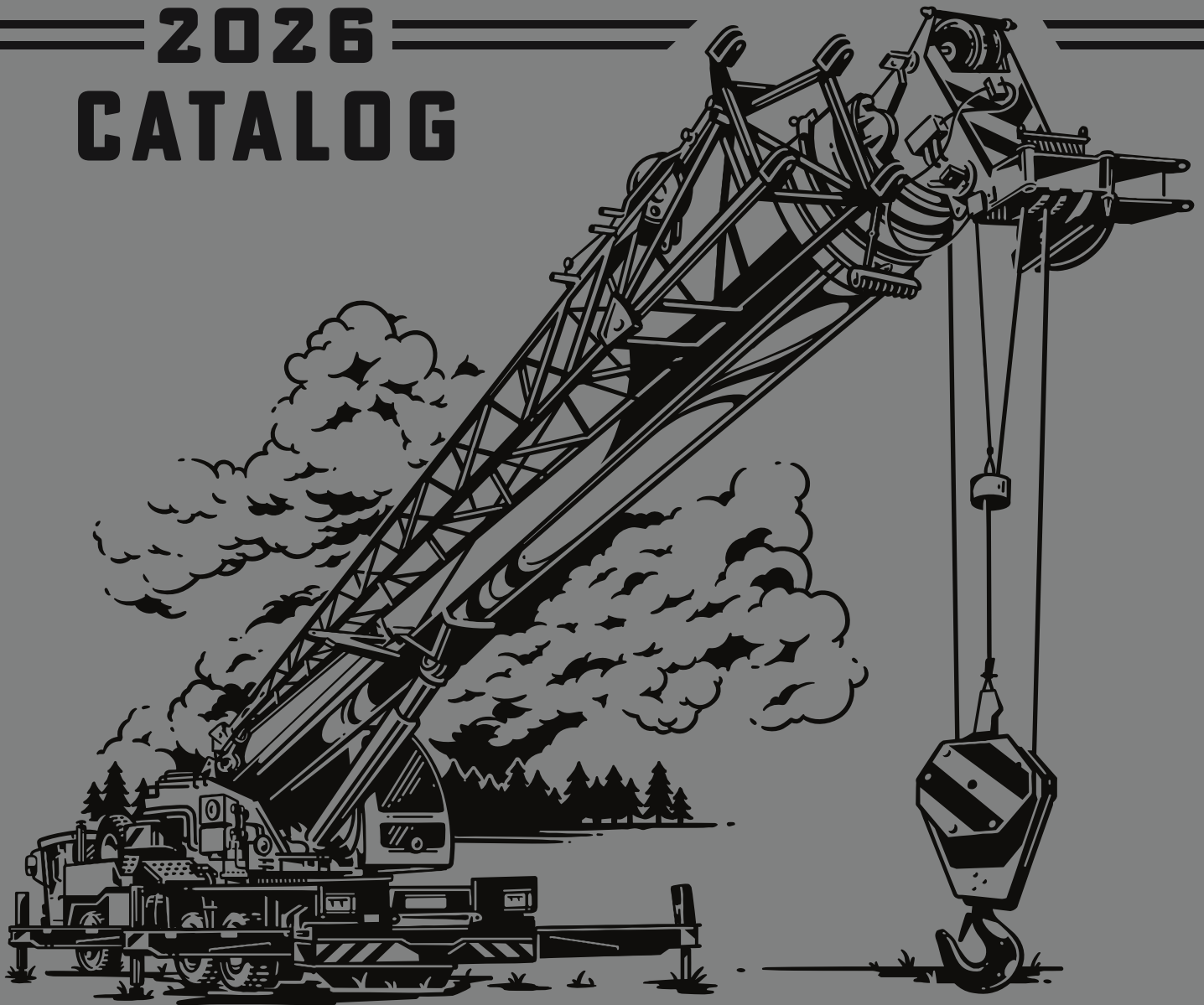


2026 CATALOG



NELSON
PA *Wire Rope* US

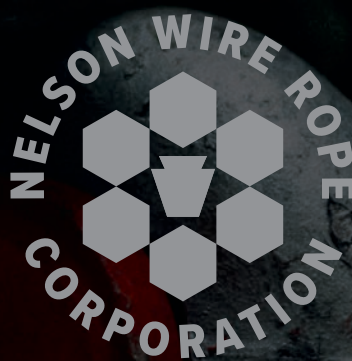
NELSONWIREROPE.COM

HATFIELD, PA

TEL. 215-721-9333



2026 PRODUCT CATALOG



Offering the highest quality
products and services for

**lifting,
moving,
and
securing.**

Section 01: About Us

- 04 Mission Statement & History
- 06 On-Site Rigging Inspections
- 07 In-House Rigging Repairs
- 08 Load Testing Capabilities
- 09 Rigging Awareness Training
- 09 Job Site Deliveries

Section 02: Wire Rope

- 10 General Purpose Wire Rope
- 11 Galvanized Aircraft Cable
- 12 Crane Rope
- 14 High Performance Crane Rope

Section 03: Wire Rope End Fittings

- 20 Wedge Sockets
- 22 Forged Wire Rope Clips

Section 04: Wire Rope Slings

- 24 Single Leg Wire Rope Slings
- 25 Two Leg Wire Rope Slings
- 26 Three Leg Wire Rope Slings
- 27 Four Leg Wire Rope Slings
- 28 Wire Rope Grommets
- 29 3 Part Wire Rope Slings
- 30 6 Part Wire Rope Slings
- 31 8 Part Wire Rope Slings
- 32 Swage Socket Assemblies
- 34 Roll Off Cable Assemblies
- 35 Pipe Carrier Lifting Slings

Section 05: Chain Slings

- 36 Single Leg Chain Slings
- 37 Double Leg Chain Slings
- 38 Triple Leg Chain Slings
- 39 Quadruple Leg Chain Slings
- 40 GrabIQ Single Leg Chain Slings
- 41 GrabIQ Double Leg Chain Slings
- 42 GrabIQ Triple Leg Chain Slings
- 43 GrabIQ Quadruple Leg Chain Slings

Section 06: Synthetic Slings

- 44 Eye & Eye Web Slings
- 45 Endless Web Slings
- 46 Reversed Eye Web Slings
- 46 Triangle Choker Web Slings
- 47 Web Bridle Slings
- 48 Round Slings
- 49 High Performance Round Slings

Section 07: Rigging Hardware

- 50 Shackles
- 54 Hooks
- 60 Shur-Lok Hooks
- 62 Snatch Blocks
- 63 Alloy Master Links
- 64 Eye Bolts
- 66 Clips, Thimbles, & Tools
- 67 Turnbuckles

Section 08: Stainless Steel

- 68 Aircraft Cable
- 69 Hardware

Section 09: Chain & Accessories

- 70 Grade 100
- 72 GrabIQ Grade 100
- 74 Grade 70
- 76 Grade 30/43

Section 09: Rigging Tools

- 78 Crosby IP Clamps
- 79 J.C. Renfro Clamps
- 80 Spanset Exoset Clamps
- 82 Lincoln Cable and Web Hoists
- 83 Beam Clamps
- 83 Manual Trolleys
- 84 Harrington Lever Hoists
- 85 Harrington Hand Chain Hoists

Section 10: Below The Hook

- 86 Standard Duty Lifting Beam
- 87 Adjustable Lifting Beam
- 88 Standard Spreader Beam
- 89 Adjustable Spreader Beam

Section 11: Cargo Control

- 90 Ratchet Straps
- 91 Winch Straps
- 92 Winches & Winch Bars
- 93 Logistic Straps
- 94 Utility Straps

Section 12: Synthetic Rope

- 96 Manila Rope
- 96 Double Braided Rope
- 97 Polypropylene Rope
- 97 Nylon Rope

MISSION STATEMENT

Since 1979, Nelson Wire Rope is committed to manufacturing and distributing the highest quality products made for lifting, moving, and securing. We make no compromises on quality, prioritizing the safety and success of our customers in many industries across the nation. Our mission is to build a stronger, safer America through exceptional service, fair pricing, and a steadfast dedication to quality that empowers our communities and supports the nation's progress.

QUALITY STATEMENT

At Nelson Wire Rope, we are steadfast in our commitment to manufacturing and distributing the highest quality lifting, moving, and securing products. Our family-operated business has prioritized the safety and success of our customers, supporting numerous industries across the country with no compromise on quality. We build professional relationships through exceptional service and leverage our extensive product knowledge to exceed customer expectations. Dedicated to continual improvement, we hold the highest standards and empower our team members with the tools and training needed to perform their roles effectively and efficiently. Our commitment extends beyond transactions to ensuring a safer, stronger America with every product we deliver.

COMPANY HISTORY

Nelson Wire Rope is a third-generation, family-owned business, established in 1979 by Jack Nelson. Drawing on his extensive knowledge in the wire rope and steel industry, Jack laid the company's foundation with the crucial support of his sons, Rick and David Nelson, who were just 24 and 22 at the time. Through hard work and dedication, they grew the business into what Nelson Wire Rope is today. Now, Rick's sons, Steve and Rob Nelson, continue the family legacy as Co-Owners, and most importantly, as brothers, upholding the tradition of excellence, innovation, and commitment to quality that has defined the company for decades.





ON-SITE RIGGING INSPECTIONS

A rigging inspection is a critical process that involves the detailed assessment of all rigging equipment, including wire rope, chain, synthetic slings, hooks, and other hardware. It aims to identify any potential issues or wear and tear that might affect the equipment's performance or pose a safety risk.

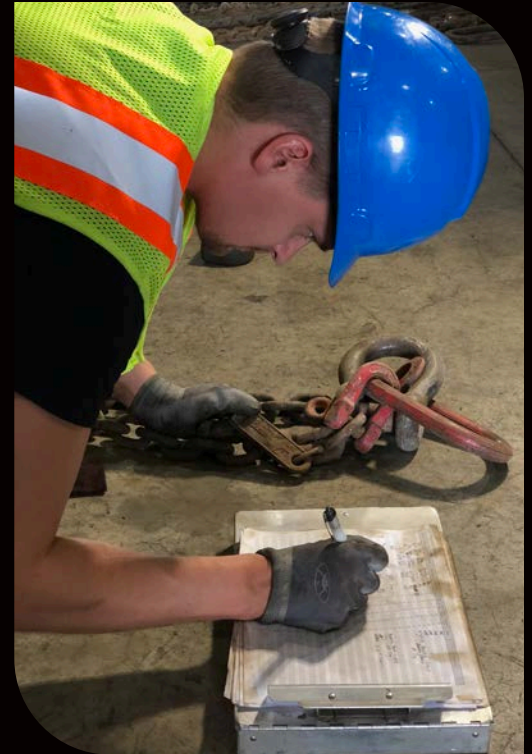
The importance of regular rigging inspections cannot be overstated.

In industries where heavy loads are the norm, the integrity of your rigging equipment is paramount. Over time, rigging components can experience wear, corrosion, and damage, compromising their functionality and potentially leading to equipment failure. This not only disrupts operations but also poses a significant safety hazard.

That's where we come in.

At Nelson Wire Rope, our experienced inspectors are equipped with the knowledge and expertise necessary to carry out comprehensive and accurate inspections. We adhere to all industry standards and regulations, ensuring your equipment is safe, reliable, and compliant.

Our family has been in the rigging business for three generations, and we bring that depth of experience to our inspection services. With our keen eye for detail, we can identify potential issues before they become costly problems. Plus, we provide clear, concise reports and practical recommendations for any necessary repairs or replacements.



By choosing Nelson Wire Rope for your rigging inspection needs, you're opting for peace of mind. You can trust us to help keep your operations running smoothly, your equipment in optimal condition, and your team safe.



IN-HOUSE RIGGING REPAIRS

As one of the region's premier full-service rigging specialists, Nelson Wire Rope is your trusted partner for all your rigging repair needs. Our skilled repair technicians are equipped to handle a wide range of equipment repairs, either on-site or at our facility. We pride ourselves on doing the job right the first time, ensuring your equipment is restored to optimal working condition. After repairs, we test all equipment to ensure it meets applicable OSHA, ASME, and manufacturer's standards.

Nelson Wire Rope's repair services cover a broad spectrum of rigging and lifting equipment, including wire rope slings, chain slings, roundslings, plate clamps, manual lever hoists, chain falls, electric and air hoists, hydraulic cylinders, hydraulic pumps, and other hydraulic tools.

Our team is recognized by several leading manufacturers for our expertise in hoist and plate clamp repairs. Count on Nelson Wire Rope to provide reliable, cost-effective repair solutions that keep your operations running smoothly. Contact us today to discuss your rigging repair needs and find out how we can assist you.

Inspections and repairs are available for the following types of equipment:

Wire Rope Slings

Chain Slings

Metal Mesh Slings

Web Slings

Round Slings

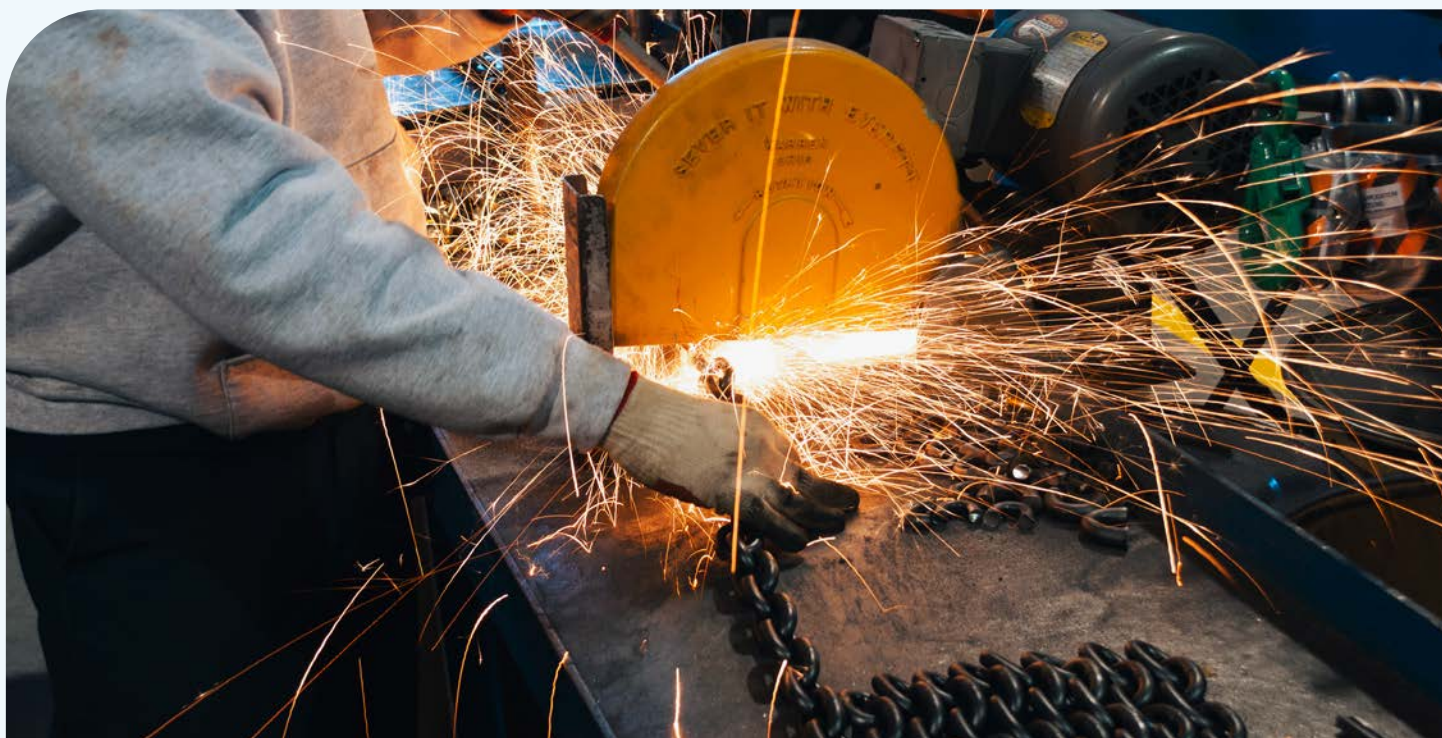
Rigging Hardware

Lifting Devices

Plate Clamps

Manual Lever Hoists

Chain Falls



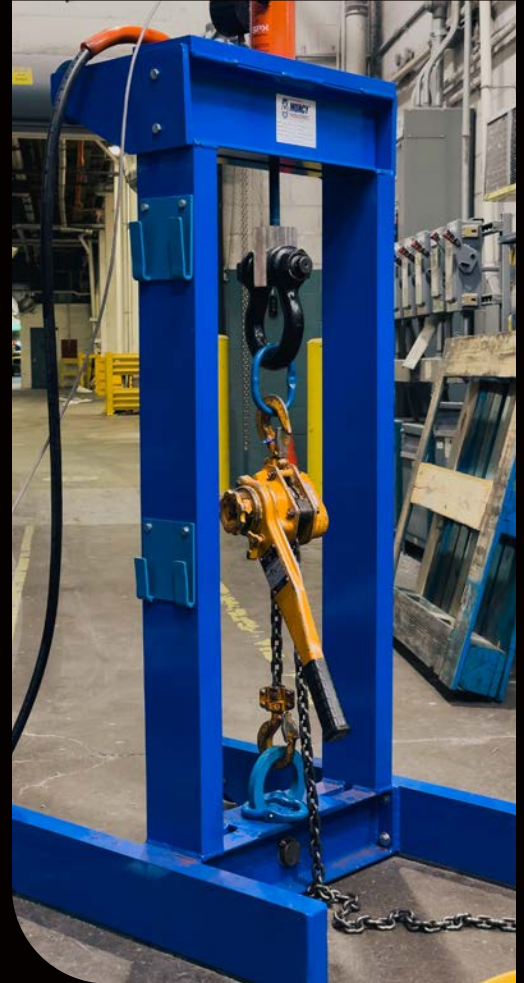
PULL TESTING

Ensure your rigging's load capacity and reliability with our load testing services

Nelson Wire Rope offers comprehensive load testing services for both our fabricated products and those from other manufacturers. Our tests ensure product verification, including break testing, and assess the load capacity of custom and repaired products. We provide Certificates of Testing for all our test equipment. All our testing equipment is calibrated annually to ASTM E-4 standards, ensuring +/- 1% accuracy.

Can't bring your hardware or hoists to us? We will come to you.

We know that taking your equipment off-site can be challenging and slows down what you need to get done. That's why we have a fully portable load tester that can go to even the most challenging places. With a capacity of 10 tons, testing smaller equipment such as hoists, rigging hardware and shorter slings has never been easier. We provide Certificates of Testing for all our test equipment. All our testing equipment is calibrated annually to ASTM E-4 standards, ensuring +/- 1% accuracy.



RIGGING AWARENESS TRAINING

At Nelson Wire Rope, we understand the critical importance of rigger training in ensuring worker safety and the proper functioning of rigging equipment. We offer a variety of comprehensive training programs, conducted by our in-house trainers. Our training covers the use, inspection, and maintenance of rigging products. Additionally, we provide custom training programs tailored to your company's specific needs. Whether you require a brief on-site session to address particular issues, a toolbox talk, or an extensive, hands-on rigging course, we can develop a program that meets your requirements.

Nelson Wire Rope is dedicated to providing top-notch rigging awareness training to enhance safety and operational efficiency at your job site.



JOB-SITE DELIVERY

Nelson Wire Rope offers specialized Job Site Delivery services for those times when conventional carriers like UPS, FedEx, or LTL carriers cannot meet your specific delivery requirements. We provide timely and reliable delivery of orders directly to your job site, ensuring your materials arrive exactly when and where you need them. Our service area includes New Jersey, Delaware, and Pennsylvania east of Harrisburg. Whether you need a delivery outside standard shipping times or to a challenging location, Nelson Wire Rope is equipped to handle your job site delivery needs with precision and care. Trust us to ensure your rigging equipment is delivered efficiently, helping you maintain smooth and uninterrupted operations.



6X19 CLASS & 6X36 CLASS WIRE ROPE

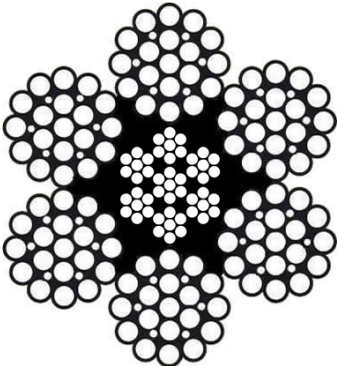
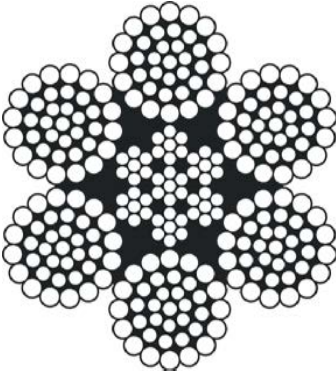
6x19 classification ropes provide an outstanding balance between fatigue and wear resistance. They give excellent service with sheaves and drums of moderate size. 6x36 classification ropes are more flexible but less abrasion resistant than the 6x19 classification. Each strand contains multiple small diameter wires. As the number of wires increases, flexibility increases. Fiber core rope provides increased flexibility over IWRC. While the strength is lower than IWRC, the flexibility may be preferred in certain applications.

Features

- Abrasion resistant
- Crush resistant
- Fatigue resistant
- No swivel
- Right lay
- Lubricated
- Multi layer spooling

Options

- Stainless Steel
- Galvanized
- Left Lay

6X19 CLASS IWRC	6X36 CLASS IWRC
	

Diameter in Inches	Approximate Weight Per Foot in Pounds	Minimum Breaking Force (tons of 2,000 lbs.)		
		IP	XIP	XXIP
1/4	0.116	2.94	3.40	-
5/16	0.18	4.58	5.27	-
3/8	0.26	6.56	7.55	8.30
7/16	0.35	8.89	10.2	11.2
1/2	0.46	11.5	13.3	14.6
9/16	0.59	14.5	16.8	18.5
5/8	0.72	17.9	20.6	22.7
3/4	1.04	25.6	29.4	32.4
7/8	1.42	34.6	39.8	43.8
1	1.85	44.9	51.7	56.9
1 1/8	2.34	56.5	65.0	71.5
1 1/4	2.89	69.4	79.9	87.9
1 3/8	3.50	83.5	96.0	106
1 1/2	4.16	98.9	114.0	125
1 5/8	4.88	115	132	146
1 3/4	5.67	133	153	169
1 7/8	6.50	152	174	192
2	7.39	172	198	217
2 1/8	8.35	192	221	243
2 1/4	9.36	215	247	272

7X7 GALVANIZED AIRCRAFT CABLE

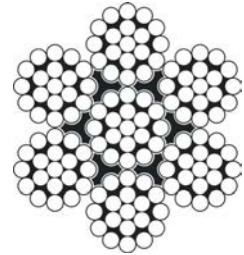
- Conforms to U.S. Federal Specification RR-W-410H
- Small diameter 7x7 cable is great for use on pulleys and general use when diameters are needed smaller than available in 7x19 construction
- Zinc (galvanized) coated steel wire rope is the most common type of wire rope. It offers moderate corrosion resistance, and remains ductile over long periods when running over sheaves. Galvanized cable is stronger than stainless steel cable.
- Can be cut in custom lengths from 1 ft to 5,000 ft



Stock Number	Rope Diameter (in.)	Length on Reel (ft.)	Approximate Weight Per Reel (lbs.)	Nominal Breaking Strength (lbs.)
300-22	1/16	250	2	480
300-24	1/16	500	4	480
300-26	1/16	1000	8	480
300-32	3/32	250	4	920
300-34	3/32	500	8	920
300-36	3/32	1000	16	920
300-42	1/8	250	7	1,700
300-44	1/8	500	14	1,700
300-46	1/8	1000	28	1,700

7X19 GALVANIZED AIRCRAFT CABLE

- Conforms to U.S. Federal Specification RR-W-410H
- Commonly used on small diameter pulleys, running rigging on sailboats, perimeter barriers, winches and control cables. 7x19 is the best all around cable for most applications.
- Zinc (galvanized) coated steel cable is the most common type of cable. It offers moderate corrosion resistance, and remains ductile over long periods when running over sheaves. Galvanized cable is stronger than stainless steel cable.
- Can be cut in custom lengths from 1 ft to 5,000 ft



Stock Number	Rope Diameter (in.)	Length on Reel (ft.)	Approximate Weight Per Reel (lbs.)	Nominal Breaking Strength (lbs.)
300-62	3/32	250	4	1,000
300-64	3/32	500	9	1,000
300-66	3/32	1000	17	1,000
300-72	1/8	250	7	2,000
300-74	1/8	500	15	2,000
300-76	1/8	1000	29	2,000
300-92	3/16	250	16	4,200
300-94	3/16	500	33	4,200
300-96	3/16	1000	65	4,200
300-112	1/4	250	28	7,000
300-114	1/4	500	55	7,000
300-116	1/4	1000	110	7,000
300-122	5/16	250	43	9,800
300-124	5/16	500	87	9,800
300-126	5/16	1000	173	9,800
300-131	3/8	250	61	14,400
300-132	3/8	500	122	14,400
300-133	3/8	1000	243	14,400

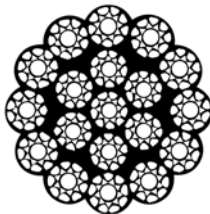
FLEX-X 19

Flex-X 19, a Category 2 rotation resistant rope, is made from 19 strands. Six strands are laid around a core strand in one direction, and then 12 strands are laid around this first operation in the opposite direction. Because of its tightly compacted smooth design, Flex-X 19 offers more crushing resistance than standard 19 x 7 rope, higher strength- to-diameter, resistance to bending fatigue, exceptional stability, reduced wear to sheaves and drums, and improved handling, operating and spooling characteristics.

Flex-X 19 has also demonstrated greater fatigue resistance to substantially cut rope expense and extend service life. It's ideal for multipart hoist lines wherever you encounter spooling problems, drum crushing, block twisting or have fast line speeds.

Features

- More crushing resistance than standard 19x7
- Higher strength-to-diameter resistance to bending fatigue
- Exceptional stability
- No swivel
- Compacted
- Right lay
- Lubricated
- Multi layer spooling



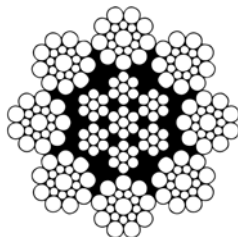
Wire Rope Diameter		Approximate Weight Per Foot in Pounds	Nominal Breaking Strength in Tons
in.	mm		
7/16	11	0.43	11.2
1/2	13	0.49	14.6
9/16	14.5	0.65	18.5
5/8	16	0.78	22.7
3/4	19	1.16	32.4
7/8	22	1.58	43.8
1	26	2.05	56.9
1 1/8	29	2.57	71.5
1 1/4	32	3.31	87.9
1-3/8	35	4.01	106.0
1-1/2	38	4.77	125.0

8X19

Standard constructions are regular lay and either 19 Seale or 25 Filler Wire. The size relationship between strands and cores gives these ropes increased bendability over six strand ropes of the same diameter. The 8x19 has more crushing resistance and a higher minimum breaking force than 19x7, but less rotation resistance. An 8x19 class rope can be used in multi-part reeving where limited rotation resistance is required.

Features

- Increased Bendability
- Crush resistant
- Fatigue resistant
- No swivel
- Right lay
- Lubricated
- Multi layer spooling



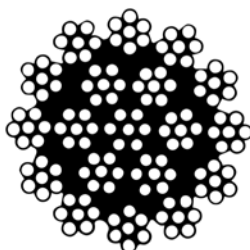
Rope Diameter in Inches	Approximate Weight Per Foot in Pounds	Nominal Breaking Strength in Tons
7/16	.36	8.97
1/2	.47	11.6
9/16	.60	14.7
5/8	.73	18.1
3/4	1.06	25.9
7/8	1.44	35.0
1	1.88	45.5
1 1/8	2.39	57.3
1 1/4	2.94	70.5

19X7

In an application where a single-part hoist rope is used to lift a free load – or where rotation-resistant properties are essential for rope performance – the 19x7 can be used. Its rotation-resistant characteristic is achieved by laying six strands around a core strand in one direction, then laying 12 strands around the first operation in the opposite direction. When the rope is in tension, opposing rotational forces are created between the inner and outer layers.

Features

- No swivel
- Right lay
- Lubricated
- Multi layer spooling



Rope Diameter in Inches	Approximate Weight Per Foot in Pounds	Nominal Breaking Strength in Tons
1/4	.113	2.77
5/16	.177	4.3
3/8	.25	6.15
7/16	.35	8.33
1/2	.45	10.8
9/16	.58	13.6
5/8	.71	16.8
3/4	1.02	24.0
7/8	1.39	32.5
1	1.82	42.2
1 1/8	2.30	53.1
1 1/4	2.83	65.1



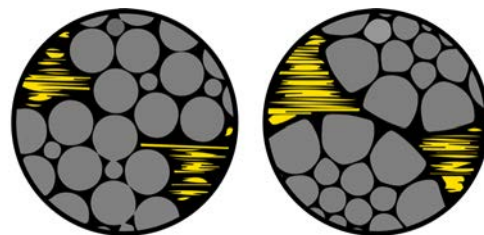
FLEX-X 6

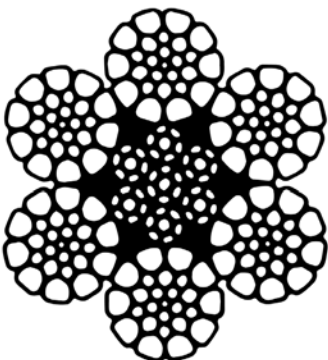
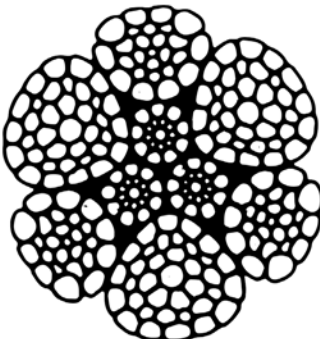
Flex-X 6 users receive superior performance and increased service life in many applications compared to the ropes they had previously employed. When compared to conventional six strand ropes, Flex-X 6 ropes provide greater surface area and more steel per given diameter. This increases rope stability and strength. This results in a longer service life and less sheave and drum wear.

FLEX-X 9

Flex-X 9 features compacted strands and swaging for extra drum crushing resistance and increased stability. Its high density strands deliver extra strength and resistance to abrasion. Flex-X 9 is manufactured with a dual compaction process to produce a compact cross-section with minimum voids and greater surface area on outer wires that contact drums, sheaves and the rope during operation. The high-density compacted strands minimize nicking at strand-to-strand contact points. Flex-X 9 was specifically designed for boom hoist applications where drum crushing is a challenge.

Flex-X designs reduce drum scrubbing between the lead line and the previous wrap. The smooth contact creates less interference, less metal loss and wire deformation. The increased surface area of Flex-X can be seen in the comparison of the contact points of a standard 6x26WS and Flex-X as shown.



FLEX-X 6	FLEX-X 9
	

Rope Diameter in Inches	FLEX-X 6		FLEX-X 9	
	Approximate Weight Per Foot in Pounds	Nominal Breaking Strength in Tons	Approximate Weight Per Foot in Pounds	Nominal Breaking Strength in Tons
3/8	.32	8.8	-	-
7/16	.41	11.9	-	-
1/2	.55	15.3	-	-
9/16	.70	19.3	-	-
5/8	.86	22.7	.95	26.2
3/4	1.25	32.4	1.35	37.4
7/8	1.67	43.8	1.85	50.6
1	2.18	56.9	2.40	65.7
1 1/8	2.71	71.5	3.05	82.7

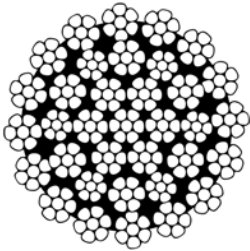


CASAR STARLIFT PLUS

A very flexible rope with a core in a special design avoiding crossovers between the strands of core and preventing internal rope destruction. Hoist rope for mobile cranes, electrical hoists and other applications, where rotation resistant ropes are required.

Features

- Temperature range of use: -50°C to +75°C
- Suitable for multilayer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized



- Compacted
- Swivel
- Lubricated

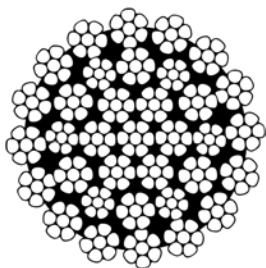
Wire Rope Diameter		Approximate Weight		1960 N/mm ²		2160 N/mm ²	
mm	inches	kg/m	lbs/ft	(kN)	t [2000 lbs.]	(kN)	t [2000 lbs.]
10	-	0,50	0.34	92,0	10.34	98,0	11.02
11	7/16	0,61	0.41	111,0	12.48	119,0	13.38
12	-	0,73	0.49	132,0	14.84	144,0	16.19
-	1/2	0,81	0.55	147,8	16.61	161,3	18.13
13	-	0,85	0.57	155,0	17.42	169,0	19.00
14	-	0,99	0.67	179,0	20.12	195,0	21.92
15	-	1,13	0.76	206,0	23.16	225,0	25.29
16	5/8	1,29	0.87	235,0	26.42	257,0	28.89
17	-	1,46	0.98	261,0	29.34	285,0	32.04
18	-	1,63	1.09	298,0	33.50	325,0	36.53
19	3/4	1,81	1.22	329,0	36.98	359,0	40.53
20	-	2,02	1.36	367,0	41.25	401,0	45.07
21	-	2,23	1.50	402,0	45.19	439,0	49.35
22	-	2,44	1.64	442,0	49.68	483,0	54.29
-	7/8	2,48	1.67	451,1	50.71	492,9	55.40
23	-	2,68	1.80	483,0	54.29	527,0	59.24
24	-	2,90	1.95	525,0	59.01	573,0	64.41
25	-	3,14	2.11	571,0	64.18	623,0	70.03
-	1	3,25	2.18	589,4	66.25	643,1	72.29
26	-	3,42	2.30	615,0	69.13	671,0	75.42
27	-	3,68	2.47	669,0	75.20	730,0	82.06
28	-	3,95	2.65	719,0	80.82	784,0	88.13
-	1 1/8	4,11	2.76	748,8	84.17	816,5	91.78
29	-	4,26	2.86	768,0	86.33	838,0	94.19
30	-	4,55	3.05	827,0	92.96	903,0	101.50
31	-	4,85	3.26	879,0	98.80	959,0	107.80
32	1 1/4	5,17	3.47	934,0	104.99	1.019,0	114.54
33	-	5,49	3.69	1.003,0	112.74	1.095,0	123.08
34	-	5,83	3.92	1.054,0	118.47	1.150,0	129.27
35	1 3/8	6,19	4.16	1.116,5	125.50	1.218,2	136.93
36	-	6,54	4.40	1.187,0	133.42	1.296,0	145.68
38	1 1/2	7,31	4.91	1.322,0	148.60	1.443,0	162.20
40	-	8,06	5.41	1.467,0	164.90	1.601,0	179.96
-	1 5/8	8,58	5.77	1.562,0	175.58	1.704,7	191.61
42	-	8,87	5.96	1.616,0	181.65	1.764,0	198.28
44	-	9,77	6.56	1.770,0	198.96	1.932,0	217.17
-	1 3/4	9,97	6.70	1.806,4	203.05	1.971,7	221.63
46	-	10,68	7.18	1.935,0	217.50	2.112,0	237.40
48	1 7/8	11,58	7.78	2.115,0	237.74	2.309,0	259.54
50	-	12,61	8.48	2.297,0	258.19	2.507,0	281.80
-	2	12,99	8.73	2.371,0	266.51	2.587,9	290.89
52	-	13,61	9.14	2.486,0	279.44	2.713,0	304.95
54	2 1/8	14,70	9.88	2.695,0	302.93	2.941,0	330.58
56	-	15,81	10.62	2.879,0	323.61	3.142,0	353.17



CASAR STARLIFT XTRA

The latest high performance rotation-resistant rope designed and manufactured by CASAR Germany, a member of WireCo WorldGroup.

CASAR® Starlift Xtra™, the new high performance rotation resistant rope, was added to the CASAR product range to meet the highest Minimum Breaking Forces requested in the crane rope market. CASAR Starlift Xtra provides the user unique characteristics as a hoist rope.



Features

- Temperature range of use: -50°C to +75°C
- Suitable for multilayer spooling in Lang's lay
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

Rotation Resistance (Non-Rotating)

The balanced design of CASAR Starlift Xtra results in minimal torque under load, providing superior rotation resistance. Under a normal working load range, CASAR Starlift Xtra has virtually no tendency to rotate, making it ideal for both single-part and multi-part hoist systems and also for those involving long falls where rotation resistance is required.

CASAR Starlift Xtra meets both the Category 1 requirements according to ASTM A1023 and the general guidance on the use of a swivel given in Annex A ISO 21669. Due to its superior rotation resistant properties, CASAR Starlift Xtra may be used with a swivel.

Resistance to Wear

The multi-strand design of CASAR Starlift Xtra combined with compacted strands and lang lay construction helps to maximize resistance to wear by greatly increasing wire and strand surface areas that contact sheaves and drums. Internally, the enhanced surfaces of the compacted strands help minimize strand-to-strand nicking between strand layers. This feature results in greater resistance to fatigue.

Resistance to Crushing and Abrasion on Drums

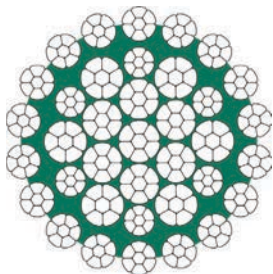
The characteristics of CASAR Starlift Xtra enhance its performance in multiple-layer spooling as well. The design of CASAR Starlift Xtra provides excellent resistance to both abrasion and scrubbing that occurs at kickover areas and crushing that occurs at the crossover points in multiple-layer drum spooling. The rope construction combined with the compacted strand design of CASAR Starlift Xtra results in a rope cross-section of very high density. These features provide increased resistance to drum-related wear.

Wire Rope Diameter		Approximate Weight		Minimum Breaking force	
mm	in	kg/m	lbs/ft	(kN)	t [2000 lbs.]
14	-	0,99	0.67	208,0	23.38
15	-	1,13	0.76	235,0	26.42
16	5/8	1,34	0.90	272,0	30.57
17	-	1,46	0.98	302,0	33.95
18	-	1,63	1.09	340,0	38.22
19	3/4	1,87	1.26	382,0	42.94
20	-	2,02	1.36	421,0	47.32
21	-	2,23	1.50	460,0	51.71
22	-	2,44	1.64	509,0	57.21
-	7/8	2,48	1.67	519,5	58.39
-	1	3,25	2.18	675,0	75.87
26	-	3,42	2.30	705,0	79.25
27	-	3,68	2.47	757,0	85.09
28	-	4,04	2.71	815,0	91.61
-	1 1/8	4,21	2.83	848,8	95.41
30	-	4,78	3.21	934,0	104.99
32	-	5,29	3.55	1.085,0	121.96

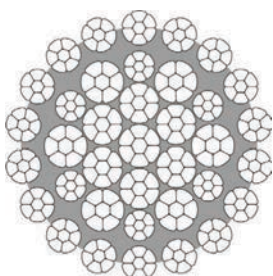


OLIVEIRA NR MAXIPACT

All cranes and performant lifting devices where non-rotating and high MBL ropes are required.
Recommended for offshore, deck cranes and marine environment.



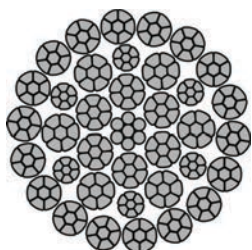
Oliveira NR Maxipact PPI



Oliveira NR Maxipact

- Temperature range of use: -50°C to +100°C
- Temperature range of use for option PPI: -50°C to +80°C
- Option PPI – only available for diameter $\geq 13\text{mm}$
- Please add 1.0% on the weight for ropes with PPI
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand

Diameter		Approximate Weight		1960 N/mm ²		2160 N/mm ²	
mm	inches	kg/m	lbs/ft.	kN	t [2000 lbs.]	kN	t [2000 lbs.]
12.70	1/2	0,77	0.52	148,0	16.64	155,9	17.52
13	-	0,82	0.55	157,8	17.73	165,7	18.62
14	-	0,95	0.64	183,3	20.60	192,5	21.63
15	-	1,09	0.73	209,6	23.56	220,6	24.80
15.88	5/8	1,20	0.81	230,0	25.85	241,0	27.09
16	-	1,25	0.84	239,4	26.91	251,4	28.26
17	-	1,40	0.94	269,7	30.32	283,4	31.86
18	-	1,57	1.06	302,5	34.01	317,7	35.71
19	3/4	1,76	1.18	338,9	38.09	355,9	40.00
20	-	1,94	1.30	374,2	42.06	393,0	44.17
21	-	2,13	1.43	412,2	46.33	432,9	48.65
22	-	2,34	1.57	452,0	50.81	474,7	53.35
22.23	7/8	2,37	1.59	458,0	51.48	481,0	54.07
23	-	2,56	1.72	494,8	55.62	519,6	58.41
24	-	2,79	1.87	540,3	60.73	567,4	63.78
25	-	3,04	2.04	587,1	65.99	616,6	69.30
25.40	1	3,08	2.07	595,4	66.93	625,3	70.29
26	-	3,27	2.20	634,2	71.29	666,1	74.87
27	-	3,54	2.38	683,6	76.84	717,9	80.69
28	-	3,80	2.55	734,0	82.51	770,9	86.65
28.58	1 1/8	3,98	2.67	768,3	86.36	806,8	90.69
29	-	4,07	2.73	790,0	88.80	824,4	92.67
30	-	4,39	2.95	846,3	95.13	888,8	99.90
31.75	1 1/4	4,84	3.25	930,0	104.54	975,0	109.59
32	-	4,98	3.34	959,6	107.87	1.007,8	113.28
34	-	5,59	3.75	1.079,3	121.32	1.133,0	127.35
34.93	1 3/8	5,94	3.99	1.146,8	128.91	1.202,0	135.11
36	-	6,31	4.24	1.221,5	137.30	1.282,8	144.19
38	1 1/2	7,01	4.71	1.352,4	152.01	1.418,4	159.43
40	-	7,74	5.20	1.495,0	168.05	1.569,0	176.36
41.28	1 5/8	8,30	5.58	1.602,1	180.08	1.682,5	189.12
42	-	8,52	5.72	1.645,2	184.92	1.730,0	194.46
44	-	9,37	6.30	1.818,6	204.42	1.909,9	214.46
44.45	1 3/4	9,51	6.39	1.838,6	206.67	1.928,2	216.74
46	-	10,33	6.94	1.995,7	224.33	2.095,8	235.58
47.63	1 7/8	10,86	7.29	2.095,0	235.49	2.190,0	246.17
48	-	11,32	7.61	2.184,3	245.52	2.293,9	257.84
50	-	12,03	8.09	2.331,7	262,10	2.451,2	275.52
50.80	2	12,42	8.34	2.400,1	269,78	2.517,2	282.93



ENDURANCE DYFORM

Resistance to rotation

Greatest resistance to rotation of all ropes in the rotation-resistant product range
— confirmed by Bridon's unique Twistcheck testing program.

Resistance to bending fatigue

Longer bend-fatigue life when compared with conventional rotation-resistant ropes
— confirmed by laboratory testing and extensive field experience.

Resistance to crushing

Excellent resistance to crushing and abrasion due to the rope's compact design and the Dyform strands
— recommended when multi-layer spooling is involved.

Reduced elongation

Increased steel content and the Dyform process minimize elongation.

Long service life

Exceptional performance means less down time and more work time.

Benefits:

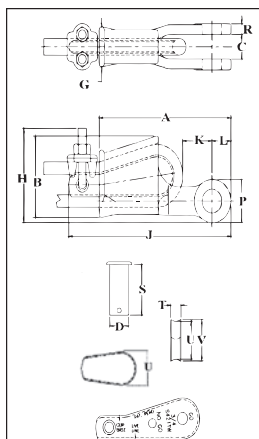
- Plastic impregnated
- Extends fatigue life
- Improves structural stability - Resists corrosion
- Low rotation
- Recommended for high lifting operations
- High strength
- Reduced rope sheave wear
- Accurate diameter, recommended for multi-layer spooling
- Suitable for single part and multi-part reeving
- Long service life
- Resistance to bending fatigue
- Reduced elongation

Diameter		Approximate Weight	Minimum Breaking Force (tons)			
inches	mm	lbs/ft.	34 LR 1960	34 LR 2160	34XL	34MAX
1/2	-	0.54	16.5	18.0	-	-
-	13	0.57	17.3	18.7	-	-
-	14	0.65	20.1	21.5	-	-
9/16	-	0.68	20.8	22.7	-	-
5/8	16	0.84	26.1	28.2	30.6	-
-	18	1.07	33.5	35.9	-	-
3/4	19	1.21	37.0	40.0	42.9	-
-	20	1.32	41.6	44.6	-	-
-	21	1.51	45.0	48.6	-	-
-	22	1.61	49.7	54.2	-	-
7/8	-	1.65	50.4	54.8	-	-
-	23	1.75	54.0	56.9	-	-
-	24	1.92	59.3	64.0	-	-
1	-	2.15	62.4	70.0	71.7	76.9
-	26	2.28	69.5	74.0	74.0	79.3
-	28	2.63	76.0	82.6	84.4	91.6
1 1/8	-	2.73	79.5	83.6	86.9	92.7
-	29	2.94	-	-	93.2	-
-	30	3.07	92.5	94.0	-	105.0
1 1/4	32	3.37	98.2	110.2	110.2	122.0



S-421T

Wedge sockets meet the performance requirements of Federal Specification RR-S-550E, Type C, except those provisions required of the contractor.



Crosby

S-421T WEDGE SOCKETS

(Assembly includes Socket, Wedge, Pin and Wire Rope Clip)

- Wedge socket terminations have an efficiency rating of 80% based on the catalog strength of XXIP wire rope.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these sockets meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11-17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or "dead end" of the wire rope to the wedge, thus eliminates loss or "Punch out" of the wedge.
- Eliminates the need for an extra piece of rope, and is easily installed.
- The TERMINATOR™ wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the wedge, is left undeformed and available for reuse.
- Incorporates Crosby's patented QUIC-CHECK® "Go" and "No-Go" feature cast into the wedge. The proper size rope is determined when the following criteria are met:
 - 1) The wire rope should pass thru the "Go" hole in the wedge.
 - 2) The wire rope should NOT pass thru the "No-Go" hole in the wedge.
- Utilizes standard Crosby Red-U-Bolt® wire rope clip.
- The 3/8 through 1-1/8 standard S-421 wedge socket can be retrofitted with the new style TERMINATOR wedge.
- **Available with Bolt, Nut, and Cotter Pin.**
- U.S. patent 5,553,360, Canada patent 2,217,004 and foreign equivalents.
- Meets the performance requirements of EN 13411-6: 2003.

Wire Rope Dia.		S-421T Stock No.	Weight Each (lbs.)	Wedge Only	Weight Each (lbs.)	API 2C Bolt, Nut & Cotter Assy	Standard Bolt, Nut & Cotter Assy	Weight Each (lbs.)
(in.)	(mm)							
3/8	9-10	1035000	3.18	1035555	.50	1092230	2038971	.38
1/2	11-13	1035009	6.15	1035564	1.05	1092248	2038974	.69
5/8	14-16	1035018	9.70	1035573	1.79	1092257	2038976	1.15
3/4	18-19	1035027	14.50	1035582	2.60	1092293	2038978	1.91
7/8	20-22	1035036	21.50	1035591	4.00	1092319	2038980	3.23
1	24-26	1035045	30.75	1035600	5.37	1092337	2038982	5.40
1-1/8	28	1035054	45.30	1035609	7.30	1092364	2038984	7.50
1-1/4	30-32	1035063	64.90	1035618	10.60	1092375	2038971	10.34

Wire Rope Dia.		S-421T Stock No.	Dimensions (in.)														
(in.)	(mm)		A	B	C +/- .09	D	G	H	J*	K*	L	P	R	S	T	U	V
3/8	9-10	1035000	5.69	2.72	.81	.81	1.38	3.06	7.80	1.88	.88	1.56	.44	2.13	.44	1.25	1.38
1/2	11-13	1035009	6.88	3.47	1.00	1.00	1.62	3.76	8.91	1.26	1.06	1.94	.50	2.56	.53	1.75	1.88
5/8	14-16	1035018	8.25	4.30	1.25	1.19	2.12	4.47	10.75	1.99	1.22	2.25	.56	3.25	.69	2.00	2.19
3/4	18-19	1035027	9.88	5.12	1.50	1.38	2.44	5.28	12.36	2.41	1.40	2.63	.66	3.63	.78	2.34	2.56
7/8	20-22	1035036	11.25	5.85	1.75	1.63	2.69	6.16	14.37	2.48	1.67	3.13	.75	4.31	.88	2.69	2.94
1	24-26	1035045	12.81	6.32	2.00	2.00	2.94	6.96	16.29	3.04	2.00	3.75	.88	4.70	1.03	2.88	3.28
1-1/8	28	1035054	14.38	6.92	2.25	2.25	3.31	7.62	18.34	2.56	2.25	4.25	1.00	5.44	1.10	3.25	3.56
1-1/4	30-32	1035063	16.34	8.73	2.62	2.50	3.56	9.39	20.48	2.94	2.34	4.50	1.06	6.13	1.19	4.62	4.94

* Nominal NOTE: For intermediate wire rope sizes, use next larger size socket. The S-423T Super TERMINATOR wedge is designed to be assembled only into the Crosby S-421T TERMINATOR socket body. IMPORTANT: The S-423TW for sizes 5/8" through 1-1/8" (14mm through 28mm) will fit respective size standard Crosby S-421T basket. The 1-1/4" (30-32mm) S-423TW will only fit the Crosby S-421T 1-1/4" basket marked with TERMINATOR.



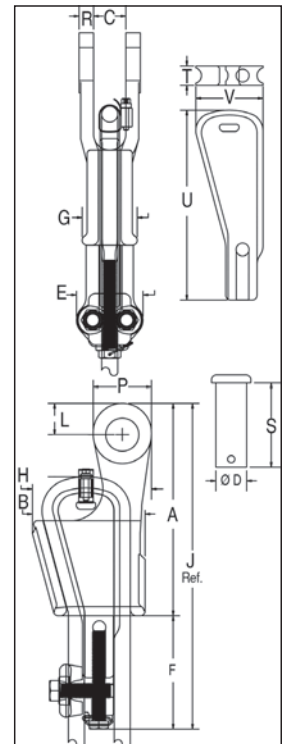
S-423T WEDGE SOCKETS

(Assembly includes Socket, Wedge, Pin, Wire Rope Clip, Tensioner, Bolts and Secondary Retention Wire)

- The 423T wedge socket terminations have a minimum efficiency rating on most high performance, high strength, compacted strand, rotation resistant wire ropes of 80% based on the catalog breaking strength of the various ropes.**
- Design eliminates the difficulty of properly seating the wedge with high performance wire rope into a wedge socket termination.
- Proper application of the Super TERMINATOR eliminates the "first load" requirement of conventional wedge socket terminations.
- S-423TW Wedge Kit can be retrofitted onto existing Crosby S-421T TERMINATOR wedge sockets.
- Wedge and accessories provided with a zinc finish.
- Meets the performance requirements of EN13411-6:2003.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these sockets meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- US Patent 8,375,527 B1.
- Basket is cast steel and individually magnetic particle inspected.
- Pin diameter and jaw opening allows wedge and socket to be used in conjunction with closed swage and spelter sockets.
- Secures the tail or "dead end" of the wire rope to the wedge, thus eliminates loss or "punch out" of the wedge.
- Eliminates the need for an extra piece of rope, and is easily installed.
- The TERMINATOR® wedge eliminates the potential breaking off of the tail due to fatigue.
- The tail, which is secured by the base of the clip and the tension device, is left undeformed and available for reuse.
- Available with Bolt, Nut, and Cotter Pin.**



S-423T

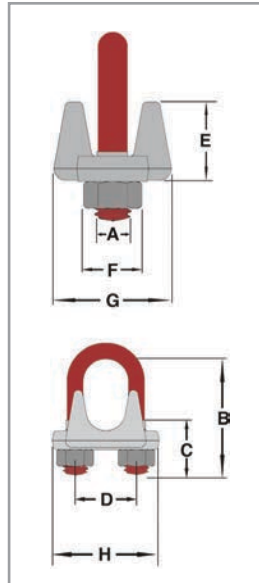


Wire Rope Dia.		S-423T Assembly with Round Pin and Cotter Pin			S-423TB Assembly with Bolt, Nut and Cotter Pin			S-423TW** Wedge Kit	
(in.)	(mm)	S-423T Stock No.	API 2C S-423T Stock No.	S-423T Weight Each (lbs.)	S-423TB Stock No.	API 2C S-423TB Stock No.	S-423TB Weight Each (lbs.)	S-423TW Stock No.	S-423TW Weight Each (lbs.)
5/8	14-16	1035123	1035128	12.7	1035218	1035223	13.1	1034018	5.2
3/4	18-19	1035132	1035137	19.4	1035227	1035232	19.1	1034027	7.2
7/8	20-22	1035141	1035146	28.8	1035236	1035241	27.8	1034036	10.3
1	24-26	1035150	1035155	39.2	1035245	1035250	37.3	1034045	11.9
1-1/8	28	1035169	1035174	57.1	1035254	1035259	57.9	1034054	19.9
1-1/4	30-32	1035178	1035183	88.6	1035272	1035277	88.1	1034063	33.8

**Kit contains Wedge, Wire Rope Clip and Bolts, Tensioner Bolt and Secondary Retention Wire.

Wire Rope Dia.		S-423T Stock No.	Dimensions (in.)																
(in.)	(mm)		A	B	C	D	E	F	G	H	J*	L	P	R	S	T	U	V	
5/8	14-16	1035123	8.25	4.50	1.25	1.19	3.00	4.06	2.13	4.61	12.31	1.22	2.25	.56	3.25	.75	6.88	2.60	
3/4	18-19	1035132	9.88	5.20	1.50	1.38	3.25	4.81	2.44	5.37	14.69	1.40	2.62	.66	3.63	.88	7.65	3.02	
7/8	20-22	1035141	11.25	5.88	1.75	1.63	3.81	5.73	2.69	6.16	16.98	1.67	3.13	.75	4.31	1.00	9.47	3.47	
1	24-26	1035150	12.81	6.56	2.00	2.00	3.81	5.73	2.94	7.05	18.54	2.01	3.75	.88	4.70	1.13	10.41	3.82	
1-1/8	28	1035169	14.38	6.94	2.25	2.25	4.00	6.85	3.38	7.81	21.23	2.26	4.25	1.00	5.44	1.25	11.83	4.22	
1-1/4	30-32	1035178	16.34	8.63	2.62	2.50	4.50	7.76	3.57	9.38	24.10	2.34	4.50	1.06	6.62	1.38	13.87	5.82	

* Nominal NOTE: For intermediate wire rope sizes, use next larger size socket. The S-423T Super TERMINATOR wedge is designed to be assembled only into the Crosby S-421T TERMINATOR socket body. IMPORTANT: The S-423TW for sizes 5/8" through 1-1/8" will fit respective size standard Crosby S-421T basket. The 1-1/4" S-423TW will only fit the Crosby S-421T 1-1/4" basket marked with TERMINATOR.



Crosby G-450 FORGED CLIPS

- Each base has a Product Identification Code (PIC) for material traceability, the name CROSBY or CG, and a size forged into it.
- Based on the catalog breaking strength of wire rope, Crosby wire rope clips have an efficiency rating of 80% for 1/8" - 7/8" sizes, and 90% for sizes 1" through 3-1/2".
- Entire Clip is Galvanized to resist corrosive and rusting action.
- Sizes 1/8" through 2-1/2" and 3" have forged bases.
- All Clips are individually bagged or tagged with proper application instructions and warning information.
- Clip sizes up through 1-1/2" have rolled threads.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these wire rope clips meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Look for the Red-U-Bolt®, your assurance of Genuine Crosby Clips.

Rope Size		G-450 Stock No.	Std. Package Qty.	Weight Per 100 (lbs.)	Dimensions (in.)							
(in.)	(mm)				A	B	C	D	E	F	G	H
1/8	3-4	1010015	100	6	.22	.72	.44	.47	.37	.38	.81	.99
3/16	5	1010033	100	10	.25	.97	.56	.59	.50	.44	.94	1.18
1/4	6-7	1010051	100	19	.31	1.03	.50	.75	.66	.56	1.19	1.43
5/16	8	1010079	100	28	.38	1.38	.75	.88	.73	.69	1.31	1.66
3/8	9-10	1010097	100	48	.44	1.50	.75	1.00	.91	.75	1.63	1.94
7/16	11	1010113	50	78	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
1/2	12-13	1010131	50	80	.50	1.88	1.00	1.19	1.13	.88	1.91	2.28
9/16	14-15	1010159	50	109	.56	2.25	1.25	1.31	1.34	.94	2.06	2.50
5/8	16	1010177	50	110	.56	2.25	1.25	1.31	1.34	.94	2.06	2.50
3/4	18-20	1010195	25	142	.62	2.75	1.44	1.50	1.39	1.06	2.25	2.84
7/8	22	1010211	25	212	.75	3.12	1.62	1.75	1.58	1.25	2.44	3.16
1	24-26	1010239	10	252	.75	3.50	1.81	1.88	1.77	1.25	2.63	3.47
1-1/8	28-30	1010257	10	283	.75	3.88	2.00	2.00	1.91	1.25	2.81	3.59
1-1/4	32-34	1010275	10	438	.88	4.44	2.22	2.34	2.17	1.44	3.13	4.13
1-3/8	36	1010293	10	442	.88	4.44	2.22	2.34	2.31	1.44	3.13	4.19
1-1/2	38	1010319	10	544	.88	4.94	2.38	2.59	2.44	1.44	3.41	4.44
1-5/8	41-42	1010337	Bulk	704	1.00	5.31	2.62	2.75	2.66	1.63	3.63	4.75
1-3/4	44-46	1010355	Bulk	934	1.13	5.75	2.75	3.06	2.92	1.81	3.81	5.24
2	48-52	1010373	Bulk	1300	1.25	6.44	3.00	3.38	3.03	2.00	4.44	5.88
2-1/4	56-58	1010391	Bulk	1600	1.25	7.13	3.19	3.88	3.19	2.00	4.56	6.38
2-1/2	62-65	1010417	Bulk	1900	1.25	7.69	3.44	4.13	3.69	2.00	4.69	6.63
2-3/4	68-72	1010435	Bulk	2300	1.25	8.31	3.56	4.38	4.88	2.00	5.00	6.88
3	75-78	1010453	Bulk	3100	1.50	9.19	3.88	4.75	4.44	2.38	5.31	7.61
3-1/2	85-90	1010426	Bulk	4000	1.50	10.75	4.50	5.50	6.00	2.38	6.19	8.38

CROSBY® FORGED WIRE ROPE CLIP

WARNINGS & APPLICATION INSTRUCTIONS

Efficiency ratings for wire rope end terminations are based upon the minimum breaking force of wire rope. The efficiency rating of a properly prepared loop or thimble-eye termination for clip sizes 1/8" through 7/8" is 80%, and for sizes 1" through 3-1/2" is 90%.

The number of clips shown (see Table 1) is based upon using RRL or RLL wire rope, 6 x 19 or 6 x 37 Class, FC or IWRC; IPS or XIP, XXIP. If Seale construction or similar large outer wire type construction in the 6 x 19 Class is to be used for sizes 1 inch and larger, add one additional clip. If a pulley (sheave) is used for turning back the wire rope, add one additional clip.

The number of clips shown also applies to rotation-resistant RRL wire rope, 8 x 19 Class, IPS, XIP, XXIP sizes 1-1/2 inch and smaller; and to rotation-resistant RRL wire rope, 19 x 7 Class, IPS, XIP, XXIP sizes 1-1/2 inch and smaller.

For other classes of wire rope not mentioned above, we recommend contacting Crosby Engineering at the address or telephone number on the back cover to ensure the desired efficiency rating.

The style of wire rope termination used for any application is the obligation of the user.

For OSHA (Construction) applications, see OSHA 1926.251.

1. Refer to Table 1 following these instructions. Turn back specified amount



Figure 1

of rope from thimble or loop. Apply first clip one base width from dead end of rope. Apply U-Bolt over dead end of wire rope – live end rests in saddle (Never saddle a dead horse!). Use torque wrench to tighten nuts evenly, alternate from one nut to the other until reaching the recommended torque. (See Figure 1)

2. When two clips are required, apply the second clip as near the loop or thimble as possible. Use torque wrench to tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn nuts on second clip firmly, but do not tighten. (See Figure 2)



Figure 2

3. When three or more clips are required, space additional clips equally between first two – take up rope slack – use torque wrench to tighten nuts on each clip evenly, alternating from one nut to the other until reaching recommended torque. (See Figure 3)



Figure 3

4. If a pulley (sheave) is used in place of a thimble, add one additional Fist Grip. Fist Grip spacing should be as shown.

(See Figure 4)

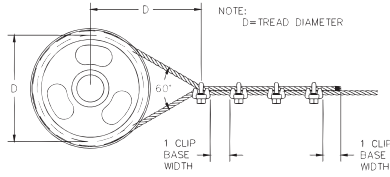


Figure 4

5. WIRE ROPE SPLICING PROCEDURES:

The preferred method of splicing two wire ropes together is to use inter-locking turnback eyes with thimbles, using the recommended number of clips on each eye



Figure 5

(See Figure 5).

An alternate method is to use twice the number of clips as used for a turnback termination. The rope ends are placed parallel to each other, overlapping by twice the turnback amount

shown in the application instructions. The minimum number of clips should be installed on each dead end (See Figure 6). Spacing, installation torque, and other instructions still apply.

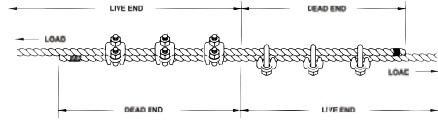


Figure 6

6. IMPORTANT

Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and use torque wrench to retighten nuts to recommended torque.

In accordance with good rigging and maintenance practices, the wire rope end termination should be inspected periodically for wear, abuse, and general adequacy.

Clip Size/Rope Size		Minimum No. of Clips	Amount of Rope to Turn Back in inches	* Torque in Ft. Lbs.
(in.)	(in.)			
1/8	1/8	2	3-1/4	4.5
3/16	3/16	2	3-3/4	7.5
1/4	1/4	2	4-3/4	15
5/16	5/16	2	5-1/4	30
3/8	3/8	2	6-1/2	45
7/16	7/16	2	7	65
1/2	1/2	3	11-1/2	65
9/16	9/16	3	12	95
5/8	5/8	3	12	95
3/4	3/4	4	18	130
7/8	7/8	4	19	225
1	1	5	26	225
1-1/8	1-1/8	6	34	225
1-1/4	1-1/4	7	44	360
1-3/8	1-3/8	7	44	360
1-1/2	1-1/2	8	54	360
1-5/8	1-5/8	8	58	430
1-3/4	1-3/4	8	61	590
2	2	8	71	750
2-1/4	2-1/4	8	73	750
2-1/2	2-1/2	9	84	750
2-3/4	2-3/4	10	100	750
3	3	10	106	1200
3-1/2	3-1/2	12	149	1200

If a pulley (sheave) is used for turning back the wire rope, add one additional clip. See Figure 4.

If a greater number of clips are used than shown in the table, the amount of turnback should be increased proportionately.

*The tightening torque values shown are based upon the threads being clean, dry, and free of lubrication.

SINGLE LEG WIRE ROPE SLINGS

Features

- Flemished eye splice
- Sizes available from 1/4" to 2"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size
- Specify leg length
- Specify end type

Wire Rope Sling Types

- **11-1-1** - Single leg wire rope sling with standard eyes on both ends
- **11-1-1C** - Single leg wire rope sling with standard eyes on both ends and sliding choker hook
- **11-1-2** - Single leg wire rope sling with standard eye on one end, thimble eye on other end
- **11-2-2** - Single leg wire rope sling with thimble eyes on both ends
- **11-1-3** - Single leg wire rope sling with standard eye on one end, thimble eye with alloy eye hook on other end
- **11-2-3** - Single leg wire rope sling with thimble eye on one end, thimble eye with alloy eye hook on other end
- **11-3-0** - Length of wire rope with thimble eye and alloy eye hook on one end
- **11-1-SB** - Single leg wire rope sling with standard eye on one end, swaged button on other end
- **11-9-3** - Single leg wire rope sling with thimble eye and oblong master link on one end, thimble eye and alloy eye hook on other end



Single Leg Wire Rope Slings

Wire Rope Diameter (in.)	Eye Size (in.)		Minimum Sling Length	IWRC EIPS 6x19 & 6x37 Class			Cable Laid 7x7x7 & 7x7x19 Class			Hidden Tuck Hand Splice		
	Eye Width	Eye Length		Vertical Capacity (Tons)	Choker Capacity (Tons)	Basket Capacity (Tons)	Vertical Capacity (Tons)	Choker Capacity (Tons)	Basket Capacity (Tons)	Vertical Capacity (Tons)	Choker Capacity (Tons)	Basket Capacity (Tons)
1/4	3	6	1' 6"	.65	.48	1.3	-	-	-	-	-	-
3/8	3	6	2'	1.4	1.1	2.9	1.1	.74	2.2	1.2	.94	2.4
1/2	4	8	2' 6"	2.5	1.9	5.1	1.9	1.3	3.7	2.0	1.6	4.0
5/8	5	10	3'	3.9	2.9	7.8	2.8	1.9	5.5	3.1	2.6	6.2
3/4	6	12	3' 6"	5.6	4.1	11	4.1	2.8	8.1	4.3	3.7	8.6
7/8	7	14	4'	7.6	5.6	15	5.4	3.7	11	-	-	-
1	8	16	4' 6"	9.8	7.2	20	6.9	4.7	14	-	-	-
1 1/8	9	18	5'	12	9.1	24	-	-	-	-	-	-
1 1/4	10	20	5' 6"	15	11	30	-	-	-	-	-	-
1 3/8	11	22	6'	18	13	36	-	-	-	-	-	-
1 1/2	12	24	7'	21	16	42	-	-	-	-	-	-
1 3/4	14	28	8'	28	21	57	-	-	-	-	-	-
2	16	32	9'	37	28	73	-	-	-	-	-	-



DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

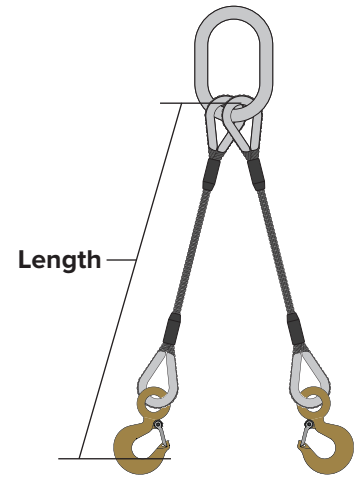
TWO LEG WIRE ROPE BRIDLE SLINGS

Features

- Flemished eye splice
- Sizes available from 1/4" to 2"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size
- Specify leg length
- Specify end fittings



Standard Two Leg Bridle Sling Types

- **12-9-3** - Two leg wire rope bridle sling with an oblong master link at the top, alloy eye hooks at the bottom
- **12-9-2** - Two leg wire rope bridle sling with an oblong master link at the top, thimble eyes at the bottom

12-9-3	12-9-2

Two Leg Wire Rope Bridle Slings

Wire Rope Diameter (in.)	Rated Capacity (Tons) (2000 lbs.)			Standard Hardware Included	
	60 Degrees	45 Degrees	30 Degrees	Alloy Master link (in.)	Eye Hooks
1/4	1.1	.91	.65	1/2	0.75 ton S-320C
3/8	2.5	2.0	1.4	1/2	1.5 ton S-320C
1/2	4.4	3.6	2.5	3/4	3 ton S-320C
5/8	6.8	5.5	3.9	1	5 ton S-320A
3/4	9.7	7.9	5.6	1-1/4	7 ton S-320A
7/8	13.0	11.0	7.6	1-3/8	11 ton S-320A
1	17.0	14.0	9.8	1-1/2	11 ton S-320A
1 1/8	21.0	17.0	12.0	1-1/2	15 ton S-320A
1 1/4	26.0	21.0	15.0	1-1/2	15 ton S-320A
1 3/8	31.0	25.0	18.0	1-3/4	22 ton S-320A
1 1/2	37.0	30.0	21.0	1-3/4	22 ton S-320A
1-3/4	49.0	40.0	28.0	2-1/2	30 ton S-320A
2	63.0	52.0	37.0	2-3/4	37 ton S-320A



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

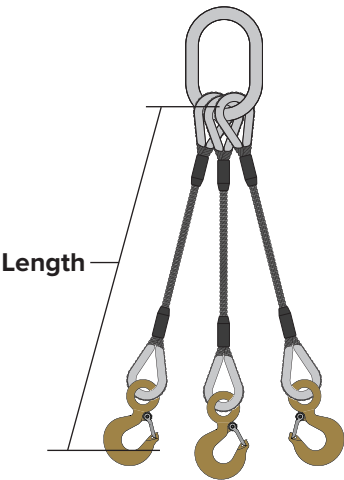
THREE LEG WIRE ROPE BRIDLE SLINGS

Features

- Flemished eye splice
- Sizes available from 1/4" to 2"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size
- Specify leg length
- Specify end fittings



Standard Three Leg Bridle Sling Types

- **13-9-3** - Three leg wire rope bridle sling with an oblong master link at the top, alloy eye hooks at the bottom
- **13-9-2** - Three leg wire rope bridle sling with an oblong master link at the top, thimble eyes at the bottom

13-9-3	13-9-2

Three Leg Wire Rope Bridle Slings

Wire Rope Diameter (in.)	Rated Capacity (Tons) (2000 lbs.)			Standard Hardware Included	
	60 Degrees	45 Degrees	30 Degrees	Alloy Master link (in.)	Eye Hooks
1/4	1.7	1.4	.97	3/4	0.75 ton S-320C
3/8	3.7	3.0	2.2	1	1.5 ton S-320C
1/2	6.6	5.4	3.8	1-1/4	3 ton S-320C
5/8	10.0	8.3	5.9	1-1/4	5 ton S-320A
3/4	15.0	12	8.4	1-1/2	7 ton S-320A
7/8	20.0	16	11	1-1/2	11 ton S-320A
1	26.0	21	15	1-3/4	11 ton S-320A
1 1/8	31.0	26	18	2	15 ton S-320A
1 1/4	38.0	31	22	2	15 ton S-320A
1 3/8	46.0	38	27	2-1/4	22 ton S-320A
1 1/2	55.0	45	32	2-1/2	22 ton S-320A
1-3/4	74	60	42	2-3/4	30 ton S-320A
2	95	78	55	3	37 ton S-320A

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

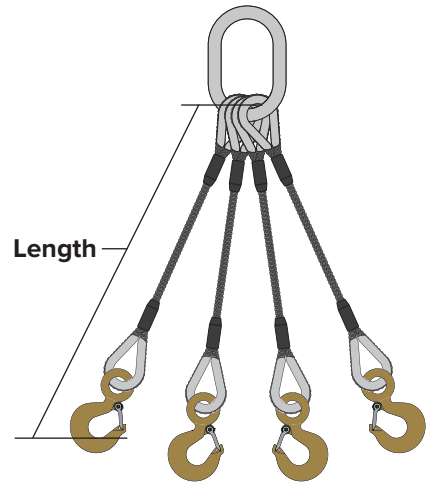
FOUR LEG WIRE ROPE BRIDLE SLINGS

Features

- Flemished eye splice
- Sizes available from 1/4" to 2"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size
- Specify leg length
- Specify end fittings



Standard Four Leg Bridle Sling Types

- **14-9-3** - Four leg wire rope bridle sling with an oblong master link at the top, alloy eye hooks at the bottom
- **14-9-2** - Four leg wire rope bridle sling with an oblong master link at the top, thimble eyes at the bottom

14-9-3	14-9-2

Four Leg Wire Rope Bridle Slings

Wire Rope Diameter (in.)	Rated Capacity (Tons) (2000 lbs.)			Standard Hardware Included	
	60 Degrees	45 Degrees	30 Degrees	Alloy Master link (in.)	Eye Hooks
1/4	2.2	1.8	1.3	3/4	0.75 ton S-320C
3/8	5.0	4.1	2.9	3/4	1.5 ton S-320C
1/2	8.8	7.1	5.1	1	3 ton S-320C
5/8	14.0	11.0	7.8	1-1/4	5 ton S-320A
3/4	19.0	16.0	11.0	1-1/2	7 ton S-320A
7/8	26.0	21.0	15.0	1-1/2	11 ton S-320A
1	34.0	28.0	20.0	1-3/4	11 ton S-320A
1 1/8	42.0	34.0	24.0	2	15 ton S-320A
1 1/4	51.0	42.0	30.0	2	15 ton S-320A
1 3/8	62.0	50.0	36.0	2-1/2	22 ton S-320A
1 1/2	73.0	60.0	42.0	2-3/4	22 ton S-320A
1-3/4	98.0	80.0	57.0	2-3/4	30 ton S-320A
2	127.0	104.0	73.0	4	37 ton S-320A



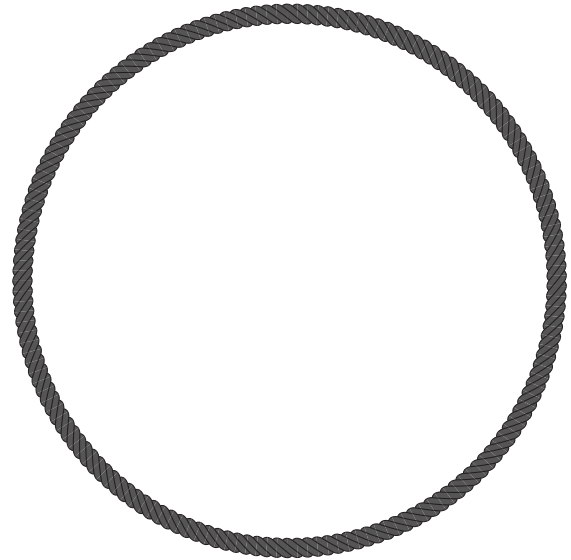
WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

WIRE ROPE GROMMETS

Features

- Hand tucked spliced continuous construction
- Sizes available from 1/4" to 2"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.



210 Strand Laid Hand Splice

Wire Rope Diameter (in.)	Minimum Sling Circumference (ft.)	Rated Capacity in Tons (2000 lbs.) *					
		Vertical Hitch	Choker Hitch	Basket Hitch Type			
				Vertical Basket	60 Degrees	45 Degrees	30 Degrees
1/4	2	0.94	0.66	1.9	1.6	1.3	0.94
5/16	3	1.5	1	2.9	2.5	2.1	1.5
3/8	3	2.1	1.5	4.2	3.6	3	2.1
7/16	4	2.8	2	5.7	4.9	4	2.8
1/2	4	3.7	2.6	7.3	6.4	5.2	3.7
9/16	5	4.6	3.2	9.3	8	6.6	4.6
5/8	5	5.7	4	11	9.9	8.1	5.7
3/4	6	8.2	5.7	16	14	12	8.2
7/8	7	11	7.7	22	19	16	11
1	8	14	10	29	25	20	14
1-1/8	9	18	12	35	31	25	18
1-1/4	10	21	15	43	37	30	21
1-3/8	11	25	18	51	44	36	25
1-1/2	12	30	21	60	52	42	30
1-3/4	14	40	28	79	69	56	40
2	16	50	35	101	87	71	50

- * Rated Capacities Basket Hitch and vertical lift based on D/d ratio of 5 when "d" = body diameter of the finished grommet.

- Rated Capacities based on pin diameter no smaller than 5 times the body diameter.

- Minimum circumference of the sling is 96 times the grommet's body diameter

- Rated Capacities based on design factor of 5.

- Horizontal sling angles of less than 30° shall not be used.



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

THREE PART BRAIDED SLINGS

Features

- Flemished eye splice
- Sizes available from 1/4” to 2”
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty stainless steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.
- Wrapped Eyes available upon request

How To Order

- Specify wire rope size
- Specify leg length



Three Part Braided Slings

Rope Diameter (in.)	Sling Diameter (in.)	Rated Capacity (Tons) (2000 lbs.)			Eye Dimensions (in.)	
		Vertical	Choker	Basket	Eye Width	Eye Length
1/4	1/2	1.7	1.3	3.4	2	4
5/16	5/8	2.6	1.9	5.2	3	6
3/8	3/4	3.6	2.7	7.2	4	8
7/16	7/8	4.9	3.7	9.8	5	10
1/2	1	6.4	4.8	12	6	12
9/16	1-1/8	8	6	16	7	14
5/8	1-1/4	9.9	7.4	19	8	16
3/4	1-1/2	14	10	28	10	20
7/8	1-3/4	19	14	38	12	24
1	2	24	18	49	14	28
1-1/8	2-1/4	31	23	62	16	32
1-1/4	2-1/2	38	28	76	18	36
1-3/8	2-3/4	46	34	92	20	40
1-1/2	3	55	41	110	22	44
1-3/4	3-1/2	73	54	146	26	52
2	4	95	71	190	28	56

**WARNING**

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

SIX-PART BRAIDED SLING

Features

- Sizes available from 1/4” to 1”
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size or capacity required for lift
- Specify leg length



Specifications

Wire Rope Diameter (in.)	Sling Diameter (in.)	Rated Capacity (Tons)*			Eye Dimensions (in.)	
		Vertical	Choker Hitch**	Basket Hitch	Eye Width	Eye Length
1/4	1-1/8	2.9	2.5	5.7	5	10
5/16	1-3/8	4.4	3.9	8.9	6	12
3/8	1	6.3	5.5	13	7	14
7/16	2	8.6	7.5	17	8	16
1/2	2-1/4	11	9.8	22	9	18
9/16	2-1/2	14	12	28	10	20
5/8	2-13/16	17	15	35	11	22
3/4	3-3/8	26	22	49	12	24
7/8	4	33	29	67	14	28
1	4-1/2	43	38	87	16	32

* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.
** See Choker Hitch Rated Capacity Adjustment in Union Wire Rope Sling Guide. Rated Capacities based on pin diameter no larger than natural eye width or less than thenominal sling diameter. Rated Capacities based on design factor of 5. Horizontal sling angles less than 30° shall not be used. All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.

**WARNING**

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

EIGHT-PART BRAIDED SLING

Features

- Sizes available from 1/4" to 1"
- 6x19 & 6x37 class bright EIPS IWRC wire rope
- Galvanized & stainless steel wire rope available upon request
- Heavy duty steel tag
- 5 to 1 design factor
- Proof testing available upon request
- Made in Hatfield, PA.

How To Order

- Specify wire rope size or capacity required for lift
- Specify leg length



Specifications

Wire Rope Diameter (in.)	Sling Diameter (in.)	Rated Capacity (Tons)*			Eye Dimensions (in.)	
		Vertical	Choker Hitch**	Basket Hitch	Eye Width	Eye Length
1/4	1-1/8	3.8	3.3	7.6	5	10
5/16	1-3/8	5.9	5.2	12	6	12
3/8	1-11/16	8.5	7.4	17	7	14
7/16	2	11	10	23	8	16
1/2	2-1/4	15	13	30	9	18
9/16	2-1/2	19	16	38	10	20
5/8	2-13/16	23	20	46	11	22
3/4	3-3/8	33	29	66	12	24
7/8	4	45	39	89	14	28
1	4-1/2	58	51	116	16	32

* Rated Capacities Basket Hitch based on D/d ratio of 25 times the component rope diameter.

** See Choker Hitch Rated Capacity Adjustment in Union Wire Rope Sling Guide. Rated Capacities based on pin diameter no larger than natural eye width or less than nominal sling diameter. Rated Capacities based on design factor of 5. Horizontal sling angles less than 30° shall not be used. All capacities in tons of 2,000 lbs. All eye and fitting dimensions in inches.



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

SWAGE SOCKET ASSEMBLIES

Features

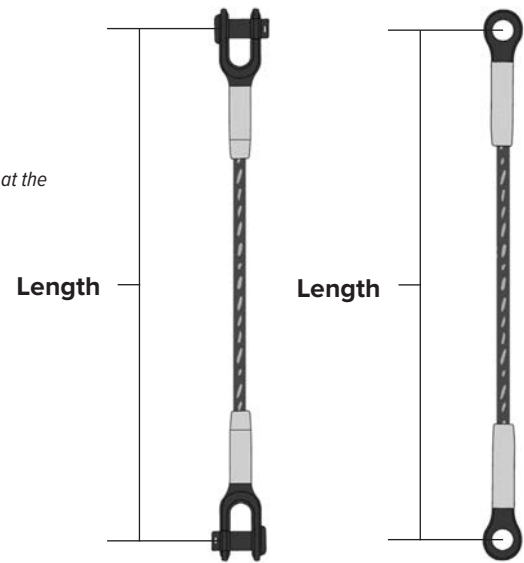
- 100% Termination Efficiency
- Sizes available from 1/4" to 1-1/4"
- Proof test to 2x its working load limit
- 5 to 1 design factor
- Made in Hatfield, PA.

How To Order

- Specify wire rope size
- Specify leg length (*please note: length is measured at the center of the pin and the center of the eye*)
- Specify end fittings
- Specify termination plane

Swage Socket Assembly Types

- **11-6-6SP** - Open sockets on each end, pins on the same plane
- **11-6-6OP** - Open sockets on each end, pins on opposite planes
- **11-6-7SP** - Open socket on one end, closed socket on other end, pins on the same plane
- **11-6-7OP** - Open socket on one end, closed socket on other end, pins on opposite planes
- **11-7-7SP** - Closed sockets on both ends, pins on the same plane
- **11-7-7OP** - Closed sockets on both ends, pins on the opposite planes



11-6-6SP (SAME PLANE)	11-6-6OP (OPPOSITE PLANE)
11-6-7SP (SAME PLANE)	11-6-7OP (OPPOSITE PLANE)
11-7-7SP (SAME PLANE)	11-7-7OP (OPPOSITE PLANE)

Swage Socket Assemblies

Wire Rope Diameter in Inches	Minimum Pendant Length	Vertical Capacity in Tons (2,000 lbs.)
1/4	11"	.68
5/16	1' 3"	1.1
3/8	1' 3"	1.5
7/16	1' 8"	2.0
1/2	1' 8"	2.7
9/16	2' 0"	3.4
5/8	2' 0"	4.1
3/4	2' 5"	5.9
7/8	2' 10"	8.0
1	3' 2"	10
1 1/8	3' 7"	13
1 1/4	4' 0"	16

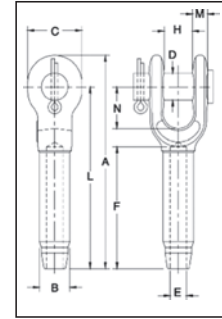


WARNING DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.



S-501 OPEN SWAGE SOCKETS

- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage Socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in Wire Rope End Terminations User's Manual).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper "After Swage" dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a **QUIC-CHECK**® and permanent visual inspection opportunity.
- Designed to quickly determine whether the socket has been through the swaging operation and assist in field inspections, it does not eliminate the need to perform standard production inspections which include gauging for the proper "After Swage" dimensions or proof loading.

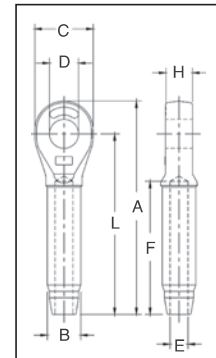


S-501 Stock No.	S-501B Stock No. †	Rope Size		Wt. Each (lbs.)	Ultimate Load** (t)	Before Swage Dimensions (in.)										Tolerance +/-	Max. After Swage Dim. (in.)
		(in.)	(mm)			A	B	C	D	E	F	H	L	M	N		
1039021	1054001	1/4	6	.52	5.4	4.78	.50	1.38	.69	.27	2.19	.69	4.00	.38	1.47	.06	.46
1039049	1054010	5/16	8	1.12	11.8	6.30	.78	1.62	.81	.34	3.25	.80	5.34	.48	1.67	.06	.71
1039067	1054029	3/8	9-10	1.30	13.6	6.30	.78	1.62	.81	.41	3.25	.80	5.34	.48	1.67	.06	.71
1039085	1054038	7/16	11-12	2.08	18.1	7.82	1.01	2.00	1.00	.49	4.31	1.00	6.69	.56	1.96	.06	.91
1039101	1054047	1/2	13	2.08	21.3	7.82	1.01	2.00	1.00	.55	4.31	1.00	6.69	.56	1.96	.06	.91
1039129	1054056	9/16	14	4.67	31.8	9.54	1.27	2.38	1.19	.61	5.38	1.25	8.13	.68	2.21	.06	1.16
1039147	1054065	5/8	16	4.51	34.9	9.54	1.27	2.38	1.19	.68	5.38	1.25	8.13	.68	2.21	.06	1.16
1039165	1054074	3/4	18-20	7.97	43.5	11.61	1.56	2.75	1.38	.80	6.44	1.50	10.00	.80	2.69	.06	1.42
1039183	1054083	7/8	22	11.52	51.5	13.37	1.72	3.13	1.63	.94	7.50	1.75	11.63	.94	3.20	.07	1.55
1039209	1054092	1	24-26	17.80	71.4	15.47	2.00	3.69	2.00	1.07	8.63	2.00	13.38	1.07	3.68	.08	1.80
1039227	1054104	1-1/8	28	25.25	83.3	17.35	2.25	4.12	2.25	1.19	9.63	2.25	15.00	1.19	4.18	.10	2.05
1039245	1054113	1-1/4	32	35.56	109	19.20	2.53	4.59	2.50	1.34	10.69	2.50	16.50	1.27	4.68	.10	2.30



S-502 CLOSED SWAGE SOCKETS

- Forged from special bar quality carbon steel, suitable for cold forming.
- Swage Socket terminations have an efficiency rating of 100% based on the catalog strength of wire rope.
- Hardness controlled by spheroidize annealing.
- Stamp for identification after swaging without concern for fractures (as per directions in Wire Rope End Terminations User's Manual).
- Swage sockets incorporate a reduced machined area of the shank which is equivalent to the proper "After Swage" dimension. Before swaging, this provides for an obvious visual difference in the shank diameter. After swaging, a uniform shank diameter is created allowing for a **QUIC-CHECK**® and permanent visual inspection opportunity.
- Designed to quickly determine whether the socket has been through the swaging operation and assist in field inspections, it does not eliminate the need to perform standard production inspections which include gauging for the proper "After Swage" dimensions or proof loading.



S-502 Stock No.	Rope Size		Wt. Each (lbs.)	Ultimate Load** (t)	Before Swage Dimensions (in.)								Max. After Swage Dim. (in.)
	(in.)	(mm)			A	B	C	D	E	F	H	L	
1039325	1/4	6	.33	5.4	4.28	.50	1.38	.76	.27	2.19	.50	3.50	.46
1039343	5/16	8	.75	11.8	5.42	.77	1.62	.88	.34	3.25	.68	4.50	.71
1039361	3/8	9-10	.72	13.6	5.42	.78	1.62	.88	.41	3.25	.68	4.50	.71
1039389	7/16	11-12	1.42	18.1	6.88	1.01	2.00	1.07	.49	4.31	.87	5.75	.91
1039405	1/2	13	1.42	21.3	6.88	1.01	2.00	1.07	.55	4.31	.87	5.75	.91
1039423	9/16	14	2.92	31.8	8.59	1.27	2.38	1.28	.61	5.38	1.14	7.25	1.16
1039441	5/8	16	2.85	34.9	8.59	1.27	2.38	1.28	.68	5.38	1.14	7.25	1.16
1039469	3/4	18-20	5.00	43.5	10.25	1.56	2.88	1.49	.80	6.44	1.33	8.63	1.42
1039487	7/8	22	6.80	51.5	11.87	1.72	3.12	1.73	.94	7.50	1.53	10.09	1.55
1039502	1	24-26	10.40	71.4	13.56	2.00	3.62	2.11	1.07	8.63	1.78	11.50	1.80
1039520	1-1/8	28	14.82	83.3	15.03	2.25	4.00	2.37	1.19	9.75	2.03	12.75	2.05
1039548	1-1/4	32	21.57	109	16.94	2.53	4.50	2.62	1.34	10.81	2.25	14.38	2.30

ROLL OFF CABLE ASSEMBLIES

Features

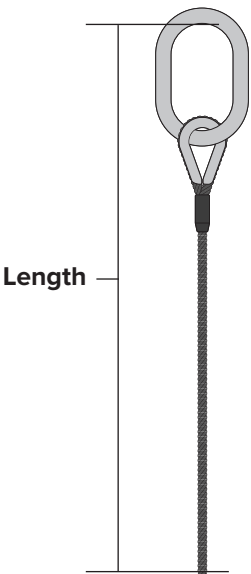
- Sizes available from 1/4" to 1-1/2"
- 6x25 or 6x37 IWRC EIPS wire rope
- Made in Hatfield, PA.
- Heavy duty stainless steel tag available upon request

How To Order

- Specify wire rope size (7/8" is standard)
- Specify Overall length
- Specify end fitting
- Specify button length and diameter

Cable Assembly Types

- **11-9-0** - Cable assembly with a thimble eye and master link on one end
- **11-8-0** - Cable assembly with a thimble eye and pear link on one end
- **11-CE-0** - Cable assembly with a swaged button and a roll-off hook on one end
- **11-SB-0** - Cable assembly with a swaged button on one end
- **11-SB-SB** - Cable assembly with swaged buttons on both ends



11-9-0	11-8-0	11-CE-0	11-SB-0	11-SB-SB

ROLL OFF CONTAINER STRAP

- To provide for compliance with DOT standard 49 CFR section 393.134, this hook is suitable for connecting to the bottom rails of a standard roll-on/roll-off waste container.
- Working Load Limit: 5,000 lbs./2270 kgs.
- Weight: 2.8 lbs., 1.3 kgs.



Stock Number	Working Load Limit	Length in Feet
1400-7700	5,000 lbs.	3" x 5'
1400-7600	5,000 lbs.	4" x 5'

ROLL OFF HOOK

- Heavy duty design
- Alloy steel for strength and durability
- For 7/8" wire rope
- 17,000 lb. working load limit
- 4.075" W x 12.27 L



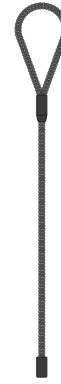
Stock Number	Working Load Limit	Dimensions
1400-7700	17,000 lbs.	4.075" W x 12.27 L

PIPE CARRIER LIFTING SLING

An efficient way to handle concrete water and sewer pipe

Pipe Carrier slings can be made to any length to fit the specific needs of your application. Each sling has a standard eye on one end and a button on the other end. Button Length can also be adjusted per your request.

Stock No.	Tea Cup Model Number	Wire Rope Diameter (in.)	Sling Length (ft.)
550-2980	PC-3/4 (F)	7/8	5
550-3400	PC-1 (F)	1-1/4	5
550-3430	PC-1 1/2 (F)	1-1/2	5

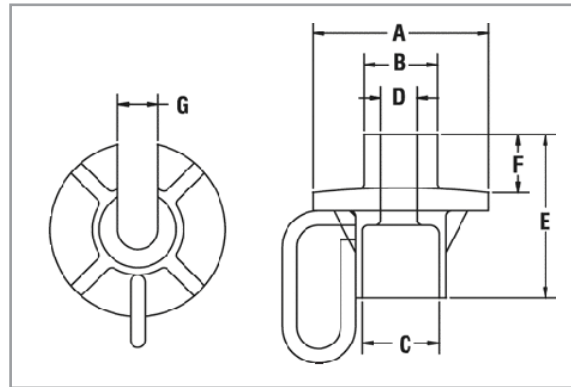


TEA CUP PIPE CARRIER

Light-weight and economical solution for handling large precast concrete pipes.

Features:

- An efficient way to handle concrete water and sewer pipes.
- The Caldwell "Tea Cup" Pipe Carrier will save you time and money.
- Three sizes available, to handle from 3/4" to 1-1/2" cable, and lift up to 18 tons.
- Optional "Spoon Handle" allows the PC-3/4 "Tea Cup" to be guided into small diameter pipes.
- Complies with ASME standards.



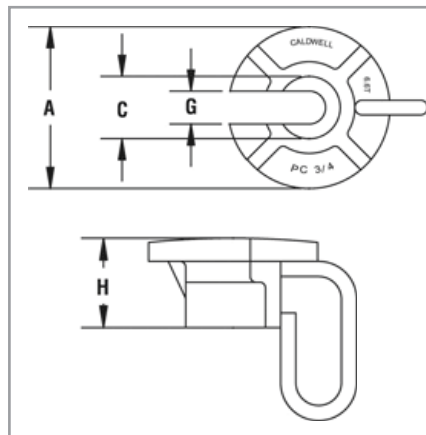
Stock Number	Model Number	Rope Diameter in Inches	Rated Capacity in Tons	A (in.)	B (in.)	C (in.)	D (in.)	E (in.)	F (in.)	G (in.)	Unit Weight in Pounds
400-3370	PC-3/4	7/8	6.6	5.56	2	2.13	1.13	4.75	1.75	1.13	9
400-3380	PC-1	1 1/4	13	6	2.50	2.63	1.38	5.75	1.75	1.38	12
400-3390	PC-1 1/2	1 1/2	18	8	3	3.25	1.63	7.63	2.75	1.63	22

LOW PROFILE TEA CUP PIPE CARRIER

Light-weight and economical solution for handling large precast concrete pipes.

Features:

- Low Profile design required only wire rope be inserted through pipe.
- An efficient way to handle concrete water and sewer pipes.
- The Caldwell "Tea Cup" Pipe Carrier will save you time and money.
- Three sizes available, to handle from 3/4" to 1-1/2" cable, and lift up to 18 tons.
- Optional "Spoon Handle" allows the PC-3/4 "Tea Cup" to be guided into small diameter pipes.
- Complies with ASME standards.



Stock Number	Model Number	Rope Diameter in Inches	Rated Capacity in Tons	A (in.)	C (in.)	H (in.)	G (in.)	Unit Weight in Pounds
400-3375	PC-3/4-F	7/8	6.6	5.56	2.13	3.44	1.13	9
400-3386	PC-1-F	1 1/4	13	6	2.63	4.38	1.38	12
400-3388	PC-1 1/2-F	1 1/2	18	8	3.25	5.13	1.63	22

GRADE 100 SINGLE LEG ALLOY CHAIN SLINGS

Features

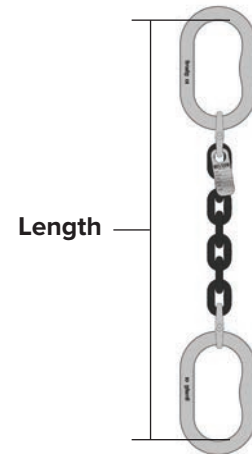
- Heavy duty stainless steel identification tag
- Sizes available from 9/32" to 1-1/4"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings

Standard Single Leg Sling Models

- **S00** - Single leg chain sling with oblong master links on each end
- **S0S** - Single leg chain sling with oblong master link on one end, clevis sling hook on other end
- **S0G** - Single leg chain sling with oblong master link on one end, clevis grab hook on other end
- **S0SL** - Single leg chain sling with oblong master link on one end, clevis self-locking hook on other end
- **SSS** - Single leg chain sling with clevis sling hooks on both ends
- **SGS** - Single leg chain sling with clevis sling hook on one end, clevis grab hook on other end
- **SGG** - Single leg chain sling with clevis grab hooks on both ends



S00	S0S	S0G	S0SL	S0F	SSS	SGS	SGG

Grade 100 Single Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)	Alloy Master Link Dimensions (in.)			
(in.)	(mm)			Size	Diameter	Inside Width	Inside Length
9/32	7.0	100	4,300	1/2W	0.62	2.80	5.00
3/8	10.0	100	8,800	3/4W	0.73	3.20	6.00
1/2	13.0	100	15,000	7/8W	0.88	3.75	6.38
5/8	16.0	100	22,600	1-1/4W	1.33	5.50	9.50
3/4	20.0	100	35,300	1-1/4W	1.33	5.50	9.50
7/8	22	100	42,700	1-3/4	1.75	6.00	12.00
1	26	100	59,700	1-3/4	1.75	6.00	12.00
1 1/4	32	100	90,400	2	2.00	7.00	14.00



WARNING DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

GRADE 100 DOUBLE LEG ALLOY CHAIN SLINGS

Features

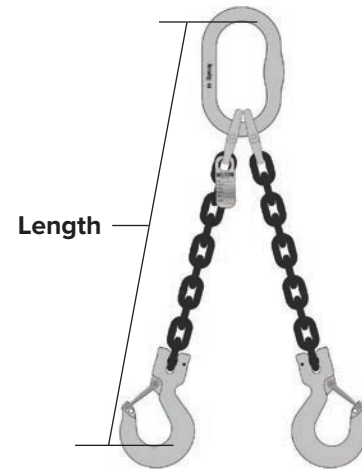
- Heavy duty stainless steel identification tag
- Sizes available from 9/32" to 1-1/4"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings

Standard Double Leg Sling Models

- **DOS** - Double leg chain sling with an oblong master link at the top, clevis sling hooks at the bottom
- **DOSL** - Double leg chain sling with an oblong master link at the top, clevis self-locking hooks at the bottom
- **DOG** - Double leg chain sling with an oblong master link at the top, clevis grab hooks at the bottom
- **DOSA** - Double leg chain sling with an oblong master link and grab hooks at the top for adjusting leg length, clevis sling hooks at the bottom
- **DOSB** - Double leg chain sling with an oblong master link, grab hooks and one foot of chain at the top for adjusting leg length, clevis sling hooks at the bottom
- **DOF** - Double leg chain sling with an oblong master link, clevis foundry hooks at the bottom (*not pictured below*)



DOS	DOSL	DOG	DOSA	DOSB

Grade 100 Double Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Alloy Master Link Dimensions (in.)			
(in.)	(mm)		60°	45°	30°	Size	Diameter	Inside Width	Inside Length
9/32	7.0	100	7,500	6,100	4,300	1/2W	0.62	2.80	5.00
3/8	10.0	100	15,200	12,400	8,800	7/8W	0.88	3.75	6.38
1/2	13.0	100	26,000	21,200	15,000	1W	1.10	4.30	7.50
5/8	16.0	100	39,000	32,000	22,600	1-1/4W	1.33	5.50	9.50
3/4	20.0	100	61,100	49,900	35,300	1-1/2W	1.61	5.90	10.50
7/8	22	100	74,000	60,400	42,700	1-3/4	1.75	6.00	12.00
1	26	100	103,400	84,400	59,700	2	2.00	7.00	14.00
1 1/4	32	100	156,600	127,800	90,400	2-1/2	2.5	8.38	16.00



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

GRADE 100 TRIPLE LEG ALLOY CHAIN SLINGS

Features

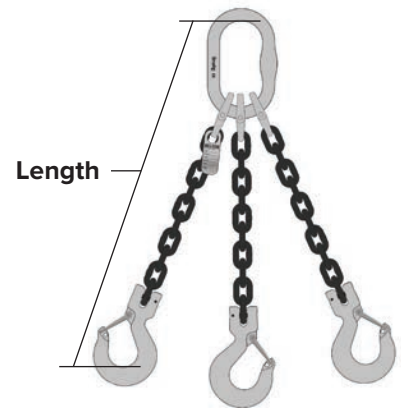
- Heavy duty steel identification tag
- Sizes available from 9/32" to 1-1/4"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings

Standard Triple Leg Sling Models

- **TOS** - Triple leg chain sling with an oblong master link at the top, clevis sling hooks at the bottom
- **TOSL** - Triple leg chain sling with an oblong master link at the top, clevis self-locking hooks at the bottom
- **TOG** - Triple leg chain sling with an oblong master link at the top, clevis grab hooks at the bottom
- **TOSA** - Double leg chain sling with an oblong master link and grab hooks at the top for adjusting leg length, clevis sling hooks at the bottom *(not pictured below)*
- **TOSB** - Double leg chain sling with an oblong master link, grab hooks and one foot of chain at the top for adjusting leg length, clevis sling hooks at the bottom *(not pictured below)*
- **TOF** - Triple leg chain sling with an oblong master link, clevis foundry hooks at the bottom *(not pictured below)*



TOS	TOSL	TOG

Grade 100 Triple Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Alloy Master Link Assembly Dimensions (in.)			
(in.)	(mm)		60°	45°	30°	Size	Diameter	Inside Width	Inside Length
9/32	7.0	100	11,200	9,100	6,450	3/4W	0.73	3.20	6.00
3/8	10.0	100	22,800	18,600	13,200	1W	1.10	4.30	7.50
1/2	13.0	100	39,000	31,800	22,500	1-1/4W	1.33	5.50	9.50
5/8	16.0	100	58,700	47,900	33,900	1-1/2W	1.61	5.90	10.50
3/4	20.0	100	91,700	74,900	53,000	1-3/4	1.75	6.00	12.00
7/8	22	100	110,900	90,600	64,000	2-1/4	2.25	8.00	16.00
1	26	100	155,100	126,000	89,550	2-1/4	2.25	8.00	16.00
1 1/4	32	100	234,900	191,700	135,600	3-1/4	3.25	10.00	20.00



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

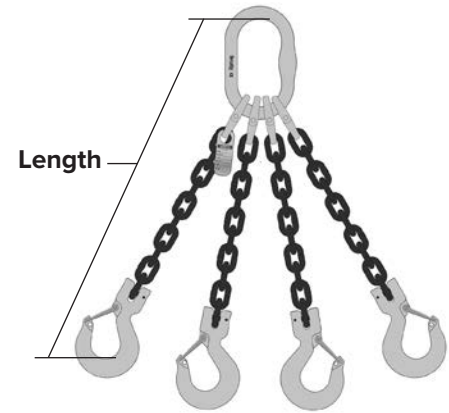
GRADE 100 QUADRUPLE LEG ALLOY CHAIN SLINGS

Features

- Heavy duty steel identification tag
- Sizes available from 9/32" to 1-1/4"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings



Standard Quadruple Leg Sling Models

- **QOS** - Quadruple leg chain sling with an oblong master link at the top, clevis sling hooks at the bottom
- **QOSL** - Quadruple leg chain sling with an oblong master link at the top, clevis self-locking hooks at the bottom
- **QOG** - Quadruple leg chain sling with an oblong master link at the top, clevis grab hooks at the bottom
- **QOSA** - Quadruple leg chain sling with an oblong master link and grab hooks at the top for adjusting leg length, clevis sling hooks at the bottom (*not pictured below*)
- **QOSB** - Quadruple leg chain sling with an oblong master link, grab hooks and one foot of chain at the top for adjusting leg length, clevis sling hooks at the bottom (*not pictured below*)
- **QOF** - Quadruple leg chain sling with an oblong master link, clevis foundry hooks at the bottom (*not pictured below*)



Grade 100 Quadruple Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Alloy Master Link Assembly Dimensions (in.)			
(in.)	(mm)		60°	45°	30°	Size	Diameter	Inside Width	Inside Length
9/32	7.0	100	11,200	9,100	6,450	3/4W	0.73	3.20	6.00
3/8	10.0	100	22,800	18,600	13,200	1W	1.10	4.30	7.50
1/2	13.0	100	39,000	31,800	22,500	1-1/4W	1.33	5.50	9.50
5/8	16.0	100	58,700	47,900	33,900	1-1/2W	1.61	5.90	10.50
3/4	20.0	100	91,700	74,900	53,000	1-3/4	1.75	6.00	12.00
7/8	22	100	110,900	90,600	64,000	2-1/4	2.25	8.00	16.00
1	26	100	155,100	126,000	89,550	2-1/4	2.25	8.00	16.00
1 1/4	32	100	234,900	191,700	135,600	3-1/4	3.25	10.00	20.00



WARNING DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

GRADE 100 GRABIQ SINGLE LEG ALLOY CHAIN SLINGS

Features

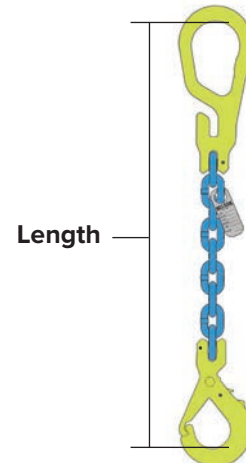
- Heavy duty stainless steel identification tag
- Sizes available from 5/16" to 5/8"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings

Standard Single Leg Sling Models

- **MG-GBK** - Single leg chain sling with a master grab link at the top, clevis self locking grip hook at the bottom
- **MG-EKGN** - Single leg chain sling with a master grab link at the top, clevis self sling hook at the bottom
- **MG-LKBK** - Single leg chain sling with a master grab link at the top, swivel hook with bearing at the bottom
- **TG1-GBK** - Single leg chain sling with master link and C-Grab at the top, clevis self locking grip hook at the bottom
- **TL1-GBK** - Single leg chain sling with master link and C-Lok at the top, clevis self locking grip hook at the bottom
- **TL1X-GBK** - Single leg chain sling with oversized master link and C-Lok at the top, clevis self locking grip hook at the bottom



MG-GBK	MG-EKGN	MG-LKBK	TG1-GBK	TL1-GBK	TL1X-GBK
					

Grade 100 GrabIQ Single Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)	Dimesions (in.)								
(in.)	(mm)			Master Grab (MG)			Oblong Master Link (MF)			MFX Oversized Master Link (MFX)		
				Diameter	Inside Width	Inside Length	Diameter	Inside Width	Inside Length	Diameter	Inside Width	Inside Length
5/16"	8.00	100	5,700	0.71	2.4	3.6	0.55	2.8	4.9	1.0	7.1	13.4
3/8	10.0	100	8,800	0.87	3.0	4.4	0.67	3.1	5.5	1.0	7.1	13.4
1/2	13.0	100	15,000	1.0	3.5	5.4	0.87	3.7	6.3	1.1	7.1	13.4
5/8	16.0	100	22,600	1.2	4.1	6.2	1.1	4.3	7.5	1.3	7.1	13.4



DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

GRADE 100 GRABIQ DOUBLE LEG ALLOY CHAIN SLINGS

Features

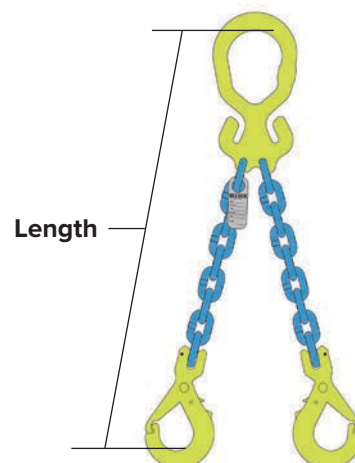
- Heavy duty stainless steel identification tag
- Sizes available from 5/16" to 5/8"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings

Standard Double Leg Sling Models

- **MGD-EGKN** - Double leg chain sling with a master grab link at the top, clevis sling hooks at the bottom
- **MGD-GBK** - Double leg chain sling with a master grab link at the top, clevis self locking grip hooks at the bottom
- **MGD-GC** - Double leg chain sling with a master grab link at the top, clevis grab hooks at the bottom
- **TG2-GBK** - Double leg chain sling with an oblong master link and dual C-Grab at the top, clevis self locking grip hooks at the bottom
- **TG2X-GBK** - Double leg chain sling with an oversized oblong master link and dual C-Grab at the top, clevis self locking grip hooks at the bottom



MGD-EGKN	MGD-GBK	MGD-GC	TG2-GBK	TG2X-GBK

Grade 100 GrabIQ Double Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Dimesions (in.)								
(in.)	(mm)					Master Grab Dual (MGD)			Oblong Master Link (MF)			Oversized Master Link (MFX)		
			60°	45°	30°	Dia.	Inside Width	Inside Length	Dia.	Inside Width	Inside Length	Dia.	Inside Width	Inside Length
5/16"	8.00	100	9,900	8,100	5,700	0.83	3.0	3.9	0.67	3.1	5.5	1.0	7.1	13.4
3/8	10.0	100	15,200	12,400	8,800	0.94	3.5	4.9	0.87	3.7	6.3	1.1	7.1	13.4
1/2	13.0	100	26,000	21,200	15,000	1.2	4.1	5.9	1.1	4.3	7.5	1.3	7.1	13.4
5/8	16.0	100	39,000	32,000	22,600	1.4	4.7	6.9	1.3	5.5	9.4	1.5	7.1	13.4



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

GRADE 100 GRABIQ TRIPLE LEG ALLOY CHAIN SLINGS

Features

- Heavy duty steel identification tag
- Sizes available from 5/16" to 5/8"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings



Standard Triple Leg Sling Models

- **TG3-GBK** - Triple leg chain sling with an oblong master link, dual C-Grab, and C-Grab at the top, clevis self-locking grip hooks at the bottom
- **TG3-EGKN** - Triple leg chain sling with an oblong master link, dual C-Grab, and C-Grab at the top, clevis sling hooks at the bottom
- **TG3H-GBK** - Triple leg chain sling with an oversized oblong master link, dual C-Grab, and C-Grab at the top, clevis self-locking grip hooks at the bottom

TG3-GBK	TG3-EGKN	TG3H-GBK

Grade 100 GrabIQ Triple Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Dimesions (in.)					
(in.)	(mm)					60°			45°		
			Oblong Master Link (MF)								
			Diameter	Inside Width	Inside Length	Diameter	Inside Width	Inside Length			
5/16"	8.00	100	14,800	12,100	8,500	0.87	3.7	6.3	0.9	4.9	9.1
3/8	10.0	100	22,800	18,600	13,200	1.1	4.3	7.5	1.1	5.3	9.8
1/2	13.0	100	39,000	31,800	22,500	1.3	5.5	9.4	1.3	5.3	11.0
5/8	16.0	100	58,700	47,900	33,900	1.6	5.9	9.8	1.6	6.9	12.6



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

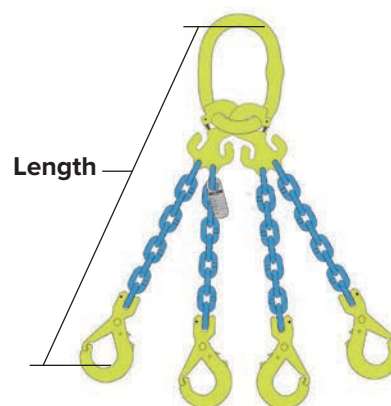
GRADE 100 GRABIQ QUADRUPLE LEG ALLOY CHAIN SLINGS

Features

- Heavy duty steel identification tag
- Sizes available from 5/16" to 5/8"
- Every chain sling is proof test to 2x its working load limit
- Latches included with all sling hooks
- 4 to 1 safety factor
- Made in Hatfield, PA.

How To Order

- Specify chain size
- Specify leg length (bearing point to bearing point)
- Specify end fittings



Standard Quadruple Leg Sling Models

- **TG4-GBK** - Quadruple leg chain sling with an oblong master link and dual C-Grabs at the top, clevis self-locking grip hooks at the bottom
- **TG4-EGKN** - Quadruple leg chain sling with an oblong master link and dual C-Grabs at the top, clevis sling hooks at the bottom
- **TG4H-EGKN** - Quadruple leg chain sling with an oversized oblong master link and dual C-Grabs at the top, clevis sling hooks at the bottom

TG4-GBK	TG4-EGKN	TG4H-EGKN

Grade 100 GrabIQ Quadruple Leg Alloy Chain Slings

Chain Size		Chain Grade	Rated Capacity (lbs.)			Dimesions (in.)					
(in.)	(mm)					Oblong Master Link (MF)			Oversized Master Link (MFH)		
			60°	45°	30°	Diameter	Inside Width	Inside Length	Diameter	Inside Width	Inside Length
5/16"	8.00	100	14,800	12,100	8,500	0.87	3.7	6.3	0.9	4.9	9.1
3/8	10.0	100	22,800	18,600	13,200	1.1	4.3	7.5	1.1	5.3	9.8
1/2	13.0	100	39,000	31,800	22,500	1.3	5.5	9.4	1.3	5.3	11.0
5/8	16.0	100	58,700	47,900	33,900	1.6	5.9	9.8	1.6	6.9	12.6



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

EYE & EYE WEB SLINGS



Eye & Eye “EE” Web slings are made with a loop, or eye, on each end of the body. Eyes vary depending on the application but may be ordered as follows:

TYPE III

“EE” Web sling made with a flat loop eye on each end with loop eye opening on same plane as the sling body. This type of sling is sometimes called: flat eye & eye; eye & eye or double eye sling. Versatile and flexible, this sling can be used in all three hitches (vertical, basket and choker).

TYPE IV

“TE” Web sling made with a loop eye on each end that is at a right angle to the plane of the sling body. This type of sling is commonly referred to as a “twisted eye” sling. This sling is suitable for all hitches, but is recommended particularly for choker hitch application.



Wear pad in eyes for extra protection
come standard on all EE92 Slings

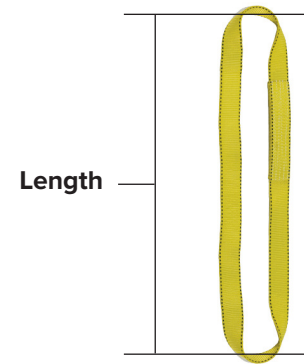
# of Plys	Part No.	Web Width (Inches)	Rated Capacity (lbs.)			Eye Dimensions (inches)		Min. Standard Length (ft)	Approximate Sling Weight (lbs.)	
			Vertical	Choke	Basket	Width	Length		Base	Adder/ft.
1	EE191	1	1,600	1,250	3,200	1	9	3	.40	.06
	EE192	2	3,200	2,500	6,400	2	9	4	.90	.12
	EE193	3	4,800	3,800	9,600	1-1/2	9	4	1.40	.18
	EE194	4	6,400	5,000	12,800	2	12	4	1.90	.24
	EE196	6	9,300	7,440	18,600	2	14	5	3.40	.36
2	EE291	1	3,200	2,500	6,400	1	9	3	.40	.13
	EE292	2	6,400	5,000	12,800	2	9	3	.90	.25
	EE293	3	9,300	7,440	18,600	1-1/2	12	4	1.70	.38
	EE294	4	11,500	9,200	23,000	2	12	4	2.30	.50
	EE296	6	16,500	13,200	33,000	2	14	6	4.90	.76
3	EE391	1	4,100	3,280	8,200	1	12	4	1.0	.20
	EE392	2	8,300	6,640	16,600	2	12	4	2.10	.40
	EE393	3	12,500	10,000	25,000	1-1/2	18	5	3.70	.59
	EE394	4	16,000	12,800	32,000	2	18	5	5.00	.79
	EE396	6	23,000	18,400	46,000	3	20	5	7.60	1.2
4	EE491	1	6,200	4,960	12,400	1	12	4	1.10	.26
	EE492	2	12,400	9,920	24,800	2	12	4	2.20	.53
	EE493	3	17,000	13,600	34,000	1-1/2	18	5	4.10	.79
	EE494	4	22,000	17,600	44,000	2	18	5	5.50	1.1
	EE496	6	33,000	26,400	66,000	3	20	5	8.30	1.6



DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

ENDLESS WEB SLINGS

“EN” Web slings are a continuous loop formed by joining ends of the webbing together with a loadbearing splice. They are extremely versatile as the design allows for rotation of bearing points, avoiding one constant bearing point and thereby increasing useful life. They are suitable for use with all three hitches: vertical, basket and choker.



# of Plys	Part No.	Web Width (Inches)	Rated Capacity (lbs.)			Min. Standard Length (ft)	Approximate Sling Weight (lbs.)	
			Vertical	Choke	Basket		Base	Adder/ft.
1	EN191	1	3,200	2,500	6,400	3	.40	
	EN192	2	6,400	5,000	12,800	3	.80	
	EN193	3	8,600	6,900	17,200	3	1.30	
	EN194	4	11,500	9,200	23,000	3	1.70	
	EN196	6	16,300	13,000	32,600	3	2.50	
2	EN291	1	6,200	4,900	12,400	3	.80	
	EN292	2	12,200	9,800	24,400	3	1.60	
	EN293	3	16,300	13,000	32,600	3	2.50	
	EN294	4	20,700	16,500	41,400	3	3.30	
	EN296	6	28,600	23,000	57,200	3	4.90	
3	EN391	1	8,000	6,400	16,000	3	1.20	
	EN392	2	16,000	12,800	32,000	3	2.40	
	EN393	3	21,500	17,200	43,000	3	3.60	
	EN394	4	28,700	23,000	57,400	3	4.80	
	EN396	6	40,700	32,500	81,400	3	7.20	
4	EN491	1	10,000	8,000	20,000	3	1.60	
	EN492	2	19,800	15,800	39,600	3	3.20	
	EN493	3	26,700	21,300	53,400	3	4.90	
	EN494	4	35,600	28,400	71,200	3	6.50	
	EN496	6	50,500	40,400	101,000	3		



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.



REVERSED EYE WEB SLINGS

The Workhorse of all web slings. When application is continuous or abusive, Reversed Eye Slings will outlive all other sling types. Type “RE” slings have wear pads on both sides of the body and eyes.

TYPE VI

Reversed Eye “RE” (return eye) slings are formed by using multiple widths of webbing held edge to edge. A wear pad is attached on both sides of the web sling body, and on both sides of the loop eyes to form a loop eye at each end, which is at a right angle to the plane of the web sling body. The Reversed Eye sling can be used with all three hitch types (vertical, basket, choker), but is particularly well suited to the choker hitch due to the “twisted eye.”

# of Pls	Part No.	Web Width (Inches)	Rated Capacity (lbs.)			Eye Dimensions (inches)		Min. Standard Length (ft)
			Vertical	Choke	Basket	Width	Length	
1	RE1-902	2	4,600	3,680	9,200	1	9	3
	RE1-903	3	6,900	5,520	13,800	1-1/2	12	4
	RE1-904	4	8,600	6,880	17,200	1	12	4
	RE1-906	6	12,000	9,600	24,000	1-1/2	14	6
2	RE2-902	2	7,700	6,160	15,400	1	12	3
	RE2-903	3	11,600	9,280	23,200	1-1/2	12	4
	RE2-904	4	14,500	11,600	29,000	2	18	6
	RE2-906	6	17,400	13,920	34,800	1-1/2	18	6

TRIANGLE CHOKER WEB SLINGS



TYPE I

Choker Hardware (CH) slings are made with a triangle fitting on one end and a slotted triangle choker fitting on the other end. The CH configuration provides the most efficient and effective method of choke hitching of all sling types and configurations. This sling type can also be used in a vertical and basket hitch. Fittings can be of aluminum or alloy steel.



# of Pls	Part Number	Web Width (Inches)	Rated Capacity (lbs.)			Min. Standard Length (ft)
			Vertical	Choke	Basket	
1	TC1-902	2	3,200	2,500	6,400	3
	TC1-903	3	4,800	3,800	9,600	3
	TC1-904	4	6,400	5,000	12,800	3
	TC1-906	6	9,600	7,600	19,200	3
2	TC2-902	2	6,400	5,000	12,800	3
	TC2-903	3	8,900	7,200	17,800	3
	TC2-904	4	12,000	9,600	24,000	3
	TC2-906	6	17,000	13,000	34,000	3

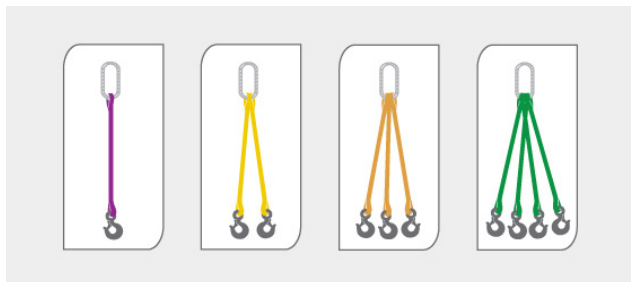


WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

WEB BRIDLE SLINGS

Choker Hardware (CH) slings are made with a triangle fitting on one end and a slotted triangle choker fitting on the other end. The CH configuration provides the most efficient and effective method of choke hitching of all sling types and configurations. This sling type can also be used in a vertical and basket hitch. Fittings can be of aluminum or alloy steel.



Single Leg Web Bridle Slings

Part Number	Top Fitting	Bottom Fitting	Capacity (lbs)
SOS-EE191	Oblong Master Link	Eye Sling Hook	1600
SOO-EE191	Oblong Master Link	Oblong Master Link	1600
SSS-EE191	Eye Sling Hook	Eye Sling Hook	1600
SOS-EE291	Oblong Master Link	Eye Sling Hook	3200
SOO-EE291	Oblong Master Link	Oblong Master Link	3200
SSS-EE291	Eye Sling Hook	Eye Sling Hook	3200
SOS-EE292	Oblong Master Link	Eye Sling Hook	6400
SOO-EE292	Oblong Master Link	Oblong Master Link	6400
SSS-EE292	Eye Sling Hook	Eye Sling Hook	6400

Double Leg Web Bridle Slings

Part Number	Top Fitting	Bottom Fittings	Capacity in lbs. at Horizontal Angle		
			60	45	30
DOS-EE191	Oblong Master Link	Eye Sling Hooks	2770	2260	1600
DOO-EE191	Oblong Master Link	Oblong Master Links	2770	2260	1600
DOS-EE291	Oblong Master Link	Eye Sling Hooks	5540	4520	3200
DOO-EE291	Oblong Master Link	Oblong Master Links	5540	4520	3200
DOS-EE292	Oblong Master Link	Eye Sling Hooks	11090	9050	6400
DOO-EE292	Oblong Master Link	Oblong Master Links	11090	9050	6400

Quadruple Leg Web Bridle Slings

Part Number	Top Fitting	Bottom Fittings	Capacity in lbs. at Horizontal Angle		
			60	45	30
QOS-EE191	Oblong Master Link	Eye Sling Hooks	5540	4520	3200
QOO-EE191	Oblong Master Link	Oblong Master Links	5540	4520	3200
QOS-EE291	Oblong Master Link	Eye Sling Hooks	11090	9050	6400
QOO-EE291	Oblong Master Link	Oblong Master Links	11090	9050	6400
QOS-EE292	Oblong Master Link	Eye Sling Hooks	22180	18100	12800
QOO-EE292	Oblong Master Link	Oblong Master Links	22180	18100	12800



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.



ENDLESS ROUND SLINGS

Round Slings offer the user the ultimate in lifting security and rigging ease. Round Slings are constructed from a continuous loop of 100% polyester fiber. Each Round Sling is covered with a double polyester woven jacket to protect the load-bearing fibers from damage. Because the load-bearing fibers never come in contact with the load, they are protected from cuts, abrasions and ultraviolet degradation. Each sling has a tough, resilient tag for quick and easy identification.

ADVANTAGES:

- Reduce cost with less total rigging weight
- Easy handling and storage
- Reduce risk of back and hand injuries
- Cover abrasion will not reduce capacity
- Provides a strong grip on loads
- Provides a tighter choke with an easier release
- Capacities are color coded

Size	Part Number	Sling Color	Vertical Capacity (lbs.)	Choker Capacity (lbs.)	Basket Capacity (lbs.)	Minimum Length (ft.)	Approx Weight (lbs/ft.)	Approx. Body Dia. Relaxed (in.)	Approx. Width At Load (in.)
1	E30	Purple	2,600	2,100	5,200	1.5	0.3	.50	1.68
2	E60	Green	5,300	4,200	10,600	1.5	0.4	.80	1.82
3	E90	Yellow	8,400	6,700	16,800	2.0	0.5	1.10	2.04
4	E120	Tan	10,600	8,500	21,200	3.0	0.6	1.10	2.10
5	E150	Red	13,200	10,600	26,400	3.0	0.8	1.32	2.50
6	E180	White	16,800	13,400	33,600	3.0	1.0	1.65	3.2
7	E240	Blue	21,200	17,000	42,400	3.0	1.2	1.72	3.13
8	E300	Orange	25,000	20,000	50,000	3.0	1.6	1.90	3.00
9	E360	Grey	31,000	24,800	62,000	3.0	2.0	2.15	3.50
10	E480	Maroon	40,000	32,000	80,000	8.0	2.5	2.20	3.21
11	E600	Brown	53,000	42,400	106,000	8.0	3.2	2.75	4.62
12	E800	Olive	66,000	52,800	132,000	8.0	3.7	3.12	5.25
13	E1000	Black	90,000	72,000	180,000	8.0	4.2	3.62	6.00



WARNING

DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.

MAGNUM FORCE ROUND SLINGS

Magnum Force® Roundslings for Heavy Duty High Capacity Performance

- Up to 50% lighter than conventional round slings for even better manual handling
- Up to 50% slimmer than conventional round slings
- Can be laid against tighter edge radii than conventional PES slings
- Shackle and hardware interface is therefore less crowded
- Variable load bearing point for more even wear
- Ideal for choke lifting cylindrical objects without creasing
- Less creasing means less wear
- Lifts smooth objects without damage
- High strength to weight ratio
- Reinforced high performance woven cover
- WLL data woven into sleeve for unmistakable capacity identification
- Wide range of capacities from 10,000 to 600,000 lbs (and larger upon request)
- Available in lengths up to 98 ft
- Round Slings are repairable upon manufacturers inspection



Compact

The innovative construction with a high performance polyester fiber and a compact protective cover partially woven with the same material make the Magnum Force Roundsling up to 50% slimmer than comparable roundslings with the same load bearing capacity. At the same time, it produces greater stiffness within the sling along both axis. The roundsling is not bunched even in smaller crane hooks and attachment points and it is easy to suspend the sling overhead.

Wear Resistant

Outer protective cover is reinforced with an extremely abrasion and tear resistant high performance polyester. In addition, the special design reduces the formation of bunching at the attachment point, which again significantly improves the wear behavior. Magnum Force Roundsling exhibits the greatest reliability and longest durability even under the harshest operating conditions – an economic factor you can count on.

Resilient

The new, high performance fiber has a significantly greater capacity. Consequently, less material is needed in the fabric, which makes the Magnum Force Roundsling up to 50% lighter than conventional roundslings. With the same load capacity, this high performance roundsling can be laid against tighter edge radii than conventional polyester slings. Work becomes more efficient, quicker and safer.

Compliant

Magnum Force inner load bearing core is made from the same material as the outer sleeve. This is to ensure any chemical damage indications are consistent with both inner and outer materials. ASME B30.9-2014

Identifiable

The Magnum Force has an extra sleeve with a raised, woven-in load capacity indicator- a safety feature that has proved to be a success. The load capacity is clearly identifiable even from a distance in the dirtiest conditions. Confusing the roundslings is therefore effectively avoided, protecting people and material from accidents.

Part Number	Vertical Capacity (lbs.)	Choker Capacity (lbs.)	Basket Capacity (lbs.) 90°	Basket Capacity (lbs.) 60°	Basket Capacity (lbs.) 45°	Approx Diameter (in.)	Approx Weight per foot (lbs.)
RCHPE20	20,000	16,000	40,000	34,640	28,280	1.85	0.6
RCHPE30	30,000	24,000	60,000	51,960	42,420	2.2	.85
RCHPE40	40,000	32,000	80,000	69,280	56,560	2.70	1.0
RCHPE50	50,000	40,000	100,000	86,600	70,700	2.80	1.15
RCHPE60	60,000	48,000	120,000	103,920	84,840	3	1.30
RCHPE80	80,000	64,000	160,000	138,560	113,120	3.70	1.60
RCHPE100	100,000	80,000	200,000	173,200	141,400	4	1.8
RCHPE125	125,000	100,000	250,000	216,500	176,750	5.10	2.5
RCHPE150	150,000	120,000	300,000	259,800	212,100	6.80	3.3
RCHPE200	200,000	160,000	400,000	346,400	282,800	8	5.25
RCHPE250	250,000	200,000	500,000	433,000	353,500	9.10	5.85
RCHPE300	300,000	240,000	600,000	519,600	424,200	10.55	7.0



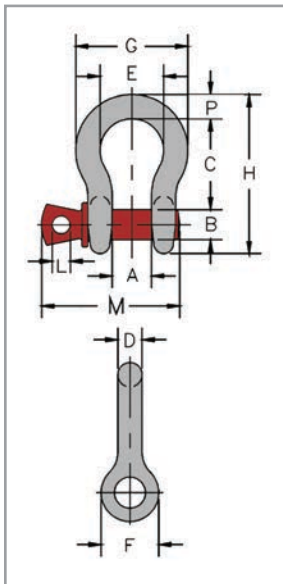
DO NOT EXCEED RATED CAPACITY OR ANGLE UPON WHICH IT IS BASED. A FALLING LOAD MAY CAUSE SERIOUS INJURY OR DEATH. INSPECT SLING FOR DAMAGE BEFORE EACH USE.



G-209 SCREW PIN ANCHOR SHACKLES



- Capacities 1/3 thru 55 metric tons, grade 6.
- Forged - Quenched and Tempered, with alloy pins.
- Working Load Limit and grade "6" permanently shown on every shackle.
- Hot Dip galvanized or self colored.
- Fatigue rated.
- Shackles 25t and larger are RFID EQUIPPED.
- Shackles can be furnished proof tested with certificates to designated standards, such as ABS, DNV, Lloyds, or other certification. Proof testing and certification available when requested at the time of order, charges will apply.
- Approved for use at -40 degrees C (-40 degrees F) to 204 degrees C (400 degrees F).
- 3.25t through 25t G209 anchor shackles are type approved to DNV Certification Notes 2.7-1-Offshore Containers. These shackles are statistical proof and impact tested to 42 joules (31 ft-lbs.) min. avg. at -20 degrees C (-4 degrees F). The tests are conducted by Crosby and 3.1 test certification is available upon request.
- All other 209 and all 210 shackles can meet charpy requirements of 42 joules(31 ft-lbs) avg. at -20 degrees C (-4 degrees F) upon special request.
- Meets or exceeds all requirements of ASME B30.26.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11-17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.
- Crosby 3.25t through 25t G209 anchor shackles are type approved to DNV Certification Notes 2.7-1-Offshore Containers. These Crosby shackles are statistical proof and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



Nominal Size (in.)	Working Load Limit (t)*	Stock No.			Weight Each (lbs.)	Dimensions (in.)													Tolerance + / -	
		G-209	S-209	G-209OC		A	B	C	D	E	F	G	H	L	M	P	C	A		
3/16	1/3	1018357	—	—	.06	.38	.25	.88	.19	.60	.56	.98	1.47	.16	1.14	.19	.06	.06		
1/4	1/2	1018375	1018384	—	.10	.47	.31	1.13	.25	.78	.61	1.28	1.84	.19	1.43	.25	.06	.06		
5/16	3/4	1018393	1018400	—	.18	.53	.38	1.22	.31	.84	.75	1.47	2.09	.22	1.71	.31	.06	.06		
3/8	1	1018419	1018428	—	.31	.66	.44	1.44	.38	1.03	.91	1.78	2.49	.25	2.02	.38	.13	.06		
7/16	1-1/2	1018437	1018446	—	.38	.75	.50	1.69	.44	1.16	1.06	2.03	2.91	.31	2.37	.44	.13	.06		
1/2	2	1018455	1018464	—	.72	.81	.63	1.88	.50	1.31	1.19	2.31	3.28	.38	2.69	.50	.13	.06		
5/8	3-1/4	1018473	1018482	1262219	1.37	1.06	.75	2.38	.63	1.69	1.50	2.94	4.19	.44	3.34	.69	.13	.06		
3/4	4-3/4	1018491	1018507	1262228	2.35	1.25	.88	2.81	.75	2.00	1.81	3.50	4.97	.50	3.97	.81	.25	.06		
7/8	6-1/2	1018516	1018525	1262237	3.62	1.44	1.00	3.31	.88	2.28	2.09	4.03	5.83	.50	4.50	.97	.25	.06		
1	8-1/2	1018534	1018543	1262246	5.03	1.69	1.13	3.75	1.00	2.69	2.38	4.69	6.56	.56	5.13	1.06	.25	.06		
1-1/8	9-1/2	1018552	1018561	1262255	7.41	1.81	1.25	4.25	1.16	2.91	2.69	5.16	7.47	.63	5.71	1.25	.25	.06		
1-1/4	12	1018570	1018589	1262264	9.50	2.03	1.38	4.69	1.29	3.25	3.00	5.75	8.25	.69	6.25	1.38	.25	.06		
1-3/8	13-1/2	1018598	1018605	1262273	13.53	2.25	1.50	5.25	1.42	3.63	3.31	6.38	9.16	.75	6.83	1.50	.25	.13		
1-1/2	17	1018614	1018623	1262282	17.20	2.38	1.63	5.75	1.54	3.88	3.63	6.88	10.00	.81	7.33	1.62	.25	.13		
1-3/4	25	1018632	1018641	1262291	27.78	2.88	2.00	7.00	1.84	5.00	4.19	8.86	12.34	1.00	9.06	2.25	.25	.13		
2	35	1018650	1018669	—	45.00	3.25	2.25	7.75	2.08	5.75	4.81	9.97	13.68	1.22	10.35	2.40	.25	.13		
2-1/2	55	1018678	1018687	—	85.75	4.13	2.75	10.50	2.71	7.25	5.69	12.87	17.84	1.38	13.00	3.13	.25	.25		

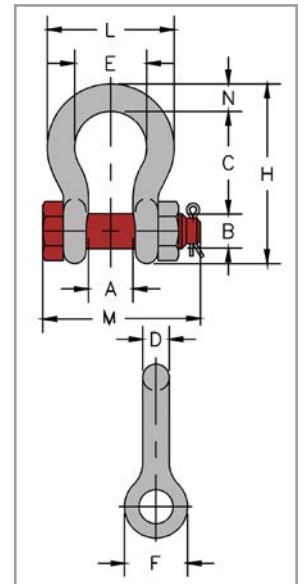


G-2130 BOLT TYPE ANCHOR SHACKLES

- Capacities 1/3 thru 150 metric tons, grade 6.
- Working Load Limit and grade "6" permanently shown on every shackle.
- Forged – Quenched and Tempered, with alloy bolts.
- Hot Dip galvanized or self colored. (85, 120, and 150 metric ton shackles are all hot dip galvanized bows and the bolts are Dimetcoated® and painted red)
- Fatigue rated (1/3t - 55t).
- Shackles 25t and larger are **RFID EQUIPPED**.
- Approved for use at -40 degree C (-40 degree F) to 204 degree C (400 degree F).
- Meets or exceeds all requirements of ASME B30.26.
- Shackles 85 metric tons and larger are individually proof tested to 2.0 times the working load limit.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11.17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges
- 3.1 Certification as standard available for charpy and statistical proof test from 3.25t up to 25 tons to DNV2.7-1 and EN13889.
- Crosby 3.25t through 25t G2130OC anchor shackles are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby shackles are statistical proof and impact tested to 42 joules (31 ft-lbs.) min. avg. at -20 degree C (-4 degree F). The tests are conducted by Crosby and 3.1 test certification is available upon request. Refer to page 88 for Crosby COLD TUFF® shackles that meet the additional requirements of DNV rules for certification of lifting applications - Loose Gear.
- All other 2130 shackles can meet charpy requirements of 42 joules (31 ft-lbs) avg at -20 degree C (-4 degree F) when requested at time of order.
- Look for the Red Pin® . . . the mark of genuine Crosby quality.



Nominal Size (in.)	Working Load Limit (t)*	G-2130 Stock No.	Weight Each (lbs.)	Dimensions (in.)											Tolerance +/-	
				A	B	C	D	E	F	H	L	M	N	C	A	
3/16	1/3	1019464	.06	.38	.25	.88	.19	.60	.56	1.47	.98	1.29	.19	.06	.06	
1/4	1/2	1019466	.11	.47	.31	1.13	.25	.78	.61	1.84	1.28	1.56	.25	.06	.06	
5/16	3/4	1019468	.22	.53	.38	1.22	.31	.84	.75	2.09	1.47	1.82	.31	.06	.06	
3/8	1	1019470	.33	.66	.44	1.44	.38	1.03	.91	2.49	1.78	2.17	.38	.13	.06	
7/16	1-1/2	1019471	.49	.75	.50	1.69	.44	1.16	1.06	2.91	2.03	2.51	.44	.13	.06	
1/2	2	1019472	.79	.81	.64	1.88	.50	1.31	1.19	3.28	2.31	2.80	.50	.13	.06	
5/8	3-1/4	1019490	1.68	1.06	.77	2.38	.63	1.69	1.50	4.19	2.94	3.56	.69	.13	.06	
3/4	4-3/4	1019515	2.72	1.25	.89	2.81	.75	2.00	1.81	4.97	3.50	4.15	.81	.25	.06	
7/8	6-1/2	1019533	3.95	1.44	1.02	3.31	.88	2.28	2.09	5.83	4.03	4.82	.97	.25	.06	
1	8-1/2	1019551	5.66	1.69	1.15	3.75	1.00	2.69	2.38	6.56	4.69	5.39	1.06	.25	.06	
1-1/8	9-1/2	1019579	8.27	1.81	1.25	4.25	1.13	2.91	2.69	7.47	5.16	5.90	1.25	.25	.06	
1-1/4	12	1019597	11.71	2.03	1.40	4.69	1.29	3.25	3.00	8.25	5.75	6.69	1.38	.25	.06	
1-3/8	13-1/2	1019613	15.83	2.25	1.53	5.25	1.42	3.63	3.31	9.16	6.38	7.21	1.50	.25	.13	
1-1/2	17	1019631	19.00	2.38	1.66	5.75	1.53	3.88	3.63	10.00	6.88	7.73	1.62	.25	.13	
1-3/4	25	1019659	33.91	2.88	2.04	7.00	1.84	5.00	4.19	12.34	8.80	9.68	2.25	.25	.13	
2	35	1019677	52.25	3.25	2.30	7.75	2.08	5.75	4.81	13.68	10.15	10.81	2.40	.25	.13	
2-1/2	55	1019695	98.25	4.13	2.80	10.50	2.71	7.25	5.69	17.90	12.75	13.58	3.13	.25	.25	
3	85	1019711	154.00	5.00	3.30	13.00	3.12	7.88	6.50	21.50	14.62	15.13	3.62	.25	.25	
3-1/2	120	1019739	265.00	5.25	3.76	14.63	3.62	9.00	8.00	24.88	17.02	17.00	4.38	.25	.25	
4	150	1019757	338.00	5.50	4.26	14.50	4.00	10.00	9.00	25.68	18.00	17.75	4.56	.25	.25	





S-280 SLING SAVER WEB CONNECTOR



- All Alloy construction.
- Durable vinyl cover that:
- Protects sling at eye
- Keeps sling positioned correctly on spool.
- Design Factor of 5 to 1.
- Makes a field assembled bridle quick and easy.
- No retaining pin to snag sling material.
- Increased radius of spool gives wider sling bearing surface resulting in an increase area for load distribution, thus:
- Increasing Synthetic Sling efficiency as compared to standard anchor and chain shackle bows and conventional eye hooks. This allows 100% of the slings rated Working Load Limit to be achieved.
- Allowing better load distribution on internal fibers.
- Replacement kit for spool and web cover available.
- Designed for use with Type III (Eye & Eye), Class 7, 2 ply webbing & Synthetic Round Slings. Also accommodates single ply and endless slings.

Round Sling Size (Number)	Web Slings			Working Load Limit (Tons)	S-280 Stock Number	Weight Each (lbs.)
	Webbing Width (in.)	Eye Width (in.)	Ply			
1 & 2	.65	.91	1.1	3-1/4	1021681	1.5
3	1.4	2.0	2.5	4-1/2	1021690	1.9
4	2.5	3.6	4.4	6-1/4	1021700	2.9
5 & 6	3.9	5.5	6.8	8-1/2	1021709	5.1



S-253 SCREW PIN SLING SHACKLE



- Shackles available in size 3-1/4 to 50 metric tons.
- All Alloy construction.
- Design factor of 5 to 1.
- Each shackle has a Product Identification Code (PIC) for material traceability along with a Working Load Limit and the name Crosby forged into it.
- Increased radius of bow gives wider sling bearing surface resulting in an increased area for load distribution, thus:
- Increasing Synthetic Sling efficiency as compared to standard anchor and chain shackle bows and conventional hooks. This allows 100% of the sling's rated Working Load Limit to be achieved.
- Allows better load distribution on internal fibers.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these shackles meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- Shackles available in both a Screw Pin and Bolt, Nut and Cotter Pin configuration.
- Bolt (Pin) has a larger diameter that provides better load distribution.
- Look for the Red Pin®... the mark of Genuine Crosby quality.

Web Sling Eye Width (in.)	Round Sling Size (Number)	Working Load Limit (tons)	S-280 Stock Number	Weight Each (lbs.)
1	1 & 2	3-1/4	1020575	1.4
1.5	3 & 4	6-1/2	1020584	2.2
2	5 & 6	8-3/4	1020593	3.8
3	7 & 8	12-1/2	1020602	7.3
4	9 & 10	20-1/2	1020611	15.2
5	11 & 12	35	1020620	30.8
6	13	50	1020629	52.0

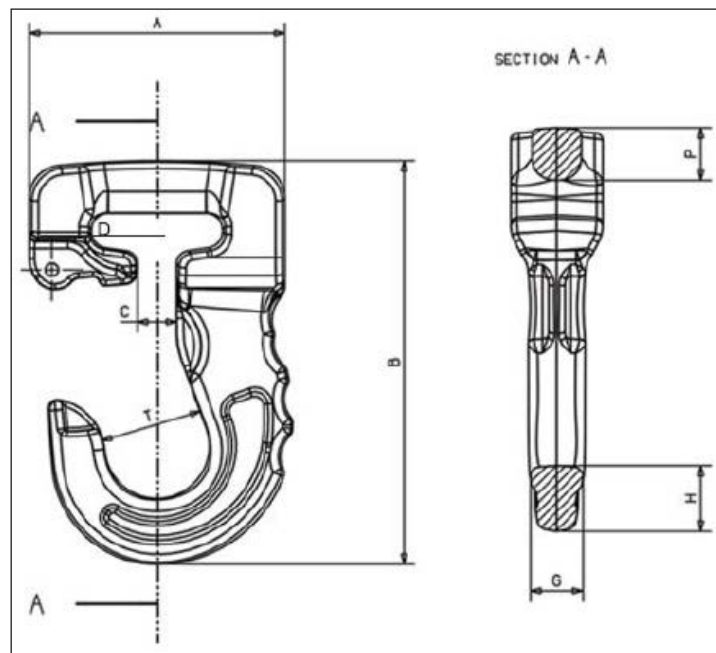
SYNTHETIC ROUND SLING HOOKS

- Quickly attaches through the latch to both synthetic web and round slings
- Synthetic sling hook color coded matching round sling of the same color
- Field replaceable heavy duty steel latch
- Can be permanently attached or easily removed when not required
- Design factor of 5 to 1.



Part Number	Color	Working Load Limit (lbs.)	A	B	C	D	G	H	P	T	Weight (lbs.)
CJ01T1	Purple	2,600	3.07	4.84	0.47	1.61	0.67	0.79	0.63	1.22	1.54
CJ02T2	Green	5,300	3.58	5.83	0.75	1.77	0.83	1.02	0.67	1.57	2.65
CJ03T3**	Yellow	8,400	4.45	6.89	0.83	2.17	0.98	1.26	0.98	1.97	4.85
CJ05T3	Red	13,200	5.21	8.78	1.57	2.76	1.42	2.34	1.42	2.34	9.90
CJ08T8	Blue	21,200	7.28	12.48	1.97	3.94	1.77	2.48	2.17	3.15	27.50

** Also fits 2" 2-ply eye and eye or 2" 1-ply endless web slings





L-320A EYE HOOK



All Crosby 320 Eye Hoist Hooks incorporate the following features: The most complete line of Eye hoist hooks.

- Available in carbon steel and alloy steel.
- Designed with a 5:1 Design Factor for (Carbon Steel); 4.5:1 Design Factor for 30t - 60t (Alloy Steel).
- Eye hooks are load rated.
- Proper design, careful forging and precision controlled quenched and tempering give maximum strength without excessive weight and bulk.
- Every Crosby Eye Hook has a pre-drilled cam which can be equipped with a latch. Even years after purchase of the original hook, latch assemblies can be added. (See pages 123 - 125)
- Chemical analysis and tensile tests performed on each PIC to verify chemistry and mechanical properties.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11-17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.
- Hoist hooks incorporate two types of strategically placed markings forged into the product which address two (2) **QUIC-CHECK®** features:
 - Deformation Indicators and Angle Indicators (see following page for detailed definition).

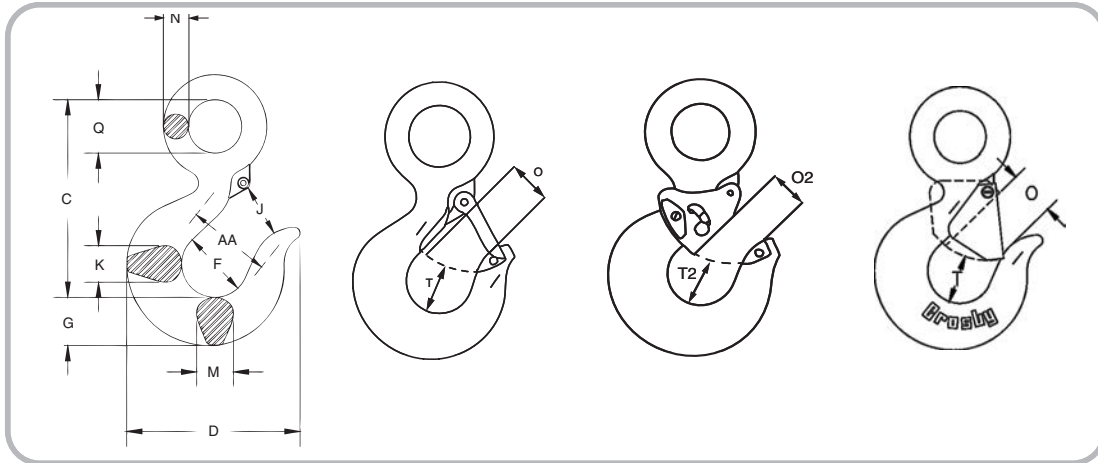
The following additional features have been incorporated in the new Crosby S-320N Eye Hoist Hooks.

(Sizes 3/4 metric ton Carbon through 22 metric ton Alloy.)

- Metric Rated at 5:1 Design Factor for (Carbon Steel); 5:1 Design Factor for 1t - 22t (Alloy Steel).
- Can be proof tested to 2 times the Working Load Limit.
- Low profile hook tip.
- New integrated latch (S-4320) meets the world-class standard for lifting.
- Heavy duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- When secured with proper cotter pin through the hole in the tip of hook, meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g) for personnel hoisting.
- Hoist hooks incorporate markings forged into the product which address two (2) **QUIC-CHECK®** features.
 - **Deformation Indicators** -- Two strategically placed marks, one just below the shank or eye and the other on the hook tip, which allows for a **QUIC-CHECK®** measurement to determine if the throat opening has changed, thus indicating abuse or overload. To check, use a measuring device (i.e. tape measure) to measure the distance between the marks. The marks should align to either an inch or half-inch increment on the measuring device. If the measurement does not meet this criteria, the hook should be inspected further for possible damage.
 - **Angle Indicators** -- Indicates the maximum included angle which is allowed between two (2) sling legs in the hook. These indicators also provide the opportunity to approximate other included angles between two sling legs.

Working Load Limit (t)		Hook ID Code	Eye Hook Type			Weight Each (lbs.)	Replacement Latch Kits		
Carbon	Alloy		Carbon L-320C L-320CN S.C.	Carbon G-320CN Galv.	Alloy L-320A L-320AN S.C.		S-4320 Stock No.	PL Stock No.	SS-4055 Stock No.
3/4	1	+D	1022205	1022208	1022380	.61	1096325	-	-
1	1-1/2	+F	1022216	1022219	1022391	.89	1096374	-	-
1-1/2	2	+G	1022227	1022230	1022402	1.44	1096421	-	-
2	3	+H	1022238	1022241	1022413	2.07	1096468	-	-
3	5	+I	1022246	1022249	1022424	4.30	1096515	1092000	-
5	7	+J	1022260	1022262	1022435	8.30	1096562	1092001	-
7-1/2	11	+K	1022271	1022274	1022446	15.00	1096609	1092002	-
10	15	+L	1022282	1022285	1022457	20.77	1096657	1092003	-
15	22	+N	1022293	1022296	1022468	39.50	1096704	1092004	-
20	30	O	1022302	-	1022479	60.00	-	1093716	1090161
25	37	P	-	-	-	105.00	-	1093717	1090189
30	45	S	-	-	-	148.00	-	1093718	1090189
40	60	T	-	-	-	228.00	-	1093719	1090205

*Eye Hooks (3/4 TC - 22TA), Proof load is 2 times Working Load Limit. Eye Hooks (20 TC - 60TA). All carbon hooks-average straightening load (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 1 ton through 22 ton-average straightening load (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 30 tons through 60 tons-average straightening load (ultimate load) is 4.5 times Working Load Limit. * New 320N style hook.

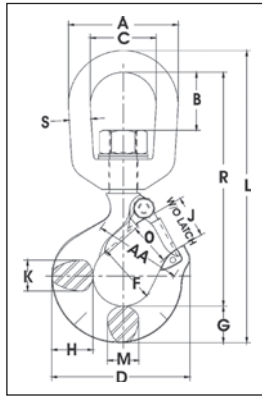


Hook ID Code*	Dimensions (in.)													
	C	D	F	G	J	K	M	N	O †	O2 ††	Q	T †	T2 ††	AA**
D	3.34	2.83	1.25	.73	.90	.63	.63	.36	.89	-	.75	.87	-	1.50
F	3.81	3.11	1.38	.84	.93	.71	.71	.42	.91	-	.91	.98	-	2.00
G	4.14	3.53	1.50	1.00	1.00	.88	.88	.55	1.00	-	1.13	1.03	-	2.00
H	4.69	3.97	1.63	1.13	1.13	.94	.94	.58	1.09	-	1.25	1.16	-	2.00
I	5.77	4.81	2.00	1.44	1.47	1.31	1.31	.72	1.36	1.00	1.56	1.53	1.50	2.50
J	7.37	6.27	2.50	1.81	1.75	1.66	1.66	.90	1.61	1.31	2.00	1.96	1.88	3.00
K	9.07	7.45	3.00	2.25	2.29	1.88	1.63	1.11	2.08	1.81	2.44	2.47	2.25	4.00
L	10.08	8.30	3.25	2.59	2.50	2.19	1.94	1.27	2.27	2.00	2.84	2.62	2.31	4.00
N	12.53	10.30	4.25	3.00	3.30	2.69	2.38	1.56	3.02	2.75	3.50	2.83	2.56	5.00
O	14.06	13.62	5.00	3.62	4.00	3.00	3.00	1.75	3.25	-	3.50	3.44	-	6.50
P	18.19	14.06	5.38	4.56	4.25	3.75	3.19	2.00	3.00	-	4.50	3.88	-	7.00
S	20.12	15.44	6.00	5.06	4.75	4.50	3.25	2.18	3.38	-	4.94	4.75	-	8.00
T	23.72	18.50	7.00	6.00	5.75	5.50	3.91	2.53	4.12	-	5.69	5.69	-	10.00

*Eye Hooks (3/4 TC-22TA), Proof load is 2 times Working Load Limit. Eye Hooks (20 TC-60TA). All carbon hooks - average straightening load (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 1t through 22t - average straightening load (ultimate load) is 5 times Working Load Limit. Alloy eye hooks 30t through 60t - average straightening load (ultimate load) is 4.5 times Working Load Limit.

** Deformation Indicators.† 3/4tC - 22tA dimensions shown are for S-4320 Latch Kits. Dimensions for sizes 20t carbon and larger are for PL Latch Kits.

†† Dimensions are for PL-N latch kits.



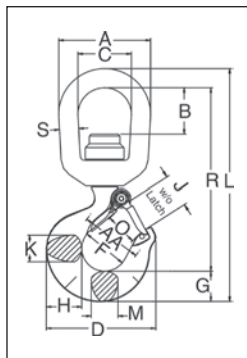
Crosby

L-322AN SWIVEL HOOK

- Forged - Quenched and Tempered.
- Swivel hooks are load rated.
- Proper design, careful forging, and precision controlled quench and tempering gives maximum strength without excessive weight and bulk.
- Low profile hook tip designed to utilize Crosby S-4320 or PL-N latch kit.
- Hoist hooks incorporate markings forged into the product which address two (2) **QUIC-CHECK®** features:
 - **Deformation Indicators** -- Two strategically placed marks, one just below the shank or eye and the other on the hook tip, which allows for a QUIC-CHECK® measurement to determine if the throat opening has changed, thus indicating abuse or overload.
 - **Angle Indicators** — Indicates the maximum included angle which is allowed between two (2) sling legs in the hook. These indicators also provide the opportunity to approximate other included angles between two sling legs.
- Type Approval certification in accordance with ABS 2007 Steel Vessel Rules 1-11-17.7 and ABS Guide for Certification on Cranes available. Certificates available when requested at time of order and may include additional charges.

Working Load Limit (t)*		L-322 CN Stock No.	L-322 AN Stock No.	Weight Each (lbs.)	Dimensions (in.)															Rep. Latch Stock No.
Carbon	Alloy				A	B	C	D	F	G	H	J	K	L	M	O†	R	S	AA**	
3/4	1	1048603	1048807	.75	2.00	.82	1.25	2.86	1.25	.73	.81	.93	.63	5.66	.63	.89	4.55	.38	1.50	1096325
1	1-1/2	1048612	1048816	1.25	2.50	1.31	1.50	3.15	1.38	.84	.94	.97	.71	6.71	.71	.91	5.37	.50	2.00	1096374
1-1/2	2	1048621	1048825	2.25	3.00	1.50	1.75	3.59	1.50	1.00	1.16	1.06	.88	7.75	.88	1.00	6.12	.63	2.00	1096421
2	3	1048630	1048834	2.30	3.00	1.50	1.75	4.00	1.62	1.13	1.31	1.19	.94	8.25	.94	1.09	6.50	.63	2.00	1096468
3	5	1048639	1048840	4.96	3.50	1.64	2.00	4.84	2.00	1.44	1.63	1.50	1.31	9.69	1.13	1.36	7.50	.75	2.50	1096515
5	7	1048648	1048859	10.29	4.56	2.29	2.50	6.28	2.50	1.81	2.06	1.78	1.66	12.47	1.44	1.61	9.63	1.00	3.00	1096562
7-1/2	11	1048657	1048868	19.40	5.00	2.44	2.75	7.54	3.00	2.25	2.63	2.41	1.88	14.75	1.63	2.08	11.37	1.13	4.00	1096609
10	15	1048666	1048880	23.25	5.62	2.48	3.12	8.34	3.25	2.59	2.94	2.62	2.19	16.40	1.94	2.27	12.25	1.25	4.00	1096657
15	22	1048675	1048889	47.00	7.10	3.76	4.10	10.34	4.25	3.00	3.50	3.41	2.69	21.34	2.38	3.02	16.71	1.50	5.00	1096704
-	30	-	-	70.50	7.10	3.76	4.10	13.62	5.00	3.61	4.63	4.00	3.00	23.25	3.00	3.25	18.01	1.50	6.50	1093716

* Carbon swivel hooks .75tC-15tC: proof load is 2 times working load limit. Designed with a 5 to 1 safety factor. Alloy swivel hooks 1.25tA-31.5tA : proof load is 2.5 times working load limit. Designed with a 4 to 1 safety factor. Alloy swivel hook 30tA: proof load is 2 times working load limit. Designed with a 4 to 1 design factor. ** Deformation Indicators † Dimensions for hooks 3/4t carbon thru 22t alloy are for S-4320 latch kits. Dimensions for hooks 31.5t alloy are for PL latch kit.



Crosby

S-3322B SWIVEL HOOKS WITH BEARING

- **New anti-friction bearing design allows hook to rotate freely under load.**
- Capacities ranging from 2 through 15 metric tonnes.
- Forged - Quenched and Tempered.
- Proper design, careful forging, and precision controlled quench and tempering gives maximum strength without excessive weight and bulk.
- Low profile hook tip designed to utilize Crosby S-4320 or PL-N latch kit. Simply purchase the latch assemblies listed and shown on pages 121 - 123. Even years after purchase of the original hook, latch assemblies can be added.

Working Load Limit (t)*	Hook ID Code*	S-3322B Stock No.	L-3322B Stock No.†	Weight Each (lbs.)	Dimensions (in.)															Rep. Latch Stock No.
					A	B	C	D	F	G	H	J	K	L	M	O	R	S	AA**	
2	G	1028605	-	2.5	3.00	1.50	1.75	3.59	1.50	1.00	1.16	1.06	.88	7.64	.88	1.00	6.01	.63	2.00	1096421
3	H	1028614	1028618	3.8	3.50	1.56	2.00	4.00	1.62	1.13	1.31	1.19	.94	8.60	.94	1.09	6.72	.75	2.00	1096468
5	I	1028623	1028627	7.0	4.00	1.56	2.25	4.84	2.00	1.44	1.63	1.50	1.31	10.32	1.13	1.36	8.00	.88	2.50	1096515
7	J	1028632	-	14.0	5.00	1.94	2.75	6.27	2.50	1.81	2.06	1.78	1.66	12.84	1.44	1.61	9.90	1.13	3.00	1096562
11	K	1028641	-	22.3	5.62	2.05	3.12	7.54	3.00	2.25	2.63	2.41	1.88	15.24	1.63	2.08	11.74	1.25	4.00	1096609
15	L	1028650	-	36.0	7.12	3.62	4.10	8.33	3.25	2.59	2.94	2.62	2.19	18.64	1.94	2.27	14.41	1.50	4.00	1096657



A-378 SORTING HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Deep straight throat permits efficient handling of flat plates or large cylindrical shapes.



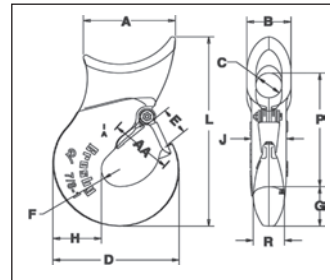
Working Load Limit at tip of Hook (Tons)*	Working Load Limit at bottom of Hook (Tons)*	A-378 Stock No	Style	Weight Each (lbs.)	Dimensions (in.)			
					I.D. of Eye	Overall Length	Opening at top of Hook	Radius at bottom of Hook
2	7-1/2	1028024	No Handle	6.42	1.38	9.69	2.81	.625
2	7-1/2	1028033	With Handle	6.42	1.38	9.69	2.81	.625

*Ultimate Load is 4 times the Working Load Limit.



A-350N SLIDING CHOKER HOOK

- New style incorporates throat opening equal to or larger than old style hooks.
- Each product has a Product Identification Code (PIC) for material traceability, along with a Working Load Limit, and the name Crosby or "CG" forged into it.
- All hooks incorporate Crosby's patented QUIC-CHECK® marks to help in determining if throat opening dimension has changed.
- Each hook can be equipped with a Crosby S-4320 heavy duty stamped latch with the high cycle, long life spring.
- Forged Alloy Steel -- Quenched and Tempered.



Single Part Rope Size (in.)	Eight Part Rope Size (in.)	A-350N Stock No.	A-350L Stock No.	Weight Each (lbs.)	Dimensions (in.)												Hook Frame Code	Replacement Latch Kit Stock No.
					A	B	C	D	E	F	G	H	L	P	R	AA**		
3/8	-	1011707	1011802	1.0	2.06	1.13	.63	2.41	.63	.38	.84	.91	4.28	2.59	.63	1.50	D	1096325
1/2	1/8	1011716	1011811	1.4	2.25	1.31	.75	2.97	.78	.50	.97	1.06	4.97	3.09	.75	1.50	F	1096374
† 5/8	-	1011725	1011820	3.0	3.06	1.63	.75	3.56	.94	.56	1.13	1.31	6.38	3.88	1.00	2.00	G	1096421
† 5/8	3/16	1011734	1011839	2.7	3.06	1.63	1.00	3.56	.94	.56	1.13	1.31	6.38	4.00	1.13	2.00	G	1096421
† 3/4	-	1011743	1011848	4.4	3.38	2.13	1.00	4.25	1.16	.63	1.44	1.63	7.66	4.58	1.13	2.50	H	1096468
† 3/4	1/4	1011752	1011857	3.8	3.38	2.13	1.44	4.25	1.16	.63	1.44	1.63	7.66	4.78	1.13	2.50	H	1096468
†† 7/8-1	-	1028177	1028177	9.70	4.41	2.12	1.25	6.06	1.41	.88	2.00	2.33	9.55	5.72	1.50	3.00	I	1096515

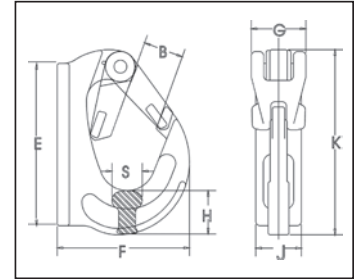
** Deformation Indicators. † Determine EYE diameter "C", before ordering. †† 7/8-1" is Cast Steel & furnished with latch attached.



Crosby

BH-313 WELD-ON BUCKET HOOK

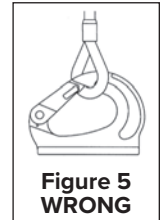
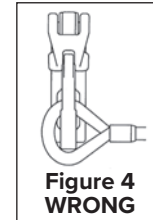
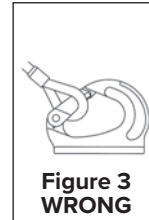
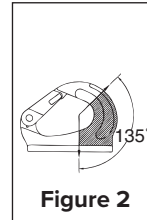
- Wide range of sizes available: 1-10 metric ton capacity.
- Forged Alloy Steel.
- Designed for attachment to mobile lifting equipment to provide a pick point for easy sling attachment.
- Large weld pad.
- Heavy duty latch interlocks with the hook tip. Replacement latches available.
- Detailed installation and application instructions included with each hook.



Working Load Limit (t)*	BH-313 Stock No.	Weight Each (lbs.)	Dimensions (in)								Replacement Latch Stock No.
			B	E	F	G	H	J	K	S	
1	1029105	1.15	.91	3.82	2.80	1.42	1.06	1.02	4.21	.71	1092104
2	1029114	1.85	.91	3.23	3.58	1.42	.98	1.34	4.53	.83	1092104
3	1029123	2.60	1.14	4.61	4.13	1.42	1.22	1.42	5.16	.94	1092104
4	1029132	4.19	1.34	5.16	4.49	1.81	1.42	1.69	5.79	1.14	1092105
5	1029141	5.62	1.34	6.34	5.24	1.85	1.77	1.73	6.81	1.14	1092105
8	1029150	7.28	1.38	6.54	5.31	1.85	2.05	2.05	7.01	1.54	1092105
10	1029169	11.02	1.93	8.07	6.61	1.85	2.24	2.13	8.74	1.54	1092106

Plate Thickness Requirements

Working Load Limit (t)	Minimum Plate Thickness (in.)	Minimum Fillet Size All Around (in.)	Minimum Plate Thickness (mm)	Minimum Fillet Size All Around (mm)
1	3/16	3/16	5	5
2	1/4	1/4	6	6
3	5/16	5/16	8	8
4	5/16	5/16	8	8
5	3/8	3/8	10	10
8	1/2	1/2	13	13
10	1/2	1/2	13	13



Instructions for Assembling S-4313 Latch on BH-313 Weld-On Hook

1. Place hook flat on work surface as shown.

Hook Sizes 1 to 3 Tons

2A. Position coils of spring over hook cam, with legs of spring pointing towards hook tip and coil of spring positioned down as shown.

Hook Sizes 4 to 10 Tons

2B. Spread legs of spring and place into drilled hole. Position coils of spring over hook cam, with end of spring pointing toward hook tip as shown.

3. Position latch over spring, aligning latch ears and spring coil. On pin hole side of latch, insert non-grooved end of latch pin through hole in latch and through spring until contact is made with hook body (a small punch may be required for proper alignment).

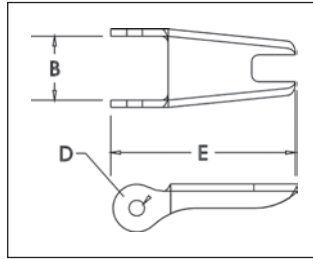
4. Align holes in latch with holes in cam of hook. Continue pushing the pin through hook, spring and latch.

5. Insert roll-pin into latch, driving it in with a hammer, while ensuring that latch pin groove is in alignment.



SS-4320 REPLACEMENT LATCH KITS

- Heavy duty stamped latch interlocks with the hook tip.
- High cycle, long life spring.
- Can be made into a "Positive Locking" Hook when proper cotter pin is utilized.
- Latch kits shipped unassembled and individually packaged with instructions.
- Meets the intent of OSHA Rule 1926.1431(g) and 1926.1501(g)(when secured with the bolt, nut and pin) for lifting personnel.

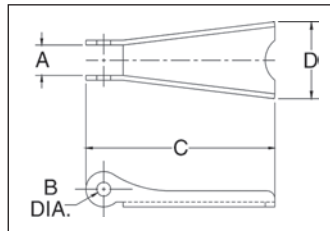


Hook Size (t)			Hook ID Code	S-4320 Stock No.	Weight Each (lbs.)	Dimensions (in.)		
Carbon	Alloy	Bronze				B	D	E
3/4	1	.5	D	1096325	.03	.50	.15	1.44
1	1-1/2	.6	F	1096374	.04	.54	.17	1.56
1-1/2	2	1	G	1096421	.04	.63	.17	1.66
2	3	1.4	H	1096468	.06	.66	.17	1.91
3	5	2	I	1096515	.10	.83	.20	2.31
5	7	3.5	J	1096562	.15	1.04	.20	2.88
7-1/2	11	5	K	1096609	.28	1.25	.27	3.56
10	15	6.5	L	1096657	.33	1.35	.27	3.81
15	22	10	N	1096704	.84	1.66	.39	5.18

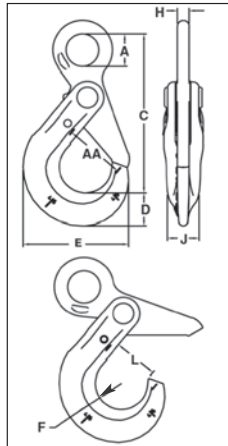


SS-4055 REPLACEMENT LATCH KITS

- Stainless steel construction with cadmium plated steel nuts.
- Shipped packaged and unassembled.
- Instructions included for easy field assembly.



Hook Size (t)			Hook ID Code	SS-4055 Stock No.	Weight Each (lbs.)	Dimensions (in.)			
Carbon	Alloy	Bronze				A	B	C	D
3/4	1	.5	D	1090027	.02	.38	.16	1.44	.59
1	1-1/2	.6	F	1090045	.02	.38	.16	1.60	.59
1-1/2 - 2	2 - 3	1.0 - 1.4	G / H	1090063	.03	.47	.19	1.84	.82
3	4-1/2	2.0	I	1090081	.06	.56	.17	2.41	1.00
5	7	3.5	J	1090107	.11	.58	.20	2.97	1.21
7-1/2 - 10	11 - 15	5.0 - 6.5	K / L	1090125	.17	.59	.27	3.66	1.50
15	22	10.0	N	1090143	.39	.83	.39	4.94	1.90
20	30	--	O	1090161	.63	.94	.52	5.88	2.56
25 - 30	37 - 45	--	P / S	1090189	1.12	2.19	.39	6.50	3.84
40	60	--	T	1090205	1.77	3.31	.52	7.88	4.12

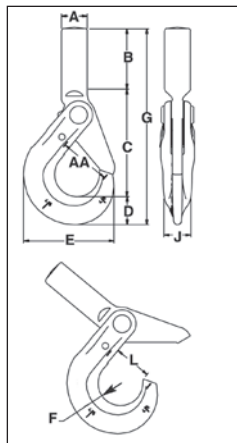


Crosby

S-1316 EYE SHUR-LOC HOOK

- All SHUR-LOC® hooks have the following features:
 - Forged Alloy Steel - Quenched and Tempered.
 - Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
 - Easy to operate with enlarged thumb access.
 - Positive Lock Latch is Self-Locking when hook is loaded.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- Eye Style incorporates these added features:
 - Individually Proof Tested to 2-1/2 times the 4:1 Working Load Limit with certification.
 - S-1316 meets the performance requirements of EN1677-3:2001
 - 25% stronger than Grade 80.
 - Suitable for use with Grade 100 and Grade 80 chain.
 - Designed with "Engineered Flat" to connect to S-1325 chain coupler.
 - Fatigue Rated

Chain Size		Frame code	Grade 100 Alloy Chain Working Load Limit (lbs.)* 4:1	Working Load Limit (lbs.) 5:1	S-1316 Stock No.	Weight Each (lbs.)	Dimensions (in.)										AA**
(in.)	(mm)						A	C	D	E	F	H	J	L			
-	6	D	3200	2560	1022896	.85	.78	3.95	.79	2.60	.67	.31	.63	1.14	1.50		
1/4-5/16	7-8	G	5700	4560	1022914	1.80	1.08	5.31	1.10	3.50	.87	.39	.81	1.48	2.00		
3/8	10	H	8800	7040	1022923	3.40	1.30	6.57	1.17	4.39	1.10	.51	.94	1.83	2.50		
1/2	13	I	15000	12000	1022932	6.00	1.65	8.23	1.67	5.45	1.26	.67	1.16	2.22	3.00		
5/8	16	J	22600	18000	1022941	15.1	2.20	10.06	2.04	6.56	1.50	.87	1.50	2.65	3.50		
3/4	18-20	-	35300	28240	1022942	19.0	2.60	10.77	2.22	7.76	2.01	.87	2.03	3.52	5.00		
7/8	22	-	42700	34160	1022943	28.0	2.87	12.49	2.45	8.75	2.27	.98	2.20	3.83	6.00		
1	26	-	59700	47,760	1022944	49.5	3.15	14.60	3.21	9.87	2.46	1.26	2.68	4.09	6.50		



Crosby

S-1318A SHUR-LOC SHANK HOOK

- All SHUR-LOC® hooks have the following features:
 - Forged Alloy Steel - Quenched and Tempered.
 - Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
 - Easy to operate with enlarged thumb access.
 - Positive Lock Latch is Self-Locking when hook is loaded.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).

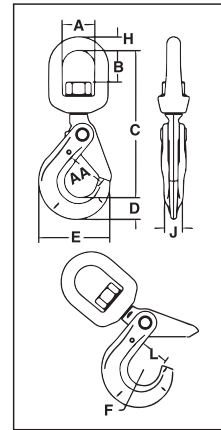
Chain Size		S-1318A Stock No.	Frame code	Grade 100 Alloy Chain Working Load Limit (lbs.)	Dimensions (in.)										AA**	Weight Each (lbs.)
(in.)	(mm)				A†	B	C	D	E	F	G	J	L			
-	6	1098200	D	3200	.79	2.16	3.31	.79	2.60	.67	6.26	.63	1.16	1.50	1.00	
1/4-5/16	7-8	1098209	G	5700	1.00	2.40	4.16	1.10	3.51	.87	7.66	.81	1.48	2.00	1.99	
3/8	10	1098218	H	8800	1.14	2.95	5.14	1.17	4.39	1.10	9.26	.94	1.83	2.50	3.56	
1/2	13	1098227	I	15000	1.34	3.35	6.31	1.67	5.49	1.26	11.33	1.16	2.22	3.00	7.00	

* Ultimate Load is 4 times the Working Load Limit based on Grade 100 chain. ** Deformation Indicators. † Dimension before machining (as forged).



S-1326 SWIVEL HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the 4:1 Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- Easy to operate with enlarged thumb access.
- Positive Lock Latch is Self-Locking when hook is loaded.
- Rated for both Wire Rope and use with Grade 80/100 Chain.
- G-414 Heavy Thimble should be used with wire rope slings.
- Trigger Repair Kit available (S-4316). Consists of spring, roll pin and trigger.
- S-13326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Fatigue rated.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- "Look for the Platinum Color – Crosby Grade 100 Alloy Products."

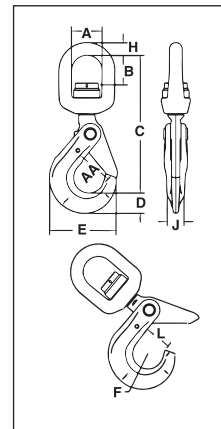


Chain Size		Frame code	Grade 100 Alloy Chain Working Load Limit (lbs.)* 4:1	Working Load Limit (lbs.) 5:1	S-1326 Stock No.	Weight Each (lbs.)	Dimensions (in.)									
(in.)	(mm)						A	B	C	D	E	F	H	J	L	AA**
-	6	D	3200	2560	1004304	1.26	1.50	1.32	6.13	.79	2.60	.67	.50	.63	1.13	1.50
1/4 - 5/16	7-8	G	5700	4560	1004313	2.62	1.75	1.59	7.60	1.10	3.50	.87	.63	.81	1.38	2.00
3/8	10	H	8800	7040	1004322	4.70	2.00	1.73	8.83	1.17	4.39	1.10	.75	.94	1.75	2.50
1/2	13	I	15000	12000	1004331	8.64	2.50	2.38	11.20	1.67	5.45	1.26	1.00	1.16	2.11	3.00
5/8	16	-	22600	18000	1004340	17.00	2.75	2.70	12.90	2.05	6.56	1.50	1.13	1.50	2.49	3.50
3/4	18 - 20	-	35300	28240	1004349	24.00	2.83	2.52	14.10	2.22	7.76	2.01	1.10	2.03	3.52	5.00
7/8	22	-	42700	34160	1004358	29.00	3.44	3.19	16.40	2.45	8.75	2.26	1.30	2.20	3.83	6.00

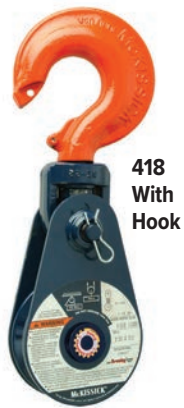


S-13326 SHUR-LOC SWIVEL HOOK WITH BEARING

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested at 2-1/2 times the 4:1 Working Load Limit with certification.
- Recessed trigger design is flush with the hook body, protecting the trigger from potential damage.
- Easy to operate with enlarged thumb access.
- Positive Lock Latch is Self-Locking when hook is loaded.
- Rated for both Wire Rope and use with Grade 80/100 Chain.
- G-414 Heavy Thimble should be used with wire rope slings.
- Trigger Repair Kit available (S-4316). Consists of spring, roll pin and trigger.
- S-13326 Swivel Hook utilizes anti-friction bearing design which allows hook to rotate freely under load.
- Fatigue rated.
- The SHUR-LOC® hook, if properly installed and locked, can be used for personnel lifting applications and meets the intent of OSHA Rule 1926.1431(g)(1)(i)(A) and 1926.1501(g)(4)(iv)(B).
- "Look for the Platinum Color – Crosby Grade 100 Alloy Products."



Chain Size		Frame code	Grade 100 Alloy Chain Working Load Limit (lbs.)* 4:1	Working Load Limit (lbs.) 5:1	S-13326 Stock No.	Weight Each (lbs.)	Dimensions (in)									
(in.)	(mm)						A	B	C	D	E	F	H	J	L	AA**
-	6	D	3200	2560	1004404	1.50	1.50	1.14	6.17	.79	2.60	.67	.50	.63	1.13	1.50
1/4 - 5/16	7-8	G	5700	4560	1004413	3.10	1.75	1.52	7.54	1.10	3.50	.87	.63	.81	1.44	2.00
3/8	10	H	8800	7040	1004422	5.26	2.00	1.61	8.88	1.16	4.35	1.10	.75	.94	1.83	2.50
1/2	13	I	15000	12000	1004431	11.22	2.50	2.03	11.11	1.66	5.45	1.26	1.00	1.16	2.19	3.00
5/8	16	-	22600	18000	1004440	17.32	2.75	2.25	12.90	2.05	6.56	1.50	1.13	1.50	2.61	3.50



**418
With
Hook**



**419
With
Shackle**



**404
Tail
Board**

Crosby

MCKISSICK LIGHT CHAMPION SNATCH BLOCKS

- Forged alloy heat treated hooks.
- Forged steel swivel tees, yokes and shackles.
- Can be furnished with bronze bushings or roller bearings.
- Opening feature permits insertion of rope while block is suspended from gin-pole.
- 3" thru 18" 418 and 419 blocks have exclusive bolt-retaining spring to assure no lost bolts.
- Can be furnished with S-4320 hook latch.
- Pressure lube fittings.
- 3" - 10" feature dual rated Wireline sheaves.
- Fatigue rated.
- 4-1/2" and larger are RFID EQUIPPED.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these blocks meet other critical performance requirements including fatigue life and material traceability, not addressed by ASME B30.26.



NOTE: When ordering, please specify: size, block number, hook or shackle, bronze bushed or roller bearing, and Wireline size.
NOTE: Tail Board does not contain the spool that is required with the hook (418) and shackle (419) snatch blocks.

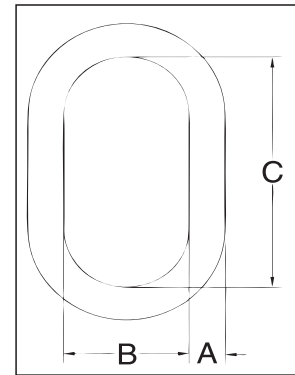
Sheave Diameter (in.)	Bearing Code	Stock No.			Wire Rope Size (in.) ‡	Working Load Limit (t)*	Weight Each (lbs.)			Rep. Sheave Stock No.	Rep. Latch Stock No.
		418 with Hook	419 with Shackle	404 Tail Board			418 with Hook	419 with Shackle	404 Tail Board		
** 3	BB	-	109091	-	5/16 - 3/8	2	-	4	-	460147	-
** 3	BB	108038	109037 †	102016	5/16 - 3/8	2	5	4	3	460147	1096421
**4-1/2	BB	108065	109064	102025	3/8 - 1/2	4	12	12	7	2000232	1096468
6	BB	108127	109126	102098	5/8 - 3/4	8	27	28	15	460815	1096562
6	RB	108154	109153	102114	5/8 - 3/4	8	27	28	15	472688	1096562
8	BB	108225	109224	102169	5/8 - 3/4	8	33	34	21	461164	1096562
8	RB	108252	109251	102187	5/8 - 3/4	8	33	34	21	473277	1096562
10	BB	108323	109322	102230	5/8 - 3/4	8	41	42	29	461805	1096562
10	RB	108350	109359	102258	5/8 - 3/4	8	41	42	29	473776	1096562
12	BB	169169	202961	178890	5/8	8	48	49	36	462270	1096562
12	RB	199911	169347	178934	5/8	8	48	49	36	474141	1096562
12	BB	108421	109420	102301	3/4	8	48	49	36	462289	1096562
12	RB	108458	109457	102329	3/4	8	48	49	36	474150	1096562
14	BB	194920	169356	-	5/8	8	55	56	-	463625	1096562
14	RB	199948	167857	-	5/8	8	55	56	-	474766	1096562
14	BB	108528	109527	-	3/4	8	55	56	-	463634	1096562
14	RB	108546	109545	-	3/4	8	55	56	-	474775	1096562
16	BB	199975	203041	-	3/4	15	130	135	-	4100056	1096609
16	RB	200008	203087	-	3/4	15	130	135	-	4200028	1096609
16	BB	108608	109607	-	7/8	15	130	135	-	4100065	1096609
16	RB	108626	109625	-	7/8	15	130	135	-	4200037	1096609
18	BB	200099	203130	-	7/8	15	150	155	-	464571	1096609
18	RB	200151	203176	-	7/8	15	150	155	-	475792	1096609
18	BB	108644	109643	-	1	15	150	155	-	4104640	1096609
18	RB	108662	109661	-	1	15	150	155	-	6000000	1096609

* Ultimate Load is 4 times the Working Load Limit. ** Available in Bronze Bushed only. 3" and 4-1/2" have self lubricating Bronze Bushing. † Fitted with 1-1/4" ID Swivel Eye. ‡ May be furnished in other rope sizes.



A-342 ALLOY MASTER LINKS

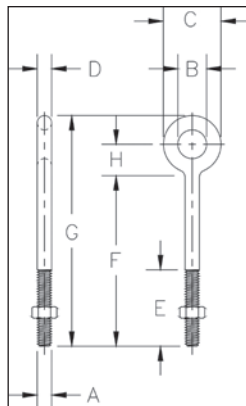
- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification.
- Proof Tested with 60% inside width special fixtures sized to prevent localized point loading per ASME A-952, reference page 276.
- Forgings have a Product Identification Code (PIC) for material traceability, along with the size, the name Crosby and USA in raised lettering.
- Selected sizes designated with “W” in the size column have enlarged inside dimensions to allow additional room for sling hardware and crane hook.
- Crosby 1 1/4” to 2” 342/345 master links are type approved to DNV Certification Notes 2.7-1- Offshore Containers. These Crosby master links are 100% proof tested, MPI and impact tested. The tests are conducted by Crosby and 3.1 test certification is available upon request. Refer to page 164 for Crosby COLD TUFF® master links that meet the additional requirements of DNV rules for certification of lifting appliances - Loose Gear.
- Incorporates patented **QUIC-CHECK®** deformation indicators.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these links meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



Size		A-342 Stock No	Weight Each (lbs.)	Working Load Limit (lbs.)*	Proof Load (lbs.)**	Dimensions (in.)			
(in.)	(mm)					A	B	C	Deformation Indicator
1/2W	13W	1014266	1.3	7400	17200	.62	2.80	5.00	3.50
5/8	16	1014280	1.5	9000	18000	.62	3.00	6.00	3.50
3/4W	19W	1014285	2.0	12300	28400	.73	3.20	6.00	4.00
7/8W	22W	1014319	3.3	15200	35200	.88	3.75	6.38	4.50
1W	26W	1014331	6.1	26000	60000	1.10	4.30	7.50	5.50
1-1/4W	32W	1014348	12.0	39100	90400	1.33	5.50	9.50	7.00
† 1-1/4W	† 32W	1262505	9.2	† 36200	90500	1.25	4.38	8.75	5.50
1-1/2W	38W	1014365	18.6	† 61100	141200	1.61	5.90	10.50	6.50
† 1-1/2W	† 38W	1262514	15.9	54300	135750	1.50	5.25	10.50	7.50
1-3/4	44	1014388	25.2	84900	212250	1.75	6.00	12.00	7.50
† 1-3/4	† 44	1262523	24.8	† 84900	212250	1.75	6.00	12.00	7.50
2	51	1014404	37.0	102600	256500	2.00	7.00	14.00	9.00
† 2	† 51	1262532	37.7	† 102600	256500	2.00	7.00	14.00	9.00
2-1/4	57	1014422	54.1	143100	289200	2.25	8.00	16.00	10.00
2-1/2	63	1014468	68.5	160000	320000	2.50	8.38	16.00	11.00
2-3/4	70	1014440	94.0	216900	433800	2.75	9.88	18.00	12.50
3	76	1014486	115	228000	456000	3.00	9.88	18.00	13.00
3-1/4	83	1014501	145	262200	524400	3.25	10.00	20.00	13.50
3-1/2	89	1014529	200	279000	558000	3.50	12.00	24.00	15.50
3-3/4	95	1015051	198	336000	672000	3.75	10.00	20.00	13.50
4	102	1015060	264	373000	746000	4.00	12.00	24.00	16.00
†† 4-1/4	†† 108	1015067	302	354000	708000	4.25	12.00	24.00	-
†† 4-1/2	†† 114	1015079	345	360000	720000	4.50	14.00	28.00	-
†† 4-3/4	†† 121	1015088	436	389000	778000	4.75	14.00	28.00	-
†† 5	†† 127	1015094	516	395000	790000	5.00	15.00	30.00	-

*Ultimate Load is 5 times the Working Load Limit. Based on single leg sling (in-line load), or resultant load on multiple legs with an included angle less than or equal to 120 degrees. Applications with wire rope and synthetic sling generally require a design factor of 5. **Proof Test Load equals or exceeds the requirement of ASTM A952(8.1) and ASME B30.9.

†Ultimate Load is 4 times the Working Load Limit for Offshore Container Master Links. †Offshore Container Master Links Proof Tested to 2.5 times the Working Load Limit with 70 percent fixtures.



Crosby

G-291 REGULAR NUT EYE BOLTS

- Forged Steel - Quenched and Tempered.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- All Bolts Hot Dip galvanized after threading (UNC).
- Furnished with standard Hot Dip galvanized hex nuts.
- Recommended for in-line pull.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these bolts meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.

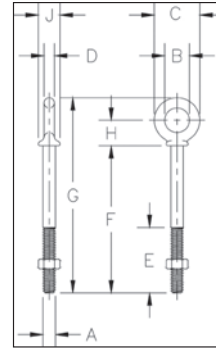
Shank Dia. & Length (in.)	G-291 Stock No.	Working Load Limit (lbs.)*	Weight Per 100 (lbs.)	Dimensions (in.)							
				A	B	C	D	E	F	G	H
3/8 x 4-1/2	1043338	1550	29.50	.38	.75	1.50	.38	2.50	4.50	6.12	.88
1/2 x 3-1/4	1043374	2600	50.30	.50	1.00	2.00	.50	1.50	3.25	5.38	1.12
1/2 x 6	1043392	2600	66.10	.50	1.00	2.00	.50	3.00	6.00	8.12	1.12
1/2 x 8	1043418	2600	82.00	.50	1.00	2.00	.50	3.00	8.00	10.12	1.12
1/2 x 10	1043436	2600	88.00	.50	1.00	2.00	.50	3.00	10.00	12.12	1.12
1/2 x 12	1043454	2600	114.20	.50	1.00	2.00	.50	3.00	12.00	14.12	1.12
5/8 x 4	1043472	5200	103.10	.62	1.25	2.50	.62	2.00	4.00	6.69	1.44
5/8 x 6	1043490	5200	118.20	.62	1.25	2.50	.62	3.00	6.00	8.69	1.44
5/8 x 8	1043515	5200	135.10	.62	1.25	2.50	.62	3.00	8.00	10.69	1.44
5/8 x 10	1043533	5200	153.60	.62	1.25	2.50	.62	3.00	10.00	12.69	1.44
5/8 x 12	1043551	5200	167.10	.62	1.25	2.50	.62	4.00	12.00	14.69	1.44
3/4 x 4-1/2	1043579	7200	168.60	.75	1.50	3.00	.75	2.00	4.50	7.69	1.69
3/4 x 6	1043597	7200	184.50	.75	1.50	3.00	.75	3.00	6.00	9.19	1.69
3/4 x 8	1043613	7200	207.90	.75	1.50	3.00	.75	3.00	8.00	11.19	1.69
3/4 x 10	1043631	7200	235.00	.75	1.50	3.00	.75	3.00	10.00	13.19	1.69
3/4 x 12	1043659	7200	257.50	.75	1.50	3.00	.75	4.00	12.00	15.19	1.69
3/4 x 15	1043677	7200	298.00	.75	1.50	3.00	.75	5.00	15.00	18.19	1.69
7/8 x 5	1043695	10600	270.00	.88	1.75	3.50	.88	2.50	5.00	8.75	2.00
7/8 x 8	1043711	10600	308.00	.88	1.75	3.50	.88	4.00	8.00	11.75	2.00
7/8 x 12	1043739	10600	400.00	.88	1.75	3.50	.88	4.00	12.00	15.75	2.00
1 x 6	1043757	13300	421.00	1.00	2.00	4.00	1.00	3.00	6.00	10.31	2.31
1 x 9	1043775	13300	468.50	1.00	2.00	4.00	1.00	4.00	9.00	13.31	2.31
1 x 12	1043793	13300	540.00	1.00	2.00	4.00	1.00	4.00	12.00	16.31	2.31
1 x 18	1043819	13300	650.00	1.00	2.00	4.00	1.00	7.00	18.00	22.31	2.31
1-1/4 x 8	1043837	21000	750.00	1.25	2.50	5.00	1.25	4.00	8.00	13.38	2.88
1-1/4 x 12	1043855	21000	900.00	1.25	2.50	5.00	1.25	4.00	12.00	17.38	2.88
1-1/4 x 20	1043873	21000	1210.00	1.25	2.50	5.00	1.25	6.00	20.00	25.38	2.88

*Ultimate Load is 5 times the Working Load Limit. Working Load Limit shown is for in-line pull. Maximum Proof Load is 2 times the Working Load Limit.



G-277 SHOULDER NUT EYE BOLTS

- Forged Steel - Quenched and Tempered.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Working Load Limits shown are for in-line pull. For angle loading, see page 200.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these bolts meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.
- All Bolts Hot Dip galvanized after threading (UNC).
- Furnished with standard Hot Dip galvanized, heavy hex nuts.

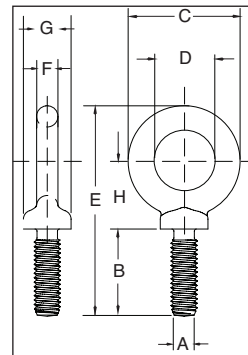


Shank Diameter & Length (in.)	G-277 Stock No.	Working Load Limit (lbs.)*	Weight Per 100 (lbs.)	Dimensions (in.)									
				A	B	C	D	E	F	G	H	J	
3/8 x 4-1/2	1045112	1550	25.30	.38	.75	1.38	.31	2.50	4.50	5.97	.78	.66	
1/2 x 3-1/4	1045130	2600	42.60	.50	1.00	1.75	.38	1.50	3.25	5.12	1.00	.91	
1/2 x 6	1045158	2600	56.80	.50	1.00	1.75	.38	3.00	6.00	7.88	1.00	.91	
5/8 x 4	1045176	5200	68.60	.62	1.25	2.25	.50	2.00	4.00	6.44	1.31	1.12	
5/8 x 6	1045194	5200	102.40	.62	1.25	2.25	.50	3.00	6.00	8.44	1.31	1.12	
3/4 x 4-1/2	1045210	7200	144.50	.75	1.50	2.75	.62	2.00	4.50	7.44	1.56	1.38	
3/4 x 6	1045238	7200	167.50	.75	1.50	2.75	.62	3.00	6.00	8.94	1.56	1.38	
7/8 x 5	1045256	10600	225.00	.88	1.75	3.25	.75	2.50	5.00	8.46	1.84	1.56	
1 x 6	1045292	13300	366.30	1.00	2.00	3.75	.88	3.00	6.00	9.97	2.09	1.81	
1 x 9	1045318	13300	422.50	1.00	2.00	3.75	.88	4.00	9.00	12.97	2.09	1.81	
1-1/4 x 8	1045336	21000	650.00	1.25	2.50	4.50	1.00	4.00	8.00	12.72	2.47	2.28	
1-1/4 x 12	1045354	21000	795.00	1.25	2.50	4.50	1.00	4.00	12.00	16.72	2.47	2.28	
1-1/2 x 15	1045372	24000	1425.00	1.50	3.00	5.50	1.25	6.00	15.00	20.75	3.00	2.75	



S-279 UNC SHOULDER TYPE MACHINERY EYE BOLTS

- Forged Steel - Quenched & Tempered.
- Working Load Limits shown are for in-line pull. For angle loading, see page 200.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Recommended for in-line pull.
- S-279 threaded UNC.
- M-279 metric threaded.
- Meets or exceeds all requirements of ASME B30.26 including identification, ductility, design factor, proof load and temperature requirements. Importantly, these bolts meet other critical performance requirements including fatigue life, impact properties and material traceability, not addressed by ASME B30.26.



Size (in.)	S-279 Stock No.	Working Load Limit (lbs.)*	Weight Per 100 (lbs.)	Dimensions (in.)							
				A** Thread	B	C	D	E	F	G	H
1/4 x 1	9900182	650	5.00	1/4 - 20	1.02	1.13	.75	2.29	.19	.53	.77
5/16 x 1-1/8	9900191	1200	9.00	5/16 - 18	1.15	1.38	.88	2.74	.25	.59	.95
3/8 x 1-1/4	9900208	1550	15.00	3/8 - 16	1.27	1.62	1.00	3.07	.31	.69	1.05
1/2 x 1-1/2	9900217	2600	28.00	1/2 - 13	1.53	1.95	1.19	3.70	.38	.91	1.27
5/8 x 1-3/4	9900226	5200	55.00	5/8 - 11	1.79	2.38	1.38	4.45	.50	1.13	1.53
3/4 x 2	9900235	7200	96.00	3/4 - 10	2.05	2.76	1.50	5.07	.63	1.38	1.71
7/8 x 2-1/4	9900244	10600	154.00	7/8 - 9	2.31	3.25	1.75	5.87	.75	1.56	2.00
1 x 2-1/2	9900253	13300	238.00	1 - 8	2.57	3.76	2.00	6.66	.88	1.81	2.30
1-1/8 x 2-3/4	9900257	15000	320.00	1-1/8 - 7	2.75	4.19	2.25	7.20	.97	2.06	2.35
1-1/4 x 3	9900262	21000	399.00	1-1/4 - 7	3.09	4.50	2.50	7.95	1.00	2.28	2.73
1-1/2 x 3-1/2	9900271	24000	720.00	1-1/2 - 6	3.60	5.50	3.00	9.49	1.25	2.75	3.28
1-3/4 x 3-3/4	9900280	34000	1040.00	1-3/4 - 5	3.75	6.26	3.50	10.48	1.38	3.00	3.60
2 x 4	9900289	42000	1880.00	2 - 4 1/2	4.00	7.62	4.00	12.31	1.81	3.38	4.50
2-1/2 x 5	9900298	65000	3250.00	2-1/2 - 4	5.00	8.76	4.50	14.88	2.12	4.25	5.50

MALLEABLE CLIPS

This design of wire rope clip is available to handle wire rope or strand sizes ranging from 1/16" - 1-1/8". Malleable wire rope clips are used in light duty & general purpose applications while drop forged wire rope clips are recommended for overhead lifting applications. Each malleable wire rope clip is zinc plated according to federal specification FF-C-450 D, TYPE 1, CLASS 2.



Stock Number	Size in Inches	Minimum Clips Required	Torque in Pounds	Turnback length in Inches
400-2240	1/16	3	2	3
400-2250	1/8	3	3	4 3/4
400-2260	3/16	3	4.5	5 1/2
400-2270	1/4	3	15	7
400-2280	5/16	3	15	7 3/4
400-2290	3/8	3	30	9 1/2
400-2300	7/16	4	40	10 1/4
400-2310	1/2	4	45	15 1/4
400-2320	9/16	4	50	16
400-2330	5/8	4	75	16
400-2340	3/4	5	75	22 1/4
400-2350	7/8	5	130	23 1/2
400-2360	1	6	130	31
400-2370	1 1/8	7	200	39 1/2

HEAVY DUTY THIMBLES

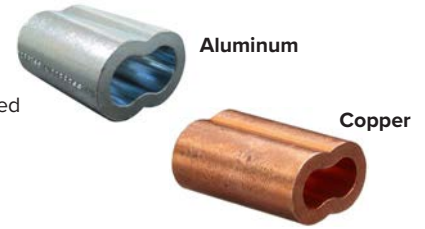
- Available in sizes from 1/4" - 1 1/8"
- Hot dipped galvanized
- meet the requirements of Federal Specification FF-276b, Type III.



Stock Number	Size in Inches
400-310	1/4
400-320	5/16
400-330	3/8
400-340	7/16
400-350	1/2
400-370	5/8
400-380	3/4
400-390	7/8
400-400	1
400-410	1 1/8

OVAL SLEEVES

- Grade 100
- Forged Alloy Steel
- Individually Proof Tested



Aluminum Oval Sleeves

Stock Number	Rope Diameter in Inches
350-20	1/16
350-30	3/32
350-40	1/8
350-50	5/32
350-60	3/16

Copper Oval Sleeves

Stock Number	Rope Diameter in Inches
350-100	1/16
350-110	3/32
350-120	1/8
350-125	5/32
350-130	3/16

CABLE CUTTER

- Plastic coated handles afford a firm, comfortable grip
- Length of cutting blades will allow user to "capture" cable or wire in cutting motion
- Softer spring allows easy closure of the tool, vastly reducing repetitive motion stress
- Length: 7.5 in./ 190mm
- Weight: 9.05 oz / 270g



Stock Number	Maximum Cable Size Designed to Cut
350-140	3/16"

HAND SWAGERS

- For copper and aluminium sleeves only
- Heavy duty metal construction
- Smooth rubber hand grips for comfort in use



Stock Number	Cable Size Designed to Swage
350-170	3/64"
350-180	1/16"
350-210	1/16"-3/16"

GALVANIZED TURNBUCKLES

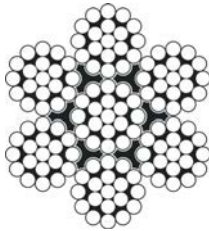
Hot Dip Galvanized & Drop Forged



Size (Diameter x Take up) in Inches	Approximate Weight each in Pounds			Working Load Limit in Pounds		Average Overall Length with Ends in Closed Position
	Approx. Weight Each in Pounds	Eyes and/or Hooks	Jaw & Eye	Hook & Hook Hook & Eye	Eye & Eye Jaw & Eye Jaw & Jaw	
1/4 x 4	.3	.3	.4	400	500	8.25
5/16 x 4 1/2	.5	.53	.58	700	800	9.56
3/8 x 6	.75	.82	.93	1,000	1,200	11.88
1/2 x 6	1.50	1.62	1.68	1,500	2,200	13.31
1/2 x 9	1.75	1.82	1.85	1,500	2,200	16.31
1/2 x 12	2.18	2.19	2.20	1,500	2,200	19.31
5/8 x 6	2.63	2.69	2.82	2,250	3,500	15.50
5/8 x 9	3.00	3.01	3.25	2,250	3,500	18.50
5/8 x 12	3.25	3.50	3.75	2,250	3,500	21.50
3/4 x 6	3.75	4.25	4.68	3,000	5,200	17.00
3/4 x 9	4.50	5.00	5.38	3,000	5,200	20.00
3/4 x 12	5.75	5.75	6.12	3,000	5,200	23.00
3/4 x 18	7.00	7.25	7.75	3,000	5,200	29.00
7/8 x 12	8.38	8.88	9.38	4,000	7,200	24.63
7/8 x 18	10.25	10.60	11.44	4,000	7,200	30.63
1 x 6	10.75	11.10	11.80	5,000	10,000	20.63
1 x 12	11.25	12	12.88	5,000	10,000	26.63
1 x 18	14	14.75	16.1	5,000	10,000	32.63
1 x 24	17	17.75	18.6	5,000	10,000	39.63
1 1/4 x 12	19	21.2	23.6	5,000	15,200	29.88
1 1/4 x 18	24.1	26.0	26.6	5,000	15,200	35.88
1 1/4 x 24	25	28.7	31.2	5,000	15,200	41.88
1 1/2 x 12	27	31.1	35.5	7,500	21,400	32.88
1 1/2 x 18	31.2	36.4	40.7	7,500	21,400	38.88
1 1/2 x 24	38.2	44.2	47.63	7,500	21,400	44.38
1 3/4 x 18	53	57.5	62	--	28,000	41.38
1 3/4 x 24	58	60	64	--	28,000	47.75
2 x 24	90	102	115	--	37,000	51.75
2 1/2 x 24	163	180	200	--	60,000	58.50
2 3/4 x 24	180	214	248	--	75,000	61.50

STAINLESS STEEL AIRCRAFT CABLE
TYPE 304

This cable features a 7x19 construction and is available in diameters ranging from 3/32" to 3/8". Custom spools are offered, as well as, bulk spools of 5,000 feet. The wire rope is made from grade 304 stainless steel for optimal corrosion resistance and durability.



This cable features a 7x7 construction and is available in diameters ranging from 1/16" to 1/4". Custom spools are offered, as well as, bulk spools of 5,000 feet. The wire rope is made from grade 304 stainless steel for optimal corrosion resistance and durability.



7x19 Construction

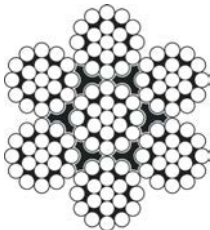
Stock No.	Rope Diameter in Inches	Approximate Weight Per 1000 Foot in Pounds	Nominal Breaking Strength in Pounds
300-200	3/32	17.4	920
300-210	1/8	29	1,760
300-220	5/32	45	2,400
300-230	3/16	65	3,700
300-240	1/4	110	6,400
300-250	5/16	173	9,000
300-260	3/8	243	12,000

7x7 Construction

Stock No.	Rope Diameter in Inches	Approximate Weight Per 1000 Foot in Pounds	Nominal Breaking Strength in Pounds
300-170	1/16	7.5	480
300-180	3/32	16	920
300-190	1/8	28.5	1,700
-	5/32	43	2,400
-	3/16	62	3,700
-	1/4	106	6,400

STAINLESS STEEL AIRCRAFT CABLE
TYPE 316

This cable features a 7x19 construction and is available in diameters ranging from 1/8" to 3/8". Custom spools are offered, as well as, bulk spools of 5,000 feet. The wire rope is made from grade 316 stainless steel for maximum corrosion resistance and durability.



This cable features a 7x7 construction and is available in diameters ranging from 1/16" to 1/4". Custom spools are offered, as well as, bulk spools of 5,000 feet. The wire rope is made from grade 316 stainless steel for maximum corrosion resistance and durability.



7x19 Construction

Stock Number	Rope Diameter in Inches	Approximate Weight Per 1000 Foot in Pounds	Nominal Breaking Strength in Pounds
300-215	1/8	29	1,300
300-235	3/16	65	2,900
300-245	1/4	110	4,900
300-255	5/16	173	7,600
300-265	3/8	243	11,000

7x7 Construction

Stock Number	Rope Diameter in Inches	Approximate Weight Per 100 Foot in Pounds	Nominal Breaking Strength in Pounds
300-175	1/16	1.00	360
300-185	3/32	2.00	700
300-195	1/8	3.00	1,360
-	5/32	4.00	2,200
-	3/16	6.00	3,100
-	1/4	11.00	5,200

STAINLESS STEEL THIMBLES

Available in sizes ranging from 1/8" to 5/8" to ensure a perfect fit for every project. This thimble is made from grade 316 stainless steel for maximum corrosion resistance and durability. It is ideal for marine and industrial rigging and wire rope applications.



Stock Number	Wire Rope Diameter in Inches
400-440	1/8
400-450	3/16
440-460	1/4
400-470	5/16
400-480	3/8
400-490	1/2
400-500	5/8

316 STAINLESS STEEL CHAIN

The most commonly used chain for marine applications. This chain complies fully with all requirements of the US National Association of Chain Manufacturers' specifications.



Chain Size (in.)	Working Load Limit (lbs.)	Weight (lbs./ft.)
5/32	500	0.20
3/16	1,200	0.30
1/4	1,570	0.57
5/16	2,400	0.98
3/8	3,550	1.50
1/2	5,400	2.00
5/8	11,000	3.31
3/4	15,000	5.00

STAINLESS STEEL SCREW PIN ANCHOR SHACKLES

This anchor shackle is made from grade 316 NM stainless steel and features an oversize screw pin. Stainless steel anchor shackles are ideal for salt water applications. The anchor shackle is primarily used to connect the anchor to the chain.



Stock Number	Rope Diameter in Inches	Work Load Limit in Pounds
600-1980	1/4	1,000
600-2080	5/16	1,500
600-2180	3/8	2,000
600-2380	1/2	4,000
600-2470	5/8	6,000

STAINLESS STEEL TURNBUCKLES

Made from grade 316 stainless steel for maximum corrosion resistance and durability. They are ideal for marine and industrial applications.



Eye & Eye Stock Number	Jaw & Jaw Stock Number	Turnbuckle Size	Work Load Limit in Pounds
600-27245	600-28020	3/8" x 6"	1,200
600-27295	600-28070	1/2" x 6"	2,200
600-27420	600-28170	5/8" x 6"	3,500
600-27495	600-28270	3/4" x 6"	5,200

STAINLESS STEEL CLIPS

Stock Number	Size in Inches	Minimum Clips Required	Turnback length in Inches
400-2110	1/6	2	2 1/2
400-2120	1/8	2	3 1/4
400-2130	3/16	3	3 3/4
440-2140	1/4	3	4 3/4
400-2160	5/16	3	5 1/4
400-2170	3/8	3	6 1/2
400-2180	1/2	3	11 1/2
call	5/8	3	12
call	3/4	4	18
call	7/8	4	19
call	1	5	26



This wire clip is precision cast and made from grade 316 stainless steel for maximum corrosion resistance and durability. It is ideal for marine and industrial rigging applications.

GRADE 100 ALLOY CHAIN

- Alloy Steel.
- Heat Treated.
- 25% stronger than Grade 80 Alloy Chain.
- Permanently embossed with CG (Crosby Group) and 10 (Grade).
- Finish - Black rust preventative coating.
- Proof Tested at 2 times the Working Load Limit with certification.



Stock Number	Chain Size (in.)	Working Load Limit (lbs.)	Approximate Weight Per 100 Ft. (lbs.)
1600-2110	9/32 (1/4)	4,300	75
1600-2210	3/8	8,800	148
1600-2310	1/2	15,000	249
1600-2410	5/8	22,600	378
1600-2510	3/4	35,300	590

A-342 MASTER LINK

- Alloy Steel — Quenched and Tempered.
- Individually Proof Tested to values shown, with certification.
- Proof Tested with special fixtures sized to prevent localized point loading.



Stock Number	Crosby Part Number	Size (in.)	Working Load Limit in Pounds	Weight Each (lbs.)
600-20	1014266	1/2	7,400	1.3
600-110	1014280	5/8	9,000	1.5
600-210	1014285	3/4	12,300	2.0
600-275	3522213	7/8	15,200	3.3
600-315	3522214	1	26,000	6.1
600-415	3522215	1 1/4	39,100	12.0
600-515	3522216	1 1/2	61,100	18.6
600-610	3522217	1 3/4	84,900	25.2
600-710	3522218	2	102,600	37.0

LOK-A-LOY 10 ALLOY CONNECTING LINKS

- Suitable for use with both Grade 80 and Grade 100 chain.
- Individually Proof Tested at 2-1/2 times Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly - no special tools needed.
- Meets ASTM A-952-02 standards for Grade 100 chain fittings.
- Forged Alloy Steel - Quenched and Tempered.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-1445	1015104	9/32 (1/4)	4,300	.26
1700-1458	1015122	3/8	8,800	.75
1700-1465	1015136	1/2	15,000	1.60
1700-1482	1015145	5/8	22,600	2.68
1700-1490	1015154	3/4	35,300	5.00

A-1358 CLEVIS GRAB HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-962	1049610	9/32 (1/4)	4,300	1.00
1700-972	1049629	3/8	8,800	1.80
1700-1002	1049647	1/2	15,000	3.92
1700-1023	1049656	5/8	22,600	7.00

A-1338 CLEVIS CRADLE GRAB HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification
- The use of A-1338 Cradle Grab Hook will allow 100 percent of the chain sling capacity. When used to hook back to chain leg to form a choker, the angle of the choke must be 120 degrees or greater. When used as a chain shortener, minimize twist of chain and ensure chain is fully engaged in hook.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-965	1049417	9/32 (1/4)	4,300	.45
-	1049426	5/16	5700	.99
1700-974	1049435	3/8	8,800	1.80
1700-1004	1049444	1/2	15,000	3.92
1700-1025	1049453	5/8	22,600	7.00

A-1328 EYE GRAB HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-905	1026169	1/4 - 5/16	5,700	0.98
1700-915	1026187	3/8	8,800	1.60
1700-925	1026196	1/2	15,000	3.30
1700-935	1026205	5/8	22,600	6.00
1700-945	1026214	3/4	35,300	10.00

A-1339 CLEVIS SLING HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby & U.S.A. in raised letters.
- Low profile hook tip.
- New integrated latch (S-4320/S-4339) meets the world standard for lifting.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-1140	1049112	9/32 (1/4)	4,300	1.58
1700-1182	1049130	3/8	8,800	2.58
1700-1252	1049149	1/2	15,000	5.28
1700-1285	1049158	5/8	22,600	9.81
1700-1300	1049167	3/4	35,300	18.3

S-1327 EYE SLING HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby & U.S.A. in raised letters.
- Low profile hook tip.
- New integrated latch (S-4320/S-4339) meets the world standard for lifting.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-1090	1025869	1/4 (5/16)	5,700	1.3
1700-1100	1025878	3/8	8,800	2.3
1700-1110	1025887	1/2	15,000	4.5
1700-1120	1025896	5/8	22,600	8.4
1700-1130	1025915	3/4	35,300	15.0

A-1359 CLEVIS FOUNDRY HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Hook can be tip loaded at the reduced Working Load Limit. Operator must ensure the load is retained properly in the hook.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-1340	1049907	9/32 (1/4)	4,300	2.10
1700-1350	1049916	3/8	8,800	4.29
1700-1360	1049925	1/2	15,000	7.93
1700-1365	1049934	5/8	22,600	14.2
-	1049943	3/4	35,300	24.7

A-1329 EYE FOUNDRY HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Suitable for use with Grade 100 and Grade 80 chain.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- Hook can be tip loaded at the reduced Working Load Limit. Operator must ensure the load is retained properly in the hook.



Stock Number	Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-1370	1026280	9/32 (1/4)	4,300	2.40
1700-1380	1026289	3/8	8,800	4.50
1700-1390	1026297	1/2	15,000	7.10
1700-1400	1026306	5/8	22,600	12.20
1700-1405	1026315	3/4	35,300	19.30

S-1325A GRADE 100 CHAIN COUPLER

- Designed to connect Grade 100 chain fittings produced with "Engineered Flat" to Grade 100 chain.
- Forged Alloy Steel - Quenched and Tempered.
- Suitable for use with Grade 100 and Grade 80 chain.
- Individually Proof Tested to 2-1/2 times the Working Load Limit with certification.
- Locking system that provides for simple assembly and disassembly – no special tools required.



Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1098500	9/32 (1/4)	4,300	.26
1098508	3/8	8,800	.75
1098512	1/2	15,000	1.60
1098516	5/8	22,600	2.68

A-1355 CHAIN CHOKER HOOK

- Forged Alloy Steel - Quenched and Tempered.
- Individually Proof Tested with certification.
- Rated for Grade 100 chain in choker applications.
- Each hook has a Product Identification Code (PIC) for material traceability, along with the size and the name Crosby & U.S.A. in raised letters.
- Fatigue rated at 1-1/2 times the Working Load Limit at 20,000 cycles.
- For use with S-1325 Chain Coupler Link.



Crosby Part Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1015204	1/4	5,700	.77
1015213	3/8	8,800	1.65
1015222	1/2	15,000	3.14
1015231	5/8	22,600	6.97

GRABIQ GRADE 100 ALLOY CHAIN

- Each link calibrated & pull tested to 2 ½ times working load limit
- Minimum elongation of 20%
- Fully hardened & tempered alloy steel
- Distinctive blue powder coat finish
- Links embossed with grade and traceability code



Model	Chain Size (in.)	Working Load Limit (lbs.)	Approximate Weight Per 100 Ft. (lbs.)
KLA-8-10	5/16	5,700	97
KLA-10-10	3/8	8,800	151
KLA-13-10	1/2	15,000	253
KLA-16-10	5/8	22,600	394

MF OBLONG MASTER LINK

- Wide master link to fit most standard hooks.
- Engineered flat to help match with correct connecting link
- Product identification code for full traceability
- Proof tested to 2 ½ times working load limit



Model	Trade Size (in.)	Working Load Limit (lbs.)			Weight Each (lbs.)
		1 Leg Slings	2 Leg Slings	3/4 Leg Slings	
MF-86-10	1/2"	5,700	-	-	0.9
MF-108-10	5/8"	8,800	9,900	-	1.8
MF-1310-10	7/8"	15,000	15,200	14,800	3.3
MF-1613-10	1"	22,600	26,000	22,900	4.8
MF-2016-10	1 3/8"	-	39,100	39,000	11.5
MF-2220-10	1 1/2"	-	-	58,700	16.1

MFH OBLONG MASTER LINK

- The MFH GrabiQ Master Link is oversized for large crane hooks. It is used to fabricate 1-Leg and 2-Leg chain slings using C-Connectors.
- Oversized master link to fit most large crane hooks.
- Engineered flat to help match with correct connecting link
- Product identification code for full traceability
- Proof tested to 2 ½ times working load limit



Model	Trade Size (in.)	Working Load Limit (lbs.)		Weight Each (lbs.)
		1 Leg Slings	2 Leg Slings	
MFH-108-10	1	5,700	-	8.2
MFH-108-10	1	8,800	9,900	8.2
MFH-1310-10	1 1/8	15,000	15,200	10.4
MFH-1613-10	1 3/8	22,600	26,000	15.6
MFH-2016-10	1 1/2	-	39,100	18.7

MFH OBLONG MASTER LINK

- Designed for use with CL, CLD, CG and CGD. 3- and 4-leg chain slings require CLD / CGD.
- Grade 100
- Forged Alloy Steel
- Individually Proof Tested



Model	Trade Size (in.)	Working Load Limit (lbs.)			Weight Each (lbs.)
		1 Leg Slings	2 Leg Slings	3/4 Leg Slings	
MFH-1310-10	7/8	5,700	-	-	4.2
MFH-1310-10	7/8	8,800	9,900	-	4.2
MFH-1310-10	7/8	15,000	15,200	14,800	4.2
MFH-1613-10	1	22,600	26,000	22,900	7.1
MFH-2016-10	1 1/4	-	39,100	39,000	10.1
MFH-2220-10	1 1/2	-	-	58,700	19.0

MASTER GRAB TYPE MG

- Fully self-contained top assembly for 1-leg, adjustable sling
- Integrated cradle chain pocket for shortening leg
- Product Information Code for full traceability
- Forged model number includes fitting size and grade
- Proof tested to 2 ½ times Working Load Limit



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
MG-8-10	5/16	5,700	2.0
MG-10-10	3/8	8,800	4.0
MG-13-10	1/2	15,000	7.7
MG-16-10	5/8	22,600	13.4

MASTER GRAB TYPE MGD

- Fully self-contained top assembly for 2-leg, adjustable sling
- Integrated cradle chain pocket for shortening leg
- Product Information Code for full traceability
- Forged model number includes fitting size and grade
- Proof tested to 2 ½ times Working Load Limit
- Chain shortening pockets are 100% efficient



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
MGD-8-10	5/16	9,900	2.9
MGD-10-10	3/8	15,200	5.1
MGD-13-10	1/2	26,000	11.5
MGD-16-10	5/8	39,100	17.4

C-GRAB TYPE CG

- Includes integrated chain pocket for shortening
- Chain is cradled so working load limit is not reduced when shortening chain leg
- Product identification code for full traceability
- Proof tested to 2 ½ times working load limit



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
CG-8-10	5/16	5,700	1.5
CG-10-10	3/8	8,800	3.3
CG-13-10	1/2	15,000	7.1
CG-16-10	5/8	22,600	13.4

C-GRAB TYPE CGD

- Includes integrated chain pocket to adjust each leg
- Chain is cradled so working load limit is not reduced when shortening chain leg
- Product identification code for full traceability
- Proof tested to 2 ½ times working load limit



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
CGD-8-10	5/16	5,700	2.4
CGD-10-10	3/8	8,800	4.8
CGD-13-10	1/2	15,000	11.9
CGD-16-10	5/8	22,600	20.1

GG GRAB HOOK (CLEVIS CRADLE TYPE)

- No reduction in Working Load Limit due to supporting cross bar in saddle of hook
- Deep chain pocket
- Full traceability
- Proof tested and certified



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
GG-8-10	5/16	5,700	0.88
GG-10-10	3/8	8,800	2.0
GG-13-10	1/2	15,000	4.0
GG-16-10	5/8	22,600	6.8

EGKN SLING HOOK

- Wide throat opening for easy rigging
- Hood forged in hook protect latch top
- Latch spring is stainless steel
- Heavy duty tip interlocks with hook body
- Replacement latch can be installed in the field
- Full traceability
- Proof tested and certified



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
EGKN-8-10	5/16	5,700	1.1
EGKN-10-10	3/8	8,800	2.2
EGKN-13-10	1/2	15,000	5.1
EGKN-16-10	5/8	22,600	8.4

GBK SELF LOCKING HOOK

- Hook latch & bowl interlock for more stability from inadvertent side impact
- Stainless steel spring release trigger will only operate when hook is unloaded
- Full traceability
- Proof tested to 2 ½ times working load limit



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
GBK-8-10	5/16	5,700	1.8
GBK-10-10	3/8	8,800	3.1
GBK-13-10	1/2	15,000	6.0
GBK-16-10	5/8	22,600	9.7

LKBK SWIVEL HOOK WITH BEARING

- Ball bearing allows hook to swivel under load
- Hook latch & bowl interlock for more stability from inadvertent side impact
- Bail allows attachment to chain, wire rope, or synthetic slings
- Stainless steel spring release trigger will only operate when hook is unloaded
- Full traceability
- Proof tested to 2 ½ times working load limit



Model	Chain Size (in.)	Working Load Limit (lbs.)	Weight Each (lbs.)
LKBK-8-10	5/16	5,700	1.8
LKBK-10-10	3/8	8,800	4.0
LKBK-13-10	1/2	15,000	8.4
LKBK-16-10	5/8	22,600	13.2

GRADE 70 TRANSPORT CHAIN

- **Do not use for overhead lifting**
- High-carbon steel, heat treated
- Zinc plated with gold chromate finish
- Thermal heat treated using advanced technology
- Heat treated for superior wear and toughness
- Design factor 4:1



Stock No.	Chain Size In Inches	Feet for Half of a Drum	Approx. Weight Per 100 Feet (lbs.)	Working Load Limit in Pounds
1600-1710	1/4	400	75	3,150
1600-1810	5/16	275	111	4,700
1600-1910	3/8	200	157	6,600
1600-2010	1/2	100	274	11,300

GRADE 70 CLEVIS GRAB HOOK

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

- **Do not use for overhead lifting**
- Designed specifically for transport Grade 70 chain
- 4:1 design factor
- Yellow chromate finish



Stock No.	Size in Inches	Work Load Limit in Pounds	Unit Weight in Pounds
1700-750	5/16"	4,700	.70
1700-760	3/8"	6,600	1.06
1700-780	1/2"	11,300	2.31

GRADE 70 EYE GRAB HOOK

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.

- **Do not use for overhead lifting**
- Designed specifically for transport Grade 70 chain
- 4:1 design factor
- Self-colored finish



Stock No.	Size in Inches	Work Load Limit in Pounds	Unit Weight in Pounds
1700-750	5/16"	4,700	.70
1700-760	3/8"	6,600	1.06
1700-780	1/2"	11,300	2.31

GRADE 70 CLEVIS SLIP HOOK

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.

- **Do not use for overhead lifting**
- 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



Stock Number	Size in Inches	Work Load Limit in Pounds	Unit Weight in Pounds
1700-830	5/16"	4,700	.94
1700-840	3/8"	6,600	1.44
1700-860	1/2"	11,300	2.86
1700-870	5/8"	15,800	3.8

GRADE 70 CLEVIS SLIP HOOK W/LATCH

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.

- **Do not use for overhead lifting**
- Designed specifically for transport Grade 70 chain
- 4:1 design factor
- Galvanized Finish



Stock No.	Size in Inches	Work Load Limit in Pounds	Unit Weight in Pounds
1700-835	5/16"	4,700	.95
1700-845	3/8"	6,600	1.46
1700-865	1/2"	11,300	2.88

GRADE 70 BINDER CHAINS

- Do not use for overhead lifting
- Meets all Department of Transportation requirements and is required in most state by the D.O.T
- Custom lengths available

Stock Number	Chain Size and Length	Work Load Limit in Pounds	Breaking Strength in Pounds	Unit Weight in Pounds
1800-275	5/16" x 10'	4,700	18,800	11
1800-300	5/16" x 14'	4,700	18,800	15
1800-310	5/16" x 16'	4,700	18,800	17
1800-410	5/16" x 20'	4,700	18,800	21
1800-510	5/16" x 25'	4,700	18,800	26
1800-560	3/8" x 10'	6,600	26,400	17
1800-600	3/8" x 14'	6,600	26,400	21
1800-610	3/8" x 16'	6,600	26,400	24
1800-710	3/8" x 20'	6,600	26,400	30
1800-810	3/8" x 25'	6,600	26,400	37



HEAVY DUTY RATCHET BINDER - PRO-BIND SERIES

This Durabilt Ratchet Load Binder is the professional way to anchor and tie down large loads. Big handles and carbon steel construction for maximum leverage and greater strength. Ratchet makes load tightening faster and easier and permits quicker tightening if load shifts. Great for securing heavy equipment, cargo and more.

Stock Number	Chain Size Min. to Max	Work Load Limit in Pounds	Maximum Take Up	Unit Weight in Pounds
1700-1870	3/16" to 1/4"	2,600	4"	3.5
1700-1880	5/16" to 3/8"	7,300	8"	12.5
1700-1910	3/8" to 1/2"	12,000	8"	12.9
1700-1930	1/2" to 5/8"	13,000	8"	15
1700-1935	1/2" to 5/8" with 5/8" Slip Hook	13,000	8"	16.3



LEVER TYPE LOAD BINDERS

- Designed for quick and secure loading
- Forged handle snaps the binders easily in place
- Features a grab hook on each end
- 5" take up for secure chain tensioning
- Meets all CVSA and DOT requirements



Stock Number	Chain Size Min. to Max	Work Load Limit in Pounds	Maximum Take Up	Unit Weight in Pounds
1700-1790	3/16" to 1/4"	2,600	3 3/4"	3
1700-1800	5/16" to 3/8"	5,400	4 1/2"	8
1700-1820	3/8" to 1/2"	9,200	4 1/2"	10

GRADE 30 SELF COLORED CHAIN

Grade 30 chain, commonly called Proof Coil, is manufactured to meet ASTM & NACM specifications. Typical uses include barrier chains, trailer safety chains, light construction, marine industry, etc. **It should not be used for overhead lifting.**



Stock Number	Chain Size in Inches	Feet for Half of a Drum	Approximate Weight Per 100 Feet (lbs.)	Working Load Limit in Pounds
1600-10	3/16	500	40	750
1600-310	1/4	400	71	1,250
1600-610	5/16	275	109	1,900
1600-910	3/8	200	159	2,650

GRADE 30 ZINC PLATED CHAIN

Grade 30 chain, commonly called Proof Coil, is manufactured to meet ASTM & NACM specifications. Typical uses include barrier chains, trailer safety chains, light construction, marine industry, etc. **It should not be used for overhead lifting.**



Stock Number	Chain Size in Inches	Feet for Half of a Drum	Approximate Weight Per 100 Feet (lbs.)	Working Load Limit in Pounds
1600-110	3/16	500	40	750
1600-410	1/4	400	71	1,250
1600-710	5/16	275	109	1,900
1600-1010	3/8	200	159	2,650

GRADE 30 HOT DIP GALVANIZED CHAIN

Grade 30 chain, commonly called Proof Coil, is manufactured to meet ASTM & NACM specifications. Typical uses include barrier chains, trailer safety chains, light construction, marine industry, etc. **It should not be used for overhead lifting.**



Stock Number	Chain Size in Inches	Feet for Half of a Drum	Approximate Weight Per 100 Feet (lbs.)	Working Load Limit in Pounds
1600-210	3/16	500	40	750
1600-510	1/4	400	71	1,250
1600-810	5/16	275	109	1,900
1600-1110	3/8	200	159	2,650

GRADE 43 HIGH TEST CHAIN

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.**



Stock Number	Chain Size in Inches	Feet for Half of a Drum	Approximate Weight Per 100 Feet (lbs.)	Working Load Limit in Pounds
1600-1210	1/4	400	75	2,600
1600-1310	5/16	275	111	3,900
1600-1410	3/8	200	157	5,400
1600-1510	1/2	100	274	9,200

GRADE 43 CLEVIS SLIP HOOK

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



Stock Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-580	1/4	2,600	0.35
1700-600	5/16	3,900	0.63
1700-620	3/8	5,400	1.02
1700-650	1/2	9,200	2.27
1700-665	5/8	13,000	4.00

GRADE 43 EYE SLIP HOOK

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



Stock Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-510	1/4	2,600	0.38
1700-520	5/16	3,900	0.57
1700-530	3/8	5,400	0.83
1700-550	1/2	9,200	1.95
1700-560	5/8	13,000	3.72

GRADE 43 CLEVIS GRAB HOOK

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



Stock Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-450	1/4	2,600	0.37
1700-460	5/16	3,900	0.63
1700-470	3/8	5,400	1.10
1700-480	7/16	7,200	1.60
1700-490	1/2	9,200	2.42
1700-500	5/8	13,000	3.61

GRADE 43 EYE GRAB HOOK

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



Stock Number	Size in Inches	Working Load Limit (lbs.)	Weight Each (lbs.)
1700-390	1/4	2,600	0.30
1700-400	5/16	3,900	0.56
1700-410	3/8	5,400	0.87
1700-430	1/2	9,200	2.17
1700-440	5/8	13,000	3.89

S-237 DOUBLE CLEVIS LINK

- All pins alloy steel - Quenched and tempered
- Body is forged and heat treated carbon steel
- designed for linking all popular sizes of grade 30 and 40 chain to rings, end links, eye hooks, pad eyes, tractor eye bolts, etc.
- Features quick and easy assembly
- **Not to be used for overhead lifting**



Stock Number	Crosby Part Number	Size (in.)	Weight Each (lbs.)
1700-10	1013021	1/4"	.38
1700-20	1013049	5/16" - 3/8"	.81
1700-30	1013067	7/16"	1.25
1700-40	1013085	1/2"	1.56

S-249 TWIN CLEVIS LINK

- All pins alloy steel - Quenched and tempered
- Body is forged and heat treated carbon steel
- Twin clevis design provides a variety of uses and can be used with grade 30, grade 40 and grade 70 chain
- Features quick and easy assembly
- **Not to be used for overhead lifting**



Stock Number	Crosby Part Number	Size (in.)	Weight Each (lbs.)
1700-50	1012861	1/4" - 5/16"	.31
1700-60	1012889	3/8"	.44
1700-70	1012905	7/16" - 1/2"	.98



CROSBY IP10

The **IP10** vertical lifting clamp is used for the lifting, turning, moving or vertical transfer of sheet, plates, or fabrications from horizontal to vertical and down to horizontal (180°) as needed. Usually used as a single point pick or when used with a spreader beam with multiple vertical drop lines.

Crosby Part Number	Work Load Limit in Tons	Jaw Opening in Inches	Unit Weight in Pounds
2701674	1/2	0-5/8	4.0
2701662	1	0-3/4	4.4
2701676	2	0-1 3/8	15.0
2701664	3	0-1 5/8	30.4



CROSBY IPU10

The **IPU10** vertical lifting clamp is used for the lifting, turning, moving or vertical transfer of sheet, plates, or fabrications from horizontal to vertical and down to horizontal (180°) as needed. The hinged hoisting eye allows for the clamp to place and lift the load from any direction, or with a multiple leg sling without damaging the clamp.

Part Number	Work Load Limit in Tons	Jaw Opening in Inches	Unit Weight in Pounds
2701675	1/2	0-5/8	4.2
2701663	1	0-3/4	4.6
2701667	2	0-1 3/8	16.8
2701665	3	0-1 5/8	32.6



CROSBY IPH10

IPH10 clamps are made for the horizontal lifting and transfer of non-sagging material. These clamps should always be used in pairs (a minimum of two clamps per lift), and the Working Load Limits shown below are based on one pair of clamps, not per piece. And with the exception of the two smallest sizes, these clamps feature two great updates: 1) Magnets ensure the clamps remain in the proper position on the plate and 2) A handle and torsion spring that combine to make the placing of the clamp onto the plate quick, easy and safe.

Part Number	Work Load Limit in Tons	Jaw Opening in Inches	Unit Weight in Pounds
2703297	1/2	0-3/4	3.97
2703298	1	0-1 3/8	5.5
2703522	2	0-2 3/8	12.1
2703523	3	0-2 3/8	16.5
2703524	4 1/2	0-2 3/8	23.1

J.C. RENFROE MODEL LA

Model LA is an ergonomic vertical lifting clamp capable of turning a single plate or member from horizontal to vertical to horizontal through a 180 degree arc. It incorporates a push button auxiliary lock.

The “Lock Open – Lock Closed” feature facilitates attaching and removing the clamp from the plate.

Rated Capacity in Tons	Plate Thickness in Inches	Unit Weight in Pounds
1/2	0-5/8	4.13
1	0-3/4	5.13
2	0-1	16.88
3	0-1	32



J.C. RENFROE MODEL LPA

Model LPA is an ergonomic vertical lifting clamp capable of turning a single plate or member from horizontal to vertical to horizontal through a 180 degree arc. It incorporates an auxiliary push button lock. Permits side loading of lifting shackle to 90 degrees by de-rating of clamp's capacity. Refer to FIGURE 1 for de-rated capacities. The “Lock Open – Lock Closed” feature facilitates attaching and removing the clamp from the plate.

The **Model LPA** incorporates a pivoting shackle that permits side loading of the lifting shackle at 100 percent of rated capacity from vertical to 30 degrees, 75 percent of rated capacity between 30 and 45 degrees, and 50 percent of rated capacity between 45 and 90 degrees.

Rated Capacity in Tons	Plate Thickness in Inches	Unit Weight in Pounds
1/2	0-5/8	4.13
1	0-3/4	5.13
2	0-1	16.88
3	0-1	32



J.C. RENFROE MODEL LHC

LHC Model is a horizontal lifting clamp intended to be used in pairs, sets of pairs or in a tripod arrangement for transporting steel plates horizontally. The clamp is designed to lift individual sheets horizontally. Cam operations ensure a tight grip on the load. Serrated gripping cam bites into load for positive grip. Clamps rest in position on edge of plate until tension is applied to the load sling. Clamps must be used in single pairs (2), double pairs (4), or tripod (3) configuration with a lifting sling.

Rated Capacity in Tons	Jaw Opening in Inches	Unit Weight in Pounds
1/4	0-1	3
1/2	0-2	14
3/4	0-2	19
1 1/2	0-2	26
3	0-2	24
4	0-3	48





3.7

1t

0-20mm
0-3/4"

SpanSet 1-4V0
2002422

EXOSET UNIVERSIAL VERTICAL SAFETY LIFTING CLAMPS

Spanset, the market leader in webbing based products confirms once again its innovative power with the introduction of a series of universal vertical safety lifting clamps.

The Exoset safety lifting clamps are improved in many ways compared to the currently available lifting clamps. When starting development of the Exoset lifting clamps the main tasks were; improvement of safety on the work floor and improve handling of the clamps. We have realized both tasks in the development of the Exoset clamps and this is rewarded in the award of a DNV-GL certificate.

Exoset safety lifting clamps are the only lifting clamps in the world certified by DNV.

- DNV Type Approval – ST – 0378
- European Norm EN 13155
- USA Norm ASME B30.20, Design category C, Service class 4
- USA Norm ASME BTH – 1
- Australian Norm 4991
- European Machine Directive 2006/42/EC.



Improved Safety

We added a maximum W.L.L. indicator, located clearly visible in the hoisting eye and the grip. This Indicator makes it easy for the user to recognize for which maximum weight the lifting clamp can be used. Additionally we improved safety by applying a special coating on the cam segment and pivot. The coating works as wear indicator. When 50% of the coating has worn off, the parts has to be replaced. Both innovations improve safety on the work floor!

Easier Handling

The grip is developed to give the user a better grip on the clamp while attaching the clamp on the plate. We improved and enlarged the latch design for easier opening and closing. We constructed a very robust and light weight series of clamps. This was possible while we weld our bodies and use the highest quality Naxtra steel.

Vertical Transport of Plates - Universal

Suitable for lifting, turning (180°), moving and vertical transfer of sheet, plates and constructions. Plates can also be turned from horizontal to vertical and down to horizontal (180°) as needed. Fitted with a locking device for both open- and closed positions, which ensures complete safety. The hinged hoisting eye allows for the clamp to place and lift the load from any direction, or with a multiple leg sling without side loading the clamp.

Exoset Hoisting Eye Shaft

The Exoset hoisting eye shaft has two flat sides, due to this construction the friction is better distributed and indent in the body can be avoided. This construction distributes the force more evenly, reduces wear and prolongs the service life of the Exoset lifting clamp

Specification Table (Metric)

Standard Part Number	Hard Materials Part Number	Stainless Steel Part Number	Work Load Limit (t)	Jaw Opening (mm)	Unit Weight (kg)
2002421	2012561	2012567	1/2	0-16	1.9
2002422	2012562	2012568	1	0-20	2.1
2002423	2012563	2012569	2	0-35	7.6
2002424	2012564	2012570	3	0-40	14.8
2002425	2012565	2012571	5	0-40	16.0
2002426	2012566	2012572	6	0-50	24.0



LINCOLN STANDARD CABLE RATCHET WINCH HOIST

For over 60 years these hoists have set the standard for cable ratchet winch hoists. The Standard Series feature models from 1000 to 6000 lb capacity.

- Oiled for life bearings
- Highly flexible aircraft cable
- Hydraulically crimped copper sleeve for more uniform hold
- Reversable handle bends on overload
- Cable shield protects cable and promotes even winding
- USA forged steel hooks

Model Number	Cable Diamter (in.)	Handle Length (in.)	Single Line		Double Line		Hoist Weight (lbs.)
			Capacity (lbs.)	Lift Distance (ft.)	Capacity (lbs.)	Lift Distance (ft.)	
LH 1000-15	3/16	17-1/2	1,000	15	x	x	7
LH 1500-25	5/32	15	1,500	10	3,000	5	8.5
LH 2250-15	3/16	17-1/2	1,500	30	3,000	15	8.75
LH3000-10	7/32	20	2,000	20	4,000	10	9
LH4000-20	1/4	30	3,000	15	6,000	7 1/2	15.5



LINCOLN STANDARD WEB RATCHET WINCH HOIST

For over 40 years these web strap pullers have been the choice of the electric utility industry. These hoists meet the ASME B30.21 spec. and go further with our stress link overload warning system and RFID tracking. The Standard Series feature models from 2000 to 4000 lb capacity.

- Oiled for life bearings
- Synthetic web strap
- 1.25" OD fiberglass handle for extra stiffness
- Reversable handle with 2 spare stress links
- Double flanged drum - keeps web strap from coming in contact with ratchet teeth
- USA forged steel hooks

Model Number	Handle Length (in.)	Single Line		Double Line		Hoist Weight (Lbs.)
		Capacity (lbs.)	Lift Distance (ft.)	Capacity (lbs.)	Lift Distance (ft.)	
2W10	30	1,000	9	2,000	4.5	10.25
2W10S	20	1,000	9	2,000	4.5	10.25
3W08	30	1,500	7	3,000	3.5	10.25
3W08S	20	1,500	7	3,000	3.5	10.25
3W15	30	1,500	14	3,000	6.25	14
4W12	36	2,000	10	4,000	5	14.75



UBC UNIVERSAL BEAM CLAMP

Harrington's UBC Universal Beam Clamp is the perfect accessory when a temporary or semi-permanent hoist anchor point is required. Additionally used as a below-the-hook lifting attachment, this adjustable beam clamp offers an efficient, cost-effective method for most workholding and positioning applications. Available in capacities of 1, 2, 3, 5 and 10 Tons.



- Meets ASME BTH-1, ASME B30.20 and complies with portions of ASME B30.16 for use with manual and powered hoists
- Design factor minimum of 5:1 per ASME B30.16 requirements
- Lock nut feature resists loosening to improve secure clamping
- Built-in suspension pin for low headroom
- Metric rated capacity
- Each Universal Beam Clamp is individually serialized and load tested
- (test certificates included)
- Made in the USA

Part Number	Capacity in Tons	Flange Range (in.)	Max Beam Flange Thickness (in.)	Net Weight (lbs.)	Shipping Weight Approx (lbs.)
UBC010	1	3.00 to 7.50	0.83	8	10
UBC020	2			9	11
UBC030	3	4.00 to 12.00	1.00	19	22
UBC050	5			22	25
UBC0100	10	6.00 to 13.25	1.75	55	60



PT/GT MANUAL TROLLEYS

Harrington's PT push trolleys and GT geared trolleys are versatile and durable and are the economical choice for adding mobility to our hoists. Maintenance-free sealed ball bearings provide smooth operation and long efficient service.

- Capacities of PT push trolleys from ½ Ton through 10 Ton
- Capacities of GT geared trolleys from ½ Ton through 20 Ton
- Contoured wheels fit on tapered and flat flanged beams
- Lightweight and compact for easy installation
- Fully adjustable to fit any flange width

***For GT geared trolley inquiries, please contact us for more information*



Part Number	Capacity (Tons)	Minimum Radius for Curve (in.)	Flange Width Adjustability (in.)	Net Weight (lbs.)	Shipping Weight (lbs.)
PTF2005	1/2	13.8	2.28 to 4.00	9	9
PTF2010	1	17.7	2.28 to 5.00	15	16
PTF2020	1 1/2 - 2	21.7	3.23 to 6.02	29	30
PTF2030	2 1/2 - 3	25.6		46	47
PTF2050	5	78.7	4.92 to 7.02	95	98
PT080	8	118.1	8.67 to 12.00	212	254
PT100	10				



LB LEVER HOIST

The LB Series of lever hoists offers a low headroom, compact design that is perfect for use in tight quarters. Regarded as the best lever hoist in the industry, our LB is recommended for use in heavy-duty construction work, mining, manufacturing, shipbuilding and day-to-day maintenance and repair.

Many Benefits From More Features:

- Rugged, all-steel construction that actually weighs less than comparable aluminum models.
- Get positive braking action with Weston-style load brake incorporating two moisture-resistant brake pads with four braking surfaces. Includes two brake pawls for additional reliability.
- Enjoy protection against dirt and moisture with a totally enclosed brake mechanism.
- Ensure long life with machined, heat-treated, split load double reduction gears.
- Operate in close quarters with short steel handle and 15-degree recovery strokes.
- Patented spring-loaded freewheel mechanism permits easy adjustment of the load chain and safeguards against accidental freewheeling under load.
- Equipped with standard rubber grip for non-slip operation.

Capabilities To Count On:

- 5-foot lift is standard, 10-, 15- and 20-foot lifts also stocked; nonstandard lifts available as well.
- Grade 100 heat-treated load chain is nickel plated for corrosion resistance.
- Forged and heat-treated alloy steel hooks open slowly without fracturing under excessive loads. Top and bottom hooks rotate 360°.
- Test certificate verifies that every hoist has been factory load tested to 125% of rated capacity, in accordance with ASME B30.21 requirements.



Capacity (tons)	Product Code	Headroom C (in)	Std. Lift (ft)	Pull to Lift Load* (lbs)	Load Chain Dia. (mm) x Chain Fall Lines	Net Weight (lbs)	Weight for Additional One Foot of Lift (lbs)
3/4	LB008	11.0	5	54 (36)	5.6 x 1	13	0.5
1	LB010	11.8		72 (46)		13	
1 1/2	LB015	13.2		64 (45)	7.1 x 1	18	0.7
2	LB020	14.8		59 (42)	8.8 x 1	25	1.1
2 3/4	LB028			81 (57)			
3	LB030	15.6		69	10.0 x 1	33	1.5
6	LB060	21.3		72	10.0 x 2	57	3.2
9	LB090	26.8		78	10.0 x 3	88	4.7



CF HAND CHAIN HOIST

Harrington CF hand chain hoists give you a practical alternative thanks to an economical design using fewer parts for trouble-free service. Outstanding durability is due to a die-cast aluminum body and high-strength, heat-treated main pinion shaft and load gear. Pre-lubricated ball bearings, precision machined gears, and Weston-style load brake make lifting smooth and easy while allowing long service and low maintenance.

Many Benefits From More Features:

- Experience exceptional strength with a thick die-cast aluminum body.
- Handle tough demands with high-strength, heat-treated main pinion shaft and load gear.
- Get positive braking action with Weston-style load brake incorporating two moisture-resistant brake pads with four braking surfaces.
- Minimize manual effort thanks to smooth running, pre-lubricated ball bearings, and precision machined drive train components.
- Simplify maintenance with fewer parts and an easy-to-work-on design.

Capabilities To Count On:

- 10-foot lift is standard, 15- and 20-foot lifts are also stocked; nonstandard lifts and hand chain drops available as well.
- Grade 100 heat-treated manganese alloy load chain resists abrasion and wear while minimizing chain weight.
- Forged and heat-treated alloy steel hooks are designed to open slowly and not fracture under excessive loads.
- Test certificate verifies that every hoist has been factory load tested to 125% of rated capacity, in accordance with ASME B30.16 requirements.

Options:

- Chain Container
- Corrosion-resistant chain
- Inspection Hook



Cap (tons)	Lift (ft)	Model No.	Headroom C (in)	Pull to Lift Load* (lbs)	Load Chain Diameter (mm) x Chain Fall Lines	Net Weight (lbs)	Shipping Weight Approx. (lbs)
.5	10	CF005-10	12.8	60	5.0 x 1	24	26
	15	CF005-15				29	31
	20	CF005-20				34	36
1	10	CF010-10	14.6	72	6.3 x 1	29	31
	15	CF010-15				35	37
	20	CF010-20				40	43
1.5	10	CF015-10	17.3	84	7.1 x 1	40	42
	15	CF015-15				47	49
	20	CF015-20				54	57
2	10	CF020-10	20.1	80	6.3 x 2	47	49
	15	CF020-15				56	58
	20	CF020-20				65	68
3	10	CF030-10	23.2	92	7.1 x 2	62	66
	20	CF030-20				72	75
5	10	CF050-10	24.4		7.1 x 3	82	86



HSDLB STANDARD DUTY LIFTING BEAM

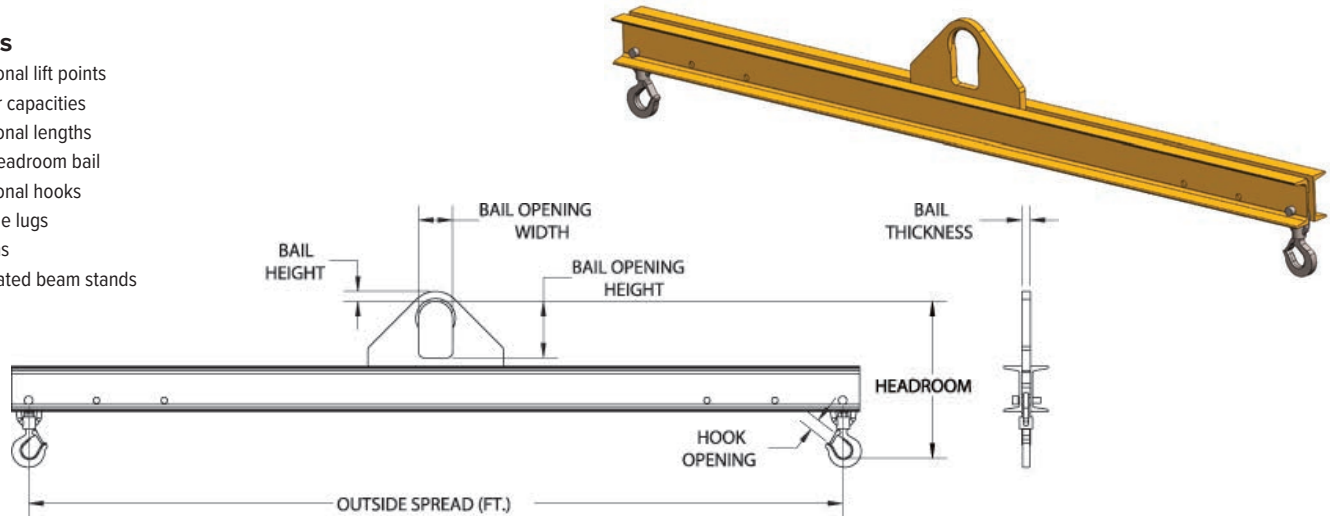
Channel Design Beams Ranging from 1-40 tons

Features

- This style of lifting beam can be utilized where headroom is limited and comes with a pair of swivel hooks and three standard spreads (3' and 4' beams have two standard spreads).
- Three standard lift points for load adjustment: outside lift point, middle lift point (outside less 1'), inside lift point (middle less 1').
- Engineered and manufactured to ASME B30.20 & BTH-1 Design Category B Service Class 2.
- 100% of ALL lifting beams are Proof-Tested to 125% capacity and certificates supplied at No Additional Charge.
- Made in USA.

Options

- Additional lift points
- Higher capacities
- Additional lengths
- Low headroom bail
- Additional hooks
- Shackle lugs
- Faspins
- Integrated beam stands



HSDLB Standard Duty Lifting Beam

Model #	Capacity (US Tons)	Outside Spread	Dimensions (Inches)						Weight (lbs.)
			Headroom	Bail Height	Bail Opening Width	Bail Opening Height	Bail Thickness	Hook Opening	
HSDLB-1-4	1	4	13	0.88	3	5	0.75	0.91	50
HSDLB-1-6	1	6	14	0.88	3	5	0.75	0.91	80
HSDLB-1-8	1	8	14	0.88	3	5	0.75	0.91	105
HSDLB-1-10	1	10	15	0.88	3	5	0.75	0.91	150
HSDLB-1-12	1	12	16	0.88	3	5	0.75	0.91	275
HSDLB-2-4	2	4	14	0.88	3	5	0.75	0.91	60
HSDLB-2-6	2	6	15	0.88	3	5	0.75	0.91	95
HSDLB-2-8	2	8	16	0.88	3	5	0.75	0.91	150
HSDLB-2-10	2	10	17	0.88	3	5	0.75	0.91	265
HSDLB-2-12	2	12	18	0.88	3	5	0.75	0.91	295
HSDLB-5-4	5	4	19	2	4	7	1.25	1.36	145
HSDLB-5-6	5	6	20	2	4	7	1.25	1.36	210
HSDLB-5-8	5	8	22	2	4	7	1.25	1.36	280
HSDLB-5-10	5	10	24	2	4	7	1.25	1.36	380
HSDLB-5-12	5	12	25	2	4	7	1.25	1.36	570
HSDLB-10-4	10	4	23	2	4	7	1.25	1.61	165
HSDLB-10-6	10	6	25	2	4	7	1.25	1.61	260
HSDLB-10-8	10	8	27	2	4	7	1.25	1.61	410
HSDLB-10-10	10	10	30	2	4	7	1.25	1.61	770
HSDLB-10-12	10	12	30	2	4	7	1.25	1.61	910

Please Note: For beams ranging between 15-40 ton capacities, please contact us at 215-721-9333 or email us at sales@nelsonwire rope.com



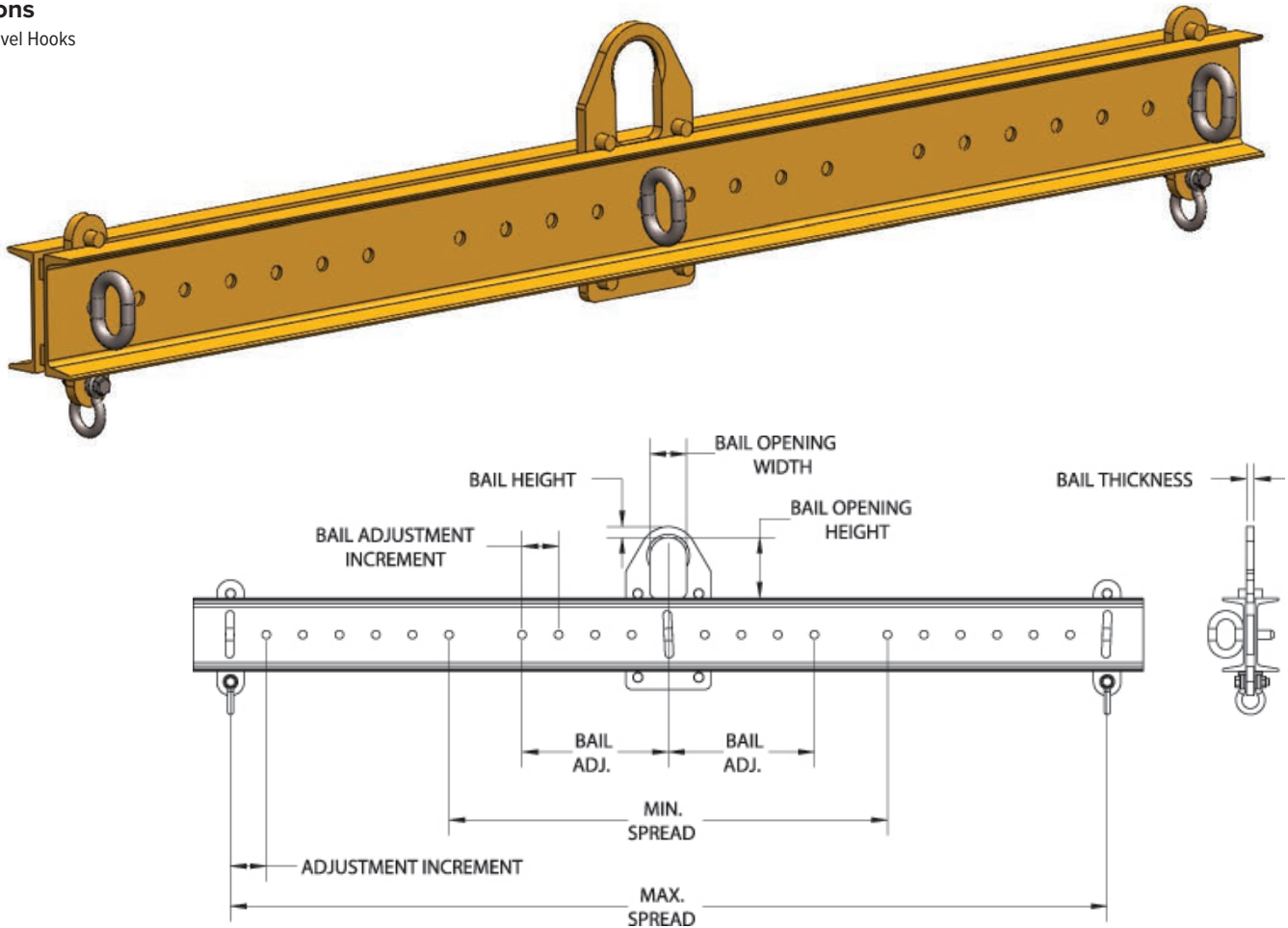
HALB ADJUSTABLE LIFTING BEAM

Features

- This style of lifting beam can lift off center loads easily by adjusting the bail prior to the lift.
- This lifter can be used where headroom is limited, & comes with multiple spreads that are adjustable to accommodate various load sizes at 6" adjustable increments.
- Supplied with two lower shackles.
- Engineered and manufactured to ASME B30.20 & BTH-1 Design Category B Service Class 2.
- 100% of ALL lifting beams are Proof-Tested to 125% capacity and certificates supplied at No Additional Charge.
- Made in USA.

Options

- Swivel Hooks



HALB Adjustable Lifting Beam

Model #	Capacity (US Tons)	Max Spread (Ft.)	Min. Spread (Ft.)	Dimensions (Inches)								Weight (lbs.)
				Head-room	Bail Height	Bail Opening Width	Bail Opening Height	Bail Thickness	Bail Adjustment Increments	Bail Travel (Half of Center)	Shackle Size (Tons)	
HALB-1.25-6	1.25	6	3	13.5	1	3	5	0.63	3	12	2	120
HALB-2-6	2	6	3	14.5	1	3	5	0.63	3	12	2	140
HALB-4-8	4	8	4.5	20	1.5	4	7	0.75	6	18	3.25	315
HALB-5-10	5	10	5	22	1.5	4	7	1.00	6	18	4.75	440



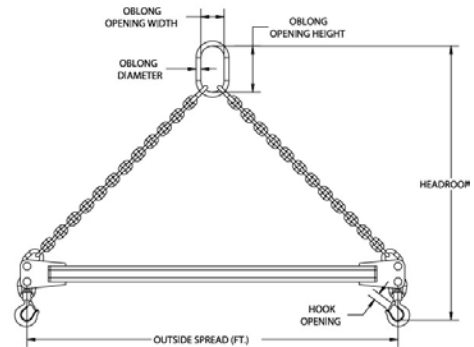
HSDSB STANDARD DUTY SPREADER BEAM

Features

- This style of lifter is utilized with upper rigging spread between two lift points that adds extra stability to the lift.
- This spreader beam should be utilized where headroom is not limited and comes standard with a pair of swivel hooks.
- Can be supplied with optional chain or wire rope top rigging.
- Engineered and manufactured to ASME B30.20 & BTH-1 Design Category B Service Class 2.
- 100% of ALL spreader beams are Proof-Tested to 125% capacity and certificates supplied at No Additional Charge.
- Made in USA.

Options

- Higher capacities
- Additional lengths
- Upper and lower shackle design
- Chain top rigging
- Wire rope top rigging



HSDSB Standard Duty Spreader Beam

Model #	Capacity (US Tons)	Outside Spread (ft.)	Dimensions (Inches)					Weight (Lbs.)
			Headroom	Oblong ML Diameter	Oblong ML Opening Width	Oblong ML Opening Height	Hook Opening	
HSDSB-2-4	2	4	36	0.63	3	6	0.91	45
HSDSB-2-6	2	6	48	0.63	3	6	0.91	60
HSDSB-2-8	2	8	61	0.63	3	6	0.91	82
HSDSB-2-10	2	10	74	0.63	3	6	0.91	95
HSDSB-2-12	2	12	86	0.63	3	6	0.91	115
HSDSB-2-16	2	16	111	0.63	3	6	0.91	225
HSDSB-2-20	2	20	139	0.63	3	6	0.91	408
HSDSB-2-24	2	24	164	0.63	3	6	0.91	445
HSDSB-5-4	5	4	39	1	3.5	7	1.36	62
HSDSB-5-6	5	6	51	1	3.5	7	1.36	78
HSDSB-5-8	5	8	64	1	3.5	7	1.36	100
HSDSB-5-10	5	10	77	1	3.5	7	1.36	117
HSDSB-5-12	5	12	87	1	3.5	7	1.36	168
HSDSB-5-16	5	16	116	1	3.5	7	1.36	305
HSDSB-5-20	5	20	141	1	3.5	7	1.36	435
HSDSB-5-24	5	24	166	1	3.5	7	1.36	661
HSDSB-10-4	10	4	43	1.25	4.38	8.75	1.61	100
HSDSB-10-6	10	6	56	1.25	4.38	8.75	1.61	122
HSDSB-10-8	10	8	67	1.25	4.38	8.75	1.61	156
HSDSB-10-10	10	10	81	1.25	4.38	8.75	1.61	180
HSDSB-10-12	10	12	90	1.25	4.38	8.75	1.61	240
HSDSB-10-16	10	16	119	1.25	4.38	8.75	1.61	380
HSDSB-10-20	10	20	145	1.25	4.38	8.75	1.61	532
HSDSB-10-24	10	24	171	1.25	4.38	8.75	1.61	915



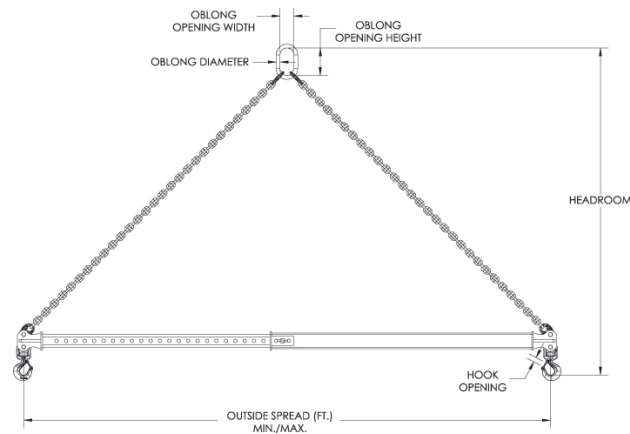
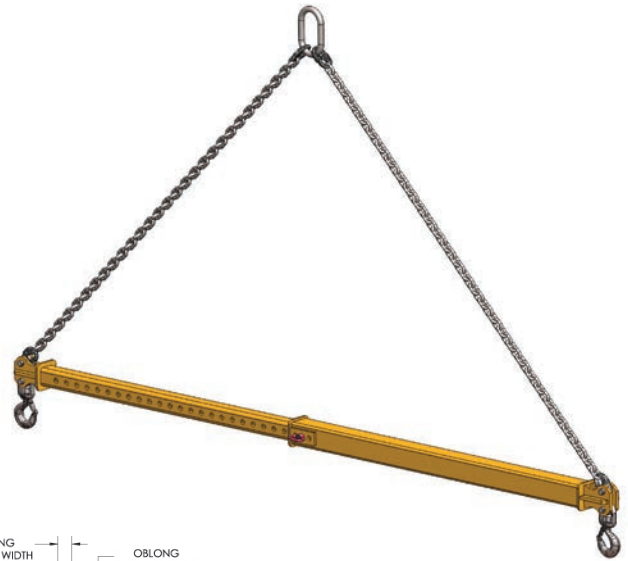
HALB ADJUSTABLE TELESCOPIC SPREADER BEAM

Features

- This style of spreader beam is telescopic to accommodate various load sizes – 2 through 15 ton capacities, adjustable increments at 1" and 20 through 40 ton capacities, adjustable increments at 12".
- This style of lifter is utilized with upper rigging spread between two lift points that adds extra stability to the lift.
- This spreader beam should be utilized where headroom is not limited and comes standard with a pair of swivel hooks.
- Can be supplied with optional chain or wire rope top rigging.
- Engineered and manufactured to ASME B30.20 & BTH-1 Design Category B Service Class 2.
- 100% of ALL spreader beams are Proof- Tested to 125% capacity and certificates supplied at No Additional Charge.
- Made in USA

Options

- Higher capacities
- Additional lengths
- Upper and lower shackle design
- Chain top rigging
- Wire rope top rigging



HATSB Adjustable Telescopic Spreader Beam

Model #	Capacity (US Tons)	Outside Spread Min/Max (ft.)	Dimensions (Inches)						Chain Rigging Weight (Lbs.)
			Headroom Min/Max	Oblong ML Diameter	Oblong ML Opening Width	Oblong ML Opening Height	Hook Opening	Beam & Hook Weight (Lbs.)	
HATSB-2-4/6	2	4/6	50/60	0.63	3	6	0.91	70	9
HATSB-2-6/10	2	6/10	76/92	0.63	3	6	0.91	85	13
HATSB-2-8/14	2	8/14	101/119	0.63	3	6	0.91	175	17
HATSB-2-12/20	2	12/20	139/174	0.63	3	6	0.91	245	23
HATSB-5-4/6	5	4/6	58/67	1	3.5	7	1.36	105	34
HATSB-5-6/10	5	6/10	83/100	1	3.5	7	1.36	160	47
HATSB-5-8/14	5	8/14	107/132	1	3.5	7	1.36	205	61
HATSB-5-12/20	5	12/20	145/181	1	3.5	7	1.36	670	82
HATSB-10-4/6	10	4/6	63/72	1.25	4.38	8.75	1.61	95	49
HATSB-10-6/10	10	6/10	78/117	1.25	4.38	8.75	1.61	175	69
HATSB-10-8/14	10	8/14	113/139	1.25	4.38	8.75	1.61	460	88
HATSB-10-12/20	10	12/20	151/171	1.25	4.38	8.75	1.61	680	118
HATSB-15-4/6	15	4/6	67/76	1.5	5.25	10.5	2.08	165	78
HATSB-15-6/10	15	6/10	91/109	1.5	5.25	10.5	2.08	365	111
HATSB-15-8/14	15	8/14	117/142	1.5	5.25	10.5	2.08	478	145
HATSB-15-12/20	15	12/20	154/189	1.5	5.25	10.5	2.08	700	194
HATSB-20-7/11	20	7/11	98/112	1.75	6	12	2.27	430	175
HATSB-20-9/15	20	9/15	129/151	1.75	6	12	2.27	540	225
HATSB-20-12/20	20	12/20	159/189	1.75	6	12	2.27	822	275



RATCHET STRAPS

KINEDYNE GOLD STANDARD

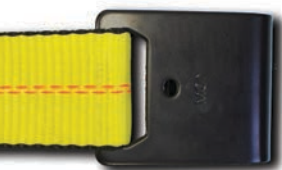
Kinedyne ratchet straps are designed to handle most types of flatbed tie-down requirements. Standard ratchet straps have an 18" fixed end as standard, except for straps with 3705-2 and 3705-3 chain anchors which have a fixed end of 32". Special length fixed ends are available as a special order. All ratchet straps are labeled with their working load limit to meet DOT regulations, WSTDA, CHP and North American Cargo Securement Standards. Straps are stenciled with the Kinedyne name and logo.

RHINO MAX

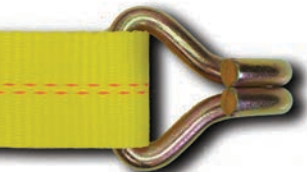
"Rhino Max" is a more durable and abrasion resistant webbing for cargo control tie-down straps. "Rhino Web" yields 30% more tensile strength after severe abrasion and is 30% thicker with a tougher surface. "Rhino Web" will complement and round out Kinedyne's already extensive line of quality webbing. This new, durable webbing is manufactured at the state-of-the-art Kinedyne facility in Alabama. "Rhino Web" is available in both 2" & 4" winch straps and ratchet straps.



Flat Hook



Wire Hook



Chain Extension



Standard Ratchet Straps

End Fittings	Strap Width in Inches	Working Load Limit in Pounds	Assembly Length in Feet	Unit Weight in Pounds	Stock No.
Flat Hook	2	3,335	27	6.5	1400-250
			30	6.7	1400-400
	3	5,400	27	11.8	1400-1300
			30	12.1	1400-1450
	4	5,400	27	14.7	1400-1575
			30	15.2	1400-1580
Wire Hook	2	3,335	27	6.3	1400-1050
			30	6.5	1400-1175
	4	6,670	27	14.1	1400-1600
			30	14.6	1400-1650
Chain Anchor	2	3,335	27	11	1400-500
			30	11.2	1400-650
	3	5,400	27	15.8	1400-1500
			30	16.1	1400-1550

Rhino Max Ratchet Straps

End Fittings	Strap Width in Inches	Working Load Limit in Pounds	Assembly Length in Feet	Unit Weight in Pounds	Stock No.
Flat Hook	2	4,000	27	2.8	1400-260
			30	2.9	1400-410



WINCH STRAPS

KINEDYNE GOLD STANDARD

Kinedyne ratchet straps are designed to handle most types of flatbed tie-down requirements. Standard ratchet straps have an 18” fixed end as standard, except for straps with 3705-2 and 3705-3 chain anchors which have a fixed end of 32”. Special length fixed ends are available as a special order. All ratchet straps are labeled with their working load limit to meet DOT regulations, WSTDA, CHP and North American Cargo Securement Standards. Straps are stenciled with the Kinedyne name and logo.

RHINO MAX

“Rhino Max” is a more durable and abrasion resistant webbing for cargo control tie-down straps. “Rhino Web” yields 30% more tensile strength after severe abrasion and is 30% thicker with a tougher surface. “Rhino Web” will complement and round out Kinedyne’s already extensive line of quality webbing. This new, durable webbing is manufactured at the state-of-the-art Kinedyne facility in Alabama. “Rhino Web” is available in both 2” & 4” winch straps and ratchet straps.



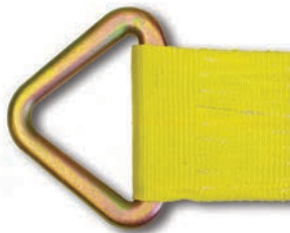
Standard Winch Straps

End Fittings	Strap Width in Inches	Working Load Limit in Pounds	Assembly Length in Feet	Unit Weight in Pounds	Stock No.
Flat Hook	2	3,335	27	3	1400-1790
			30	3.2	1400-1850
	3	5,400	27	4.3	1400-2000
			30	4.7	1400-2050
	4	5,400	27	5.0	1400-2400
			30	5.5	1400-2450
Delta Ring	3	5,400	27	4.8	1400-2300
			30	5.2	1400-2350
	4	5,400	27	6.7	1400-2750
			30	7.1	1400-2800
Chain Extension	4	5,400	27	7.0	1400-2800
			30	7.5	1400-2700

Flat Hook



Delta Ring



Chain Extension



Rhino Max Winch Straps

End Fittings	Strap Width in Inches	Working Load Limit in Pounds	Assembly Length in Feet	Unit Weight in Pounds	Stock No.
Flat Hook	2	3,335	27	2.8	1400-2410
			30	2.9	1400-2455

STANDARD WINCHES

- This standard winch can hold up to 24 feet of a 4" winch strap.
- Available in both fixed and sliding styles
- Working Load Limit - 5,500 lbs



Stock Number	Kinedyne Part Number	Description	Weight (lbs.)
1100-10	1820	Fixed Standard Winch	8.0
1100-50	3820	Sliding Standard Winch	9.2

STORABLE WINCHES

- This storable winch can hold up to 27 feet of a 4" winch strap.
- Available in both fixed and sliding styles
- Working Load Limit - 5,500 lbs



Stock Number	Kinedyne Part Number	Description	Weight (lbs.)
1100-20	1820S	Fixed	8.8
1100-70	5820	Sliding	10.1

LOW PROFILE BOTTOM MOUNT WINCHES

- This low profile winch can hold up to 14 feet of a 4" winch strap.
- Available in the fixed style
- Working Load Limit - 5,500 lbs



Stock Number	Kinedyne Part Number	Description	Weight (lbs.)
1100-120	7820	Fixed	8.1

PORTABLE WINCH WITH 2 SET SCREWS

- Designed to be Permanently Mounted in a Fixed Position
- Available in both standard and low profile styles
- Working Load Limit - 5,500 lbs



Stock Number	Kinedyne Part Number	Description	Weight (lbs.)
1100-40	18020P2	Standard	9.2
1100-125	7820P2	Low Profile	9.2

FORGED D-RINGS

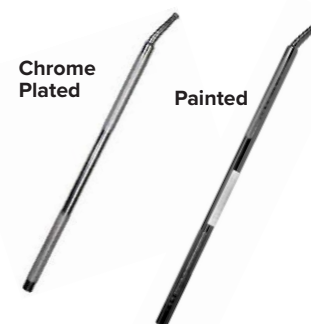
- Includes A-clip for welding on to trailers
- Not to be used for lifting, they are strictly for securing loads
- Made in the USA



Stock Number	Diameter in Inches	Inside Length And Width	Working Load Limit (lbs)
2200-190	1/2	2-1/4" x 2-1/2"	4,000
2200-200	5/8	3" x 3"	6,000
2200-205	3/4	3" x 3"	9,000
2200-210	1	4" x 4"	15,000

WINCH BARS

Used to tighten winches. Wind rope or nylon strapping into the Winch with plenty of clearance. The bar's handle has a gripped end for better and safer handling.



Stock Number	Kinedyne Part No.	Description	Length (in.)	Weight (lbs.)
1100-160	37030	Standard Bar - Painted	35.0"	5.2
1100-170	37031	Standard Bar - Chrome Plated	35.0"	5.2
1100-180	37033	Combination Bar - Chrome Plated	32.0"	5.8
1100-190	10032	Combination Bar - Painted	39.5"	6.6

KINEDYNE STRAP WINDERS

Designed to wind straps for storage in a toolbox. This is a great tool for all flatbeds equipped with winches. This essential tool easily recoils straps, saves time and gets drivers back on the road quickly.



Stock Number	Kinedyne Part Number	Weight (lbs.)
1100-195	10092	1.1
1100-197	10091	2.5

OVERSIZE LOAD SIGNS

The Safety Flag Co Oversize Load Sign is designed to keep the road clear for an oversize load escort.

- Printed on 13 oz. vinyl-laminated polyester
- Solid construction with edges hemmed for durability
- Tear and fray resistant
- 1 grommet in each corner with a 5/16 in. inside diameter



Stock Number	Description	Size (in.)
700-01930	Oversize Load Only	12" x 60"
9126	Reversable (Wide Load/Oversize Load)	14" x 72"

WINCH TRACK

1/4" x 6' Steel Winch Track

The design of the sliding winch track facilitates self-cleaning for maintenance-free operation. Winch track is for use with Kinedyne sliding winches only (part numbers 3820 and 5820). Track can be capped on ends or cross-bolted for security. Special length track is available.



Stock Number	Kinedyne Part Number	Weight (lbs.)
1100-140	3606	38.5

COIL RACK

Coil Racks, also known as coil chocks or coil bunks, are used in conjunction with hardwood timbers to stabilize metal coils in the load securement process.

- Material: Hot Rolled Steel, 8 Gauge
- Finish: Painted Black
- Size: 33.25" long x 2.75" wide x 2.85" high

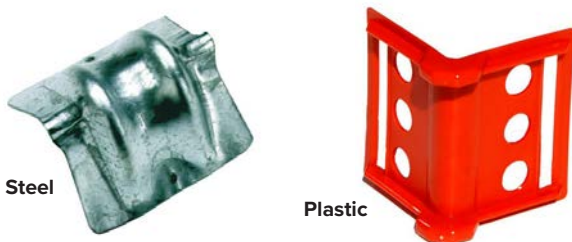


Stock Number	Kinedyne Part Number	Weight (lbs.)
1700-1775	8856	4.9

CORNER PROTECTORS

Designed for winch and ratchet straps in different sizes

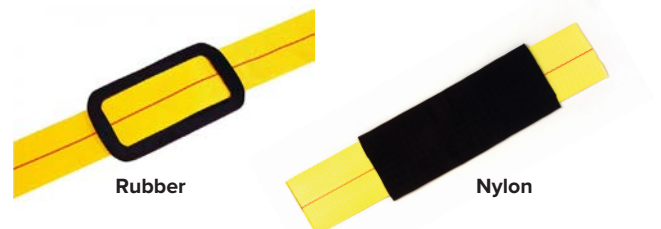
Corner protectors are designed to protect both strap and cargo from damage caused by the load. They are required by law whenever load conditions could cut or abrade the strap. Protectors feature a corner recess to protect cargo edges.



Stock Number	Kinedyne Part Number	Item Description	Weight Each (lbs.)
1100-258	1863	Steel 2"	1.2
1100-300	37025	Plastic 2"-4"	0.2

PROTECTIVE SLEEVES

Protective sleeves are designed to protect both strap and cargo from damage caused by the load. Select styles can also be used on web slings, wire rope slings, and chain slings.



Stock Number	Kinedyne Part Number	Item Description	Weight Each (lbs.)
1100-280	37022	Rubber Sleeve 2"-3"	0.2
1100-290	37024	Rubber Sleeve 4"	0.5
1100-310	CS20	Nylon Sleeve 2"	0.2
1100-330	CS40	Nylon Sleeve 4"	0.5

2" LOGISTIC STRAPS WITH SPRING FITTINGS

Kinedyne's Logistic Straps are designed to provide solutions to most interior van loading challenges. These versatile straps are offered in several lengths with buckle and end fitting options to fit every job.



Ratchet

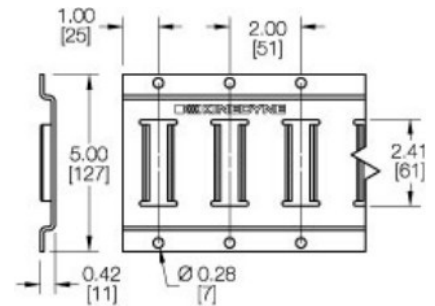


Cam

Stock Number	Buckle Type	Assembly Length in Feet	Breaking Strength in Pounds	Rated Capacity in Pounds	Unit Weight in Pounds
1400-8320	Ratchet	12	3,000	1,000	3.2
1400-8330	Ratchet	16	3,000	1,000	3.3
1400-8340	Ratchet	20	3,000	1,000	3.4
1400-8370	Cam	12	2,500	835	1.6
1400-8380	Cam	16	2,500	835	1.7
1400-	Cam	20	2,500	835	1.8

LOGISTIC TRACK

- Material: High strength steel 12 gauge
- Minimum Yield: 50,000 psi.
- Finish: Gray, Powder Coat
- Length: 10 feet., 3 meters.



Stock Number	Kinedyne Part Number	Item Description	Unit Weight
1100-370	43002	Series E 12GA 10'	16.2 lbs.

KINEDYNE SAF-T-LOK BARS

Kinedyne's Saf-T-Lok Bars are reliable and easy to operate in all environments. With pivoting rubber feet that won't scuff and remain pliable even at low temperatures. The handle and trigger release are easy to operate even with gloved hands.



Stock Number	Kinedyne Part Number	Description	Unit Weight
1100-340	10088	Aluminum (90" - 105")	8.5
1100-345	10085	Steel (90" - 105")	11.4
1100-348	80131	Retract-A-Bar (54" - 107")	9.0

1" HEAVY DUTY RATCHET & UTILITY STRAPS

These general purpose utility straps are made from 1" wide webbing and include heavy duty hardware. Common uses include securing cargo, motor sport vehicles, wood, furniture, and more. Several end-fittings are available including wire hooks, vinyl coated wire hooks, and vinyl coated s-hooks.

Features

- Durable webbing
- Heavy duty hardware
- Strong and smooth ratchet
- Anti-fatigue ratchet handle
- Made in the USA



Stock Number	Product Description	Working Load Limit (lbs.)
1400-50	Utility Strap with Vinyl S Hooks - 6 ft.	400
1400-75	Utility Strap with Vinyl S Hooks - 9 ft.	400
1400-80	Utility Strap with Vinyl S Hooks - 15 ft.	400
1400-90	Ratchet Strap with PVC Wire hook - 10 ft.	800
1400-100	Ratchet Strap with Wire Hooks & D Ring - 16 ft	835
1400-130	Ratchet Strap with Vinyl S Hooks - 9 ft. (Blue Strap)	500
1400-150	Ratchet Strap with Vinyl S Hooks - 16 ft.	800
1400-155	Ratchet Strap with Vinyl S Hooks - 15 ft. (Blue Strap)	500

RUBBER TARP TIES

- 100% natural rubber tarp straps
- 9", 15", 21", 31" and 41" strap lengths available
- Uncrimped steel S hooks (can be removed)
- Quantity 50 per box
- Bundles of 10 available upon request
- Made in the USA



Stock Number	Strap Length in Inches	Overall Length in Inches	Quantity Per Box
1400-3550	9	14	50
1400-3600	15	19	50
1400-3650	21	25	50
1400-3700	31	35	50
1400-3750	41	45	50

POLYETHYLENE TARPS

Our tarps are made from the finest materials, and by the finest factories around the world. All of our tarps are UV protected and rot proof for increased durability. Each tarp has rust proof grommets spaced 3 feet apart, perfect for any tie down application. We carry a light duty Blue tarp as well as a heavy duty Green/Black tarp.



Size in Feet	Regular (Blue)	Heavy Duty (Green & Black)
10 x 12	1400-2850	1400-2900
10 x 20	1400-2950	1400-3000
15 x 20	1400-3050	1400-3100
15 x 30	1400-3150	1400-3200
20 x 30	1400-3250	1400-3300
20 x 40	1400-3350	1400-3400
30 x 40	1400-3450	1400-3500

MANILA ROPE



- Natural Fiber Rope made from the finest Philippine Abaca available
- High Abrasion Resistance
- Stretch Resistance
- Meets tensile Fed. Spec. TR605

Stock Number	Size in Inches	Standard Length in Feet	Weight of Reel in Pounds	Breaking Strength in Pounds	Work Load Limit in Pounds
1900-10	1/4	1,250	25	540	54
1900-110	5/16	850	25	900	90
1900-210	3/8	600	25	1,215	122
1900-410	1/2	600	45	2,385	265
1900-610	5/8	600	83	3,960	495
1900-710	3/4	600	100	4,860	694
1900-810	1	600	162	8,100	1,160

BRAIDED CABLE PULLING ROPE

High force composite double braided rope with hand spliced eyes on both ends.



- Comes on a heavy-duty Amish wood spool for smooth dispensing from a cable pull stand
- Constructed of low-stretch polyester that will not snap back when load is relieved, eliminating the risk of serious injury
- Meets 4 to 1 standard for tensile strength, ensuring safety in high-tension commercial and industrial applications
- Compatible with most pulling machines for increased ease of pulling
- Slick fabric is easy on the hands and slides through rough areas with ease
- Cable lubrication recommended for increased viscosity in high traction areas



Stock No.	Size in Inches	Standard Length in Feet	Work Load Limit in Pounds	Break Strength in Pounds	Weight in Pounds Per Reel
1900-5030	1/2	300	2,510	2,510	22.8
1900-5020	1/2	600	2,510	2,510	45.6
1900-5015	1/2	1,200	2,510	2,510	91.2
1900-5050	9/16	300	3,070	3,070	28.5
1900-5040	9/16	600	3,070	3,070	57.0
1900-5035	9/16	1,200	3,070	3,070	114.0
1900-5070	5/8	300	3,830	3,830	36.0
1900-5060	5/8	600	3,830	3,830	72.0
1900-5055	5/8	1,200	3,830	3,830	144.0
1900-5090	3/4	300	6,430	6,430	50.1
1900-5080	3/4	600	6,430	6,430	100.2
1900-5075	3/4	1,200	6,430	6,430	200.4
1900-5110	7/8	300	7,535	7,535	71.1
1900-5100	7/8	600	7,535	7,535	142.2
1900-5095	7/8	1,200	7,535	7,535	284.4
1900-5130	1	300	10,050	10,050	93.0
1900-5120	1	600	10,050	10,050	186.0
1900-5115	1	1,200	10,050	10,050	372.0
1900-5145	1 1/8	300	12,525	12,525	108.3
1900-5140	1 1/8	600	12,525	12,525	216.6
1900-5135	1 1/8	1,200	12,525	12,525	433.2

POLYPROPYLENE ROPE

Yellow rope is a floating, resistant to oil, gas and most chemicals. Polypropylene is rot proof, waterproof and has good resistance to abrasion. Poly has little stretch and good recovery rate. Poly is used in marine, industrial, sports, farm and home.

- Used for boating, camping, anchoring, docking, and more
- Floats
- Resistant to chemicals and rot
- UV resistant
- Available in a variety of colors

Stock Number	Size in Inches	Standard Length in Feet	Weight of Reel in Pounds	Breaking Strength in Pounds	Work Load Limit in Pounds
1900-1310	1/4	600	7	1,250	190
1900-1300	1/4	100	1.5	1,250	190
1900-1510	5/16	600	11	1,900	190
1900-1710	3/8	600	17	2,700	270
1900-1700	3/8	100	2.8	2,700	270
1900-1810	1/2	600	28	4,200	467
1900-1790	1/2	100	4.7	4,200	467
1900-2010	5/8	600	45	6,200	775
1900-2210	3/4	600	64	8,500	1,214
1900-2410	1	600	108	14,000	2,000



NYLON ROPE

Solid Braided Nylon Rope is provided on an easy to use reel convenient for storage. Solid braided rope strands all travel in the same direction, clockwise or counter clockwise, and alternate between forming the outside and inside of the rope. This construction is popular for general purpose utility rope. As a lock stitch constructed rope with a smooth appearance and small vertical picks, it is extremely strong and cannot be unraveled, even when cut.

- Ideal for universal use
- Flexible, strong and durable
- Resistant to mildew, rot, and chemicals
- High resistance to abrasion

Stock Number	Size in Inches	Standard Length in Feet	Weight of Reel in Pounds	Breaking Strength in Pounds	Work Load Limit in Pounds
1900-2910	1/4	600	9	1,650	138
1900-2900	1/4	100	1.5	1,650	138
1900-3010	5/16	600	15	2,550	213
1900-3110	3/8	600	21	3,700	308
1900-3105	3/8	100	3.5	3,700	308
1900-3210	1/2	600	39	6,400	582
1900-3205	1/2	100	6.5	6,400	582
1900-3410	5/8	600	63	10,400	1,040
1900-3610	3/4	600	87	14,200	1,578
1900-3810	1	600	158	25,000	2,778



Every effort has been made to ensure that the information in this book is accurate. Nelson Wire Rope Corporation is not responsible for printing or clerical errors.

The Nelson Wire Rope logo is a trademark of Nelson Wire Rope Corporation. Use of the Nelson Wire Rope logo for commercial purposes without the prior written consent of Nelson Wire Rope Corporation may constitute trademark infringement and unfair competition in violation of federal and state laws.

Disclaimer and Terms of Use: Your reliance upon information and content obtained by you at or through this publication is solely at your own risk. Nelson Wire Rope Corporation assumes no liability or responsibility for damage or injury to you, other persons, or property arising from any use of any product, information, idea, or instruction contained in the content or services provided to you through this catalog. Reliance upon information contained in this material is solely at the reader's own risk. Nelson Wire Rope Corporation has no financial interest in and received no compensation from manufacturers of products mentioned in this book.

Resources for lifting and safety use information:

- U.S. Department of Labor O.S.H.A (800)-321-OSHA x6742
- National Safety Council (800)-621-7615
- Commercial Vehicle Safety Association (800)-444-2973
- Web Sling & Tie Down Association (443)-640-1070 x110
- ASME B30.9 (Slings)
- ASME B30.10 (Hooks for lifting)
- ASME B30.20 (Below the hook lifting devices)
- ASME B30.26 (Hardware)

Safe working load, working load limit, and rated capacity, indicate maximum loads. Ratings apply to straight line pull unless otherwise specified. All ratings shown are based on new product used in normal operating conditions. Special considerations must be given to item selection when unusual conditions can be expected. Products are subject to wear, misuse, overloading, and deformation, which may result in a reduction of working load limit. We highly recommend that all products be regularly inspected. Worn or deformed items should be removed from service immediately.

It is the responsibility of the user to determine the suitability of a product for any particular use. Nelson Wire Rope Corporation is not responsible for damages resulting from misuse or misapplication of any product made by Nelson Wire Rope Corporation or distributed by Nelson Wire Rope Corporation.

Refer to all applicable industry, trade association, federal, state, and local regulation. Read all operating instructions and warnings carefully.



NELSON
wire rope
SIZE 5/8
REACH 6
TYPE SLSL
GRADE 100
LBS 8800
°/HOR 90



WIRE ROPE / CHAIN / SYNTHETICS
USA MADE LIFTING SLINGS
RIGGING HARDWARE
LIFTING DEVICES
ON-SITE INSPECTIONS
RIGGING TRAINING
PULL TESTING

NELSON WIRE ROPE CORPORATION

3051 Penn Street / Hatfield, PA 19440 USA
+1 215 721 9333 / sales@nelsonwirerope.com / nelsonwirerope.com