead lifting



The above picture may not be an exact representation of the product

CLEVIS GRAB HOOK GRADE 70										
Size (in.)	Working Load Limit (lbs)	Standard Package	Product Code (Yellow Chromate)	Dimensions (in)						Weight (lbs.)
				W	D	H	L	R	P	
5/16	4,700	10	62273	0.42	2.40	0.44	3.52	2.18	0.38	0.7
3/8	6,600	10	62373	0.52	2.94	0.54	4.17	2.53	0.44	1.10

CM Clevis Grab Hook

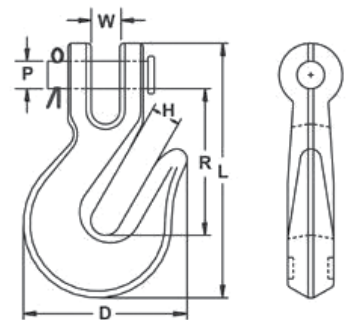
Grade T80

WLL: 3,500 to 18,100 lbs.

Sizes: 1/4 to 5/8 in.

Clevis Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. Clevis hooks 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.

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



The above picture may not be an exact representation of the product

CLEVIS GRAB HOOK GRADE 80										
Size (in.)	Working Load Limit (lbs)	Standard Package	Product Code	Dimensions (in)						Weight (lbs.)
				W	D	H	L	R	P	
1/4	3,500	30	M804A	0.31	2.06	0.38	3.32	1.88	0.33	0.56
5/16	4,500	30	M805A	0.38	2.57	0.44	4.08	2.34	0.39	0.88
3/8	7,100	30	M806A	0.46	2.66	0.50	4.50	2.64	0.50	1.10
7/16	6,900	20	M807A*	0.51	2.94	0.57	5.02	3.00	0.50	1.50
1/2	12,000	10	M808A	0.59	3.38	0.68	5.64	3.31	0.59	2.36
5/8	18,100	10	M810A	0.75	4.31	0.81	6.86	3.95	0.75	4.00

* Hook is marked Grade 63

TIEDOWN CHAINS

CM Clevis Slip Hook

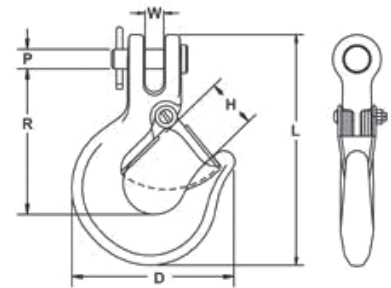
Grade 63/70

WLL: 2,750 to 14,200 lbs.

Sizes: 1/4 to 5/8 in.

Clevis Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. These feature a U-shaped attachment point with a pin to secure chain or other rigging attachments.

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



The above picture may not be an exact representation of the product

CLEVIS SLIP HOOK GRADE 70															
Size (in.)	Working Load Limit (lbs)		Finish	Standard package	With Latch		Without Latch		Latch Kit	Dimensions (in)					
	Grade 63	Grade 70			Product Code	Weight (lbs)	Product Code	Weight (lbs)		Product Code	W	D	H	L	R
1/4	2,750	-	Orange Paint	20	-	-	M904A	.50	-	0.32	2.63	0.94	3.67	2.31	0.33
5/16	3,600	4,700	Orange Paint	20	6905AWL	.96	M6905A	.91	4X1304	0.36	3.27	1.06	4.62	2.89	0.38
5/16	3,600	4,700	Yellow Chromate	20	6905AZL	.96	M6905AZ	.91	4X1304	0.36	3.27	1.06	4.62	2.89	0.38
3/8	5,500	6,600	Orange Paint	20	6906AWL	1.66	M6906A	1.61	4X1305	0.45	3.87	1.00	5.42	3.39	0.49
3/8	5,500	6,600	Yellow Chromate	20	6906AZL	1.66	M6906AZ	1.61	4X1305	0.45	3.87	1.00	5.42	3.39	0.49
5/16	3,600	-	Orange Paint	20	-	-	M905A	.75	-	0.38	3.18	1.06	4.27	2.54	0.38
3/8	5,500	-	Orange Paint	20	-	-	M906A	1.25	-	0.45	3.66	1.25	4.88	3.02	0.49
7/16	6,900	-	Orange Paint	10	-	-	M907A	2.00	-	0.50	4.31	1.56	5.69	3.48	0.50
1/2	9,400	-	Orange Paint	10	-	-	M908A	2.80	-	0.59	4.88	1.75	6.41	4.00	0.59
5/8	14,200	-	Orange Paint	5	-	-	M910A	5.00	-	0.81	5.69	2.00	7.56	4.75	0.75

CM Clevis Assembly With Import Hooks

Grade 70

WLL: 4,700 to 11,300 lbs.

Sizes: 5/16 to 1/2 in.

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.

- 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
- Gold Chromate per ASTM B633 Fe/ZN 13 Type II
- Chain is made in USA
- Design factor 4:1



The above picture may not be an exact representation of the product

CLEVIS ASSEMBLY WITH IMPORT HOOKS GRADE 70				
Chain Size (in)	Working Load Limit (lbs)	Product Code	Length (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

TIEDOWN CHAINS

CM Clevis Assembly

Grade 70

WLL: 3,150 to 11,300 lbs.

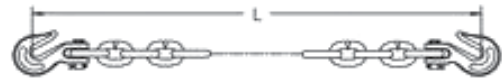
Sizes: 1/4 to 1/2 in.

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.

- 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
- Gold Chromate per ASTM B633 Fe/ZN 13 Type II



The above picture may not be an exact representation of the product



CLEVIS ASSEMBLY GRADE 70					
Chain Size (in)	Working Load Limit (lbs)	Product Code	Product Code in Bag	Length (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	638313	-	24	25.15
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

CM Eye Grab Hook

Grade 70

WLL: 4,700 to 6,600 lbs.

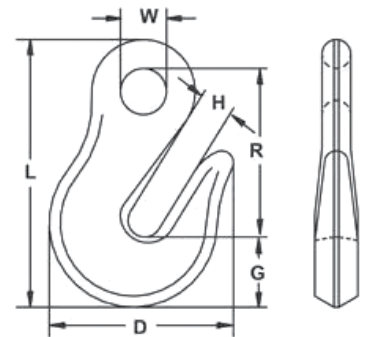
Sizes: 5/16 to 3/8 in.

Standard Eye Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. Eye hooks feature a simple circular attachment point for rigging chain or other attachments.

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



The above picture may not be an exact representation of the product



EYE GRAB HOOK GRADE 70										
Size (in)	Working Load Limit (lbs.)	Standard Package	Product Code (Self-Colored)	Dimensions (in)						Weight (lbs)
				W	D	H	L	R	P	
5/16	4,700	50	71297	0.70	2.39	0.49	3.69	2.42	1.15	0.75
3/8	6,600	25	71397	0.67	2.65	0.51	3.73	2.45	1.16	1.10

TIEDOWN CHAINS

CM Eye Grab Hook

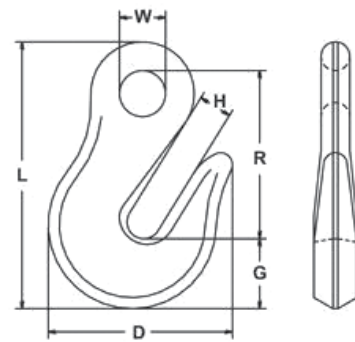
Grade T80

WLL: 3,600 to 18,100 lbs.

Sizes: 1/4 to 5/8 in.

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.

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



The above picture may not be an exact representation of the product

CLEVIS GRAB HOOK GRADE 80												
Size (in)	Working Load Limit (lbs.)	Standard Package	Product Code (Self-Colored)	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	

* Hook is marked Grade 63

CM Eye Slip Hook

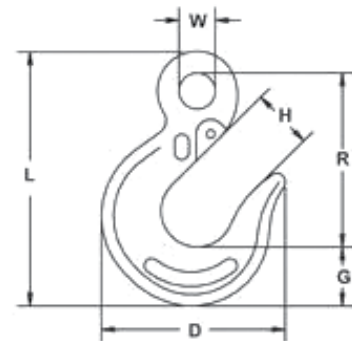
Grade 63/70

WLL: 2,750 to 14,200 lbs.

Sizes: 1/4 to 5/8 in.

Standard Eye Hooks are not designed for overhead lifting, but instead are most often used for load securement with tie-down chains. Eye hooks feature a simple circular attachment point for rigging chain or other attachments.

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



The above picture may not be an exact representation of the product

EYE SLIP HOOK GRADE 70													
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

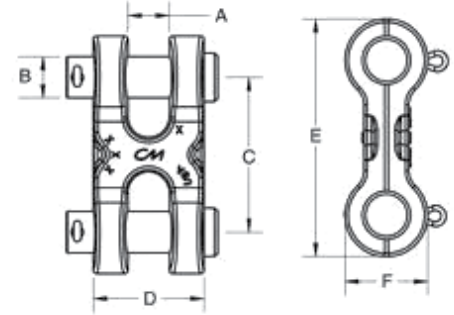
TIEDOWN CHAINS

CM Double Clevis (Mid-Link)

WLL: 4,700 to 13,000 lbs.
 Sizes: 1/4 and 5/16 to 5/8 in.

Designed for use with Grade 70 chain as a quick and easy temporary repair.

- Zinc-plated finish
- Size forged into link
- Quick easy installations
- Chart Note: 1/4" through 1/2" sizes are individually bagged.
- Design factor 4:1



The above picture may not be an exact representation of the product

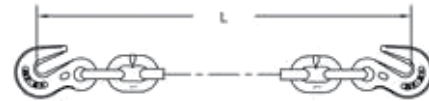
DOUBLE CLEVIS (MID-LINK)										
For Chain Size (in.)	Working Load Limit (lbs.)	Standard Package	Product Code	Dimensions (in)						Weight (lbs)
				W	D	H	L	R	P	
1/4 and 5/16	4,700	10	M605	0.43	0.38	1.70	1.12	2.61	0.91	0.35
3/8	6,600	10	M606	0.50	0.38	2.00	1.31	3.06	1.09	0.46
7/16 and 1/2	11,300	5	M608	0.66	0.59	2.59	1.74	3.90	1.31	1.10
5/8	13,000	5	M610	0.75	0.75	2.81	2.01	4.31	1.50	1.70

CM Welded Assembly

Grade 70

WLL: 4,700 to 6,600 lbs.
 Sizes: 5/16 to 3/8 in.

- 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
- Gold Chromate per ASTM B633 Fe/ZN 13 Type II
- Design factor 4:1



The above picture may not be an exact representation of the product



WELDED ASSEMBLY GRADE 70					
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

TIEDOWN CHAINS

CM Clevis Style Heavy-Duty Tie-Downs

Grade 80

WLL: 4,500 to 12,000 lbs.

Sizes: 5/16 to 1/2 in.

- Meets FMCSA, CVSA tie-down requirements
- Made from high quality alloy steel
- Made in USA
- Cannot be used for overhead lifting
- Lighter weight than most transport binder chains
- Does not degrade in ultra-violet light
- Permanent identification on chain and attachments
- Design factor 4:1



The above picture may not be an exact representation of the product

CLEVIS STYLE HEAVY-DUTY TIE-DOWNS GRADE 80						
Chain Size (in)	Chain Grade	Working Load Limit (lbs.)	Product Code	Length (L) (ft)	Chain finish	Weight (lbs)
5/16	80	4,500	607031CV20	20	Black	19.60
5/16	80	4,500	607031CV25	25	Black	24.10
3/8	80	7,100	607037CV20	20	Black	30.30
3/8	80	7,100	607037CV25	25	Black	37.50
1/2	80	12,000	607050CV20	20	Black	54.60
1/2	80	12,000	607050CV25	25	Black	67.30

CM Clevlok Style Heavy-Duty Tie-Downs

Grade 80 & 100

WLL: 7,100 to 12,000 lbs.

Sizes: 3/8 to 1/2 in • Meets FMCSA, CVSA tie-down requirements

- Meets FMCSA, CVSA tie-down requirements
- Made from high quality alloy steel
- Made in USA
- Cannot be used for overhead lifting
- Lighter weight than most transport binder chains
- Does not degrade in ultra-violet light
- Permanent identification on chain and attachments
- Design factor 4:1



The above picture may not be an exact representation of the product

CLEVLOK® STYLE HEAVY-DUTY TIE-DOWNS GRADE 80 & 100						
Chain Size (in)	Chain Grade	Working Load Limit (lbs.)	Product Code	Length (L) (ft)	Chain finish	Weight (lbs)
3/8	80	7,100	607037CL20	20	Black	31.00
3/8	80	7,100	607037CL25	25	Black	38.00
1/2	80	12,000	607050CL15	15	Black	42.00
1/2	80	12,000	607050CL20	20	Black	55.00
3/8	100	8,800	607337CL20	20	Black	31.00
3/8	100	8,800	607337CL25	25	Black	38.50

TIEDOWN CHAINS

CM High Test Chain

Grade 43

WLL: 2,600 to 20,200 lbs.

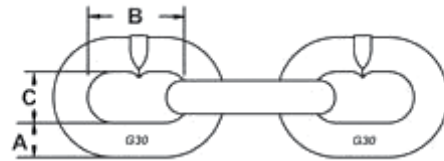
Sizes 1/4 to 3/4 in.

Grade 43 chain, commonly called High Test, is manufactured to meet ASTM and NACM specifications. Typical uses include container securement, logging, towing, and marine industry. Grade 43 chain is available in many finishes and package configurations. It should not be used for overhead lifting.

- Meets ASTM & NACM standards
- Available in a wide assortment of finishes including: self-colored and galvanized
- 50% stronger than Grade 30 chain
- Permanent identification on chain
- 100% proof tested
- Available in drums and multiple styles of assemblies
- Design factor 3:1



The above picture may not be an exact representation of the product



HIGH TEST CHAIN GRADE 43														
Chain Size (in)	Working Load Limit (in)	Nominal Chain Dimensions (in.)			Weight (lbs)	Approximate Number of Links (per ft.)	Self Colored Finish				Hot Dipped Galvanized Finish			
		Material Diameter A	Inside Length B	Inside Width C			Full Drum		Half Drum		Full Drum		Half Drum	
							Product Code	Length (ft)	Product Code	Length (ft)	Product Code	Length (ft)	Product Code	Length (ft)
Import														
1/4	2,600	0.28	1.22	0.51	0.65	9.87	678141	800	678131	400	678341	800	-	-
5/16	3,900	0.34	1.25	0.54	1.04	9.60	678142	550	678132	275	678342	550	-	-
3/8	5,400	0.39	1.35	0.58	1.40	8.89	678143	400	678133	200	678343	400	678333	200
North America														
1/2	9,200	0.515	1.73	0.81	2.416	6.93	678145	200	-	-	678345	200	-	-
5/8	13,000	0.63	1.92	0.86	3.63	6.26	678146	150	678136	75	678346	150	-	-
3/4	20,200	0.78	2.40	1.07	5.68	5.06	678147	100	678137	50	678347	100	-	-





CHAIN BINDERS

Load Binder Safe Operating Procedures

WARNING!!!

**Death / injury can occur from improper use
or maintenance of tie-down equipment.**

To avoid injury:

- Inspect before use - remove from service if cracked, work, or deformed.
- Do not overload - load binders develop approximate working load with hand effort.
- Do not use handle extender on load binder(s).
- Do not use binder components for overhead lifting.
- Load binding systems store energy which can release suddenly.
- Operate only by hand from a firm standing position.
- Operate handle cautiously.
- Stay clear of handle path; handle may release suddenly.
- Follow Operating Instructions.

Operating Instructions:

- Follow DOT Federal Motor Carrier Safety regulations 392.9, 393.100, and 393.102.
- Inspect before use. Replace worn and deformed binders. Lubricate pivot and swivel points for optimum performance.
- Do not operate with anyone on load.
- Always apply binder in a straight line hook to hook manner without bending and such that handle goes down when securing load.
- Tighten binders before moving and recheck frequently.
- Do not exceed Working Load Limit shown on binder.
- Do not use cheater bar or handle extension as such use can overload binder system and result in injury.
- Secure handle down with a positive retaining method.
- Release handle / load with extreme care. Make sure all personnel are clear. Lever binder handles can snap back over center. Use open palm under handle and push up.

CHAIN BINDERS

CM Forged Lever Load Binder

Grades 30, 43, 70, 80

WLL: 2,600 to 9,200 lbs.

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.

- All components are forged, not cast
- Forged binders are lighter and stronger than cast binders
- Under equal force a forged handle will yield and bend while a cast handle may break
- Design factor 4:1



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FORGED LEVER LOAD BINDER GRADES 30, 43, 70, 80								
Chain Grade & Size (in.)				Product Code	Working Load Limit (lbs)	Handle Take Up (in.)	Handle Length (in.)	Weight (lbs.)
G30	G43	G70	G80					
1/4	1/4	-	-	48304	2,600	3.75	11.25	3.0
3/8	3/8	5/16	-	48305	5,400	4.50	16.12	8.1
1/2	1/2	3/8	-	48306	9,200	4.75	16.62	10.6
3/8	3/8	3/8	3/8	48769	7,100	4.50	16.62	8.1

CM Specialty Forged Lever Load Binder

Grades 30, 43, 70

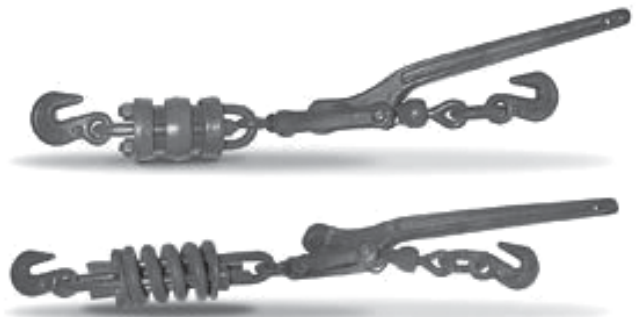
WLL: 5,400 lbs.

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.

- Durable powder coated finish
- Dixi-Loc Binders provide extra security by allowing the binder to be locked in closed position using a pad lock, linchpin or bolt.
- Compression Binders are designed for securing bar and rod steel, lumber, poles and machinery with rubber tires.
- Design factor 4:1



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- **DIXI-LOC (48385)** binders provide extra security by allow the binder to be locked in closed position using a pad lock, linch pin or bolt.
- **COMPRESSION BINDERS (48758 & 48395)** are designed for securing bar and rod steel, lumber, poles and machinery with rubber tires.
- **EZ GRAB (48325)** is a military style binder designed to use the handle leverage to remove slack from the chain before hook-up, achieving correct tension on the first try.

SPECIALTY FORGED LEVER LOAD BINDER GRADES 30, 43, 70								
Chain Grade & Size (in.)			Product Code	Working Load Limit (lbs)	Take Up (in.)	Handle Length (in.)	Weight (lbs.)	
G30	G43	G70						
3/8	3/8	5/16	48385	5,400	4.50	16.62	8.50	
3/8	3/8	5/16	48395	5,400	4.50	16.62	14.60	
1/2	1/2	3/8	48758	9,200	4.50	16.62	13.00	
3/8	3/8	5/16	48325	5,400	4.50	18.38	8.75	

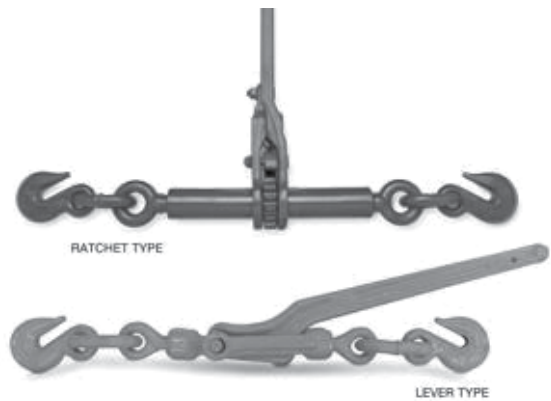
CHAIN BINDERS

CMG Ratchet/Lever Binders

WLL: 2,600 to 8,800 lbs.

- Forged components
- Durable powder coated finish
- Designed to meet CM requirements
- Design factor of 3:1
- Imported

CMG RATCHET / LEVER BINDERS						
Maximum Chain Size (Grade 70) (in.)	Description	Product Code	Working Load Limit (lbs.)	Handle Take Up (in.)	Handle Length (in.)	Weight (lbs)
5/16 & 3/8	5/16" & 3/8" Ratchet Binder	48362CMG	8,800	8	14	13
1/4	5/16" Lever Binder	48304CMG	2,600	3	11.5	3.4
5/16	3/8" Lever Binder	48305CMG	6,600	4	16	8.8
5/16	3/8" Indirect Binder	48405CMG	5,400	8	15	9.0



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E-Z Pro Cam Release Lever Binder

Grades 30, 43, 70

WLL: 5,400 to 9,200 lbs.

Effortlessly release this load binder without using any tools or prying - all it takes is one finger. Due to its unique design, the binder's handle releases the load at the same point every time - when the handle is perpendicular to the body of the binder. Lowenergy release prevents the binder from snapping back over center.

- Binder releases effortlessly without the use of any tools or prying
- Free turning, 360 degree continuous swivel action in both tongue and clevis for enhanced straight line pull.
- Highly visible, durable yellow powder coated finish
- Design factor 4:1



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CMG RATCHET / LEVER BINDERS								
Chain Grade & Size (in.)			Product Code	Standard Package	Working Load Limit (lbs)	Take Up (in.)	Handle Length (in)	Weight (lbs)
G30	G43	G70						
3/8	3/8	5/16	48405	4	5,400	4.75	16.62	9.0
1/2	1/2	3/8	48406	4	9,200	4.75	16.62	9.8

CM Heavy Duty Ratchet Binders

For Use With Grade 80 and Grade 100 Chain

WLL: 5,400 to 16,000 lbs.

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.

- Meets FMCSA, CVSA tie-down requirements
- Made from high quality alloy steel
- Made in USA
- Cannot be used for overhead lifting
- Lighter weight than most transport binder chains
- Does not degrade in ultra-violet light
- Permanent identification on chain and attachments
- Design factor 4:1



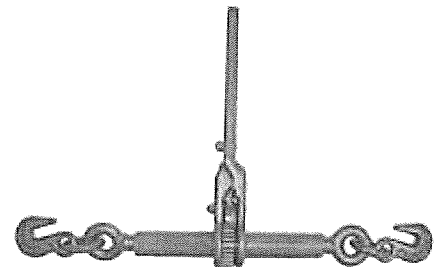
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HEAVY DUTY RATCHET BINDERS GRADE 80 & 100						
With Chain Size (in.)	Use With Chain Grade	Working Load Limit (lbs)	Product Code	End Fittings	Take Up (in)	Weight (lbs)
5/16	80	5,400	48365	Hook & Hook	8	12
3/8	80	7,100	48360	Hook & Hook	8	13
3/8	80 or 100	9,200	48366	Hook & Hook	8	13
1/2	80	13,000	48367	Hook & Hook	8	16
1/2	80 or 100	15,000	48358	Hook & Hook	8	16
1/2	80 or 100	16,000	48387	Hook & Hook	8	16

CM Forged Ratchet Binders

- Dixie ratchet binders are built to exceed the highest military and professional specifications, including CVSA Cargo Securement Guidelines, Federal Highway, and DOT requirements.
- Dixie forges each ratchet component from pure alloy steel bar.
- Ratchet binders provide superior ergonomics to the traditional lever binder by requiring less physical strength to attach and remove.
- The handle is purposely designed loose using self-locking one-way bolts. This loose design allows mud, snow, ice or any other clogging substance to be easily removed from the ratchet mechanism by striking with a hammer or other tool.
- To insure quality, each individual ratchet binder, as part of the manufacturing process, is proof tested to 50% of the Minimum Breaking Strength (MBS) according to NACM criteria.
- All 1 inch ratchet binders feature oversized eyebolts and barrels providing additional support material for wear and tear.
- Dixie ratchet gears are permanently welded to the barrel while many others are simply roll pinned. With our ratchet, there is no pin to fall out.
- Dixie upset forged all our barrels, providing deeper and more consistent threads for longer life.
- Acme threads provide fasted take up, stay put, and won't back off.
- Hooks forged from micro-alloy steel, designed to yield before catastrophic failure.
- MADE IN USA - All our products are forged with USA, our name, product tract codes on each forged parts, and Working Load Limit (WLL) as required by many laws and manufacturing best practices.
- Dixie proudly stands beside you for the working life of our product.

Forged Ratchet Binders					
Product Code	End Fittings	For Chain Size			Working Load Limit (lbs.)
		G30	G43	G70	
48364	Hook/Hook	1/4	1/4	-	2,600
48811	Eye/Eye (no hooks)	-	-	-	5,400
48363	Eye/Eye (no hooks)	-	-	-	13,000
48810	Hook/Hook	3/8	3/8	5/16	5,400
48360	Hook/Hook	3/8	3/8	3/8	7,100
48365	Hook/Hook	3/8	3/8	5/16	5,400
48366	Hook/Hook	1/2	1/2	3/8	9,200
48367	Hook/Hook	5/8	5/8	1/2	13,000



CM Forged Ratchet Binders

- Removing handle provides greater load security by making it less likely for load to be stolen
- Reduces overall weight

FORGED RATCHET BINDERS							
Chain Grade & Size (in.)			Product Code	Working Load Limit (lbs)	Handle Take Up (in.)	Handle Length (in.)	Weight (lbs.)
G30	G43	G70					
IMPERIAL							
3/8	3/8	5/16	46565 Body	5,400	8.00	-	7.4
1/2	1/2	3/8	46566 Body	9,200	8.00	-	11.7
-	-	-	46565H Handle	-	-	14	4.3

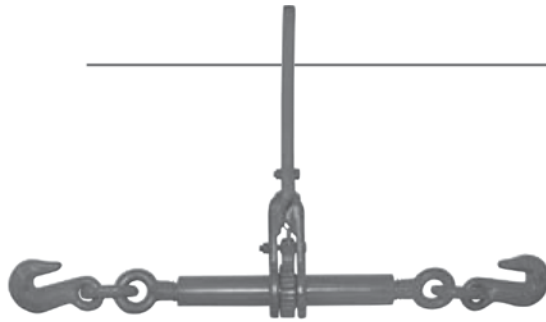


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CHAIN BINDERS

High Strength Ratchet Binders

Sometimes the job calls for **more muscle** than a standard binder can handle - *that's when you need the power of Dixie's high strength ratchet binders.*



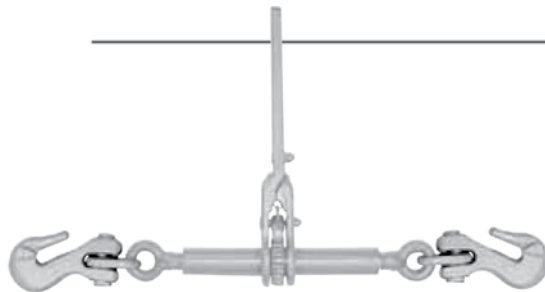
High Strength Ratchet Binders

A heftier version of our standard forged ratchet binder.

Able to withstand higher working load limits and Grade 80 and 100 chain assemblies.

Part #	Chain Grade & Size (in.)				Handle Take Up (in.)	Handle Length (in.)	WLL (lbs.)	Weight Each (lbs.)
	G43	G43	G80	G100				
48458	1/2	1/2	1/2	---	8.00	14.0	12,000	13.0
48455	3/8	3/8	3/8	3/8	8.00	14.0	8,800	12.0

WARNING: Not for overhead lifting.



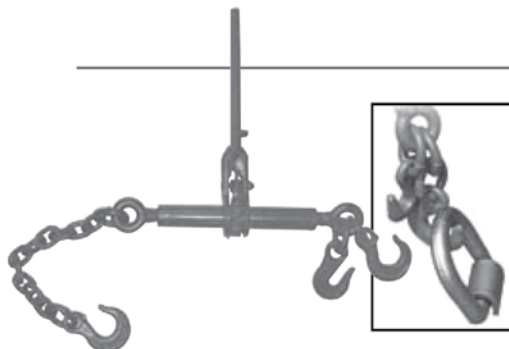
EZ Pro® Ratchet Binders

Works as an integral part of the **EZ Pro® Load Securement System.**

Overall lighter and stronger than comparable conventional systems - while still meeting all Federal regulations and requirements.

Part #	Chain Grade & Size (in.)	Handle Take Up (in.)	Handle Length (in.)	WLL (lbs.)	Weight Each (lbs.)
48399	10K	8"	14"	10,000	16.0
46398	6K	8"	14"	6,000	15.0

Custom Ratchet Binders



Ratchet Binders for Special Applications

Grab Hook and Slip Hook on one end and Slip Hook on the other.

Enables you to hook directly into a D ring.

Visit www.cmforge.com to build your own custom Trac Ratchet.

CHAIN BINDERS



QUIKBINDER™

A RATCHET LOAD BINDER LIKE NO OTHER

This premium patented ratchet binder is unlike any other load binder on the market. The QuikBinder™ offers higher working load limits than standard ratchet load binders, and is designed for use with either Grade 70 Transport, Grade 80, or Grade 100 Alloy tie-down chains.

The QuikBinder™ is also easier to install than standard ratchet load binders. The 3-position pawl offers the driver a choice of ratchet extension, ratchet take-up or a “free spin” setting for fast adjustment in either direction. A load can be secured in half the time. It is available in three sizes and features a vinyl coated barrel for a strong, comfortable grip.

The folding handle makes the QuikBinder™ safer (no handle sticking out) and more convenient to use. Simply fold the handle down after the load is secure or when storing on your cab rack. Stronger, faster, safer and more functional than standard ratchet binders.



FOLDING HANDLE

3-POSITION PAWL

TAMPER RESISTANT

Stock #	Chain Grade and Size (in.)			Take-up (in.)	Handle Length (in.)		Qty Per Package	Lbs. per Package	Working Load Limit	
	Yellow	G70	G80		G100	Folded			Straight	Lbs.
H5125-0658	5/16 & 3/8	5/16 & 3/8	5/16	6.00	9.50	13.90	4	46	7,100	3,220
H5125-0858	3/8 & 1/2	3/8 & 1/2	3/8	6.00	9.50	13.90	4	56	12,000	5,443
H5125-0958	1/2 & 5/8	1/2 & 5/8	1/2	6.00	9.50	13.90	2	37	18,100	8,210



CERTIFIED TESTING AND WEIGHING

LiftPRO was instrumental in the development of computerized lifting software used across the U. S.

Load Testing & Weighing for Overhead, Jib, Construction Cranes • Load-Weight Verification, Certify/Re-certify Sling Inventories • Certified Load Testing & Weighing • Proof & Break Testing

LiftPRO's
300,000 lb. Test Bed provides
Proof & Break testing

- **Computerized Testing** to ASTM E4 certification, traceable to National Institute of Standards and Technology.
- Determines the Load Limits to within + or - 1%
- 300,000 lb., 68' Test Bed, 42" Stroke Cylinder
- Proof and Break Testing
- FIRST Computerized Test Bed generates an exact computer printout documenting pounds of force against time for the duration of each test.



Railroad car stand
submitted to LiftPRO for
ASTME E4 Testing and Certification



Positioning the railroad car stand
in LiftPRO's 300,000 lb. Test Bed -
preparing to test



Testing and Certifying
each railroad car stand
to 147,000 lbs. per stand

Certified Portable Load Testers

5,000 lb.; 250,000 lb.; 300,000 lb.; 600,000 lb.

LiftPRO's portable load cells provide "on-site" weighting and testing for overhead, Jib, and construction cranes as well as load-weight verification.

- **Computerized Testing** to ASTM E4 certification, traceable to National Institute of Standards and Technology.
- Proof testing is now available at your site
- Determines the Load Limits to within + or - 1%
- Testers are certified at least annually
- Each test generates an exact computer printout documenting pounds of force against time for the duration of each test.



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Pictured below – This is LiftPRO's new vertical tester. It is capable of testing up to 400,000 LBS. and beams up to 42 feet long.



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