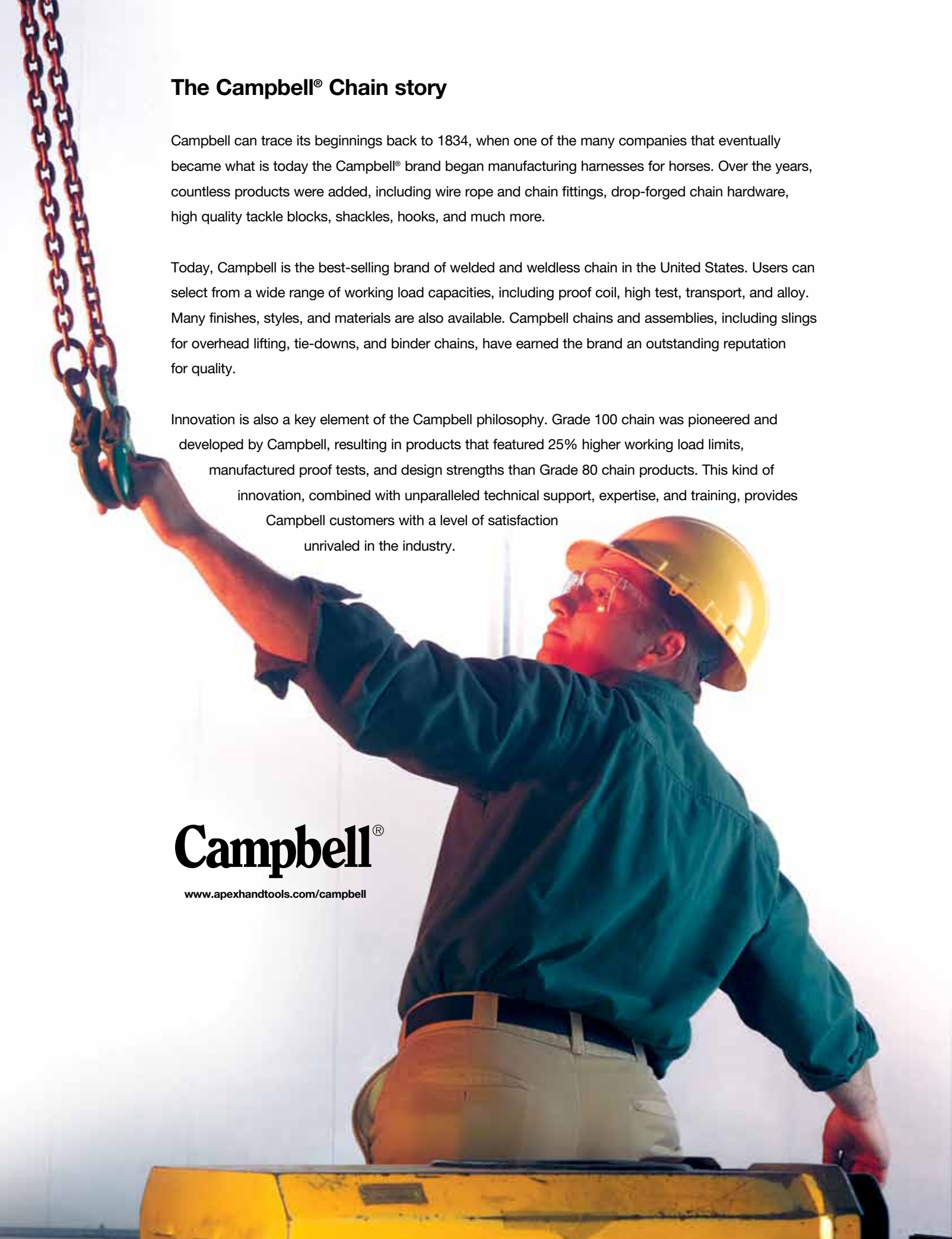
Campbell® Material Handling Products

The Campbell® Chain story

Campbell can trace its beginnings back to 1834, when one of the many companies that eventually became what is today the Campbell® brand began manufacturing harnesses for horses. Over the years, countless products were added, including wire rope and chain fittings, drop-forged chain hardware, high quality tackle blocks, shackles, hooks, and much more.

Today, Campbell is the best-selling brand of welded and weldless chain in the United States. Users can select from a wide range of working load capacities, including proof coil, high test, transport, and alloy. Many finishes, styles, and materials are also available. Campbell chains and assemblies, including slings for overhead lifting, tie-downs, and binder chains, have earned the brand an outstanding reputation for quality.

Innovation is also a key element of the Campbell philosophy. Grade 100 chain was pioneered and developed by Campbell, resulting in products that featured 25% higher working load limits, manufactured proof tests, and design strengths than Grade 80 chain products. This kind of innovation, combined with unparalleled technical support, expertise, and training, provides Campbell customers with a level of satisfaction unrivaled in the industry.



Campbell®

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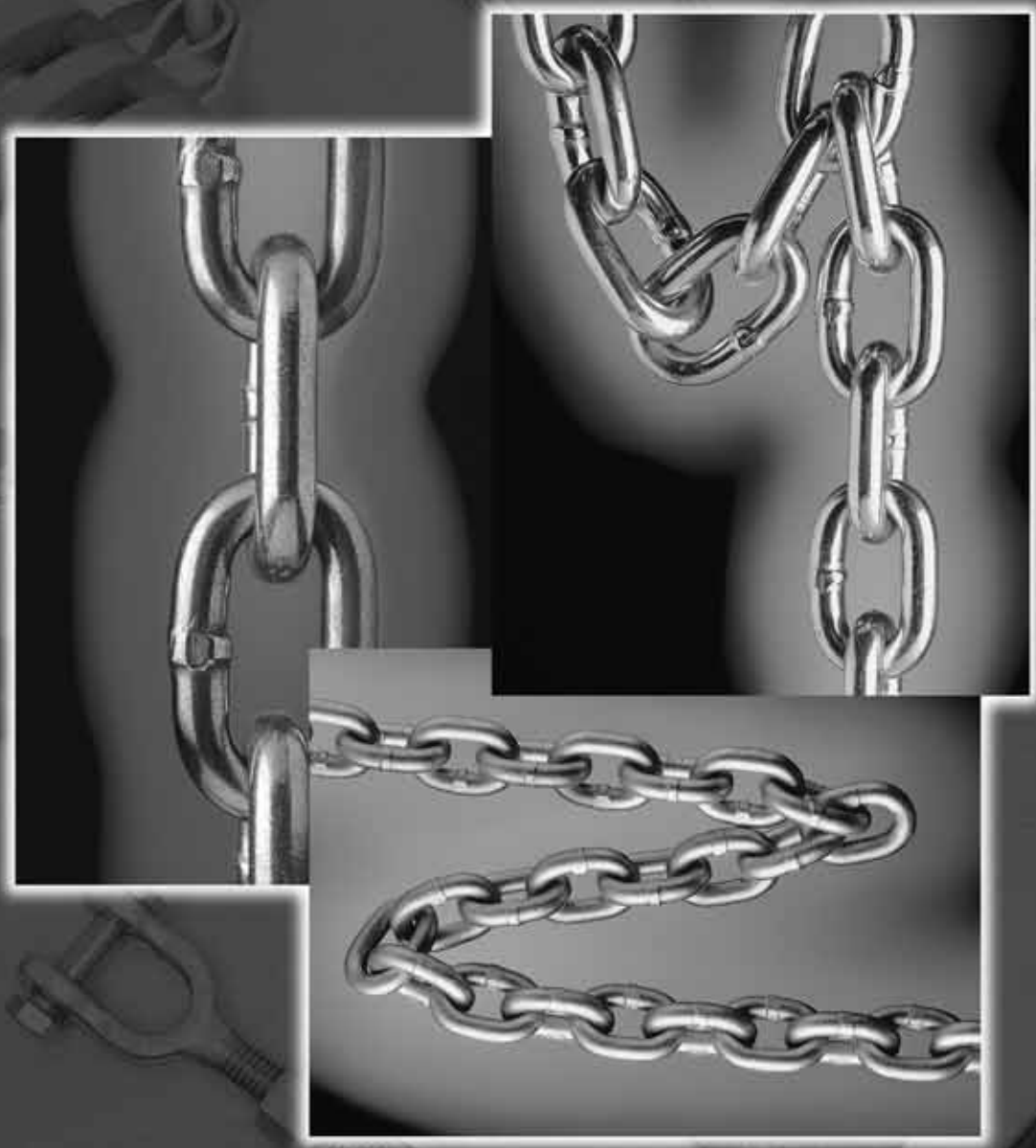
Campbell®
CHAIN PRODUCTS



Campbell® Chain

Founded in 1919, Campbell is the largest manufacturer of welded and weldless chain in the United States. Users of Campbell chain can select from a wide range of working load capacities including proof coil, high test, transport and alloy; finishes including self-colored, Blu-Krome®, galvanized and bright color polycoated; links that are short, long, twisted, locked, looped, even stamped from flat stock. Several chain types are even available in solid brass and bronze. Campbell chains and assemblies, including slings for overhead lifting, and binder chains, have earned for the manufacturer an outstanding reputation for quality.

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

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Camtrol System

Campbell's CAMTROL SYSTEM makes chain products easier to identify and understand. That's because all are based on engineering formulas computed according to ISO (International Organization for Standardization), NACM (National Association of Chain Manufacturers) and ASTM (American Society for Testing and Materials). Use the CAMTROL SYSTEM to make wise chain purchasing decisions. Use it to compare the various categories of chain, to choose the right chain for the job according to the price per thousand pounds of working load instead of buying on a price per foot.

Consult your Campbell Chain distributor for current prices. Then refer to the chart below and divide the price per foot by the working load limit (in thousands of pounds) shown in the table.

By using this comparison system you will discover that you can buy a smaller, easier to handle chain, and at less cost based on its working load limit.

Variations in finish or heat treatment

The mechanical properties shown on the Camtrol Chart apply only to the various chains in their standard finish and heat treated condition. Finishes such as galvanizing or electroplating may reduce strengths. The manufacturer's revised recommendations should be solicited when such treatments are desirable for specific applications.

Hallmarking (Identification)

All System 4, 7, 8, and 10 chains and all System 3 chains 5/16" (8 mm) and larger are marked with the grade identifier approximately every 12" or less. Please refer to the chain type of interest in this catalog for the specific hallmarks.

Grade	Camtrol System Number	Trade Size		Nominal Dimensions						Weight Per 100 Feet		Working Load Limit	
				Diameter		Inside Length		Inside Width					
		in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	lb	kg
30	3	1/8	4	.156	4.0	.89	22.61	.29	7.33	22	10	400	180
30	3	3/16	5.5	.205	5.5	.95	24.13	.34	8.63	35	16	800	365
30	3	1/4	7	.260	7.0	1.20	30.50	.45	11.40	56	25	1,300	580
30	3	5/16	8	.312	8.0	1.27	32.27	.47	11.93	83	38	1,900	860
30	3	3/8	10	.369	10.0	1.36	34.46	.57	14.47	125	57	2,650	1,200
30	3	1/2	13	.480	13.0	1.70	43.18	.75	19.00	237	108	4,500	2,030
30	3	5/8	16	.656	16.7	2.10	53.34	.87	22.09	390	177	6,900	3,130
30	3	3/4	20	.781	19.8	2.70	68.58	1.02	26.00	535	243	10,600	4,810
30	3	7/8	22	.906	23.0	2.34	59.44	1.37	34.80	770	349	12,800	5,810
43	4	1/4	7	.276	7.0	1.20	30.50	.45	11.40	63	28	2,600	1,180
43	4	5/16	8	.330	8.4	1.27	32.27	.47	11.94	102	46	3,900	1,770
43	4	3/8	10	.394	10.0	1.15	29.21	.58	14.73	160	73	5,400	2,450
43	4	7/16	11.9	.468	11.9	1.29	32.77	.67	17.02	216	98	7,200	3,270
43	4	1/2	13	.531	13.0	1.70	43.18	.75	19.00	260	118	9,200	4,170
43	4	5/8	16	.656	16.7	1.94	49.27	.93	23.62	356	161	13,000	5,910
43	4	3/4	20	.781	23.0	2.21	56.13	1.10	27.94	535	243	20,200	9,180
70	7	1/4	7	.312	7.9	.94	23.88	.46	11.68	91	41	3,150	1,430
70	7	5/16	8.7	.343	8.7	1.01	25.65	.48	11.68	111	50	4,700	2,130
70	7	3/8	10	.406	10	1.36	34.46	.57	14.47	150	68	6,600	2,990
70	7	7/16	11.9	.468	11.9	1.29	32.77	.67	17.02	212	96	8,750	3,970
70	7	1/2	13	.531	13.0	1.70	43.18	.75	19.00	260	118	11,300	5,130
70	7	5/8	16	.630	16.0	1.93	49.02	.87	22.10	375	170	15,800	7,170
80	8	7/32	5.5	.218	5.5	.69	17.53	.30	7.62	43	20	2,100	970
80	8	5/16	8	.315	8.0	.94	23.88	.46	11.68	92	42	4,500	2,000
80	8	1	26	1.000	25.4	2.80	71.12	1.40	35.56	965	438	47,700	21,600
80	8	1 1/4	32	1.250	31.8	3.50	88.90	1.75	44.45	1525	692	72,300	32,800
63	6	1 1/2	38	1.500	38.1	4.49	114.04	1.94	49.27	2140	971	80,000	36,400
100	10	9/32	7	.285	7.2	.86	21.80	.41	11.40	74	34	4,300	1,950
100	10	3/8	10	.402	10.2	1.22	31.00	.55	14.00	148	67	8,800	3,990
100	10	1/2	13	.522	13.2	1.54	39.90	.45	19.10	250	113	15,000	6,800
100	10	5/8	16	.643	16.3	1.93	49.00	.87	22.10	379	172	22,600	10,250
100	10	3/4	20	.802	20.4	2.42	61.50	1.09	27.70	598	271	35,300	16,000
100	10	7/8	22	.882	22.4	2.70	68.52	1.28	32.48	775	351	42,700	19,400

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Important Chain Terms

WORKING LOAD LIMIT
The "working load limit" (rated capacity) is the maximum combined static and dynamic load in pounds or kilograms that should never be applied to the product in service, even when the product is new, and when the load is uniformly applied in direct tension to the product.

PROOF TEST
The "proof test" is a quality control test applied to chain for the purpose of verifying weld and material quality. It is the minimum force in pounds or newtons that the chain has withstood in direct tension as part of the manufacturing process. Proof testing assures that the chain is more than capable of performing at its rated working load limit. Proof test loads are a manufacturing integrity test and shall not be used as criteria for service or design purposes. All Campbell proof tested chain and components are proof tested in accordance with the applicable ASTM, NACM and AISI/ASME requirements.

Warnings, Cautions, Inspection and Proper Use of Chain

Campbell chain products and components are designed and built for rugged lasting service. As with any quality product certain precautions and standards of treatment should be observed. Proper care will extend the useful life of the product.

INSTRUCTIONS REGARDING COMPONENTS AND FITTINGS
Components, such as hooks or shackles, should have at least the same working load limit (rated capacity) as the chain with which they are used. If not, the assembly shall be rated to the capacity of the weakest component. Campbell offers a full line of components engineered specifically to be compatible with our chain products.

WARNINGS AND CAUTIONS
- The use of chain is subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense
- **Do not exceed the working load limit of the chain or any component**
- Chemically active environments may adversely affect chain and components. Do not use in highly acidic or caustic environments. Campbell should be contacted if the chain will be exposed to chemically active environments during use
- High and low temperatures will affect chain and components. Campbell should be contacted if temperatures below -20°F (-29°C) or above 400°F (200°C) will be experienced
- Chains used in certain applications are subject to governmental regulations. Please follow all Federal, State and/or Local Department of Transportation, OSHA, or other applicable standards and regulations when using Campbell products
- Never field weld or repair chain
- See other specific information under "Inspection and Proper Use" sections

INSPECTION
Regular inspections should be conducted on chain to detect damage or deterioration from use. The chain should be inspected for any of the below conditions. If present, the chain should immediately be removed from service.
- Cracks in the chain or any component
- Excessive nicks or gouges
- Excessive wear. Chain should be removed from service if the thickness at any point on the link is below the value shown in the Chain Minimum Allowable Thickness chart. All other components should be removed from service if any dimension is worn by more than 10% from the original dimension
- Stretched, bent, twisted, or distorted chain links or components
- Excessive corrosion
- Evidence of heat damage
- Evidence of field welding or weld splatter
- Any other condition which questions the integrity of the chain

PROPER USE
To protect the users and to prevent damage to the chain, the following safe practices should be followed:
- Select a chain suitable for the application and environment
- The hooks or other components should be of a size to fit the intended connections
- Avoid shock loading
- Pad all sharp edges or corners in contact with the chain
- Rig so that the load is properly seated in the hooks or other components. Avoid tip loading of hooks and side loadingof chain and components
- Avoid twisting or kinking the chain
- Never knot chain

Purchasers please note that all "Warnings and Cautions" apply to chain as well as all components and fittings. Purchasers are responsible for conveying the "Warnings and Cautions," including the "Inspection" and "Proper Use" section information to the end user.

Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product.

Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales representative or Apex Tool Group Customer Service representative.

OTHER PRODUCTS
Campbell produces a number of products for specialty applications. Please contact your Apex Tool Group Sales representative, or Customer Service representative, if you have special requirements.

Not all products produced by Campbell appear in this catalog. Campbell can produce engineered chain to meet customer design specifications, and also produces a variety of chain assemblies. Minimum order quantities may apply to special order products.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are continually improving the quality and design of our products, they can change without notice.

The dimensions and weights are approximate nominal values, and some variation will occur. If specific dimensional requirements are necessary for the application, please contact your Apex Tool Group Sales representative, or Customer Service representative.

Care and Maintenance of Chain

Minimum Allowable Thickness Chart

Trade Size in.	Trade Size mm	Chain Type or Grade	Nominal Material Diamter in.	Nominal Material Diamter mm	Min. Allowable Thickness on Link in.	Min. Allowable Thickness on Link mm
4	3.0	Machine, Coil	0.120	3.0	0.104	2.64
3	3.4	Machine, Coil	0.135	3.4	0.117	2.97
2	3.8	Machine, Coil	0.148	3.8	0.128	3.25
1	4.1	Machine, Coil	0.162	4.1	0.140	3.56
1/0	4.5	Machine, Coil	0.177	4.5	0.153	3.89
2/0	4.9	Machine, Coil, Passing Link	0.192	4.9	0.166	4.22
3/0	5.3	Machine, Coil	0.207	5.3	0.179	4.55
4/0	5.5	Machine, Coil, Passing Link	0.218	5.5	0.189	4.80
5/0	6.4	Machine, Coil	0.250	6.4	0.217	5.50
1/8	4.0	Grade 30	0.156	4.0	0.135	3.43
3/16	5.5	Grade 30, 80, 100	0.217	5.5	0.189	4.80
1/4-9/32	7.0	Grade 30, 43, 70, 80, 100 (Grade 43 = 0.281)	0.276	7.0	0.239	6.07
5/16	8.4	Grade 30	0.331	8.4	0.286	7.28
5/16	8.7	Grade 43, 70	0.343	8.7	0.297	7.54
5/16	8.0	Grade 80, 100	0.312	8.0	0.273	6.93
3/8	10.0	Grade 30, 80, 100	0.394	10.0	0.342	8.69
3/8	10.3	Grade 43, 70	0.406	10.3	0.351	8.93
7/16	11.9	Grade 30, 43, 70	0.468	11.9	0.405	10.30
1/2	13.0	Grade 30, 80, 100	0.512	13.0	0.443	11.26
1/2	13.5	Grade 43, 70	0.531	13.5	0.460	11.68
5/8	16.0	Grade 30, 43, 70	0.630	16.0	0.546	13.87
3/4	20.0	Grade 80, 100	0.787	20.0	0.687	17.45
7/8	20.0	Grade 30, 43, 80, 100	0.866	22.0	0.750	19.05
1	26.0	Grade 30, 80	1.020	26.0	0.887	22.53
1-1/4	32.0	Grade 80	1.260	32.0	1.091	27.71
1-1/2	38.0	Grade 63	1.500	38.0	1.300	32.99

Warning: Remove chain from service if the thickness is less than the minimum shown, at any location on the link

Finish Abbreviations

- (S.C.) stands for Self Colored. A finish without any cleaning operations to remove oil or dirt or surface oxidation from the welding process
- (BRT) stands for Bright. A finish where the surface is cleaned by shot peening or tumbling to produce a clean bright surface
- (Z.P.) stands for Zinc Plated, Campbell's method of zinc electroplating. The zinc electroplating is an attractive finish that also serves to prevent the onset of rust on the chain.
- (Y.C.) stands for Yellow Chromate, a name for Campbell's method of zinc electroplating with a yellow chromate finish. The zinc electroplating is an attractive finish that also serves to prevent the onset of rust on the chain. The chromate finish serves to protect the zinc electroplate
- (GALV) stands for Hot-dip Galvanized. Hot-dip galvanizing is a process where the chain is immersed in molton zinc. This produces both a chemical reaction between the steel and the zinc, as well as an outside layer of zinc on the chain. The end result is an adherent coating of zinc that is much thicker than that produced by zinc electroplating. Corrosion resistance is proportional to zinc thickness, and therefore galvanized products offer superior corrosion resistance to electroplated products.
  Note: Due to the temperature of the molten zinc, the strengths of hot-dip galvanized products are often reduced by 15%
- (M-GALV) stands for Mechanically Galvanized. Mechanical galvanizing is a process where zinc powder is mechanically applied to the outside of the chain. Because this is a mechanical process and not a molten process, the coating is very uniform
- (Polycoated) is a finish where the chain is coated with a colored plastic powder which is then fused onto each link

ADVERTENCIA

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- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

System 3, Proof Coil Chain (Grade 30)

Drums

Half Drums

Round Pails

SquarePails

Reels

- Uses: Excellent general-purpose chain of standard commercial quality
- Frequently used for fabricating tow chains, binding or tie down chains and logging chains
- Standard Material: Low carbon steel
- Standard Finish: Self Colored (S.C.) or Galvanized (GALV); also available Zinc Plated (Z.P.) 3/16" through 1/2"; and polycoated
- Hallmarking: "C3" or "M3" on 5/16" (8mm) and larger
- Proof tested
- Packaging: Drums and half drums (order unit is "feet"), pails and refill reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Drums, System 3, Proof Coil Chain (Order Unit is "Feet")

Nominal Dimensions (in. and mm)																			
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Self Colored		Zinc Plated		Galvanized		Working Load Limit		Length/ ft. per drum	Lb/ 100'	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
1/8	4	.16	4	.89	23	.29	7	**0120202**	056932	--	--	**0120232**	056949	400	180	1000	19	13.5
3/16	6	.21	6	.95	24	.34	9	**0120302**	056970	**0120322**	057007	**0120332**	057045	800	365	1000	35	12.6
1/4	7	.26	7	1.20	30	.45	11	**0120402**	057076	**0120422**	057106	**0120432**	057144	1300	580	800	56	10.0
5/16	8	.31	8	1.27	32	.47	12	**0120502**	057205	**0120522**	057243	**0120532**	057281	1900	860	550	83	9.4
3/8	10	.37	10	1.36	35	.57	14	**0120602**	057335	**0120622**	057373	**0120632**	057410	2650	1200	400	125	8.8
7/16	12	.47	12	1.37	35	.75	19	--	--	--	--	**0120732**	057489	3700	1680	300	210	8.8
1/2	13	.48	13	1.70	43	.75	19	**0120802**	057502	**0120822**	057526	**0120832**	057557	4500	2030	200	238	7.1
5/8	16	.66	17	2.10	53	.87	22	**0121002**	057595	--	--	**0121032**	057618	6900	3130	150	390	5.7
3/4	20	.78	20	2.70	69	1.02	26	**0121202**	057632	--	--	**0121232**	057656	10,600	4800	100	536	4.4

Half Drums, System 3, Proof Coil Chain (Order Unit is "Feet")

Nominal Dimensions (in. and mm)																		
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Self Colored		Zinc Plated		Galvanized		Working Load Limit		Length/ ft. per drum	Lb/ 100'	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
3/16	6	.21	6	.95	24	.34	9	**0120300**	056956	--	--	**0120330**	057021	800	365	500	35	12.6
1/4	7	.26	7	1.20	30	.45	11	**0120400**	057052	--	--	**0120430**	057120	1300	580	400	56	10.0
5/16	8	.31	8	1.27	32	.47	12	**0120500**	057182	--	--	**0120530**	057267	1900	860	275	83	9.4
3/8	10	.37	10	1.36	35	.57	14	**0120600**	057311	--	--	**0120630**	057397	2650	1200	200	125	8.8

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Round Pails, System 3, Proof Coil Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)																		
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Self Colored		Zinc Plated		Galvanized		Working Load Limit		Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
3/16	6	.21	6	.95	24	.34	9	--	--	**0140323**	057991	**0140333**	058004	800	365	250	88	12.6
1/4	7	.26	7	1.20	30	.45	11	**0120402**	057076	**0120422**	057106	**0120432**	057144	1300	580	800	56	10.0
5/16	8	.31	8	1.27	32	.47	12	**0120502**	057205	**0120522**	057243	**0120532**	057281	1900	860	550	83	9.4
3/8	10	.37	10	1.36	35	.57	14	**0120602**	057335	**0120622**	057373	**0120632**	057410	2650	1200	400	125	8.8
7/16	12	.47	12	1.37	35	.75	19	--	--	--	--	**0120732**	057489	3700	1680	300	210	8.8
1/2	13	.48	13	1.70	43	.75	19	**0120802**	057502	**0120822**	057526	**0120832**	057557	4500	2030	200	238	7.1
5/8	16	.66	17	2.10	53	.87	22	**0121002**	057595	--	--	**0121032**	057618	6900	3130	150	390	5.7
3/4	20	.78	20	2.70	69	1.02	26	**0121202**	057632	--	--	**0121232**	057656	10,600	4800	100	536	4.4

‡ Approximate.

Square Pails, System 3, Proof Coil Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)																
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Zinc Plated		Galvanized		Working Load Limit		Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
1/8	4	.16	4	.89	23	.29	7	0143226	190360	--	--	400	180	200	38	13.5
1/8	4	.16	4	.89	23	.29	7	--	--	**0143236**	189326	400	180	325	62	13.5
3/16	6	.21	6	.95	24	.34	9	**0143326**	183058	**0143336**	183065	800	365	150	53	12.6
1/4	7	.26	7	1.20	30	.45	11	**0143426**	183072	**0143436**	183089	1300	580	100	56	10.0
5/16	8	.31	8	1.27	32	.47	12	**0143526**	183096	**0143536**	183102	1900	860	75	62	9.4
3/8	10	.37	10	1.36	35	.57	14	**0143626**	183119	**0143636**	183126	2650	1200	45	56	8.8

‡ Approximate.

Square Pails, System 3, Proof Coil Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Polycoated**		Working Load Limit		Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	lb	kg			
5/16	8	.31	8	1.27	32	.47	12	**HV0142526**	187940	1900	860	75	62	9.4

** Hi-visibility orange polycoated. ‡ Approximate.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Square Pails, Anchor lead, System 3, Proof Coil Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Galvanized & PolyCoated**		Working Load Limit		Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	lb	kg			
5/16	8	.31	8	1.27	32	.47	12	**0200356**	183881	1900	860	75	62	9.4

** White polycoated. ‡ Approximate.

Reels, System 3, Proof Coil Chain (Order Unit is "Each Reel")

Nominal Dimensions (in. and mm)																
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Zinc Plated		Polycoated Yellow		Working Load Limit		Feet/ Reel	Lb/ Reel	Reel Width in.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
3/16	6	.21	6	.95	24	.34	9	**0725027**	064982	**PD0725027**	184642	800	365	100	35	10.75
1/4	7	.26	7	1.20	30	.45	11	**0722127**	183270	--	--	1300	580	65	36	10.75
1/4	7	.26	7	1.20	30	.45	11	--	--	**PD0722127**	183393	1300	580	60	36	10.75
5/16	8	.31	8	1.27	32	.47	12	**0722227**	183287	--	--	1900	860	60	50	10.75
3/8	10	.37	10	1.36	35	.57	14	**0722327**	183294	--	--	2650	1200	35	44	10.75

Drums, Marine, Proof Coil Chain (Order Unit is "Feet")

Drums

- An excellent low-carbon steel chain made with a shorter link length than standard proof coil
- Packaging: Drums (order unit is "feet")
- Standard finish: Hot Dipped Galvanized (GALV)
- Proof tested

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
Hot Dipped Galvanized														
1/4	7	.28	7	1.00	25	.50	13	**0128132**	170645	1300	590	800	73	12
5/16	8	.34	9	1.10	28	.50	13	**0128232**	170652	1900	862	550	102	11
3/8	10	.41	10	1.23	31	.62	16	**0128332**	170669	2650	1202	400	160	9.7
1/2	13	.53	13	1.50	38	.81	21	**0128432**	170676	4500	2041	200	277	7.8
Self-colored														
1/4	7	.28	7	1.00	25	.50	13	**0128102**Δ	182969	1300	590	800	73	12
5/16	8	.34	9	1.10	28	.50	13	**0128202**Δ	182976	1900	862	550	102	11
3/8	10	.41	10	1.23	31	.62	16	**0128302**Δ	182983	2650	1202	400	160	9.7

Δ These items are made to order.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Drums, Mooring Chain (Order Unit is "Feet")

- An excellent low-carbon steel chain with a long link design for mooring applications
- The longer link allows the use of a shackle anywhere in the length of chain, not just at end links
- Greater Working Load Limit than Proof Coil
- Standard finish: Hot Dipped Galvanized (GALV)
- Packaging: Drums (order unit is "feet")
- Proof tested

Drums

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Hot Dipped Galvanized Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
3/8	10	.41	10	1.23	31	.62	16	**0128332**	170669	2650	1202	400	160	9.7
1/2	13	.53	13	1.50	38	.81	21	**0128432**	170676	4500	2041	200	277	7.8
5/8	16	.63	16	2.52	64	.94	24	**0129532**	152078	9000	4082	150	340	--
3/4	20	.79	20	3.00	76	1.16	29	**0129632**	152085	13500	6123	100	510	--

Drums, BBB Chain (Order Unit is "Feet")

- Made especially for windlass or pocket wheel applications, low carbon steel
- Packaged in drums, Order unit is "feet"
- Standard finish: Self-colored (S.C.)
- Proof tested

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
Self-colored														
9/16	14	.59	15	1.58	40	.78	20	**0150902**	058493	5875	2665	200	350	7

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

System 4, High Test Chain (Grade 43)

Drums

Round Pails

Square Pails

- Uses: Designed for use in load binding, towing, logging and other applications requiring high strength
- Standard Material: Carbon steel
- Standard Finish: Bright (BRT) and Galvanized(GALV); Zinc Plated (Z.P.) available in drums, pails and reels
- Hallmarking: “C4” or “M4”
- Proof tested
- Packaging: Drums (order unit is “feet”), pails and refill reels to fit Campbell merchandisers (order unit is “each”)
- **Do not use for overhead lifting**

Drums, System 4, High Test Chain (Order Unit is “Feet”)

Nominal Dimensions (in. and mm)																		
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Bright		Zinc Plated		Galvanized		Working Load Limit		Feet/ Drum	Lb/ 100’	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
1/4	7	.28	7	1.20	30	.45	11	**0180412**	058769	**0180422**	058790	**0180432**	058820	2600	1180	800	63	10.0
5/16	8	.33	8	1.27	32	.47	12	**0180512**	058851	**0180522**	058882	**0180532**	058912	3900	1770	550	95	9.4
3/8	10	.39	10	1.15	29	.58	15	**0180612**	058943	--	--	**0180632**	059018	5400	2450	400	155	10.4
1/2	13	.53	13	1.70	43	.75	19	**0180812**	059094	--	--	**0180832**	059155	9200	4170	200	260	7.1
5/8	16	.66	17	1.94	49	.93	24	**0181012**	059186	--	--	**0181032**	059216	13,000	5910	150	356	6.2
3/4	20	.78	20	2.21	56	1.10	28	**0181212**	059254	--	--	--	--	20,200	9180	100	581	5.4

Round, Pails, System 4, High Test Chain (Order Unit is “Each Pail”)

Nominal Dimensions (in. and mm)																	
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Bright		Zinc Plated		Working Load Limit		Feet/ Pail ‡	Lb/ Pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg			
1/4	7	.28	7	1.20	30	.45	11	**0180413**	059278	**0180423**	059285	2600	1180	150	98	10.0
5/16	8	.33	8	1.27	32	.47	12	**0180513**	059292	**0180523**	059308	3900	1770	100	95	9.4
3/8	10	.39	10	1.15	29	.58	15	**0180613**	059315	**0180623**	059322	5400	2450	75	116	10.4

‡ Approximate.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Square, Pails, System 4, High Test Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)								Bright		Galvanized		Working Load Limit				
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418			Feet/ Pail ‡	Lb/ Pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm					lb	kg			
1/4	7	.28	7	1.20	30	.45	11	**0184416**	183133	**0184436**	185861	2600	1180	100	66	10.0
5/16	8	.33	8	1.27	32	.47	12	**0184516**	183140	**0184536**	185878	3900	1770	60	57	9.4
3/8	10	.39	10	1.15	29	.58	15	**0184616**	183157	**0184636**	185885	5400	2450	40	63	10.4

‡ Approximate.

Square, Pails, System 4, High Test Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)								Polycoated Hi-Visibility Orange		Working Load Limit				
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418			Ft. per pail ‡	Lb/ pail	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
5/16	8	.33	8	1.27	32	.47	12	**HV0184526**	187698	3900	1770	60	50	9.4

‡ Approximate.

Drums, Sweep Chain (Order Unit is "Feet")

- Produced specifically for scallop and oyster dredging
- Thru hardened for wear resistance
- Packaged in drums, Order unit is "feet"
- Proof tested

Drums

Nominal Dimensions (in. and mm)								Bright		Working Load Limit				
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418			Feet/ Drum	Lb/ 100'	Links/ ft.
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
5/16	16	.66	16	1.94	49	.93	24	**0181092**	179921	15800	7170	150	409	6.19

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Drums, Marine Alloy Trawl Chain (Order Unit is “Feet”)

Midlink

Long Link

- Made of high strength, heat treated alloy steel
- Designed for use with the larger nets in the trawling industry
- Grade 80 strengths
- Proof tested
- Special heat treatment for the trawling industry
- Packaged in drums, Order unit is “feet”

Drums

Nominal Dimensions (in. and mm)													
Trade Size			Inside Dimensions				Bright		Working Load Limit				
			Length		Width		Cat. No.	UPC No. 020418			Feet/ Drum	Lb/ 100’	Links/ ft.
in.	mm		in.	mm	in.	mm			lb	kg			
½	13	Long Link	3.15	80	.97	24	**0407512**	190452	12000	5443	300	190	--
⅝	16	Long Link	3.71	94	1.00	25	**0407612** Δ	190469	18100	8210	150	315	--
¾	19	Long Link	3.99	101	1.29	33	**0407712**	190476	28300	12837	100	480	--
⅞	22	Midlink	4.00	102	1.15	29	**0406812** Δ	190445	34200	15513	80	650	--

Δ These items are made to order.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

System 7, Transport Chain (Grade 70)

Drums

Half Drums

Round Pails

SquarePails

- Uses: For use in load binding, towing and logging
- Can be used in accordance with Department of Transportation regulations
- Standard Material: Heat treated carbon steel
- Standard Finish: Zinc electroplate with yellow chromate conversion coating
- Hallmarking: “C7” or “M7”
- Proof tested
- Packaging: Drums and half drums (order unit is “feet”), pails (order unit is “each”)
- **Do not use for overhead lifting**

Drums, System 7, Transport Chain (Order Unit is “Feet”)

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100’	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
1/4	7	.31	8	.94	24	.46	12	**0510412**	063763	3150	1430	800	94	12.8
5/16	8	.34	9	1.01	26	.48	12	**0510512**	063800	4700	2130	550	111	11.9
3/8	10	.41	10	1.36	35	.57	14	**0510612**	063848	6600	2990	400	150	8.8
7/16	12	.47	12	1.29	33	.67	17	**0510712**	063886	8750	3970	300	212	9.3
1/2	13	.53	13	1.70	43	.75	19	**0510812**	063916	11300	5130	200	260	7.1

Half Drums, System 7, Transport Chain (Order Unit is “Feet”)

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100’	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
1/4	7	.31	8	.94	24	.46	12	**0510410**	063749	3150	1430	400	94	12.8
5/16	8	.34	9	1.01	26	.48	12	**0510510**	063787	4700	2130	275	111	11.9
3/8	10	.41	10	1.36	35	.57	14	**0510610**	063824	6600	2990	200	150	8.8
1/2	13	.53	13	1.70	43	.75	19	**0510810**	063893	11300	5130	100	260	7.1

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Round Pails, System 7, Transport Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Pail ‡	Lb/ Pail	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
1/4	7	.31	8	.94	24	.46	12	**0510413**	063770	3150	1430	150	139	12.8
5/16	8	.34	9	1.01	26	.48	12	**0510513**	063817	4700	2130	100	114	11.9
3/8	10	.41	10	1.36	35	.57	14	**0510613**	063855	6600	2990	75	113	8.8

‡ Approximate.

Square Pails, System 7, Transport Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Pail ‡	Lb/ Pail	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
1/4	7	.31	8	.94	24	.46	12	**0510426**	183867	3150	1430	65	64	12.8
5/16	8	.34	9	1.01	26	.48	12	**0510526**	183874	4700	2130	50	60	11.9
3/8	10	.41	10	1.36	35	.57	14	**0510626**	186639	6600	2990	45	68	8.8

‡ Approximate.

Drums, Tuna Net Chain (Order Unit is "Feet")

Drums

- Made of high strength, heat treated steel
- Designed for sinker lines and bridles in purse seining
- Hot dipped Galvanized (GALV)
- Proof tested
- Packaged in drums, Order unit is "feet"

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Hot Dipped Galvanized Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
3/8	10	.41	10	1.36	34	.57	14	**0514632**	175480	5600	2550	400	155	9.75
7/16	12	.47	12	1.37	35	.75	19	**0514732**	064241	7500	3410	300	217	8.75
1/2	13	.50	13	1.70	43	.75	19	**0514832**	064272	9600	4360	200	238	7.75
5/8	16	.63	16	1.93	49	.87	22	**0514932**	177507	13500	6140	150	375	6.25

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Drums, Dock Fender Chain (Order Unit is "Feet")

- High tensile chain holds thick rubber fenders to dock sides
- Galvanized
- Packaged in drums, Order unit is "feet"

Drums

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Hot Dipped Galvanized Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
5/8	16	.66	16	3.75	95	.90	23	**0516531** Δ	181887	12500	5860	--	320	--
3/4	19	.78	20	3.75	95	1.13	29	**0516631** Δ	181894	22300	10100	--	446	--
1	25	1.00	26	4.13	105	1.38	35	**0516831** Δ	181917	40000	18200	--	614	--

Δ These items are made to order.

Beacon Fishing Chain

Drums

- Uses: Designed to accommodate all types of chain needs in the trawling and marine industry
- Standard Material: Heat treated carbon steel
- Standard Finish: Bright (BRT)
- Hallmarking: "CB" and a Lighthouse Beacon
- Proof tested
- Packaging: Drums (order unit is "feet")
- **Do not use for overhead lifting**

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Drum Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
3/8	10	.39	10	1.58	40	.59	15	**0520612**	064302	6600	2990	200	134	7.6
1/2	13	.51	13	2.05	52	.83	21	**0520812**	064319	11300	5130	200	230	5.9
5/8	16	.63	16	2.52	64	.94	24	**0521012**	064326	15800	7167	200	340	4.8

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

System 8, Cam-Alloy Chain (Grade 80)

Drums

- Uses: Specifically recommended for overhead lifting
- Standard Material: Alloy steel, heat treated
- Standard Finish: Bright (BRT)
- Hallmarking: “C8” or “CA8” and traceability code
- Proof tested
- Packaging: Continuous lengths in drums (order unit is “feet”)

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Drum Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100’	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
7/32	5.5	.22	6	.69	18	.30	8	**0400312**	063312	2100	970	800	43	17.5
5/16	8	.32	8	.94	24	.46	12	**0400512**	063367	4500	2000	500	92	12.8
1	26	1.00	25	2.80	71	1.40	36	**0401612**	063510	47700	21600	100	965	4.3
1 1/4	32	1.25	32	3.50	89	1.75	44	**0402012**	063534	72300	32800	60	1525	3.5

System 10, Cam-Alloy Chain (Grade 100)

Drums

- Uses: Specifically recommended for overhead lifting. 25% stronger than System 8. Enables you to perform same lifts with lighter weight chain
- Standard Material: Alloy steel, heat treated
- Proof tested
- Standard Finish: Bright (BRT)
- System 10 chain should not be plated or galvanized
- Hallmarking: C10 and traceability code
- Packaging: Continuous lengths in drums (order unit is “feet”)

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Drum Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Drum	Lb/ 100’	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
9/32	7	.29	7	.87	22	.41	10	**0405212**	182204	4300	1950	500	74	13.8
3/8	10	.40	10	1.22	31	.57	14	**0405412**	182211	8800	4000	500	148	10.0
1/2	13	.52	13	1.58	40	.75	19	**0405512**	182228	15000	6800	300	250	7.8
5/8	16	.64	16	1.93	49	.87	22	**0405612**	182235	22600	10300	200	379	6.5
3/4	20	.80	20	2.42	61	1.09	28	**0405712**	182242	35300	16000	100	598	5.5
7/8	22	.88	22	2.70	68	1.28	32	**0405812**	063497	42700	19400	100	775	4.4

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Stainless Steel Chain

- Uses: Food processing, chemical and marine applications, wherever non-magnetic, electrically welded corrosion resistant chain is needed
- Standard Material: Type 316L Stainless
- Standard Finish: Bright (BRT)
- Hallmarking: 316
- Proof tested
- Packaging: Bulk. Order unit is "feet"
- **Do not use for overhead lifting**

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	Bright UPC No. 020418	Working Load Limit		Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg		
5/32	4	.156	4	.77	19	.28	7	**0192411** Δ	177422	500	226	21	15.6
3/16	5	.196	5	.91	23	.34	8	**0192711** Δ	176043	930	422	41	13.2
1/4	7	.250	6	1.00	25	.43	11	**0192911** Δ	176050	1570	712	75	12.0
5/16	8	.312	8	1.03	26	.49	12	**0193111** Δ	176067	2400	1089	95	11.7
3/8	10	.394	10	1.22	31	.51	13	**0193311** Δ	176074	3550	1610	138	9.8

Nominal Dimensions (in. and mm)														
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	Bright UPC No. 020418	Working Load Limit		Feet/ Reel	Lb/ Reel	Reel Width in.
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg			
5/32	4	.156	4	.77	19	.28	7	**0190424**	205552	500	226	50	10.4	3.5

Δ These items are cut to order.
Working load limits (WLL) shown are room temperatures. Reduce WLL by 15% for temperatures up to 250°F, 25% between 250°F and 800°F, 33% between 800°F and 1000°F, 50% between 1000°F and 1200°F, and 60% between 1200°F and 1400°F.

Aluminum Chain

- Uses: Chemical processing, petroleum refining, food processing, landscaping, crowd control, wherever a non-magnetic, non-sparking chain is needed
- Standard Material: 5056 aluminum-magnesium alloy
- Standard Finish: Bright (BRT)
- Proof tested
- Packaging: Bulk order unit is "feet"
- **Do not use for overhead lifting or dynamic load conditions**

Nominal Dimensions (in. and mm)													
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Lb/ 100'	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg		
17/64	7	.26	7	1.06	27	.37	9	**0635211**	176098	550	249	19	11.3
5/16	8	.34	9	1.14	29	.49	12	**0635311**	176104	850	380	36	10.5

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Straight Link Machine Chain

Individual chain links shown actual size in reference section page 44.

Carton

Reel

- Uses: General utility; farm and animal
- Standard Material: Low carbon steel
- Standard Finish: Bright (BRT), Zinc Plated (Z.P.) and Brass Glo
- Proof tested
- Packaging: 100-foot cartons (order unit is "feet"), refill reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Carton - Straight Link Machine Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Bright Cat. No.	Bright UPC No. 020418	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Length Carton/ ft.	Lb/ 100'	Links/ ft.
4	.12	3	.55	14	.21	5	--	--	**0310424**	060908	215	98	100	11	21.8
3	.14	3	.59	15	.24	6	--	--	**0310324**	060878	270	122	100	15	20.3
2	.15	4	.61	15	.26	7	--	--	**0310224**	060847	325	147	100	19	19.7
1/0	.18	4	.74	19	.31	8	--	--	**0311024**	060946	465	211	100	27	16.2
2/0	.18	5	.78	20	.34	9	**0312014**	060977	**0312024**	060984	545	247	100	29	15.4
3/0	.21	5	1.01	26	.36	9	--	--	**0313024**	061011	635	288	100	37	11.9
4/0	.23	6	1.03	26	.38	10	--	--	**0314024**	061042	700	318	100	47	11.7
5/0	.25	6	1.07	27	.44	11	**0315014**	061073	**0315024**	061080	925	420	100	52	11.2

Reels-Straight Link Machine Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Brass Glo Cat. No.	Brass Glo UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
4	.12	3	.55	14	.21	5	**AW0310427**	145384	--	--	215	98	100	12	22	3.5
3	.14	3	.59	15	.24	6	--	--	**0723367**	064814	270	122	50	9	20	3.5
2	.15	4	.61	15	.26	7	**0726727**	184475	--	--	325	147	125	26	19.7	10.75

(Reels used on Campbell merchandisers)

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Twist Link Machine Chain

Carton

Reel

Round Pail

Square Pail

Individual chain links shown actual size in reference section page 45.

- Uses: General utility
- Standard Material: Low carbon steel
- Standard Finish: Bright (BRT), Zinc Plated (Z.P.), Galvanized (GALV) and Brass Glo
- Packaging: 100 ft. cartons (order unit is "feet"), refill reels to fit Campbell merchandisers (order unit is "each") and pails (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Twist Link Machine Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Bright Cat. No.	Bright UPC No. 020418	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Galvanized Cat. No.	Galvanized UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Length Carton/ ft.	Lb/ 100'	Links/ ft.
3	.14	3	.56	14	.20	5	--	--	**0320324**	061165	--	--	255	116	100	16	21.4
2	.15	4	.58	15	.21	5	**0320214**	061127	**0320224**	061134	--	--	310	141	100	20	20.7
1/0	.18	4	.68	17	.26	7	--	--	**0321024**	061219	--	--	440	200	100	28	17.6
2/0	.18	5	.73	19	.28	7	**0322014**	061233	--	--	--	--	520	236	100	31	16.4
4/0	.23	6	.89	23	.32	8	--	--	**0324024**	061301	--	--	670	304	100	48	13.5
5/0	.25	6	1.00	25	.37	9	--	--	--	--	**0325034**	061349	880	399	100	56	12.0

Reels-Twist Link Machine Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Brass Glo Cat. No.	Brass Glo UPC No. 020418	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
4	.12	3	.52	13	.17	4	--	--	**AW0320427**	145391	205	93	100	13	23	3.5
2	.15	4	.58	15	.21	5	**0723388**	064838	--	--	310	141	70	15	20.7	3.5
2	.15	4	.58	15	.21	5	--	--	**0726627**	184468	310	141	125	27	20.7	5.5
2/0	.18	5	.73	19	.28	7	--	--	**0722527**	183300	520	236	70	21	16	5.5

Rd. Pail-Twist Link Machine Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
2/0	.18	5	.73	19	.28	7	**0329500**	169434	520	236	300	95	16.4

‡ Approximate.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Square Pails - Twist Link Machine Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No. Zinc Plated	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
2/0	.18	5	.73	19	.28	7	**0322026**	183171	520	236	175	54	16.4

‡ Approximate.

Straight Link Coil Chain

Individual chain links shown actual size in reference section page 44.

Carton

Reel

Round Pail

Square Pail

- Uses: Typical uses include tailgates, barrier guards, animal ties
- Standard Material: Low carbon steel
- Standard Finish: Zinc Plated (Z.P.) and polycoated
- Proof tested
- Green sleeve used in swing set application
- Packaging: 100-foot cartons (order unit is "feet"), pails (order unit is "each"), refill reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Straight Link Coil Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No. Zinc Plated	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Length ft./ Carton	Lb/ 100'	Links/ ft.
4	.12	3	1.11	28	.21	5	**0330424**	061455	205	93	100	10	10.8
3	.14	3	1.17	30	.24	6	**0330324**	061424	255	116	100	13	10.3
2	.15	4	1.18	30	.26	7	**0330224**	061394	310	141	100	15	10.2
1	.16	4	1.25	32	.28	7	**0330124**	061363	370	168	100	19	9.6
1/0	.18	4	1.25	32	.31	8	**0331024**	061516	440	200	100	22	9.6
2/0	.18	5	1.29	33	.34	9	**0332024**	061578	520	236	100	24	9.3
3/0	.21	5	1.30	33	.36	9	**0333024**	061622	605	274	100	31	9.2
4/0	.22	6	1.39	35	.38	10	**0334024**	061660	670	304	100	35	8.6
5/0	.234	6	1.52	39	.44	11	**0335024**	061721	880	399	100	41	7.9

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Reels-Straight Link Coil Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Yellow Polycoated Cat. No.	UPC No. 020418	Zinc Plated Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
4	.12	3	1.11	28	.21	5	--	--	**AW0330427**	145445	205	93	100	11	10.8	3.5
2	.15	4	1.18	30	.26	7	--	--	**0726827**	184482	310	141	125	21	10.2	10.75
2/0	.19	5	1.29	33	.34	9	--	--	**0722827**	183843	520	236	40	14	9.3	3.5
2/0	.19	5	1.29	33	.34	9	--	--	**0723627**	064869	520	236	125	37	9.3	10.75
2/0	.19	5	1.29	33	.34	9	**PD0722627**	183409	--	--	520	236	120	35	9.3	10.75
3/0	.21	5	1.30	33	.36	9	--	--	**0724527**	175732	605	274	100	31	9.2	10.75

Reels-Straight Link Coil Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Green Sleeve Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
2/0	.19	5	1.29	33	.34	9	**PS0332027**	208997	520	236	60	21	9.3	10.75

Round Pails - Straight Link Coil Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Zinc Plated Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
2/0	.18	5	1.29	33	.34	9	**0332023**	061561	520	236	400	97	9.3

‡ Approximate.

Square Pails - Straight Link Coil Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Zinc Plated Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
1	.16	4	1.25	32	.28	7	**0330126**	187643	370	168	350	66	9.6
1/0	.18	4	1.25	32	.31	8	**0331026**	187667	440	200	250	55	9.6
2/0	.18	5	1.29	33	.34	9	**0332426**	183188	520	236	225	55	9.3
5/0	.234	6	1.52	39	.44	11	**0335026**	187674	880	399	140	57.7	7.9

‡ Approximate.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Studio Chain

Carton

- Uses: Hanging theatrical lights and fixtures
- Standard Material: Low carbon steel
- Standard Finish: Bright (BRT)
- Proof tested

- Packaging: 100 feet, cartons
- **Do not use for overhead lifting**
- Hallmarking: “CS” and “USA”
- Also available as SPECIAL ORDER in Drums

Carton - Studio Chain (Order unit is “Feet”)

Nominal Dimensions (in. and mm)													
Trade Size		Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Cat. No.	UPC No. 020418	Working Load Limit		Lb/ 100’	Links/ foot
in.	mm	in.	mm	in.	mm	in.	mm			lb	kg		
6/0	--	.28	7	1.50	38	.47	12	**0336015**	192876	2000	907	63	8

Twist Link Coil Chain

Individual chain links shown actual size in reference section page 45.

Carton

Reel

- Uses: Typical uses include tailgates, barrier guards, animal ties. Difference over straight link is twist link chain lies flat
- Standard Material: Low carbon steel
- Standard Finish: Zinc Plated (Z.P.), Brass-Glo

- Packaging: 100-foot cartons (order unit is “feet”), refill reels to fit Campbell merchandisers (order unit is “each”)
- **Do not use for overhead lifting**

Cartons - Twist Link Coil Chain (Order Unit is “Feet”)

Nominal Dimensions (in. and mm)													
Trade Size	Mat. Dia.		Inside Dimensions Length		Inside Dimensions Width		Zinc Plated Cat. No.	UPC No. 020418	Working Load Limit		Feet/ Carton	Lb/ 100’	Links/ foot
	in.	mm	in.	mm	in.	mm			lb	kg			
3	.14	3	1.14	29	.21	5	**0340324**	061868	240	109	100	13	10.5

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Reels - Twist Link Coil Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	Brass Glo UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
3	.14	3	1.14	29	.21	5	**0723167**	064777	240	109	50	7.5	10.5	3.5

Passing Link Chain

Carton

Reel

Square Pail

Individual chain links shown actual size in reference section page 45.

- Uses: General utility, farm and animal
- Standard Material: Low carbon steel
- Standard Finish: Zinc Plated (Z.P.) and Galvanized (GALV)
- Proof tested
- Packaging: 100 ft. cartons (order unit is "feet"), refill reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Passing Link Chain (Order unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Length/ Carton Feet	Lb/ 100'	Links/ ft.
4/0	.22	6	.88	22	.50	13	**0304024**	060786	600	272	100	43	13.8

Reels - Passing Link Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
2/0	.18	5	.88	22	.47	12	**0722927**	183317	450	204	125	36.1	13.75	10.75
2/0	.18	5	.88	22	.47	12	**0722957**	183478	450	204	50	14.5	13.75	5.5

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Square Pails - Passing Link Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
2/0	.18	5	.88	22	.47	12	**0309526**	183164	450	204	200	57.8	13.8

‡ Approximate.

Handy Link Utility Chain

Square Pail

Reel

- Uses: For hanging fixtures and plants, animal ties
- Standard Material: Low carbon steel
- Standard Finish: Zinc Plated (Z.P.)
- Proof tested
- Packaging: Refill reels (order unit is "each"), 500 foot square pails (order unit is "each")
- **Do not use for overhead lifting**

Square Pails - Handy Link Utility Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
120	.120	3	1.35	34	.34	9	**0339626**	183195	255	116	500	50	8.9

‡ Approximate.

Reels - Handy Link Utility Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
120	.120	3	1.35	34	.34	9	**0723169**	064784	255	116	175	17.5	8.9	10.75

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Lock Link, Single Loop Chain

Carton

Reel

Individual chain links shown actual size in reference section page 45.

Wrapped

- Uses: Ideal for sprocket wheel, overhead door chains, general utility use
- Standard Material: Low carbon steel, also available in stainless and brass on special order
- Standard Finish: Zinc Plated (Z.P.), Galvanized (GALV)
- Packaging: 100 ft. cartons (order unit is "feet") and on reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Lock Link, Single Loop Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Zinc Plated Cat. No.	UPC No. 020418	Galvanized Cat. No.	UPC No. 020418	Standard End Types Wrapped	Working Load Limit lb	kg	Length ft./ Carton	Lb/ 100'	Links/ ft.
2	.09	2	1.08	27	--	--	**0740224**	066238	**0740234**	066252	X	155	70	100	9	11.1
1/0	.12	3	1.29	33	--	--	**0741024**	066290	**0741034**	066320	X	265	120	100	16	9.3
2/0	.14	3	1.48	38	--	--	**0742024**	066375	**0742034**	066399	X	340	154	100	23	8.1
3/0	.15	4	1.63	41	--	--	**0743024**	066412	**--**	--	X	405	184	100	26	7.4
2/0	.18	5	.78	20	.34	9	**0312014**	060977	**0312024**	060984	X	545	247	100	29	15.4
3/0	.21	5	1.01	26	.36	9	**--**	--	**0313024**	061011	X	635	288	100	37	11.9
4/0	.16	4	1.80	46	--	--	**0744024**	066481	**0744034**	066511	X	485	220	100	29	6.7
5/0	.18	4	2.15	55	--	--	**0745024**	066566	**0745034**	066597	X	580	263	100	34	5.6

Reels - Lock Link, Single Loop Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Zinc Plated Cat. No.	UPC No. 020418	Galvanized Cat. No.	UPC No. 020418	Standard End Types Wrapped	Working Load Limit, Steel lb	kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
2	.09	2	1.08	27	**--**	--	**0740237**	066269	X	155	70	360	33	11.1	10.75
1/0	.12	3	1.29	33	**0741027**	066306	**0741037**	066337	X	265	120	250	40	9.3	10.75
3/0	.15	4	1.63	41	**0723427**	064845	**--**	--	X	405	184	125	33	7.4	10.75
3/0	.15	4	1.63	41	**0722427**	183454	**--**	--	X	405	184	50	16.5	7.4	5.5
4/0	.16	4	1.80	46	**0744027**	066498	**0744037**	066528	X	485	220	100	29	6.7	10.75
5/0	.18	4	2.15	55	**--**	--	**0745037**	066603	X	580	263	100	34	5.6	10.75

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Brass Plumber's Chain

Carton

Reel

- Uses: Plumbing fixtures, and other applications requiring light flat metal chain
- Standard Material: Brass
- Standard Finish: Bright (BRT)
- Packaging: 100 foot cartons (order unit is "feet") and on reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Brass Plumber's Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Stock Thickness in.	Stock Thickness mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Cat. No.	Bright UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Ctn.	Lb/ 100'	Links/ ft.
2/0	.02	1	.55	14	**0872014**	067877	23	10	100	2	21.8
1/0	.02	1	.55	14	**0871014**	067839	35	16	100	2	21.8
1	.03	1	.65	14	**0870114**	067778	45	20	100	4	18.5

Reels - Brass Plumber's Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Stock Thickness in.	Stock Thickness mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Cat. No.	Bright UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Links/ ft.	Reel Width in.
1/0	.02	1	.55	14	**0723817**	064883	35	16	200	5	21.8	3.5

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Inco Double Loop Chain

Carton

Reel

Round Pail

Square Pail

Individual chain links shown actual size in reference section page 45.

- Uses: Playground and gymnasium equipment (1/0 and larger), farm and animal chains, and many general-purpose applications
- Standard Material: Low carbon steel
- Standard Finish: Zinc Plated (Z.C.), Galvanized (GALV) and polycoated
- Packaging: 100 foot cartons, (order unit is "feet") and on reels and pails to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**
- **Note: Avoid twisting in suspension applications**

Cartons - Inco, Double Loop Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Zinc Plated Cat. No.	UPC No. 020418	Galvanized Cat. No.	UPC No. 020418	Working Load Limit lb	kg	Feet/ Carton	Lb/ 100'	Links/ ft.
5	.06	2	.92	23	--	--	**0750524**	066856	--	--	55	25	100	4	13.0
4	.07	2	1.00	25	--	--	**0750424**	066818	--	--	70	32	100	5	12.0
3	.08	2	1.10	28	--	--	**0750324**	066764	**0750334**	066788	90	41	100	6	10.9
2	.09	2	1.33	34	--	--	**0750224**	066696	--	--	115	52	100	8	9.0
1	.11	3	1.54	39	--	--	**0750124**	066641	--	--	155	70	100	10	7.8
1/0	.12	3	1.78	45	--	--	--	--	**0751034**	066924	200	91	100	13	6.7
2/0	.14	3	2.17	55	--	--	**0752024**	066979	**0752034**	067006	255	116	100	16	5.5
4/0	.16	4	2.19	56	--	--	--	--	**0754034**	067105	365	166	100	25	5.5
8/0	.23	6	2.90	74	--	--	--	--	**0758034**	067167	705	320	100	51	4.1

Campbell recommends the use of Proof Coil or Straight Link Coil Chain for swing set applications.

Round Pails - Inco, Double Loop Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Zinc Plated Cat. No.	UPC No. 020418	Working Load Limit lb	kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
2/0	.14	3	2.17	55	--	--	**0752023**	066962	255	116	350	56	5.5

‡ Approximate.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Square Pails - Inco, Double Loop Chain (Order Unit is "Each Pail")

Nominal Dimensions (in. and mm)																		
Trade Size	Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Inside Dimensions Width in.	Inside Dimensions Width mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	White Polycoated Cat. No.	White Polycoated UPC No. 020418	Yellow Polycoated Cat. No.	Yellow Polycoated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Pail ‡	Lb/ Pail	Links/ ft.
3	.08	2	1.10	28	-	-	**0754326**	183348	--	--	--	--	90	41	750	47	10.9
1	.11	3	1.54	39	-	-	**0754126**	183331	--	--	--	--	155	70	450	45	7.8
2/0	.14	3	3.17	81	-	-	**0752426**	183324	--	--	--	--	255	116	275	50	5.5
2/0	.14	3	3.17	55	-	-	--	--	**PA0752496**	183362	**PD0752496**	183584	255	116	275	50	5.5

‡ Approximate
Campbell recommends the use of Proof Coil or Straight Link Coil Chain for swing set applications.

Reels - Inco, Double Loop Chain (Order Unit is "Each Reel")

Nominal Dimensions (in. and mm)																				
									Polycoated											
Trade Size	Mat. Dia. in.	Mat. Dia. mm	Inside Length in.	Inside Length mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	White Cat. No.	White UPC No. 020418	Yellow Cat. No.	Yellow UPC No. 020418	Green Cat. No.	Green UPC No. 020418	Red Cat. No.	Red UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Reel Width in.	Links/ ft.
4	.07	2	1.00	25	**0720427**	064593	--	--	--	--	--	--	--	--	70	32	500	24.0	10.75	12
3	.08	2	1.10	28	**0723227**	064791	--	--	--	--	--	--	--	--	90	41	200	14.0	5.5	10.9
3	.08	2	1.10	28	--	--	**PA0722227**	183850	--	--	--	--	**PG0722227**	183423	90	41	150	10.5	5.5	10.9
2	.09	2	1.33	34	**0750227**	066102	--	--	--	--	--	--	--	--	115	52	250	20.0	10.75	9.0
1	.11	3	1.54	39	**0720127**	0654579	--	--	--	--	--	--	--	--	155	70	250	25.0	10.75	7.8
1	.11	3	1.54	39	**0722627**	183461	--	--	--	--	--	--	--	--	155	70	125	13.8	5.5	7.8
1/0	.12	3	1.78	45	**AW0751024**	145612	--	--	--	--	--	--	--	--	200	91	100	13.0	5.5	6.7
2/0	.14	3	2.17	55	--	--	**PA0722027**	183355	**PD0722027**	183386	**PE0722027**	183416	--	--	255	116	125	26.8	10.75	5.5
2/0	.14	3	2.17	55	**0722027**	183263	--	--	--	--	--	--	--	--	255	116	155	27.9	10.75	5.5
2/0	.14	3	2.17	55	**0722087**	183836	--	--	--	--	--	--	--	--	255	116	60	10.9	10.75	5.5
2/0	.14	3	2.17	55	--	--	--	--	**PD0722087**	183577	--	--	--	--	255	116	50	10.9	5.5	5.5
3/0	.15	4	2.17	55	**0726427**	184444	--	--	--	--	--	--	--	--	305	138	150	34.2	5.5	5.5
4/0	.16	4	2.19	56	**0724627**	209253	--	--	--	--	--	--	--	--	365	166	100	28.4	10.75	5.5

Campbell recommends the use of Proof Coil or Straight Link Coil Chain for swing set applications.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Special Inco Well Chain

- Uses: General utility; farm and animal; well pipes
- Standard Material: Low carbon steel, galvanized wire
- Packaging: Order unit is "carton"
- **Do not use for overhead lifting**

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	Zinc Coated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Carton Feet	Carton/ Lb	Links/ ft.
2/0	.14	3	2.50	63	-	-	**0762024**	067174	255	116	250	41	5.5

Single and Double Jack Chain

Carton

Reel

Single

Double

Individual chain links shown actual size in reference section page 46.

- Uses: Fixture and novelty suspension, general utility use not requiring high strength
- Standard Material: Low carbon steel or brass
- Standard Finish: Zinc Plated (Z.P.), polycoated and Brass Glo
- Packaging: 100 foot cartons (order unit is "feet") and on reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

Cartons - Single Jack Chain (Order Unit is "Feet")

Trade Size	Nominal Dimensions (in. and mm) Mat. Dia. in.	Mat. Dia. mm	Inside Length in.	Inside Length mm	Steel, Zinc Plated Cat. No.	Steel, Zinc Plated UPC No. 020418	Brass, Bright Cat. No.	Brass, Bright UPC No. 020418	Working Load Limit Steel lb	Steel kg	Brass lb	Brass kg	Feet/ Carton	Lb/ 100'	Links/ ft.
16	.06	2	.50	13	**0801624**	067402	**0811614**	067587	10	5	8	4	100	3	24
14	.08	2	.63	16	**0801424**	067365	--	--	16	7	11	5	100	4.15	19
12	.11	3	.75	19	**0801224**	067327	--	--	29	13	20	9	100	8.5	16
10	.14	3	.93	24	**0801024**	067280	--	--	43	20	34	15	100	14	13
8	.16	4	1.09	28	**0800824**	067235	--	--	60	27	43	20	100	21	11

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Reels - Single Jack Chain (Order Unit is "Each Reel")

Nominal Dimensions (in. and mm)																				
Trade Size	Mat. Dia.		Inside Length		Steel, Zinc Plated		Solid Brass, Bright		Steel, Brass Glo		Black Polycoated		Working Load Limit				Feet/ Reel	Lb/ Reel	Reel Width in.	Links/ ft.
													Steel		Brass					
	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	lb	kg				
18	.05	1	.39	10	**AW0801827**	145711	--	--	--	--	--	--	5	2	4	2	200	5	3.5	31
16	.06	2	.50	13	**0724027**	064920	--	--	--	--	--	--	10	5	8	4	250	8	3.5	24
16	.06	2	.50	13	--	--	**AW0811617**	145759	--	--	--	--	10	5	8	4	200	9	3.5	24
14	.08	2	.63	16	--	--	--	--	--	--	**PB0722827**	183379	16	7	11	5	190	10	3.5	19
14	.08	2	.63	16	**AW0801427**	145698	**AW0811417**	145742	--	--	--	--	16	7	11	5	200	12	3.5	19
12	.11	3	.75	19	**0801227**	067334	--	--	--	--	--	--	29	13	20	9	500	45	10.75	16
12	.11	3	.75	19	**0721727**	064746	--	--	**0724022**	064913	--	--	29	13	20	9	100	9	3.2	16
12	.11	3	.75	19	**AW0801227**	145681	**AW0811217**	145735	--	--	--	--	29	13	20	9	200	17	5.5	16
10	.14	3	.93	24	--	--	--	--	**0724020**	064906	--	--	43	20	34	15	100	15	5.5	13
10	.14	3	.93	24	**AW0801027**	145674	--	--	--	--	--	--	43	20	34	15	100	15	5.5	13

Reels - Double Jack Chain (Order Unit is "Each Reel)"

Nominal Dimensions (in. and mm)														
Trade Size	Mat. Dia.		Inside Length		Zinc Plated		Brass Glo		Working Load Limit		Feet/ Reel	Lb/ Reel	Reel Width in.	Links/ Reel
	in.	mm	in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg				
16	.06	2	.50	13	**0721627**	064722	**0721667**	064739	11	5	200	9	3.5	24

Sash Chain

Individual chain links shown actual size in reference section page 46.

Carton

Reel

- Uses: Counter-balance chain for double hung window sashes, arc lamp chain, animal chain
- Standard Material: Low carbon steel or bronze, and also available in stainless steel
- Standard Finish: Zinc Plated (Z.P.) and Copper Glo
- Packaging: 100 ft. carton (order unit is "feet") and on reels to fit Campbell merchandisers (order unit is "each")
- **Do not use for overhead lifting**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cartons - Sash Chain (Order Unit is "Feet")

Nominal Dimensions (in. and mm)																	
Trade Size	Stock Thickness in.	Stock Thickness mm	Inside Length in.	Inside Length mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Copper Glo Cat. No.	Copper Glo UPC No. 020418	Solid Bronze Cat. No.	Solid Bronze UPC No. 020418	Working Load Limit Steel lb	Working Load Limit Steel kg	Working Load Limit Bronze lb	Working Load Limit Bronze kg	Feet/ Carton	Lb/ 100'	Links/ ft.
8	.04	1	.55	14	**0890824**	067952	**0890844**	067976	--	--	75	34	68	31	100	4	22
†8	.04	1	.55	14	--	--	**0880844**	067921	--	--	75	34	-	-	100	4	22
25	.04	1	.55	14	**089254**	068034	**0892544**	068058	--	--	94	43	80	36	100	5	22
30	.03	1	.59	15	**0893024**	068119	--	--	**0893074**	068157	81	37	75	34	100	5	20
35	.04	1	.59	15	**0893524**	068201	**0893544**	068225	**0893574**	068249	106	48	100	45	100	6	20
40	.04	1	.59	15	**0894024**	068287	**0894044**	068300	**0894074**	068324	131	59	125	57	100	7	20
45	.05	1	.56	14	**0894524**	068362	--	--	--	--	175	79	163	74	100	9	21
50	.06	2	.65	17	**0895024**	068454	--	--	--	--	225	102	210	95	100	11	21

† This item includes fixtures for 7 double hung sashes. Order unit is box. Weight per box is 5 pounds.
Sizes 30, 35 and 40 are also known as sizes 2, 3 and 4 navy chain.

Cartons - Sash Chain (Order Unit is "Feet")

Nominal Dimensions (in. and mm)											
Trade Size	Stock Thickness in.	Stock Thickness mm	Inside Length in.	Inside Length mm	Type 304 Stainless Steel Cat. No.	Type 304 Stainless Steel UPC No. 020418	Working Load Limit Stainless Steel lb	Working Load Limit Stainless Steel kg	Feet/ Carton	Lb/ 100'	Links/ ft.
8	.04	1	.55	14	**0898014**	068560	75	34	100	4	22
35	.04	1	.59	15	**0895314**	068515	175	79	100	6	20

Size 35 is also known as size 3 navy chain.

Reels - Sash Chain (Order Unit is "Each Reel")

Nominal Dimensions (in. and mm)												
Trade Size	Stock Thickness in.	Stock Thickness mm	Inside Length in.	Inside Length mm	Zinc Plated Cat. No.	Zinc Plated UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Reel Width in.	Links/ ft.
8	.04	1	.55	14	**0890827**	067969	75	34	500	20	5.5	22
25	.04	1	.55	14	**0892527**	068041	94	43	500	25	10.75	22
35	.04	1	.59	15	**0893527**	068218	106	48	500	30	10.75	20
35	.04	1	.59	15	**0723727**	064876	106	48	100	7	3.5	20

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Decorator Chain

No.4

No.10

Reel

- For hanging plants and lamps, drapery tie-backs
- Finishes: brass glo, black, antique brass, white, antique copper, antique silver, brushed nickel
- Available on reels, order unit is “each”

Nominal Dimensions (in. and mm)														
Trade Size	Mat. Dia. in.	Mat. Dia. mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Inside Dimensions Width in.	Inside Dimensions Width mm	Finish	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Feet/ Reel	Lb/ Reel	Reel Width in.
4	.120	3	.58	14.7	.21	5.3	Zinc Plated	**0720428**	178771	70	32	90	10	3.5
4	.120	3	.58	14.7	.21	5.3	Black Polycoated	**0720477**	064623	70	32	90	10	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Brass Glo	**0722000**	190834	35	16	60	10	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Black Polycoated	**0722002**	183218	35	16	40	6.8	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Antique Brass	**0722003**	183225	35	16	40	6.8	3.5
10	.135	3.4	1.21	30.7	.52	13.2	White Polycoated	**0722004**	183232	35	16	40	6.8	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Antique Copper	**0722006**	183249	35	16	40	6.8	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Antique Silver	**0722007**	183256	35	16	40	6.8	3.5
10	.135	3.4	1.21	30.7	.52	13.2	Brushed Nickel	**0722010**	212161	35	16	40	6.8	3.5

Hobby/Craft Decorator Chain - Standard Reel Sizes

No.100 Brass Plated

No.100 Black

Dimpled - Brass Plated

Reel

See chart at top of next page.

⚠ ADVERTENCIA	⚠ WARNING
Para prevenir la posibilidad de una lesión personal sería: • **NO EXCEDA** los límites de carga de las cadenas o componentes. • **NO LA UTILICE** para cargar hacia arriba o para izar. • **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.	To prevent the possibility of serious bodily injury: • **DO NOT EXCEED** the working load limits for chain or components. • **DO NOT USE** for overhead lifting or hoisting. • **DO NOT USE** if the chain or components are visibly distorted or worn.

Hobby/Craft Decorator Chain - Standard Reel Sizes

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
100	.087	2.2	.63	16	.24	6	**0711017**	188251	Brass Plated	197	60	4.5	11.6	5	13	6
100	.087	2.2	.63	16	.24	6	**0711077**	188268	Black	197	60	4.5	11.6	5	13	6
40	.079	2	.71	17	.20	5	**0714017**	188473	Dimpled-Brass Plated	197	60	4.5	10.11	5	12	5
40	.079	2	.71	17	.20	5	**0714077**	188480	Dimpled-Black	197	60	4.5	10.11	5	12	5
40	.079	2	.71	17	.20	5	**0715017**	188497	Dimpled-White	197	60	4.5	10.11	5	12	5
50	.118	3	1.14	29	.33	8.5	**0715017**	188510	Dimpled-Brass Plated	66	20	3.5	7.14	3	20	9
50	.118	3	1.14	29	.33	8.5	**0715067**	212468	Dimpled-Brushed Nickel	66	20	3.5	7.14	3	20	9

Hobby/Craft Cathedral Chain - Standard Size Reels

No.31 Brass Plated

No.31 Black

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
31	.087	2.2	.95	24	.40	10	**0713117**	188374	Brass Plated	98	30	4.5	5.95	2.7	20	9
31	.087	2.2	.95	24	.40	10	**0713177**	188381	Black	98	30	4.5	5.95	2.7	20	9
31	.087	2.2	.95	24	.40	10	**0713187**	188398	White	98	30	4.5	5.95	2.7	20	9
32	.105	2.7	1.57	40	.56	14	**0713217**	188411	Brass Plated	66	20	4.5	5.95	2.7	35	16
32	.105	2.7	1.57	40	.56	14	**0713277**	188428	Black	66	20	4.5	5.95	2.7	35	16

Hobby/Craft Twist Chain - Mini Reels

No.90 Brass Plated

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Inside Dimensions Length in.	Length mm	Width in.	Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
70	.043	1	.14	3.5	.07	1.8	**0717017**	188558	Brass Plated	82	25	3.25	2.10	1	5	2
90	.056	1.4	.21	5.3	.12	3	**0719017**	188572	Brass Plated	82	25	3.25	2.90	1.3	5	2
90	.056	1.4	.21	5.3	.12	3	**0719027**	188589	Nickel Plated	82	25	3.25	2.90	1.3	5	2
200	.079	2	.40	10	.16	4	**0712017**	188282	Brass Plated	49	15	3.25	2.30	1.04	12	5
200	.079	2	.40	10	.16	4	**0712027**	188299	Nickel Plated	49	15	3.25	2.30	1.04	12	5
250	.099	2.5	.33	8	.16	4	**0712517**	188312	Brass Plated	33	10	3.25	2.75	1.24	25	11
250	.099	2.5	.33	8	.16	4	**0712577**	188336	Black	33	10	3.25	2.75	1.24	25	11

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Hobby/Craft Clock Chain - Mini Reels

No.5 Brass Plated

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Inside Dimensions Width in.	Inside Dimensions Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
3	.043	1.1	.31	8	.11	3	**0710317**	188183	Brass Plated	164	50	3.25	1.50	.68	5	2
3	.043	1.1	.31	8	.11	3	**0710327**	188190	Nickel Plated	164	50	3.25	1.50	.68	5	2
5	.051	1.3	.31	8	.11	3	**0710517**	188206	Brass Plated	82	25	3.25	1.10	.5	10	4
7	.063	1.6	.30	7.6	.11	3	**0710717**	188220	Brass Plated	82	25	3.25	1.30	.6	15	7

Sash Chain

No.3 Chrome Plated

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Outside Dimensions Length in.	Outside Dimensions Length mm	Outside Dimensions Width in.	Outside Dimensions Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
2	.016	.4	.58	14.7	.20	5	**0710227**	188176	Chrome Plated	164	50	3.25	1.10	.5	29	13
3	.020	.5	.75	19	.27	7	**0713027**	188367	Chrome Plated	82	25	3.25	1.60	.7	25	11

Ball Chain

No.36 Chrome Plated

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Cat. No.	UPC No. 020418	Finish	Shelf Pack	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
36	.142	3.6	**0713627**	188459	Chrome Plated	--	164	50	3.25	2.60	1.2	11	5
36	.142	3.6	**0713617**	147111	Brass	--	164	50	3.25	2.60	1.2	11	5
36	--	--	**B0713601**	156755	#36 Ball Chain Connector, Chrome Plated	10 Bags+	--	--	--	--	--	--	--
36	--	--	**B0713602**	157943	#36 Ball Chain Connector, Brass	10 Bags+	--	--	--	--	--	--	--

+6/Bag, 10 Bags/Box

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Hobby Chain - Carded

C0712027

C0710517

C0713617

Trade Size	Stock Diameter in.	Stock Diameter mm	Cat. No.	UPC No. 020418	Finish	Shelf Pack	Case Pack	Feet/Card ft.	Feet/Card m	Working Load Limit lb	Working Load Limit kg	Weight /Case lb	Weight /Case kg
200	.079	2	**C0712017**	212543	#200 Twist Chain, Brass Plated	5	25	10	3.05	12	5	17	7.7
200	.079	2	**C0712027**	212536	#200 Twist Chain, Nickel Plated	5	25	10	3.05	12	5	17	7.7
5	.051	1.3	**C0710517**	212505	#36 Ball Chain, Brass Plated	5	25	15	4.57	10	4	13	6
36	.142	3.6	**C0713617**	212529	#36 Ball Chain, Brass Plated with 2 Chain Connectors	5	25	6	1.82	11	5	5	2.3
36	.142	3.6	**C0713627**	212512	#36 Ball Chain, Nickel Plated with 2 Chain Connectors	5	25	6	1.82	11	5	5	2.3

Oval Link Chain

Reels Trade Size	Stock Diameter in.	Stock Diameter mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Inside Dimensions Width in.	Inside Dimensions Width mm	Cat. No.	UPC No. 020418	Finish	Feet/Reel ft.	Feet/Reel m	Reel Width in.	Lb/Reel lb	Lb/Reel kg	Working Load Limit lb	Working Load Limit kg
19	.043	1.1	.20	5	.11	3	**0711917**	188275	Brass Plated	82	25	3.25	1.70	.8	3	1

Plastic Chain

Square Pails

Reel

- Used for creating borders for flower beds, gardens, driveways, etc.
- For decorative non-load bearing use only
- Comes in three colors: white, yellow, or black.
- **Do not use for overhead lifting, towing or pulling.**

Square Pails - Plastic Chain (Order Unit is "Each Pail")

Trade Size	Nominal Dimensions (in. and mm) Material Diameter in.	Material Diameter mm	Inside Dimensions Length in.	Inside Dimensions Length mm	Inside Dimensions Width in.	Inside Dimensions Width mm	Yellow Cat. No.	Yellow UPC No. 020418	White Cat. No.	White UPC No. 020418	Black Cat. No.	Black UPC No. 020418	Feet/Pail	Lb/ Pail
#6	.23	6	1.0	25	.30	8	--	--	**0990646**	185168	--	--	220	16
#8	.29	7	1.50	38	.40	10	**0990836**	185182	**0990846**	185205	**0990856**	185229	138	12

⚠ ADVERTENCIA

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- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Reels - Plastic Chain (Order Unit is "Each Reel")

Trade Size	Nominal Dimensions (in. and mm) Material Diameter* in.	mm	Inside Dimensions Length in.	mm	Width in.	mm	Yellow Cat. No.	UPC No. 020418	White Cat. No.	UPC No. 020418	Black Cat. No.	UPC No. 020418	Feet /Reel	Lb/ Pail	Reel Width in.
#6	.23	6	1.0	25	.30	8	--	--	**0990647**	185175	--	--	100	7	10.75
#8	.30	7	1.50	38	.50	12	**0990837**	185199	**0990847**	185212	**0990857**	185236	60	5	10.75

*Since material is not a perfect circle, this figure represents the smallest surface area.

Cable and Chain - Plastic Clam Shell Packs

5977011

5979600

- Product packaged in clear, see-through plastic clam shells
- Customer can see product first hand
- Convenient hang up hole

Trade Size in.	Description	Cat. No.	UPC No. 020418	Working Load Limit lb	kg	Feet/ Pack	Packs/ Ctn.	Lb./ Ctn.
3/16	Proof Coil/Zinc Plated	**5971230**	185243	800	360	10	6	24
2/0	Passing Link/Zinc Plated	**5973000**	185250	450	204	10	5	17
2/0	Str. Link Coil/Zinc Plated	**5973310**	185274	520	236	10	5	15
#3	Inco/Zinc Plated	**5977502**	185304	90	41	15	9	10
#1	Inco/Zinc Plated	**5977510**	185311	155	70	15	5	9
2/0	Inco	**5977522**	185335	255	116	15	6	16
#12	Single Jack/Zinc Plated	**5978000**	185342	29	13	15	9	12
#10	Decorator Chain/Brass Glo	**5979600**	185403	35	16	10	5	7
#10	Decorator Chain/Black	**5979610**	185410	35	16	10	5	8
#10	Decorator Chain/White	**5979630**	185434	35	16	10	5	8
3/32	Coated Cable	**5977001**	185571	184	83	50	5	10.2
1/8	Coated Cable	**5977011**	185595	340	154	50	5	11.1
3/16	Coated Cable	**5977020**	185601	840	381	25	5	11.6

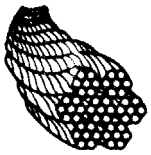
⚠ ADVERTENCIA

- **NO EXCEDA** el límite de carga de trabajo de las cadenas (WLL), cables o componentes.
- **NO UTILIZAR** para levantar objetos o para izar.
- **NO UTILIZAR** si la cadena, cables o los componentes estan visualmente distorsionados o gastados.
- **QUITAR** el revestimiento de plástico en el cable donde esten los accesorios concetados.
- **El USO INADECUADO** puede resultar en lesiones físicas graves o daño a la propiedad.

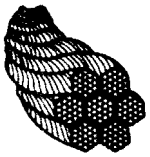
⚠ WARNING

- **DO NOT EXCEED** the working load limits (WLL) for chain, cable or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain, cable or components are visibly worn or distorted.
- **REMOVE** plastic coating from cable where clips, clamps, ferrules or securing hardware are attached.
- **MISUSE** can result in serious bodily injury or property damage.

Cable and Wire Rope



Cross Section
Flexible 7 x 7



Cross Section
Extra Flexible 7 x 19

- Campbell's cable is either 7x7 or extra flexible 7x19 construction as illustrated *
  * 7000197 Green vinyl coated cable is 1x7 Iron Wire construction, which enables bending and shaping of cable
- High strength cable with a galvanized finish; also available in Type 316 Stainless Steel
- Vinyl coated cable is more resistant to abrasion and weathering, and can be cleaned easily
- Campbell's Wire Rope is 6x19 fiber core construction and treated with a rust prohibiting oil

Cat. No.	UPC No. 020418	Size in.	Size mm	Type Const.	Ft. /Reel	Size With Coating in.	Size With Coating mm	Reel Width in.	Lb./ Reel	Working Load Limit lb	Working Load Limit kg
Cable - Uncoated, Galvanized											
7000227	100253	1/16	1	7 x 7	500	-	-	3.5	5	96	44
7000327	100260	3/32	2	7 x 7	500	-	-	3.5	14	185	83
7000427	100284	1/8	3	7 x 7	500	-	-	3.5	16	340	154
7000627	100307	3/16	5	7 x 19	250	-	-	3.5	18	840	381
7000827	100321	1/4	8	7 x 19	250	-	-	5.5	26	1400	635
7000927	189463	5/16	8	7 x 19	200	-	-	5.5	35	1960	889
Cable - Vinyl Coated											
7000397	100277	3/32	2	7 x 7	250	3/16	4.6	3.5	7 3/4	184	83
7000497	100291	1/8	3	7 x 7	250	3/16	4.6	3.5	10	340	154
7000697	100314	3/16	5	7 x 19	250	1/4	6.4	5.5	20 1/2	840	381
7000897	100338	1/4	6	7 x 19	200	5/16	7.9	5.5	27	1400	635
7003397	100345	3/32	2	7 x 7	500	3/16	4.6	5.5	16	184	83
7003497	100352	1/8	3	7 x 7	500	3/16	4.6	5.5	20	340	154
Cable - Coated Green											
7000197	189456	1/16	1	1 x 7	250	1/8	3	3.5	5	28	13
Cable - Stainless Steel											
7000426	193071	1/8	3	7 x 7	250	-	-	3.5	7.2	340	154
7000626	193088	3/16	5	7 x 19	250	-	-	3.5	16	740	336
7000826	193095	1/4	6	7 x 19	250	-	-	3.5	26	1280	580
Wire Rope - Uncoated											
7008027	190902	1/4	6	6 x 19	500	-	-	6	53	1040	472
7008227	190919	5/16	8	6 x 19	500	-	-	6	82	1700	771
7008327	190926	3/8	10	6 x 19	250	-	-	6	118	2400	1089
7008427	190933	1/2	13	6 x 19	250	-	-	6	105	4280	1917

⚠ ADVERTENCIA

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- **NO UTILIZAR** si la cadena, cables o los componentes estan visualmente distorsionados o gastados.
- **QUITAR** el revestimiento de plástico en el cable donde esten los accesorios concetados.
- **El USO INADECUADO** puede resultar en lesiones físicas graves o daño a la propiedad.

⚠ WARNING

- **DO NOT EXCEED** the working load limits (WLL) for chain, cable or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain, cable or components are visibly worn or distorted.
- **REMOVE** plastic coating from cable where clips, clamps, ferrules or securing hardware are attached.
- **MISUSE** can result in serious bodily injury or property damage.

Construction Chain

- Uses: General-purpose chain primarily used in telecommunications industry for tying, binding and pulling; outside the plant
- Standard Material: BBB chain
- Standard Finish: Self Colored (S.C.)
- Packaging: Order unit is “each”
- **Do not use for overhead lifting**

Cat. No.	UPC No. 020418	Size in.	x	ft.	mm	x	m	Weight Each lb	kg	Working Load Limit lb	kg
0213505	178405	5/16	x	4 1/3	8	x	1.3	14	6	1700	771

Binder Chains

- A complete line of tie down chains
- All chains listed may be used in accordance with the latest D.O.T. regulations
- You may choose either System 4 chain with a Bright finish, or yellow chromated zinc electroplated System 7 chain with higher load-to-weight ratios
- All binders have a forged heat treated clevis grab hook on each end
- **Do not use for overhead lifting**

System 4 - Binder Chains

Size in.	x	ft	mm	x	m	With Clevis Grab Hooks Cat. No.	UPC No. 020418	Std. Pkg.	Weight Each		Working Load Limit m	kg
5/16	x	20	8	x	6.1	**0226615**	059995	25	21	9	3900	1770
5/16	x	25	8	x	7.6	**0226625**	060007	25	26	12	3900	1770
3/8	x	12	10	x	3.7	**0222525**	174339	25	22	10	5400	2450
3/8	x	14	10	x	4.3	**0222625**	174353	25	25	11	5400	2450
3/8	x	16	10	x	4.9	**0222725**	174377	20	28	13	5400	2450
3/8	x	20	10	x	6.1	**0222925**	174414	20	34	15	5400	2450
3/8	x	25	10	x	7.6	**0223025**	174438	20	40	18	5400	2450

System 4 - Binder Chains, Packed 1 per Bag

Size in.	x	ft	mm	x	m	With Clevis Grab Hooks Cat. No.	UPC No. 020418	Std. Pkg.	Weight Each		Working Load Limit m	kg
3/8	x	16	10	x	4.9	**T0222725**	163067	1/Bag	28	13	5400	2450

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

System 7 - Binder Chains

Size in.	x	ft	mm	x	m	With Clevis Grab Hooks Cat. No.	UPC No. 020418	Std. Pkg.	Weight Each lb	kg	Working Load Limit lb	kg
5/16	x	14	8	x	4.3	**0513571**	174162	25	17	8	4700	2130
5/16	x	16	8	x	4.9	**0513572**	174179	25	19	9	4700	2130
5/16	x	20	8	x	6.1	**0513574**	174193	25	23	10	4700	2130
5/16	x	25	8	x	7.6	**0513575**	174209	25	28	13	4700	2130
3/8	x	14	10	x	4.3	**0513658**	064128	25	25	11	6600	2990
3/8	x	16	10	x	4.9	**0513660**	064135	25	28	13	6600	2990
3/8	x	20	10	x	6.1	**0513665**	064159	20	34	15	6600	2990
3/8	x	25	10	x	7.6	**0513667**	064166	20	41	19	6600	2990
1/2	x	20	13	x	6.1	**0513765**	178788	10	54	25	11,300	5130

Log Chains

- Made from System 3 chain with grab hook one end, slip hook other end
- Self Colored finish
- Packed one 14 ft. length in a bag; 2 bags per box
- Order unit is “each”

Trade Size in.	mm	Mat. Size in.	mm	Cat. No.	UPC No. 020418	Pounds Each	Working Load Limit lb	kg
5/16	8	.32	8	**1005405**	068584	16	1900	860
3/8	10	.39	10	**1005505**	068591	23	2650	1200

Tow Cable

- Product packaged in clear, see-through plastic clam shells
- Eye Slip Hooks swaged on each end
- Used for towing, logging
- Galvanized cable

Cat. No.	UPC No. 020418	Size in. x	ft.	mm x	m	Description	Shelf Pack Qty.	Pkg. Wgt. lb	Working Load Limit lb	kg
5977920	205453	5/16	20	8	6	Cable with Slip Hooks at Each End	3	16	1960	890

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Tow Chains

- Campbell tow chains are available in System 4, or System 7
- All have forged clevis hooks
- Tow chains are subject to shock loading and must be inspected frequently
- They must be taken out of service when damaged
- Select the right chain for the job according to the working load limits
- Order unit is "each"
- **Do not use for overhead lifting**

Cat. No.	UPC No. 020418	Size in. x	ft.	mm x	m	Description	Standard Finish	Packaging	Lb. Each	Working Load Limit lb	kg
System 7 Tow Chains											
0513578	175794	5/16	20	8	6.1	System 7 chain, clevis hooks	Yellow Chromate	1/Bag	24	4700	2130
High Test Tow Chains											
0231912	187681	5/16	12	8	3.6	System 4 chain, clevis hooks	High Visibility Orange	1/Bag	14	3900	1769
0231916	188756	5/16	16	8	4.9	System 4 chain, clevis hooks	High Visibility Orange	1/Bag	18	3900	1769

Winch Line Chains

- Made from Alloy chain and used with wire rope when wrapping is required to lift, pull or skid
- Special hook is designed to minimize fraying of wire rope to which it is attached
- Proof tested
- Order unit is "each"

Trade Size in.	mm	Cat. No.	UPC No. 020418	Alloy Cat. No.	Alloy UPC No. 020418	Length Minus Hook in.	Pounds Each	Working Load Limit Alloy lb	kg
¾	20	--	--	**2011295**	068706	18	12	23,000	10,500
⅞	22	--	--	**2011495**	068713	24	24	34,200	15,500
1	26	--	--	**2011695**	068720	24	27	38,700	17,600

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Pet Tie-Outs

- Product packaged in clear, see-through plastic clam shells
- One chain or cable per clam shell
- Tie-out cables are red vinyl coated over galvanized cable

75’ Tie-Out Kit includes:
2 screw hooks, 1 tension spring, 1 pulley, 2 pulley stops, 1 thimble and 2 wire rope clips, 10’ dog tie-out cable w/swivel bolt snaps

3129907 5970820 5970875

Cat. No.	UPC No. 020418	Description	Chain/Cable Size	Length ft.	Length m	Shelf Pack Qty.	Weight/ Shelf Pack lb	Working Load Limit lb	Working Load Limit kg
3129907	211690	Large Dog Chain Tie-out w/Swivel Snaps	2/0	15	4.6	3	16	520	236
5970820	205378	20’ Cable Pet Tie-out w/Swivel Snaps	1/8”	20	6.0	3	4.2	150	68
5970875	205385	75’ Cable Tie-out Kit	1/8”	75	23	3	14.8	150	68

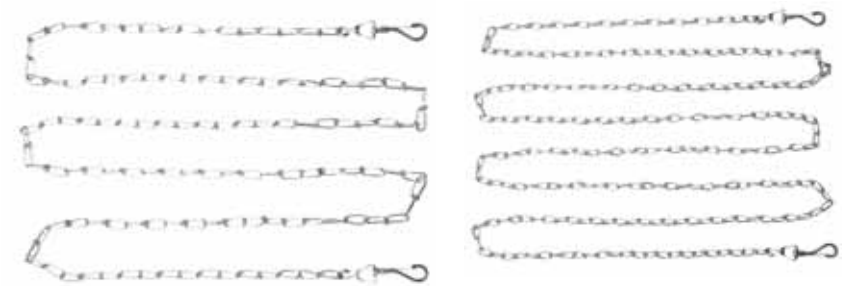
⚠ADVERTENCIA

- **NO EXCEDA** el límite de carga de trabajo de las cadenas (WLL), cables o componentes.
- **NO UTILIZAR** para levantar objetos o para izar.
- **NO UTILIZAR** si la cadena, cables o los componentes estan visualmente distorsionados o gastados.
- **NO UTILIZAR** este producto con un collar que pueda sofocar.
- **QUITAR** el revestimiento de plástico en el cable donde esten los accesorios concetados.
- Inspeccionar simpre antes de usar. Ajustar si es necesario. Periódicamente, rebisar y ajustar el cierre. Reemplazar la unidad en caso de que alguna de las partes este desgastada.
- Nunca ate sa u perro cerca de algún lugar donde pueda quedar suspendido en el aire. Simpre asegures de que tiene suficiente agua y sombra.
- Asegurese de que el cable no esta enrollado en sus piernas o brazos cuando se lo ponga a su perro.
- Para prevenir que su perro pueda herirse, no lo deje desatendido cuando este atado.
- No todos los perros puede ser amarrados de forma segura. Su supervisión es necesaria.

⚠WARNING

- **DO NOT EXCEED** the working load limits (WLL) for chain, cable or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain, cable or components are visibly worn or distorted.
- **DO NOT USE** this product with a choker type collar.
- **REMOVE** plastic coating from cable where clips, clamps, ferrules or securing hardware are attached.
- Inspect the Dog Run before every use for wear and proper operation. Adjust hardware as necessary. Periodically check and retighten clamp nuts. Replace entire unit if any parts are worn.
- Never tie your dog near any object that can cause the dog to become suspended or entangled. Always provide sufficient shade and water.
- Keep your arms and legs clear of the cable when connecting your dog to the cable in case the dog lunges.
- To avoid injuring your dog, maintain constant observation while your dog is tied.
- Not all dogs can be safely tied out. Your supervision and good judgement are required.

Dog Runner and Kennel Chains

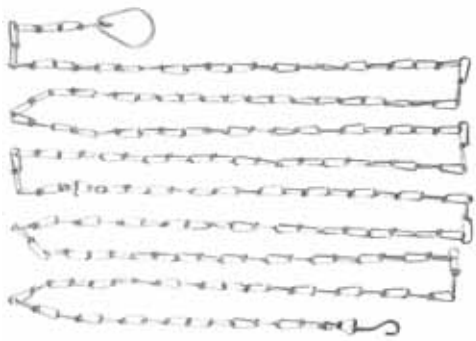


- Inco chain with Zinc finish and swivel snaps each end
- One chain per clam shell pack

3129504

Cat. No.	UPC No. 020418	Chain Size	Chain Length ft.	Chain Length m	Wt. per 100 Pieces lb	Wt. per 100 Pieces kg	Shelf Pack Clam Shells Per Box	Working Load Limit lb	Working Load Limit kg
3129504	171055	No. 2	15	4.57	125	57	5	80	36
3129507	171079	No. 2/0	15	4.57	250	114	6	120	54

Tie-Out Chains



- Inco chain with ring and swivel snaps on opposite ends, swivel in center
- One chain per clam shell pack

3209507

Cat. No.	UPC No. 020418	Chain Size	Chain Length ft.	Chain Length m	Wt. per 100 Pieces lb	Wt. per 100 Pieces kg	Shelf Pack Clam Shells Per Box	Working Load Limit lb	Working Load Limit kg
3209507	171109	No. 2/0	20	6.09	325	148	3	120	54

⚠ ADVERTENCIA

- **NO EXCEDA** el límite de carga de trabajo de las cadenas (WLL), cables o componentes.
- **NO UTILIZAR** para levantar objetos o para izar.
- **NO UTILIZAR** si la cadena, cables o los componentes estan visualmente distorsionados o gastados.
- **NO UTILIZAR** este producto con un collar que pueda sofocar.
- **QUITAR** el revestimiento de plástico en el cable donde esten los accesorios concetados.
- Inspeccionar simpre antes de usar. Ajustar si es necesario. Periódicamente, rebisar y ajustar el cierre. Reemplazar la unidad en caso de que alguna de las partes este desgastada.
- Nunca ate sa u perro cerca de algún lugar donde pueda quedar suspendido en el aire. Simpre asegures de que tiene suficiente agua y sombra.
- Asegurese de que el cable no esta enrollado en sus piernas o brazos cuando se lo ponga a su perro.
- Para prevenir que su perro pueda herirse, no lo deje desatendido cuando este atado.
- No todos los perros puede ser amarrados de forma segura. Su supervisión es necesaria.

⚠ WARNING

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- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain, cable or components are visibly worn or distorted.
- **DO NOT USE** this product with a choker type collar.
- **REMOVE** plastic coating from cable where clips, clamps, ferrules or securing hardware are attached.
- Inspect the Dog Run before every use for wear and proper operation. Adjust hardware as necessary. Periodically check and retighten clamp nuts. Replace entire unit if any parts are worn.
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- Not all dogs can be safely tied out. Your supervision and good judgement are required.

Porch Swing Chain Assembly with Hooks

Porch Swing Chain Set
- For securing porch swings to porch ceilings
- One pair per clam shell pack

Cat. No.	UPC No. 020418	Wt. per Shelf Pack lb	Wt. per Shelf Pack kg	Shelf Pack	Working Load Limit lb	Working Load Limit kg
0702024	064562	6.75	3.1	5	500*	227*

*The WLL is 500lb / 227kg per pair

Chain and Cable Cutters

Cat. No.	UPC No. 020418	Description	Capacity	Weight Ea. lb	Weight Ea. kg
7508495	135477	Hydraulic Chain Cutter	3/8" High Test	33	14
7508595	178320	Hydraulic Chain Cutter #80	3/8" Alloy 1/2" High Test	38	14
M7508795	208799	Cam-action Weldless Chain Cutter	All Weldless	5	2
7509195	135507	Ratchet Welded Chain Cutter	3/8" Proof Coil	9	4
M7508494	208294	Hydraulic Cutter Guard Kit	--	1	.4

Cat. No.	UPC No. 037103	Description	Capacity	Weight Ea. lb	Weight Ea. kg
0690TN	911315	Cable Cutter	1/4" Cable	1	.5

M7508795

7509195

0690TN

7508495
7508595

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
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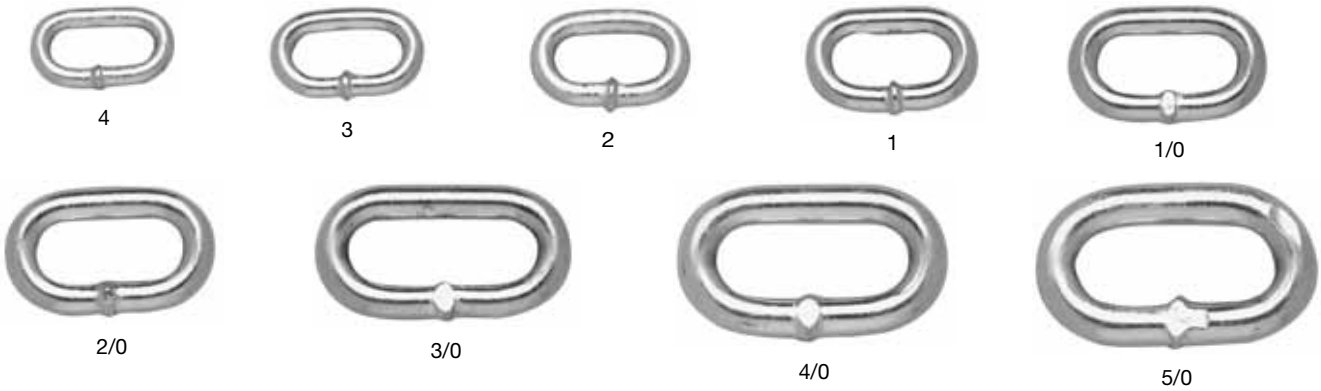
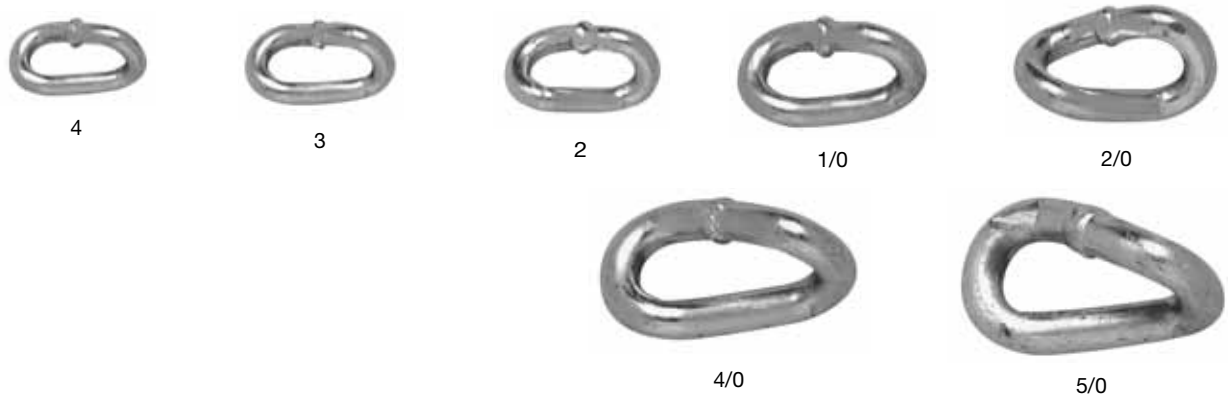
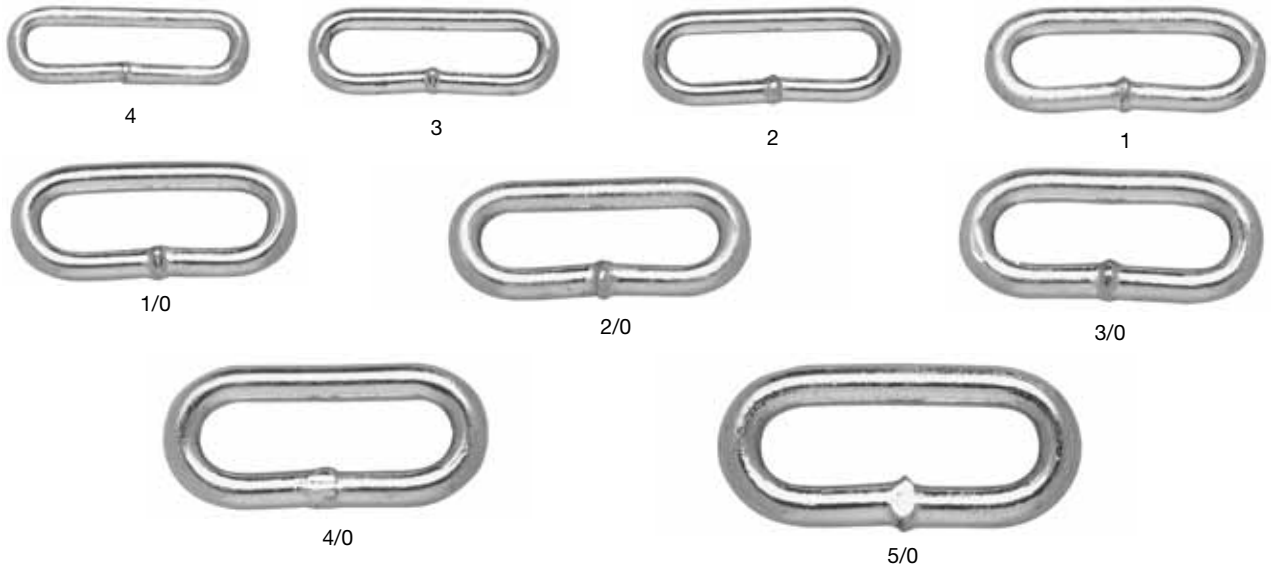
Straight Link Machine Chain–Product Shown Actual Size



Twist Link Machine Chain-Product Shown Actual Size



Straight Link Coil Chain-Product Shown Actual Size



⚠ ADVERTENCIA	⚠ WARNING
Para prevenir la posibilidad de una lesión personal sería: • **NO EXCEDA** los límites de carga de las cadenas o componentes. • **NO LA UTILICE** para cargar hacia arriba o para izar. • **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.	To prevent the possibility of serious bodily injury: • **DO NOT EXCEED** the working load limits for chain or components. • **DO NOT USE** for overhead lifting or hoisting. • **DO NOT USE** if the chain or components are visibly distorted or worn.

Twist Link Coil Chain-Product Shown Actual Size

3

Passing Link Chain-Product Shown Actual Size

2/0

4/0

Lock Link, Single Loop Chain-Product Shown Actual Size

2

1/0

2/0

3/0

4/0

5/0

Inco, Double Loop Chain-Product Shown Actual Size

4

3

2

1

1/0

2/0

4/0

8/0

⚠ ADVERTENCIA	⚠ WARNING
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Jack Chain-Product Shown Actual Size

18

16

14

12

10

8

Sash Chain-Product Shown Actual Size

8

25

30

35

40

45

50

Front View

⚠ ADVERTENCIA	⚠ WARNING
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AW0811417	30
AW0811617	30
B0713601	34
B0713602	34
C0710517	35
C0712017	35
C0712027	35
C0713617	35
C0713627	35
HV0142526	7
HV0184526	11
M7508494	43
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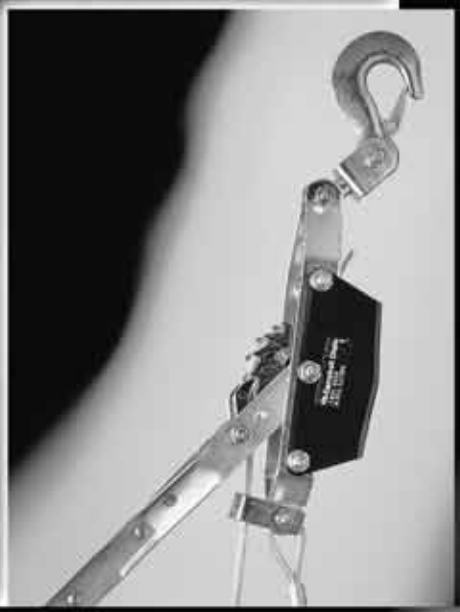
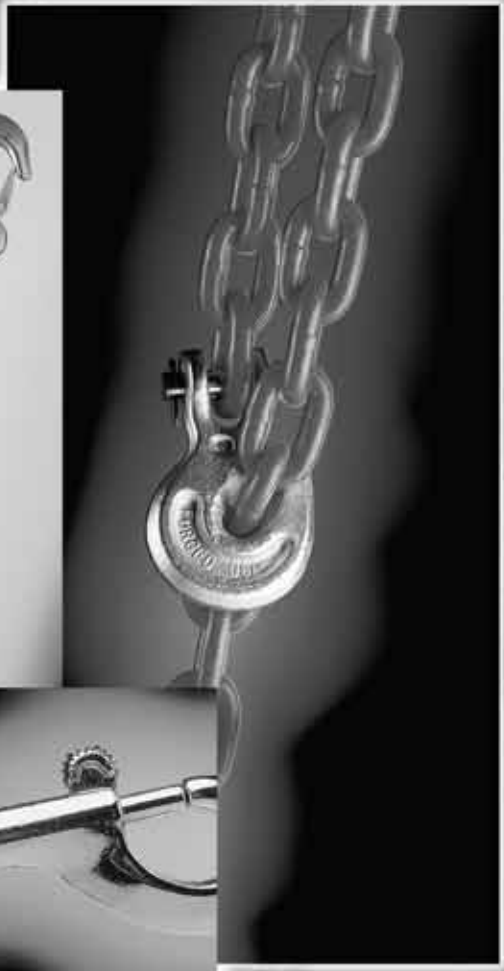
Campbell®

CHAIN ACCESSORIES





Campbell® Accessories Table of Contents

Campbell began manufacturing harness hardware of malleable iron in 1873. Over the years, Campbell has added an extensive line of snaps made from malleable iron, steel, zinc, bronze, stainless steel, and aluminum. Campbell also offers a broad line of accessories to complement our chain and cable products, as well as products for use on synthetic webbing and rope.

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

Warnings, Cautions, Inspection and Proper Use of Accessories

Certain precautions and standards of treatment should be observed when using Campbell accessories. Proper care will extend the useful life of the product.

SNAPS,PULLEYS, QUICK AND SPRING LINKS, RINGS AND SWIVELS

Campbell offers a full line of snap products made from a variety of materials to meet the needs of many applications. These products are designed and intended for light duty applications.

Typical and appropriate uses would include pet leashes, ancillary saddlery and tack, hanging plants, flagpoles, tarp covers, key rings, gate closures, luggage and shoulder bag straps. Snaps are not to be used for overhead lifting, to support human weight, for playground or athletic equipment, or as safety devices.

WARNINGS AND CAUTIONS:

- The use of accessories is subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense.
- Do not exceed the working load limit of the accessory.
- Chemically active environments may adversely affect accessories. Do not use in highly acidic or caustic environments. Campbell should be contacted if the accessory will be exposed to chemically active environments during use.
- High and low temperatures will affect accessories. Campbell should be contacted if temperatures below -20°F (-29°C) or above 200°F (93°C) will be experienced.
- Accessories, such as load binders, used in certain applications are subject to governmental regulations. Please follow all Federal, State and/or Local Department of Transportation, OSHA, or other applicable standards and regulations when using Campbell products.
- Never field weld or repair accessories.
- See other specific information under the “Inspection” and “Proper Use” sections.

INSPECTION

Regular inspections should be conducted on accessories to detect damage or deterioration from use. The accessory should be inspected for any of the below conditions. If present, the accessory should immediately be removed from service.

- Cracks.
- Excessive nicks or gouges.
- Excessive wear. The accessory should be removed from service if any dimension is worn more than 10% from the original dimension.
- Stretched, bent, twisted, or distorted parts.
- Excessive corrosion.
- Evidence of heat damage.
- Evidence of field welding.
- Any other condition which questions the integrity of the accessory.

PROPER USE

To protect the users and to prevent damage to the accessories, the following safe practices should be followed:

- Select the accessory suitable for the application and environment.
- Avoid shock loading.
- Avoid bending over sharp edges or corners.
- Avoid twisting.
- Follow the assembly instructions and cautions and warning on the product packaging.

Purchasers please note that all “Warnings and Cautions” apply to accessories as well as all chain, components and fittings. Purchasers are responsible for conveying the “Warnings and Cautions” including the “Inspection” and “Proper Use” section information to the end user.

Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product.

Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales Representative or Customer Service.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are continually improving the quality and design of our products, they can change without notice.

The dimensions and weights are approximate nominal values, and some variation will occur. If specific dimensional requirements are necessary for the application, please contact your Apex Tool Group Sales Representative or Customer Service.

Load Binders

6203603, 6203205, 6203604, 6203605

Lever Type

6207504, 6207805, 6207803

Ratchet Type

- **Uses:** To tighten chain, typically for cargo securement. Meets U.S. D.O.T. 393.100 - 393.102 requirements for use with chain

Lever Type: Allows for quicker application of load

Ratchet Type: Allows for easier adjustment of tension and greater range of take-up

Cat. No.	UPC No. 020418	For Chain Size & Type in.	mm	System	Description	Packaging	Take-Up in.	mm	Lb Each	Working Load Limit lb	kg
6203205	178658	¼	7	Sys. 3 & 4	Doub. Swivel Lever, Red, Imported	4/ctn.	2¾	70	3	**2600**	**1179**
6203603	086441	5/16 ⅜	8 10	Sys. 7 Sys. 4	Doub. Swivel Lever, Red, Domestic	4/ctn.	4½	114	8½	**5400**	**2450**
6203604	087162	5/16 ⅜	8 10	Sys. 7 Sys. 4	Doub. Swivel Lever, Red, Imported	4/ctn.	4½	114	8½	**5400**	**2450**
6203605	190247	⅜ ½	10 13	Sys. 7 Sys. 4	Lever Load Binder, Domestic	Bulk	4½	114	8½	**9200**	**4170**
6207504	086472	5/16 ⅜	8 10	Sys. 7 Sys. 4	Ratchet, Red Imported	Bulk	8	203	9½	**5400**	**2450**
6207803	189425	⅜ ½	10 13	Sys. 7 Sys. 4	Ratchet, Imported	Bulk	8	203	10	**9200**	**4170**
6207805	086489	⅜ ½	10 13	Sys. 7 Sys. 4	Ratchet, Red Domestic	Bulk	8	203	10	**9200**	**4170**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Repair and Lap Links

- Uses: Connections for chain and attachments. Chain is inserted, then link is hammered closed
- Standard Material: Low carbon steel
- Standard Finish: Zinc plate
- Packaging: Order unit is “each” or “bag”; all bags are packaged 10 per box
- **Do not use for overhead lifting**

Trade Size		Zinc Plate Boxed		Bagged		Tagged		Packaging			Weight Per 100		Working Load Limit	
in. x in.	mm x mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat.No.	UPC No. 020418	Per Box	Per Bag	Shelf Pk Tagged	lb	kg	lb	kg
1/8 x 3/4	3 x 19	-	-	-	-	**T5950024**	192807	-	-	10	1 1/8	1	**125**	**56**
3/16 x 1	5 x 26	**5800124**	081057	**B5950124**	156540	**T5950124**	192623	100	6	10	3 1/4	1	**240**	**109**
1/4 x 1 1/4	6 x 32	**5800324**	081163	**B5950324**	156557	**T5950324**	192593	50	4	10	6 3/4	3	**400**	**181**
1/4 x 2	6 x 51	**5800624**	081286	-	-	-	-	50	-	-	9 3/4	4	**400**	**181**
5/16 x 1 1/2	8 x 38	**5800724**	081330	**B5950724**	156571	**T5950724**	192609	50	2	10	13	6	**700**	**314**
3/8 x 1 5/8	9 x 41	**5800924**	081422	**B5950924**	156588	**T5950924**	192616	50	2	10	23	10	**1250**	**567**
3/8 x 2	9 x 51	**5801024**	081484	-	-	-	-	50	-	-	26	12	**1250**	**567**
1/2 x 2 1/2	13 x 64	**5801124**	081521	-	-	-	-	25	-	-	53	24	**2125**	**964**
† 5/8 x 2 1/2	16 x 64	**5801214***	081545	-	-	-	-	25	-	-	81	27	**1000**	**454**

† Side open. *Bright Finish

Cold Shuts

- Uses: Connections for chain and attachments. When using cold shuts with chain, use one size larger than chain size. With a hammer, drive the open end through the cold shut eye, and peen the extended end to prevent opening
- Standard Material: Mild steel
- Standard Finish: Blu-Krome (B.K.)
- Packaging: Order unit is “each”
- Note: Cold shuts should not be reused after closure has been made
- **Do not use for overhead lifting**

Trade Size		Blu-Krome Cat. No.	UPC No. 020418	Inside Length Closed		Inside Width Closed		Packed	Weight per 100		Working Load Limit	
in.	mm			in.	mm	in.	mm		lb	kg	lb	kg
3/16	5	**T4900324**	180118	15/16	24	11/32	9	10/Box	3	1	**400**	**180**
1/4	7	**T4900424**	180125	1 3/16	30	3/8	10	10/Box	6	3	**800**	**365**
5/16	8	**T4900524**	201448	1 3/8	35	7/16	11	10/Box	10	5	**1300**	**580**
3/8	10	**T4900624**	201455	1 1/2	38	5/8	16	10/Box	18	8	**1900**	**860**
1/2	13	**T4900824**	201462	1 7/8	48	3/4	19	10/Box	38	17	**3700**	**1680**

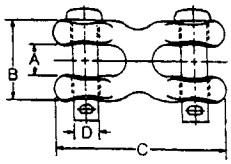
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Double Clevises



- Forged steel
- For use with Proof Coil or High Test chain
- Standard Finish: Galvanized to ASTM A-153 specifications or Zinc plate finish
- Order unit is “each”

For Chain Size				Zinc Plate, Bulk		Galvanized, Bulk		Dimensions													
				Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	A		B		C		D		Pieces Per Box	Weight Per Box		Working Load Limit	
in.	mm x	in.	mm					in.	mm	in.	mm	in.	mm	in.	mm		lb	kg	lb	kg
1/4	7	5/16	8	**T5423300**	191534	**3643300**	175978	7/16	11	1 1/16	27	2 1/2	64	3/8	10	10	3	2	**3900**	**1769**
3/8	10	-	-	**T5423301**	191541	**3643301**	175985	1/2	13	1 5/16	33	2 27/32	72	7/16	11	10	6	3	**5400**	**2449**
7/16	10	1/2	13	**T5423302**	204869	**3643302**	175992	5/8	16	1 5/8	41	3 5/8	92	9/16	14	5	6	3	**9200**	**4173**

Hitch Pins

- Drop forged and zinc plate with yellow chromate, and with clips
- Order unit is “each”

Size						Cat. No.	UPC No. 020418	Packed	Weight	
in.	x	in.	mm	x	mm				lb	kg
5/8	x	4	16	x	102	**T3899720**	210952	4 /Box	0.6	0.3
5/8	x	6	16	x	152	**T3899752**	210990	4 /Box	0.8	0.4
3/4	x	4 1/4	19	x	108	**T3899728**	210969	4 /Box	1.0	0.5
3/4	x	6 1/4	19	x	159	**T3899760**	211003	4 /Box	1.1	0.5
7/8	x	4 1/4	22	x	108	**T3899736**	210976	2 /Box	1.2	0.7
7/8	x	6 1/2	22	x	165	**T3899768**	211010	2 /Box	1.5	0.7
1	x	4 3/4	26	x	120	**T3899744**	210983	2 /Box	1.6	0.7
1	x	6 3/4	26	x	171	**T3899776**	211027	2 /Box	2.1	1.0

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Twisted and Straight Clevises

- Forged steel
- Order unit is “each”

Cat. No.	UPC No. 020418	Body Dia. in.	Body Dia. mm	Pin Dia. in.	Pin Dia. mm	Description	Working load Limit lb	Working load Limit kg	Weight lb	Weight kg	Standard Packaging
T3899913	211768	7/8	22	3/4	19	Twisted Clevis, Short Body	16000	7258	3	1	3
T3899910	211775	7/8	22	3/4	19	Straight Clevis, Short Body	16000	7258	3	1	5
T3899919	211782	7/8	22	3/4	19	Twisted Clevis, Long Body	16000	7258	4	2	2
T3899916	211799	7/8	22	3/4	19	Straight Clevis, Long Body	16000	7258	4	2	2

Welded Rings

- Made of low carbon material for general chain attachment
- May also be used with cable or rope
- Order unit is “each”
- **Do not use for overhead lifting**

Wire Size in.	Wire Size mm	Inside Dia. in.	Inside Dia. mm	Bright Cat. No.	Bright UPC No. 020418	Blu-Krome Cat. No.	Blu-Krome UPC No. 020418	Pieces Per Carton	Weight Per 100 lb	Weight Per 100 kg	Working Load Limit lb	Working Load Limit kg
3/16	5	1 1/4	32	**6050314**	083518	**6050324**	083532	25	3	1	**200**	**91**
3/16	5	2	51	**6052314**	083860	--	--	25	5	2	**150**	**68**
1/4	7	1 1/2	38	**6050414**	083556	**6050424**	083570	25	8	4	**450**	**204**
1/4	7	2 1/8	51	**6052414**	083914	--	--	25	10	5	**350**	**159**
5/16	8	2	51	**6050514**	083600	--	--	25	16	7	**600**	**272**
3/8	10	2	51	**6050614**	083655	**6050624**	083679	25	23	11	**900**	**408**
3/8	10	3	75	**6053614**	084164	--	--	25	33	15	**700**	**318**
3/8	10	4	102	**6054614**	084393	--	--	25	43	19	**420**	**188**
1/2	13	2 1/2	64	**6052814**	084027	--	--	10	60	27	**1400**	**635**
1/2	13	3	75	**6053814**	084270	**6053824**	084294	10	78	35	**1300**	**590**
5/8	16	4	102	**6051014**	083747	--	--	10	145	66	**1700**	**771**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Seven Seas Welded Rings

- Made of low carbon steel
- Order unit is “pound”
- For dredge nets
- **Do not use for overhead lifting**

Wire Size in.	Wire Size mm	Inside Dia. in.	Inside Dia. mm	Bright Cat. No.	UPC No. 020418	Pounds Per Pail	Weight Per 100 Pieces lb	Weight Per 100 Pieces kg	Working Load Limit lb	Working Load Limit kg
1/4	7	2 1/8	51	**6052418**	083938	50	10	5	**350**	**159**
3/8	10	4	102	**6054618**	177064	50	44	20	**420**	**188**
**7/16	11	3 1/2	89	**6055888**	184512	50	53	24	--	--

** Case Hardened

Seven Seas Net Links

- Shaped to facilitate uniform closing
- Links are heat treated to develop the hardness and strength required for deep sea scallop dredging
- Order unit is “pound”

Trade Size No.	Description	Wire Size in.	Wire Size mm	Inside Length in.	Inside Length mm	Cat. No.	UPC No 020418	Weight Per 1000 Pcs. lb	Weight Per 1000 Pcs. kg
719	#719 Net link, Heat Treated	3/8	10	1 1/8	29	**6010898**	083440	129	58
719-S	#719 Short Net link, Heat Treated	3/8	10	1	25	**6011898**	189418	100	45

Open Eye Swivels

Proper closure

- Used to couple weldless chain, prevents tangling
- Eyes easily closed with hammer
- Zinc plated finish
- Order unit is “each”

Size Number	Cat. No.	UPC No. 020418	For Inco Chain Size	Weight Per 100 Pieces lb	Weight Per 100 Pieces kg	Working Load Limit lb	Working Load Limit kg
1020	**T5901024**	192852	1/0 & 2/0	4.50	2	100	45

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

"S" Hooks

See reference section page 78, for actual sizes.

- Uses: For attaching accessories to chain. After engaging chain, close the "S" hook as shown to prevent disengagement
- Standard Material: Low carbon steel
- Standard Finish: Bright (BRT), Blu-Krome (B.K.)
- Packaging: Packaged 50 per carton or 6 per bag (except #120, 2 per bag) (10 bags per carton). Order unit is "each" or "box"
- **Do not use for overhead lifting**

Proper closure

No. 60

Trade Size	Wire Size in.	Wire Size mm	Inside in.	Inside mm	Bright Boxed Cat. No.	Bright Boxed UPC No. 020418	Blu-Krome Boxed Cat. No.	Blu-Krome Boxed UPC No. 020418	Blu-Krome Bagged Cat. No.	Blu-Krome Bagged UPC No. 020418	Weight Per 100 Pieces lb	Weight Per 100 Pieces kg	Working Load Limit lb	Working Load Limit kg
20	.080	2.03	27/32	21	-	-	**6102024**	084836	**B5952024**	212178	5/16	.1	**16**	**7**
21	.080	2.03	11/16	17	-	-	**6102124**	084874	-	-	1/4	.1	**16**	**7**
40	.134	3.40	1	26	-	-	**6104024**	084911	**B5954024**	154843	1	.5	**42**	**19**
60	.187	4.74	1 13/16	46	-	-	**6106024**	084980	**B5956024**	154850	3 1/2	2	**35**	**16**
61	.204	5.18	1 5/8	41	-	-	**6106124**	085048	-	-	3 7/8	2	**120**	**54**
62	.175	4.44	1 3/8	35	-	-	**6106224**	085086	-	-	2 1/2	1	**60**	**27**
70	.219	5.56	1 13/16	46	**6107014**	085130	-	-	-	-	5	2	**100**	**45**
72	.225	5.71	1 1/2	38	-	-	**6107224**	085215	-	-	4 3/4	2	**100**	**45**
80	.250	6.35	1 13/32	45	-	-	**6108024**	085284	**B5955024**	156663	6 1/2	3	**120**	**54**
81	.250	6.35	2 1/2	64	**6108114**	085338	-	-	-	-	8	4	**150**	**68**
84	.250	6.35	1 25/32	45	-	-	**6108424**	085444	-	-	6 1/4	3	**100**	**45**
100	.312	7.92	2 1/4	57	-	-	**6101024**	084737	-	-	11 3/4	5	**290**	**132**
120	.375	9.52	2 3/8	60	-	-	**6101224**	084782	**B5959024**	156670	19 1/2	9	**410**	**186**

Swag Hooks

- Uses: For hanging lights and plants
- Two hooks, two wood screws and two toggle bolts per bag
- Bags: 10 per box; order unit is "bag"

Finish	Bag Cat. No.	Bag UPC No. 020418	Weight Per Box lb	Weight Per Box kg	Working Load Limit lb	Working Load Limit kg
White	**B5951550**	158841	3	1	**60**	**27**
Brass	**B5951560**	158865	3	1	**60**	**27**
Antique Brass	**B5951570**	158872	3	1	**60**	**27**
Black	**B5951590**	158896	3	1	**60**	**27**

⚠ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Malleable Iron and Steel Snaps

125

161-163

200

203

222

225

226

230-250

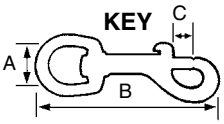


Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
125	5/8	16	Rigid, Round Eye, Bolt Snap	Zinc	5/8	16	5	127	11/32	9	**T7600311**	191558	10	100	14	6.4	**70**	**32**
161	3 1/2	89	Double Ended, Bolt Snap	Zinc	-	-	3 1/2	89	9/32	7	**T7605501**	201028	10	100	10	4.5	**70**	**32**
162	4 1/8	105	Double Ended, Bolt Snap	Zinc	-	-	4 1/8	105	13/32	10	**T7605511**	191671	10	100	14	6.4	**70**	**32**
163	4 3/4	121	Double Ended, Bolt Snap	Zinc	-	-	4 3/4	121	3/8	10	**T7605521**	191688	10	100	18	8.2	**110**	**50**
200	3/4	19	Rigid, Strap Eye, Spring Snap	Zinc	3/4	19	3	76	3/8	10	**T7600511**	201004	10	100	8	3.6	**80**	**36**
200	1	25	Rigid, Strap Eye, Spring Snap	Zinc	1	25	3 1/4	83	7/16	11	**T7600531**	201011	10	100	10	4.5	**90**	**41**
200	1 1/2	38	Rigid, Strap Eye, Spring Snap	Zinc	1 1/2	38	3 13/16	97	1/2	13	**T7600561**	192821	10	100	17	7.7	**80**	**36**
203	1/2	13	Rigid, Open Eye, Spring Snap	Zinc	1/2	13	3	76	5/16	8	**T7600801**	204531	10	100	6.6	3	**20**	**9**
222	3/4	19	Swiveling, Round Eye, Spring Snap	Zinc	3/4	19	3 3/4	95	7/16	11	**T7605701**	192814	10	100	12	5.4	**70**	**32**
225	1/2	13	Swiveling, Round Eye, Bolt Snap	Zinc	1/2	13	4	102	3/8	10	**T7601201**	191565	10	100	13	5.9	**110**	**50**
225	5/8	16	Swiveling, Round Eye, Bolt Snap	Zinc	5/8	16	4	102	3/8	10	**T7605801**	191695	10	100	14	6.4	**110**	**50**
225	3/4	19	Swiveling, Round Eye, Bolt Snap	Zinc	3/4	19	4 1/4	108	3/8	10	**T7605811**	191701	10	100	15	6.8	**100**	**45**
225	1	25	Swiveling, Round Eye, Bolt Snap	Zinc	1	25	4 5/8	117	15/32	12	**T7605821**	191718	10	100	20	9.1	**100**	**45**
226	1	25	Swiveling, Open Eye, Bolt Snap	Zinc	1	25	4 3/4	121	15/32	12	**T7601311**	191572	10	100	24	10.9	**30**	**14**
230	3/8	10	Rigid, Open Eye, Bolt Snap	Zinc	3/8	10	3 3/8	86	11/32	9	**T7606001**	201035	10	100	9.3	4.2	**40**	**18**
231	3/8	10	Rigid, Open Eye, Bolt Snap	Zinc	3/8	10	3 1/2	89	13/32	10	**T7606011**	191725	10	100	13.9	6.3	**60**	**27**
232	1/2	13	Rigid, Open Eye, Bolt Snap	Zinc	1/2	13	4	102	7/16	11	**T7606021**	191732	10	100	17	7.7	**60**	**27**
240	1/2	13	Rigid, Open Eye, Bolt Snap	Zinc	1/2	13	4 1/4	108	15/32	12	**T7606031**	191749	10	100	26	11.6	**100**	**45**
245	1/2	13	Rigid, Open Eye, Bolt Snap	Zinc	1/2	13	5 1/4	133	1/2	13	**T7601451**	191589	10	50	22	10.0	**200**	**91**
250	5/8	16	Rigid, Open Eye, Bolt Snap	Zinc	5/8	16	7	178	9/16	14	**T7601461**	191596	10	100	64	29.0	**240**	**109**

⚠ ADVERTENCIA

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- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
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- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠ WARNING

- **DO NOT EXCEED** the working load limit (WLL).
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- **MISUSE** can result in serious bodily injury or property damage.

Malleable Iron and Steel Snaps

333

334

341

406-407

424

437

822

830

855

1001

1405-1407

2437

3142

3369

5013, Round Eye

5013, Strap Eye

5025, Strap Eye

5025, Round Eye

5037

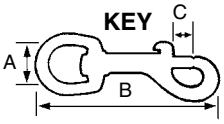

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	Dimensions A mm	Dimensions B in	Dimensions B mm	Dimensions C in	Dimensions C mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
333	7/8	22	Swiveling, Round Eye, Animal Tie Snap	Zinc	7/8	22	5	127	9/16	14	**T7601801**	191602	10	50	33	15	**440**	**200**
334	1/4	6	Swiveling, Round Eye, Spring Snap	Nickel	1/4	6	1 7/8	48	5/32	4	**T7606102**	201042	10	100	2	0.9	**20**	**9**
334	3/8	10	Swiveling, Round Eye, Spring Snap	Nickel	3/8	10	2	51	5/32	4	**T7601912**	191619	10	100	2	0.9	**20**	**9**
341	3/8	10	Rigid, Round Eye, Spring Snap	Zinc	3/8	10	2	51	5/32	4	**T7602301**	192630	10	100	2.6	1.2	**30**	**14**
407	3/4	19	Swiveling, Round Eye, Spring Snap	Zinc	3/4	19	4 1/8	105	9/32	7	**T7606301**	201059	10	100	10	4.5	**80**	**36**
424	-	-	Breaching Snap	Zinc	-	-	2 1/2	64	9/32	7	**T7602611**	191626	10	100	6	2.7	**80**	**36**
437	3/8	10	Swiveling, Round Eye, Spring Snap	Nickel	3/8	10	2 1/2	64	7/32	6	**T7606502**	191756	10	100	3.6	1.6	**30**	**14**
822	5/8	16	Rigid, Round Eye, Cap Snap	Zinc	5/8	16	5	127	9/16	14	**T7603211**	204555	10	100	32	14.5	**320**	**145**
830	3/4	19	Swiveling, Round Eye, Cap Snap	Zinc	3/4	19	3 1/2	89	11/32	9	**T7606801**	201066	10	100	13	5.9	**100**	**45**
830	1	25	Swiveling, Round Eye, Cap Snap	Zinc	1	25	4 1/2	114	7/16	11	**T7603441**	191640	10	100	22	10	**190**	**86**
855	5 1/4	133	Double Ended, Cap Snap	Zinc	-	-	5 1/4	133	7/16	11	**T7603911**	193712	10	100	30	13.6	**250**	**113**
1001	1/2	13	Rigid, Round Eye, Panic Snap	Nickel	1/2	13	4	102	-	-	**T7604002**	191657	10	100	31	14.1	**140**	**64**
1405	2 7/8	73	Swiveling, Open Eye, Spring Snap	Zinc	-	-	2 7/8	73	1/4	6	**T7607306**	192838	10	100	6	2.7	**30**	**14**
1407	3 3/4	95	Swiveling, Open Eye, Spring Snap	Zinc	-	-	3 3/4	95	5/16	8	**T7607301**	201073	10	100	6.9	3.1	**60**	**27**
2437	4 3/4	121	Swiveling, Dbl Ended, Spring Snap	Nickel	-	-	4 3/4	121	7/32	6	**T7604302**	204562	10	100	7	3.2	**30**	**14**
3142	7/8	22	Swiveling, Round Eye, Animal TieSnap	Zinc	7/8	22	4 7/8	124	7/8	22	**T7607401**	191763	10	100	45.8	20.8	**300**	**136**
3369	5/8	16	Rigid, Fixed Eye Hook	Zinc	5/8	16	3 5/8	92	9/16	14	**T7620794**	204609	10	100	32.8	14.9	**1000**	**454**
5013	3/8	10	Swiveling, Round Eye, Trigger Snap	Nickel	3/8	10	2 1/2	64	3/8	10	**T7607502**	191770	10	100	8	3.6	**70**	**32**
5013	5/8	16	Swiveling, Strap Eye, Trigger Snap	Nickel	5/8	16	2 1/2	64	3/8	10	**T7604622**	191664	10	100	8	3.6	**70**	**32**
5025	3/8	10	Swiveling, Round Eye, Bolt Snap	Nickel	3/8	10	2 7/8	73	5/16	8	**T7607602**	191787	10	100	7.4	3.4	**60**	**27**
5037	3/8	10	Swiveling, Open Eye, Spring Snap	Nickel	3/8	10	2 1/2	64	7/32	6	**T7607702**	201080	10	100	4	1.8	**30**	**14**

⚠ADVERTENCIA

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⚠WARNING

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Die Cast Zinc Snaps

017Z

25Z

125Z

162Z-163Z

225Z

251Z

334Z

340Z

435Z

437Z

3142Z

5013Z, Round Eye

5013Z, Strap Eye

5015Z

5025Z

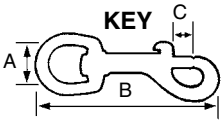

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
017Z	1	25	Swiveling, Strap Eye, Bolt Snap	Nickel	1	25	3 3/16	81	3/8	10	**T7610102**	201097	10	100	12	5	**80**	**36**
25Z	1	25	Rigid, Strap Eye, Bolt Snap	Nickel	1	25	3 1/16	78	3/8	10	**T7615102**	191794	10	100	10	5	**40**	**18**
125Z	5/8	16	Rigid, Round Eye, Bolt Snap	Nickel	5/8	16	3 3/8	86	3/8	10	**T7615202**	201127	10	100	10	5	**90**	**41**
162Z	-	-	Double Ended, Bolt Snap	Nickel	-	-	4	102	3/8	10	**T7615302**	201134	10	100	13	6	**60**	**27**
163Z	-	-	Double Ended, Bolt Snap	Nickel	-	-	4 5/8	117	7/16	11	**T7615312**	191800	10	100	14	6	**70**	**32**
225Z	1/2	13	Swiveling, Round Eye, Bolt Snap	Nickel	1/2	13	3 1/2	89	3/8	10	**T7615012**	201110	10	100	7	3	**90**	**41**
225Z	5/8	16	Swiveling, Round Eye, Bolt Snap	Nickel	5/8	16	3 1/2	89	3/8	10	**T7615402**	201141	10	100	11	5	**80**	**36**
225Z	3/4	19	Swiveling, Round Eye, Bolt Snap	Nickel	3/4	19	3 11/16	94	3/8	10	**T7615412**	201158	10	100	11	5	**70**	**32**
225Z	1	25	Swiveling, Round Eye, Bolt Snap	Nickel	1	25	4 1/4	108	1/2	13	**T7615422**	201165	10	100	20	9	**90**	**41**
251Z	5/8	16	Swiveling, Round Eye, Quick Snap	Nickel	5/8	16	3 3/8	86	5/8	16	**T7615502**	191817	10	100	14	6	**80**	**36**
251Z	1	25	Swiveling, Round Eye, Quick Snap	Nickel	1	25	3 13/16	97	5/8	16	**T7610832**	201103	10	100	18	8	**70**	**32**
334Z	1/4	6	Swiveling, Round Eye, Spring Snap	Nickel	1/4	6	2	51	7/32	6	**T7615602**	191824	10	100	2.5	1	**20**	**9**
435Z	5/8	16	Swiveling, Strap Eye, Spring Snap	Nickel	5/8	16	2 5/8	67	9/32	7	**T7615802**	201172	10	100	5	2	**30**	**14**
437Z	3/8	10	Swiveling, Round Eye, Spring Snap	Nickel	3/8	10	2 9/16	65	9/32	7	**T7615902**	201189	10	100	4	2	**30**	**14**
3142Z	7/8	22	Swiveling, Round Eye, Animal Tie Snap	Nickel	7/8	22	4 13/16	122	7/8	22	**T7616302**	191848	10	100	38	17	**150**	**68**
5013Z	3/8	10	Swiveling, Round Eye, Trigger Snap	Nickel	3/8	10	2 7/16	62	3/8	10	**T7616402**	193538	10	100	7	3	**30**	**14**
5013Z	1/2	13	Swiveling, Round Eye, Trigger Snap	Nickel	1/2	13	2 11/16	68	3/8	10	**T7616412**	179723	10	100	7	3	**40**	**18**
5015Z	3/4	19	Swiveling, Round Eye, Trigger Snap	Nickel	3/4	19	4	102	9/16	14	**T7616602**	191855	10	100	14	6	**90**	**41**
5025Z	3/8	10	Swiveling, Round Eye, Bolt Snap	Nickel	3/8	10	2 11/16	68	5/16	8	**T7616702**	201196	10	100	6	3	**50**	**23**

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⚠ WARNING

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Solid Bronze Snaps

161B-163B

225B

231B

249B

251B

2311B

5013B

5025B

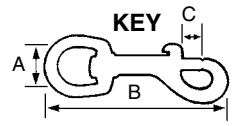

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	Dimensions A mm	Dimensions B in	Dimensions B mm	Dimensions C in	Dimensions C mm	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
161B	-	-	Double Ended, Bolt Snap	Polished	-	-	3 13/32	87	5/16	8	**T7625004**	201226	10	100	14	6	**60**	**27**
163B	-	-	Double Ended, Bolt Snap	Polished	-	-	4 1/2	114	13/32	10	**T7625014**	201233	10	100	20	9	**100**	**45**
225B	5/8	16	Swiveling, Round Eye, Bolt Snap	Polished	5/8	16	3 1/8	79	3/8	10	**T7625104**	191886	10	100	14	6	**70**	**32**
225B	3/4	19	Swiveling, Round Eye, Bolt Snap	Polished	3/4	19	3 5/32	80	3/8	10	**T7625114**	179785	10	100	14	6	**70**	**32**
225B	1	25	Swiveling, Round Eye, Bolt Snap	Polished	1	25	3 17/32	90	3/8	10	**T7625124**	191893	10	100	18	8	**90**	**41**
225B	1 1/4	32	Swiveling, Round Eye, Bolt Snap	Polished	1 1/4	32	4 3/4	121	19/32	15	**T7620334**	191862	10	100	30	13	**120**	**54**
231B	3/8	10	Rigid, Open Eye, Bolt Snap	Polished	3/8	10	3 13/32	87	3/8	10	**T7625204**	179792	10	100	14	6	**70**	**32**
249B(0)	3/8	10	Rigid, Round Eye, Quick Snap	Polished	3/8	10	2 5/32	55	9/32	7	**T7625304**	201240	10	100	6	3	**60**	**27**
249B(1)	5/8	16	Rigid, Round Eye, Quick Snap	Polished	5/8	16	2 7/8	73	3/4	19	**T7625314**	201257	10	100	11	5	**70**	**32**
249B(2)	11/16	17	Rigid, Round Eye, Quick Snap	Polished	11/16	17	3 29/32	98	19/32	15	**T7625324**	193743	10	100	12	5	**100**	**45**
249B(3)	3/4	19	Rigid, Round Eye, Quick Snap	Polished	3/4	19	3 15/64	82	9/16	14	**T7620534**	201202	10	100	20	9	**140**	**64**
251B(1)	5/8	16	Swiveling, Round Eye, Quick Snap	Polished	5/8	16	3 5/16	84	5/16	8	**T7625404**	201264	10	100	16	7	**60**	**27**
251B(2)	11/16	17	Swiveling, Round Eye, Quick Snap	Polished	11/16	17	3 11/16	94	7/16	11	**T7620614**	201219	10	100	20	9	**60**	**27**
251B(3)	3/4	19	Swiveling, Round Eye, Quick Snap	Polished	3/4	19	4 1/2	114	9/16	14	**T7625434**	201271	10	100	28	13	**140**	**64**
2311B	3/4	19	Snap Hook	Polished	3/4	19	4 1/16	103	5/8	16	**T7620804**	191879	10	100	30	13	**140**	**64**
5013B	1/2	13	Swiveling, Round Eye, Trigger Snap	Polished	1/2	13	2 15/32	63	7/16	11	**T7625504**	191909	10	100	11	5	**40**	**18**
5025B	3/8	10	Swiveling, Round Eye, Bolt Snap	Polished	3/8	10	2 9/32	58	1/4	6	**T7625604**	191916	10	100	8	4	**80**	**36**
5025B	1/2	13	Swiveling, Round Eye, Bolt Snap	Polished	1/2	13	2 15/16	75	1/4	6	**T7625614**	191923	10	100	8	4	**40**	**18**

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Stainless Steel (#316) Snaps

162S

225S

249S

251S

2311S

5025S

5013S

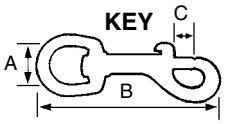


Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
162S	-	-	Double Ended, Bolt Snap	Polished	-	-	4	102	3/8	10	**T7631204**	201332	10	100	13	6	**130**	**59**
225S	1/2	13	Swiveling, Round Eye, Bolt Snap	Polished	1/2	13	3 5/16	84	3/8	10	**T7631304**	179907	10	100	13	6	**170**	**77**
225S	3/4	19	Swiveling, Round Eye, Bolt Snap	Polished	3/4	19	3 3/32	80	3/8	10	**T7631324**	201349	10	100	10	5	**180**	**82**
225S	1 1/8	28	Swiveling, Round Eye, Bolt Snap	Polished	1 1/8	28	4 5/16	110	19/32	15	**T7631334**	204623	10	100	26	12	**200**	**91**
249S	3/8	10	Rigid, Round Eye, Quick Snap	Polished	3/8	10	2 5/32	55	9/32	7	**T7631404**	204647	10	100	5	2	**90**	**41**
249S	5/8	16	Rigid, Round Eye, Quick Snap	Polished	5/8	16	2 7/8	73	3/8	10	**T7631414**	201356	10	100	10	5	**160**	**73**
249S	3/4	19	Rigid, Round Eye, Quick Snap	Polished	3/4	19	3 29/32	99	9/16	14	**T7631434**	201363	10	100	20	9	**190**	**86**
251S	11/16	17	Swiveling, Round Eye, Quick Snap	Polished	11/16	17	3 11/16	95	7/16	11	**T7631524**	193514	10	100	40	18	**220**	**100**
251S	3/4	19	Swiveling, Round Eye, Quick Snap	Polished	3/4	19	4 1/2	114	9/16	14	**T7631534**	201370	10	100	30	13	**200**	**91**
2311S	3/4	19	Snap Hook	Polished	3/4	19	4 1/16	103	5/8	16	**T7631604**	201387	10	100	20	9	**400**	**181**
2311S	1 1/8	28	Snap Hook	Polished	1 1/8	28	4 21/32	118	23/32	18	**T7631614**	201394	10	50	20	9	**400**	**181**
5013S	1/2	13	Swiveling, Round Eye, Trigger Snap	Polished	1/2	13	2 15/32	63	7/16	11	**T7631704**	201400	10	100	10	5	**80**	**36**
5025S	1/2	13	Swiveling, Round Eye, Bolt Snap	Polished	1/2	13	2 15/16	75	1/4	6	**T7631804**	179983	10	100	8	4	**50**	**23**

Gatehook

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	Bagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
444	4	102	Reverse Eye, with Steel Staples (2)	Zinc	3/8	10	4	102	1/4	6	**B7606601**	156724	10	100	20	9	--	--

⚠ ADVERTENCIA

- **NO EXCEDA** el límites de carga de trabajo (WLL).
- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠ WARNING

- **DO NOT EXCEED** the working load limit (WLL).
- **DO NOT USE** for overhead lifting, to support human weight, for playground or athletic equipment, or as a safety device.
- **DO NOT USE** if visibly worn or distorted.
- **MISUSE** can result in serious bodily injury or property damage.

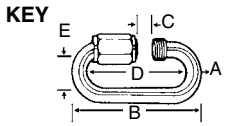
Quick Links, Spring Links, Swivels

2225

2225Z

2450

7350



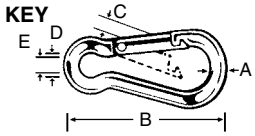


Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	D in	D mm	E in	E mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
2225Z	5/8	16	Double, Round Eye, Swivel	Nickel	5/8	16	2 11/16	68	-	-	-	-	-	-	**T7640302**	191930	10	100	10	5	**90**	**41**
2225Z	3/4	19	Double, Round Eye, Swivel	Nickel	3/4	19	3	76	-	-	-	-	-	-	**T7616202**	191831	10	100	14	6	**100**	**45**
2225Z	1	25	Double, Round Eye, Swivel	Nickel	1	25	3 9/16	90	-	-	-	-	-	-	**T7640322**	191947	10	100	18	8	**100**	**45**
2450	1/4	6	Spring Snap Link	Zinc	-	5	2	51	1/4	6	5/16	8	1/4	6	**T7645006**	201585	10	100	5	2	**80**	**36**
2450	5/16	8	Spring Snap Link	Zinc	-	6	2 3/8	60	5/16	8	5/16	8	1/4	6	**T7645016**	201592	10	100	8	4	**130**	**59**
2450	3/8	10	Spring Snap Link	Zinc	-	7	2 3/4	70	3/8	10	3/8	10	5/16	8	**T7645026**	201608	10	100	10	5	**160**	**73**
2450	7/16	11	Spring Snap Link	Zinc	-	8	3 1/8	79	7/16	11	7/16	11	5/16	8	**T7645036**	201615	10	100	15	7	**200**	**91**
2450	1/2	13	Spring Snap Link	Zinc	-	9	3 1/2	89	1/2	13	1/2	13	3/8	10	**T7645046**	201622	10	100	20	9	**230**	**104**
2450	5/8	16	Spring Snap Link	Zinc	-	10	4	102	5/8	16	9/16	14	7/16	11	**T7645066**	201639	10	100	25	11	**280**	**127**
2450	3/4	19	Spring Snap Link	Zinc	-	11	4 3/4	121	3/4	19	5/8	16	7/16	11	**T7645068**	191954	10	50	20	9	**350**	**159**
2450	1	25	Spring Snap Link	Zinc	-	12	5 1/2	140	13/16	21	3/4	19	5/8	16	**T7645074**	204777	10	50	30	13	**400**	**181**
7350	1/8	3	Quick Link	Zinc	-	3.5	1 3/8	35	1/8	3	1 1/8	29	7/16	11	**T7645106**	201646	10	100	4	2	**220**	**100**
7350	3/16	5	Quick Link	Zinc	-	5	2	51	3/16	5	1 5/8	41	9/16	14	**T7645116**	201653	10	100	8	4	**660**	**300**
7350	1/4	6	Quick Link	Zinc	-	6	2 1/4	57	1/4	6	1 13/16	46	5/8	16	**T7645126**	180354	10	100	10	5	**880**	**400**
7350	5/16	8	Quick Link	Zinc	-	8	2 15/16	75	5/16	8	2 1/4	57	3/4	19	**T7645136**	201660	10	100	20	9	**1760**	**800**
7350	3/8	10	Quick Link	Zinc	-	9	3 3/16	81	3/8	10	2 1/2	64	13/16	21	**T7645146**	201677	10	100	25	11	**2200**	**1000**
7350	1/2	13	Quick Link	Zinc	-	12	4 1/4	108	9/16	14	3 1/4	83	1	25	**T7645156**	201684	10	50	27	12	**3300**	**1500**

⚠ADVERTENCIA

- **NO EXCEDA** el límites de carga de trabajo (WLL).
- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠WARNING

- **DO NOT EXCEED** the working load limit (WLL).
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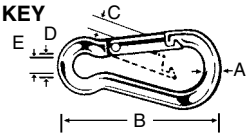
- **DO NOT USE** if visibly worn or distorted.
- **MISUSE** can result in serious bodily injury or property damage.

Stainless Steel Spring Links, Quick Links

2450

7350

KEY



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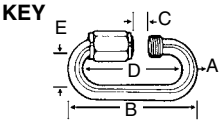

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	D in	D mm	E in	E mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
2450	1/4	6	Spring Link, Cast SS	Polished	-	6	2 3/8	60	1/4	6	3/8	10	5/16	8	**T7630406**	193415	10	100	5	2	**160**	**73**
2450	5/16	8	Spring Link, Cast SS	Polished	-	8	3 1/8	79	3/8	10	1/2	13	3/8	10	**T7630416**	193422	10	100	8	4	**200**	**91**
2450	3/8	10	Spring Link, Cast SS	Polished	-	9	3 1/2	89	7/16	11	9/16	14	7/16	11	**T7630426**	193439	10	100	11	5	**260**	**118**
2450	7/16	11	Spring Link, Cast SS	Polished	-	10	3 7/8	98	1/2	13	5/8	16	1/2	13	**T7630436**	193446	10	100	16	7	**320**	**145**
2450	1/2	13	Spring Link, Cast SS	Polished	-	11	4 1/2	114	5/8	16	11/16	17	9/16	14	**T7630446**	193453	10	100	16	7	**450**	**204**
7350	1/8	3	Quick Link, Cast SS	Polished	-	3.5	1 3/8	35	1/8	3	1 1/8	29	7/16	11	**T7630506**	193460	10	100	4	2	**220**	**100**
7350	3/16	5	Quick Link, Cast SS	Polished	-	5	2	51	3/16	5	1 5/8	41	9/16	14	**T7630526**	193477	10	100	10	5	**660**	**300**
7350	1/4	6	Quick Link, Cast SS	Polished	-	6	2 1/4	57	1/4	6	1 13/16	46	5/8	16	**T7630536**	193484	10	100	10	5	**880**	**400**
7350	5/16	8	Quick Link, Cast SS	Polished	-	8	2 15/16	75	5/16	8	2 1/4	57	3/4	19	**T7630546**	193491	10	100	20	9	**1540**	**700**
7350	3/8	10	Quick Link, Cast SS	Polished	-	9	3 3/16	81	3/8	10	2 1/2	64	13/16	21	**T7630556**	193507	10	100	20	9	**1540**	**700**

Aluminum Spring Snap - 10 Assorted Colors

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	A mm	B in	B mm	C in	C mm	D in	D mm	E in	E mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
-	5/16	8	Aluminum Spring Snap	Asst'd	-	8	3 1/8	79	1/2	13	2 1/2	64	1 1/8	29	**T7645000**	206092	10	100	6	3	**75**	**34**

⚠ ADVERTENCIA

- **NO EXCEDA** el límites de carga de trabajo (WLL).
- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠ WARNING

- **DO NOT EXCEED** the working load limit (WLL).
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- **DO NOT USE** if visibly worn or distorted.
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Pulleys

One-piece, cast construction with triple, copper/nickel plating and solid brass or brass plated sheaves.

0173

0174

0176

0178

Figure No.	Size in	Size mm	Description	Finish	Dimensions: Sheave Dia. in	Sheave Dia. mm	Eye Size in	Eye Size mm	Rope Size in	Rope Size mm	Tagged: Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
0173	1/2	13	Swivel Eye. Single Sheave Pulley	Nickel	1/2	13	5/16	8	5/16	8	**T7655052**	191978	10	100	8	4	**25**	**11**
0173	3/4	19	Swivel Eye. Single Sheave Pulley	Nickel	3/4	19	5/16	8	1/4	6	**T7655002**	179990	10	100	10	5	**25**	**11**
0173	1	25	Swivel Eye. Single Sheave Pulley	Nickel	1	25	5/16	8	5/16	8	**T7655012**	180002	10	100	17	8	**30**	**14**
0173	1 1/4	32	Swivel Eye. Single Sheave Pulley	Nickel	1 1/4	32	5/8	16	3/8	10	**T7655022**	180019	10	100	30	13	**50**	**23**
0173	1 1/2	38	Swivel Eye. Single Sheave Pulley	Nickel	1 1/2	38	5/8	16	3/8	10	**T7655032**	191961	10	50	15	7	**50**	**23**
0173	2	51	Swivel Eye. Single Sheave Pulley	Nickel	2	51	5/8	16	1/2	13	**T7655042**	180026	10	50	23	10	**55**	**25**
0174	1/2	13	Rigid Eye. Single Sheave Pulley	Nickel	1/2	13	3/16	5	5/16	8	**T7655062**	191985	10	100	6	3	**30**	**14**
0174	3/4	19	Rigid Eye. Single Sheave Pulley	Nickel	3/4	19	3/16	5	1/4	6	**T7655100**	201417	10	100	10	5	**30**	**14**
0174	1	25	Rigid Eye. Single Sheave Pulley	Nickel	1	25	7/32	6	5/16	8	**T7655112**	180040	10	100	17	8	**55**	**25**
0174	1 1/4	32	Rigid Eye. Single Sheave Pulley	Nickel	1 1/4	32	3/8	10	3/8	10	**T7655120**	180057	10	100	30	13	**110**	**50**
0174	1 1/2	38	Rigid Eye. Single Sheave Pulley	Nickel	1 1/2	38	3/8	10	3/8	10	**T7655132**	191992	10	50	15	7	**110**	**50**
0174	2	51	Rigid Eye. Single Sheave Pulley	Nickel	2	51	15/32	12	1/2	13	**T7655142**	180064	10	50	23	10	**125**	**57**
0176	3/4	19	Rigid Eye. Double Sheave Pulley	Nickel	3/4	19	3/16	5	1/4	6	**T7655202**	201424	10	100	17	8	**40**	**18**
0176	1	25	Rigid Eye. Double Sheave Pulley	Nickel	1	25	7/32	6	5/16	8	**T7655212**	201431	10	100	20	9	**55**	**25**
0176	1 1/2	38	Rigid Eye. Double Sheave Pulley	Nickel	1 1/2	38	3/8	10	3/8	10	**T7655222**	192005	10	50	20	9	**90**	**41**
0178	3/4	19	Swivel Eye. Double Sheave Pulley	Nickel	3/4	19	5/16	8	1/4	6	**T7655302**	180095	10	100	17	8	**25**	**11**
0178	1	25	Swivel Eye. Double Sheave Pulley	Nickel	1	25	5/16	8	5/16	8	**T7655312**	180101	10	100	24	11	**25**	**11**

Note: All bagged items have one product per bag.

⚠ADVERTENCIA

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- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠WARNING

- **DO NOT EXCEED** the working load limit (WLL).
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Heavy Duty Pulleys

T7550302 T7550402 T7550421 T7550502 T7551522

- Steel body and die-cast zinc sheave
- Zinc plated to protect against rust and corrosion
- Powder metal bushing to extend pulley life and provide smooth operation
- For rope up 3/8" or 1/2" as noted
- Working Load Limit stamped on pulley body
- For indoor or outdoor use
- Mount wall and ceiling pulleys with 4D or 6D nails or #4 x 3/4" screws
- Order unit is "each"

Tagged Cat. No.	UPC No. 020418	Sheave Diameter & Type in	mm	Description	Finish	"A" Max Cable Diameter in	mm	Shelf Pack	Case Pack	Case Weight lb	kg	Working Load Limit lb	kg
T7550301	193361	1½	38	Swivel Eye, Single Sheave	Zinc plate	⅜	10	5	50	16	7	**420**	**190**
T7550302	193378	2	51	Swivel Eye, Single Sheave	Zinc plate	⅜	10	5	50	11	5	**480**	**218**
T7550303	206085	2½	64	Swivel Eye, Single Sheave	Zinc plate	⅜	10	5	25	16	7	**550**	**249**
T7550304	300059	3	76	Swivel Eye, Single Sheave	Zinc plate	½	13	5	25	26	12	**650**	**295**
T7550401	193392	1½	38	Fixed Eye, Single Sheave	Zinc plate	⅜	10	5	50	9	4	**420**	**190**
T7550402	193408	2	51	Fixed Eye, Single Sheave	Zinc plate	⅜	10	5	50	13	6	**480**	**218**
T7550403	300035	2½	64	Fixed Eye, Single Sheave	Zinc plate	⅜	10	5	25	17	8	**550**	**249**
T7550404	300042	3	76	Fixed Eye, Single Sheave	Zinc plate	½	13	5	25	26	12	**650**	**295**
T7550421	193385	1½	38	Fixed Eye, Double Sheave	Zinc plate	⅜	10	5	50	15	7	**400**	**181**
T7550501	300028	1½	38	Wall/Ceil Mount, Single Sheave	Zinc plate	⅜	10	5	50	17	8	**100**	**45**
T7550502	300011	2	51	Wall/Ceil Mount, Single Sheave	Zinc plate	⅜	10	5	50	23	10	**100**	**45**
T7551522	300004	2	51	Joist Mount, Single Sheave	Zinc plate	⅜	10	5	50	23	10	**100**	**45**

Rope Accessories

4015 T7691800 T7691801 B7679034 B7679035

- Cleats are zinc die-cast, nickel plated or brass
- For fastening rope for boats, awnings, and more

Figure No.	Size in	mm	Description	Finish	Dimensions Length in	mm	Rope Size in	mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	kg
4015	2½	64	Rope Cleat	Nickel	2½	64	-	-	**T7655402**	192012	10	100	4	2
4015	4½	114	Rope Cleat	Nickel	4½	114	-	-	**T7655412**	192029	10	100	8.8	4
4015	2½	64	Rope Cleat	Brass	2½	64	-	-	**T7655404**	193354	10	100	2.5	1
4015	6	152	Rope Cleat	Nickel	6	152	-	-	**T7655422**	193347	10	100	14.4	7
-	½	13	Rope Loop	Nickel	2¾	71	½	13	**T7691800**	211836	10	100	3.7	2
-	1	25	Strap Loop	Nickel	2⅝	66	1	25	**T7691801**	211843	10	100	3.5	2
-	1¼	32	Strap Loop	Nickel	2¾	71	1¼	32	**T7691802**	211850	10	100	3.3	1
-	1½	38	Strap Loop	Nickel	3⅛	79	1½	38	**T7691803**	211867	10	100	4.1	2
-	2	51	Strap Loop	Nickel	3¾	95	2	51	**T7691804**	211829	10	100	5.7	3
-	-	-	Rope Clamp, (2 per Bag)	Zinc	-	-	½	13	**B7679034**	157189	10	100	13	6
-	-	-	Rope Clamp & Thimble	Zinc	-	-	¼ - ⅜	6 - 10	**B7679035**	157196	10	100	13	6

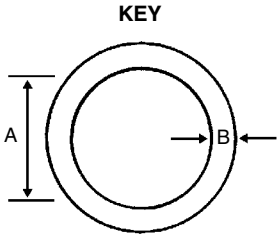
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Rings (Imported)



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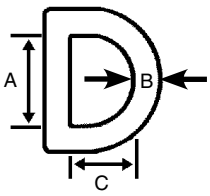
T7663550

Figure No.	Size in	Size mm	Description	Finish	Dimensions A in	Dimensions A mm	Dimensions B in	Dimensions B mm	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
-	2	51	Hitch Ring with 3½" Screw Eye	Zinc	2	51	0.26	7	**T7663550**	211898	5	50	10.5	5	**90**	**41**
2	1½	38	Welded Ring	Zinc	1½	38	0.26	7	**T7660961**	204807	10	100	9	4	**200**	**91**
2	2	51	Welded Ring	Nickel	2	51	0.26	7	**T7665001**	201295	10	100	12	5	**200**	**91**
2	2½	64	Welded Ring	Zinc	2½	64	0.26	7	**T7661361**	192043	10	100	14	6	**200**	**91**
3	1½	38	Welded Ring	Nickel	1½	38	0.24	6	**T7665042**	201325	10	100	8	4	**200**	**91**
3	2	51	Welded Ring	Nickel	2	51	0.24	6	**T7661152**	192036	10	100	10	5	**200**	**91**
4	1¼	32	Welded Ring	Zinc	1¼	32	0.22	6	**T7660841**	192845	10	100	6	3	**200**	**91**
7	1	25	Welded Ring	Nickel	1	25	0.18	4	**T7665012**	201301	10	100	4	2	**200**	**91**
7	1¼	32	Welded Ring	Nickel	1¼	32	0.18	4	**T7665032**	201318	10	100	5	2	**200**	**91**
7B	1⅛	28	Solid Bronze Ring	Polished	1⅛	28	0.21	5	**T7662114**	201288	10	100	4	2	**150**	**68**
7B	2	51	Solid Bronze Ring	Polished	2	51	0.25	6	**T7662154**	192050	10	100	10	5	**150**	**68**

Dees



3250

Figure No.	Size in	Size mm	Description	Finish	A (Inside Dia.) in	A (Inside Dia.) mm	B (Wire Dia.) in	B (Wire Dia.) mm	C (Inside Dia.) in	C (Inside Dia.) mm	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
3250	1	25	Welded Dee	Nickel	1	25	0.21	5	13/16	21	**T7662322**	204821	10	100	4	2	**200**	**91**
3250	1¼	32	Welded Dee	Zinc	1¼	32	0.24	6	1⅛	29	**T7662342**	192067	10	100	6	3	**200**	**91**
3250	1½	38	Welded Dee	Zinc	1½	38	0.24	6	1½	38	**T7662351**	192074	10	100	8	4	**200**	**91**
3250	2	51	Welded Dee	Nickel	2	51	0.26	7	1¾	44	**T7662372**	204845	10	100	11	5	**200**	**91**

⚠ ADVERTENCIA

- **NO EXCEDA** el límites de carga de trabajo (WLL).
- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠ WARNING

- **DO NOT EXCEED** the working load limit (WLL).
- **DO NOT USE** for overhead lifting, to support human weight, for playground or athletic equipment, or as a safety device.
- **DO NOT USE** if visibly worn or distorted.
- **MISUSE** can result in serious bodily injury or property damage.

Footman Loops

T7691800

T7691801

Size in	Size mm	Description	Finish	Dimensions: Overall Length in	Overall Length mm	Inside Loop Length in	Inside Loop Length mm	Diameter in	Diameter mm	Tagged Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg
½	13	Rope Loop	Nickel	2¾	70	1¾	43	¼	6	**T7691800**	211836	10	100	3.7	2
1	25	Strap Loop	Nickel	2⅝	67	1	25	¼	6	**T7691801**	211843	10	100	3.5	1
1¼	32	Strap Loop	Nickel	2¾	70	1⅜	34	¼	6	**T7691802**	211850	10	100	3.6	1
1½	38	Strap Loop	Nickel	3⅛	79	1⅝	41	¼	6	**T7691803**	211867	10	100	3.9	2
2	51	Strap Loop	Nickel	3¾	95	2⅛	55	5/16	8	**T7691804**	211829	10	100	5.5	3

Animal Accessories

Figure No.	Description	Packed	Finish	Cat. No.	UPC No. 020418	Case Pack	Case Weight lb	Case Weight kg	Case Cubes
1949	Spiral Tie out Stake, 15½“	Bulk	Zinc	**7692006**	144936	25	25	11	0.41

Swaging Tool

- Uses: For swaging ferrules onto wire rope or cable

Warning:

- **Do Not** use on coated cable
- Follow assembly instructions

Swaging Tools Description	Pkd	For Ferrules & Stops in	mm	in	mm	Cat. No.	UPC No. 020418	Weight Ea. lb	kg
18” Swaging Tool	Bulk	1/16	1	3/16	3	**7679037**	190407	6.0	3

⚠ADVERTENCIA

- **NO EXCEDA** el límites de carga de trabajo (WLL).
- **NO USE** para levantamiento aéreo, para soportar peso humano, para equipo deportivo o de patios de recreo, ni a manera de dispositivo de seguridad.
- **NO USE** si hay desgaste o deformación visible.
- **EL USO INA DECUADO** puede resultar en lesiones físicas graves o daño a la propiedad

⚠WARNING

- **DO NOT EXCEED** the working load limit (WLL).
- **DO NOT USE** for overhead lifting, to support human weight, for playground or athletic equipment, or as a safety device.
- **DO NOT USE** if visibly worn or distorted.
- **MISUSE** can result in serious bodily injury or property damage.

Ferrules and Stops

Warning; To prevent injury:
- **Do Not** use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions

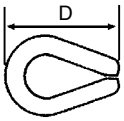
Cable Ferrule and Stop

Description	Material	Dimensions For Cable in	Dimensions For Cable mm	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg
Cable Ferrules (2) and Stops (2)	Aluminum	1/16	1	**B7675304**	157134	10	100	4	2
Cable Ferrules (2) and Stops (2)	Aluminum	3/32	2	**B7675314**	157141	10	100	5	2
Cable Ferrules (2) and Stops (2)	Aluminum	1/8	3	**B7675324**	157158	10	100	6	3
Cable Ferrules (2) and Stops (2)	Aluminum	3/16	5	**B7675344**	157165	10	100	8	4
Cable Ferrules (2) and Stops (2)	Aluminum	1/4	6	**B7675354**	157172	10	100	14	6
Cable Ferrules	Aluminum	1/16	1	**7670704**	166464	50	250	2 1/2	1
Cable Ferrules	Aluminum	3/32	2	**7670714**	166471	50	250	2 1/2	1
Cable Ferrules	Aluminum	1/8	3	**7670724**	166488	50	250	2 1/2	1
Cable Ferrules	Aluminum	3/16	5	**7670744**	166501	50	250	5	2

Accessories

Wire Rope Clips and Thimbles

Warning; To prevent injury:
- **Do Not** use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions



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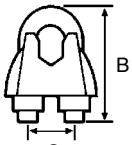

3300

Figure No.	Size in	Size mm	Description	Finish	Dimensions A (Cable Size) in	A mm	B in	B mm	C in	C mm	D in	D mm	Bagged Cat. No.	Bagged UPC No. 020418	Tagged Cat. No.	Tagged UPC No. 020418	Case Shelf Pack	Case Case Pack	Weight lb	Weight kg
3300	1/16	1	Wire Rope Clips	Galv	1/16	1	1	25	1/2	13	-	-	-	-	**T7670409**	192586	10	100	4	2
3300	3/32-1/8	2-3	Wire Rope Clips	Galv.	3/32-1/8	2-3	1	25	1/2	13	-	-	-	-	**T7670419**	201691	10	100	4	2
3300	3/16	5	Wire Rope Clips	Galv	3/16	5	1 1/16	27	9/16	14	-	-	-	-	**T7670429**	201707	10	100	8	4
3300	1/4	6	Wire Rope Clips	Galv	1/4	6	1 1/2	38	11/16	17	-	-	-	-	**T7670439**	201714	10	100	14	6
3300	5/16	8	Wire Rope Clips	Galv	5/16	8	1 1/2	38	11/16	17	-	-	-	-	**T7670449**	201721	10	100	20	9
3300	3/8	10	Wire Rope Clips	Galv	3/8	10	2	51	7/8	22	-	-	-	-	**T7670459**	201738	10	100	20	9
3300	1/2	13	Wire Rope Clips	Galv	1/2	13	2 1/2	64	1	25	-	-	-	-	**T7670479**	201745	5	50	16	7
3300	5/8	16	Wire Rope Clips	Galv	5/8	16	2 3/4	70	1 3/16	30	-	-	-	-	**T7670489**	201752	5	50	13	6
3300	3/4	19	Wire Rope Clips	Galv	3/4	19	3 1/16	78	1 11/32	34	-	-	-	-	**T7670499**	180460	5	50	30	14
323	3/32-1/8	2-3	Wire Rope Thimbles	Galv.	3/32-1/8	2-3	-	-	-	-	1 3/4	44	-	-	**T7670609**	201769	10	100	3	1
323	3/16	5	Wire Rope Thimbles	Galv	3/16	5	-	-	-	-	1 3/4	44	-	-	**T7670619**	201776	10	100	3	1
323	1/4	6	Wire Rope Thimbles	Galv	1/4	6	-	-	-	-	1 7/8	48	-	-	**T7670629**	201783	10	100	3	1
323	5/16	8	Wire Rope Thimbles	Galv	5/16	8	-	-	-	-	2 3/32	53	-	-	**T7670639**	201790	10	100	7	3
323	3/8	10	Wire Rope Thimbles	Galv	3/8	10	-	-	-	-	2 1/4	57	-	-	**T7670649**	201806	10	100	8	4
323	1/2	13	Wire Rope Thimbles	Galv	1/2	13	-	-	-	-	2 1/2	64	-	-	**T7670659**	201813	5	50	6	3
323	5/8	16	Wire Rope Thimbles	Galv	5/8	16	-	-	-	-	2 7/8	73	-	-	**T7670669**	201820	5	50	17	8
3300	1/8	3	Wire Rope Clips (2) w/Thimble (1)	Galv	1/8	3	1 1/2	38	1/2	13	1 3/4	44	**B7675109**	166846	-	-	10	100	18	8
3300	3/16	5	Wire Rope Clips (2) w/Thimble (1)	Galv	3/16	5	1 1/16	27	9/16	14	1 3/4	44	**B7675119**	166853	-	-	10	100	19	9
3300	1/4	6	Wire Rope Clips (2) w/Thimble (1)	Galv	1/4	6	1 1/2	38	11/16	17	1 7/8	48	**B7675129**	166860	-	-	10	100	20	9

Note: All bagged items have one product per bag, except where noted.

⚠ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Stainless Steel Wire Rope Clips & Light Duty Thimbles

Warning; To prevent injury:

- **Do Not** use on coated cable. If used on coated cable, remove the coating from the assembly area
- Follow assembly instructions
- Standard Material: Cast Stainless Steel
- Order unit is "Each"

Size in	Size mm	Description	Finish	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg
1/8	3	Wire Rope Clips	Polished	**T7633002**	204692	10	100	7	3
3/16	5	Wire Rope Clips	Polished	**T7633003**	204715	10	100	8	4
1/4	6	Wire Rope Clips	Polished	**T7633004**	204722	10	100	14	6
1/16 - 1/8	2 - 3	Thimbles	Polished	**T7637502**	204739	10	100	2	1
3/16	5	Thimbles	Polished	**T7637503**	204746	10	100	3	1
1/4	6	Thimbles	Polished	**T7637504**	204753	10	100	3	1

Cable Pullers

6312035

6312036

- Campbell's cable pullers feature double drive ratchet wheels, easy let-down releases and aircraft-type, 3/16" galvanized cables
- Built-in safety handle is designed to bend if recommended working load limit is exceeded
- All cable pullers packaged one per carton in attractive full color box that gives full operating instructions
- **Caution: Do not use cable pullers to lift people or to lift loads over people.**

Cat. No.	UPC No. 020418	Description	Draw ft	Draw m	Weight lb	Weight kg
6312035	162701	1/2 Ton Lift, 1 Ton Pull Cable Puller, Imported	10 1/2	3.2	8	4
6312036	162718	1 Ton Lift, 2 Ton Pull Cable Puller, Imported	6	1.8	9	4

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:

- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:

- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Anchor Shackles, Screw Pin (Import)

- Consumer grade
- Standard Material: Shackle bodies forged steel
- Standard Finish: Zinc plated
- Design Factor: 5 to 1
- UPC tagged

Size in	Size mm	Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
3/16	6	Shackle, Screw Pin	Zinc	**T9600335**	201509	10	100	10	5	**100**	**45**
1/4	7	Shackle, Screw Pin	Zinc	**T9600435**	201516	10	100	10	5	**400**	**179**
5/16	8	Shackle, Screw Pin	Zinc	**T9600535**	201523	10	100	20	9	**700**	**314**
3/8	10	Shackle, Screw Pin	Zinc	**T9600635**	201530	10	100	30	13	**1,000**	**448**
1/2	13	Shackle, Screw Pin	Zinc	**T9600835**	201547	5	50	35	16	**2,000**	**896**
5/8	16	Shackle, Screw Pin	Zinc	**T9601035**	201554	5	20	28	13	**3,000**	**1,344**
3/4	20	Shackle, Screw Pin	Zinc	**T9601235**	201561	5	20	48	22	**4,000**	**1,792**
1	25	Shackle, Screw Pin	Zinc	**T9601635**	201578	2	10	50	22	**5,000**	**2,240**

Anchor Shackles, Screw Pin (Import)

- Industrial grade
- Forged steel
- Galvanized
- Design Factor: 5 to 1
- Working Load Limit shown on every shackle
- UPC tagged

Size in	Size mm	Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit Tons	Working Load Limit kg
3/16	6	Shackle, Screw Pin	Galvanized	**T9640335**	211706	10	100	6	3	**1/3**	**302**
1/4	7	Shackle, Screw Pin	Galvanized	**T9640435**	211683	10	100	11	5	**1/2**	**454**
5/16	8	Shackle, Screw Pin	Galvanized	**T9640535**	211676	10	100	18	8	**3/4**	**680**
3/8	10	Shackle, Screw Pin	Galvanized	**T9640635**	211669	10	100	32	14	**1**	**907**
1/2	13	Shackle, Screw Pin	Galvanized	**T9640835**	211652	5	50	35	16	**2**	**1,814**
5/8	16	Shackle, Screw Pin	Galvanized	**T9641035**	211645	1	25	38	17	**3 1/4**	**2,948**
3/4	20	Shackle, Screw Pin	Galvanized	**T9641235**	211621	1	15	35	16	**4 3/4**	**4,309**
7/8	22	Shackle, Screw Pin	Galvanized	**T9641435**	211638	1	10	34	15	**6 1/2**	**5,897**
1	25	Shackle, Screw Pin	Galvanized	**T9641635**	211614	1	5	26	12	**8 1/2**	**7,711**

⚠ ADVERTENCIA

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- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Stainless Anchor Shackles, Screw Pin (Import)

- Type 316 Stainless Steel
- Cast bodies
- UPC tagged

Size in	Size mm	Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
1/4	7	Shackle, Screw Pin	Polished	**T7632104**	204661	10	100	20	9	**800**	**363**
5/16	8	Shackle, Screw Pin	Polished	**T7632105**	204678	10	100	27	13	**1,400**	**627**
3/8	10	Shackle, Screw Pin	Polished	**T7632106**	204685	10	100	42	19	**2,000**	**896**

Eye & Eye Swivels (Import)

- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- UPC tagged

Size in	Size mm	Description	Finish	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
3/16	6	Swivel, Eye & Eye	Galvanized	**T9630335**	211560	5	50	6	3	**700**	**318**
1/4	7	Swivel, Eye & Eye	Galvanized	**T9630435**	211577	5	50	10	5	**850**	**386**
5/16	8	Swivel, Eye & Eye	Galvanized	**T9630535**	211584	5	50	19	9	**1,250**	**567**
3/8	10	Swivel, Eye & Eye	Galvanized	**T9630635**	211591	5	25	17	8	**2,250**	**1,021**
1/2	13	Swivel, Eye & Eye	Galvanized	**T9630835**	211607	5	25	35	16	**3,600**	**1,633**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Grab Hooks, Grade 30, (Import)

- Forged steel
- Zinc plated
- UPC tagged

Eye Grab Hook

Clevis Grab Hook

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
¼	6	Grab Hook, Grade 30	Zinc Plated	Eye	**T9000424**	201837	10	100	30	13	**1,300**	**580**
				Clevis	**T9500424**	201936	10	100	30	13		
5⁄16	8	Grab Hook, Grade 30	Zinc Plated	Eye	**T9000524**	201844	10	100	50	22	**1,900**	**860**
				Clevis	**T9500524**	201943	10	100	60	27		
⅜	10	Grab Hook, Grade 30	Zinc Plated	Eye	**T9000624**	201851	10	50	35	16	**2,650**	**1,200**
				Clevis	**T9500624**	201950	10	50	45	20		
½	13	Grab Hook, Grade 30	Zinc Plated	Eye	**T9000824**	180576	5	20	36	16	**4,500**	**2,030**
				Clevis	**T9500824**	201967	5	20	40	18		

Grab Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Eye Grab Hook

Clevis Grab Hook

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
¼	6	Grab Hook, Grade 43	Zinc Plated	Eye	**T9001424**	222139	10	100	40	18	**2,600**	**1,179**
				Clevis	**T9501424**	192678	10	100	43	19		
5⁄16	8	Grab Hook, Grade 43	Zinc Plated	Eye	**T9001524**	222146	10	50	30	13	**3,900**	**1.769**
				Clevis	**T9501524**	192685	10	50	36	16		
⅜	10	Grab Hook, Grade 43	Zinc Plated	Eye	**T9001624**	222153	10	50	45	20	**5,400**	**2,449**
				Clevis	**T9501624**	192692	10	50	56	25		
½	13	Grab Hook, Grade 43	Zinc Plated	Eye	**T9001824**	222122	5	20	36	16	**9,200**	**4,173**
				Clevis	**T9501824**	220661	5	20	37	17		

⚠ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Slip Hooks, Grade 30, (Import)

Eye Slip Hook

Clevis Slip Hook

- Forged steel
- Zinc plated
- UPC tagged

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
¼	6	Slip Hook, Grade 30	Zinc Plated	Eye	**T9100424**	201868	10	100	40	18	**1,300**	**580**
				Clevis	**T9400424**	201905	5	100	80	36		
5⁄16	8	Slip Hook, Grade 30	Zinc Plated	Eye	**T9100524**	201875	10	100	60	27	**1,900**	**860**
				Clevis	**T9400524**	201912	5	50	50	22		
⅜	10	Slip Hook, Grade 30	Zinc Plated	Eye	**T9100624**	201882	10	50	50	22	**2,650**	**1,200**
				Clevis	**T9400624**	201929	5	50	70	31		
½	13	Slip Hook, Grade 30	Zinc Plated	Eye	**T9100824**	201899	5	20	52	23	**4,500**	**2,030**
				Clevis	**T9400824**	180651	5	20	78	35		

Slip Hooks, Grade 43, (Import)

Eye Slip Hook

Clevis Slip Hook

Clevis Slip Hook with Latch

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
¼	6	Slip Hook, Grade 43	Zinc Plated	Eye	**T9101424**	222177	10	100	40	18	**2,600**	**1,179**
				Clevis	**T9401424**	192647	5	100	58	26		
				Clevis w/Latch	**T9700424**	192081	5	50	33	15		
5⁄16	8	Slip Hook, Grade 43	Zinc Plated	Eye	**T9101524**	222184	10	50	30	13	**3,900**	**1.769**
				Clevis	**T9401524**	192654	5	50	39	18		
				Clevis w/Latch	**T9700524**	192098	5	50	47	21		
⅜	10	Slip Hook, Grade 43	Zinc Plated	Eye	**T9101624**	222191	10	50	50	22	**5,400**	**2,449**
				Clevis	**T9401624**	192661	5	50	72	33		
				Clevis w/Latch	**T9700624**	192104	5	30	42	19		
½	13	Slip Hook, Grade 43	Zinc Plated	Eye	**T9101824**	222160	5	20	52	23	**9,200**	**4,173**
				Clevis	**T9401824**	220654	5	15	43	20		
				Clevis w/Latch	**T9700824**	220647	5	15	43	20		

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Grab Hooks, Grade 70, (Import)

- Forged steel
- Yellow chromate finish
- Transport grade
- UPC tagged

Clevis Grab Hook

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
5/16	8	Clevis Grab Hook, Grade 70	Y/C	Clevis	**T9503415**	201974	10	50	60	27	**4,700**	**2,130**
3/8	10	Clevis Grab Hook, Grade 70	Y/C	Clevis	**T9503515**	201981	5	25	23	10	**6,600**	**2,990**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** para cargar hacia arriba o para izar.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** for overhead lifting or hoisting.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

"S" Hooks - Product Shown Actual Size

Proper closure

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Campbell®
FITTINGS

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

Carbon and Alloy Steel Fittings Standards

CooperTools forges Campbell® fittings under established quality control procedures. Dimensional tolerances meet standards adopted by the Drop Forging Association as outlined in "Standard Practices and Tolerances for Impression Die Forgings." Working load limits for carbon and alloy steel fittings are based on predetermined design factors.

Working Load Limit. This is the related capacity. It is the maximum load which should ever be applied to the fittings in service, even when they are new.

Proof Test. This is a term designating a quality control tensile test applied to the fitting during ar subsequent to the process of manufacture. It is the minimum force in pounds which the fitting has withstood in the condition and at the time it left the factory, under a test in which a constantly increasing force has been applied in direct tension to the fitting on a standard test machine.

Ton. Where "ton" is used in this catalog, it refers to short ton or 2,000 pounds.

WARNING: Do not exceed Working Load Limit.

Most of the fittings in this catalog are intended to be used in conjunction with other components in a load sustaining system. Care should be taken to select components of compatible type, grade, size and working load limit. Any abuse, misuse or alteration of the fitting may lessen the load that the fitting will sustain. Some examples of such changes and abuses are as follows:

- Twisting or side loading.
- Disfigurement.
- Deterioration of the fitting caused by strain, usage or corrosion.
- Shock loading.
- Use for a purpose other than that for which the particular fitting was intended.
- Use to carry a load in excess of the Working Load Limit.

A continual inspection program should be undertaken to discover gouges, distortion, cracks, elongation or stretching, spread in the throat, opening of hooks, severe wear, or other damage. Apex Tool Group does not accept any liability for damages which may result from alteration, misuse or abuse of the product or from use in excess of the Working Load Limit.

Key to Figure Number Designations	S – Self-Colored G – Galvanized A – Alloy H – Heat Treated

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

Stainless Forged Fittings

Campbell® stainless forged fittings are used in place of carbon steel fittings for marine and food processing applications and where fittings are exposed to oxidizing acids, alkalis, neutral brines and detrimental temperatures. They have won wide acceptance in aviation, boating, cements, chemicals, fertilizers, fishing, food processing, hydrodynamics and nuclear energy. Many are used in the fields of oceanography, petroleum, pulp and paper manufacturing, sewage disposal, textiles, water purification and yachting.

All stainless fittings are made of Type 316 stainless steel and have an electro-polished finish for improved stress relief, surface appearance and resistance to corrosion and chemical attack.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

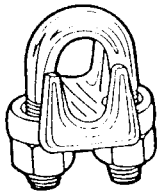
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Forged Wire Rope Clips

1000-G Forged **Stainless Steel**
3300 Malleable Iron

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THESE WIRE ROPE CLIPS.



FORGED WIRE ROPE CLIP

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Prepare wire rope end termination only as instructed.**
- **Do not use on plastic coated wire rope.**
- **Periodically inspect assembly for wear and abuse, and tighten nuts to recommended torque. If worn, distorted or damaged, discard and replace.**
- **Always stand clear of loads being lifted.**

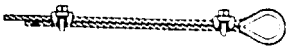
Campbell forged carbon steel wire rope clips meet the design requirements of Federal Specification FF-C-450, Type 1, Class 1. The base is drop-forged. All parts are galvanized to ASTM A-153 specification. The U-bolt is dyed blue for identification.

Campbell stainless wire rope clips are all drop-forged and made of Type 316 Stainless Steel, and have an electro-polished finish.

Wire rope clips are used for making eye termination assemblies.

IMPORTANT: Instructions For Use

1. Turn back specified amount of rope per clip size (shown in the table below) from the thimble. Install clip on base width from dead end of rope (U-bolt over dead end). Tighten nuts evenly to recommended torque.



2. Assemble the next clip as close to the loop as possible. Turn nuts alternately and firmly until the ropes make contact.

3. If any additional clips are required, they should be equally spaced between the first two. Tighten all nuts evenly on all clips to recommended torque (see table).

4. IMPORTANT!
Apply the initial load to test the assembly. This load should be equal or greater weight than loads expected in use. Retighten nuts to recommended torque. Periodically, inspect assembly and tighten nuts to recommended torque.

The efficiency rating of a properly installed clip is based upon the catalog breaking strength of wire rope. The efficiency rating for clip sizes 1/8” through 7/8” is 80% and for sizes 1” through 2” is 90%. When a pulley is used in place of thimble for turning back the rope, one additional clip should be added.

The minimum number of clips shown in the table is based on using right or lang lay wire rope, 6x19 class, or 6x37 class, IWRC or fiber core, IPS or EIPS. If Seale construction or similar large outer wire type construction in the 6x19 class is being used for 1” and larger wire rope, one additional clip should be added.

The minimum number of clips shown in the table can be used with right regular lay wire rope, 8x19 class, fiber core IPS or IPS for 1-1/2” and smaller wire rope. The number of clips shown also applies to right regular lay wire rope 18x7 class, fiber core IPS or XIPS for 1-3/4” and smaller wire rope.

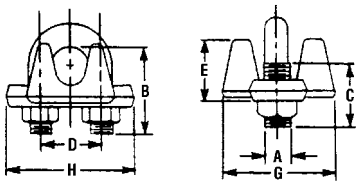
For classes of wire rope not mentioned, additional clips may be necessary to make a proper termination. Do not use on plastic coated wire rope.

Clip Size,		Minimum No. of Clips	L Amount of Rope to Turn Back		Torque Foot Weight	
in.	mm		in.	mm	lb	kg
1/8	3	2	3 1/2	89	5	2
3/16	5	2	4	102	8	4
1/4	6	2	5	127	15	7
5/16	8	2	5 1/2	140	30	14
3/8	10	2	6 1/2	165	45	20
7/16	11	2	7	178	65	30
1/2	13	3	11 1/2	292	65	30
9/16	14	3	12	305	95	43
5/8	16	3	12	305	95	43
3/4	19	4	18	457	130	59
7/8	22	4	19	483	225	102
1	25	5	26	660	225	102
1 1/8	29	6	34	864	225	102
1 1/4	32	7	44	1118	360	163
1 1/2	38	8	54	1372	360	163
1 3/4	44	8	61	1549	590	268
2	51	8	71	1803	750	341

NOTE: If more clips are used than specified in the table above, the amount of rope turnback should be increased accordingly. The data above based on use of Brewer-Titchener forged wire rope clips on new rope.

1000-G, Wire Rope Clips (Forged Carbon Steel, Galvanized)

- Standard Material: Base is drop-forged carbon steel, with heavy hex nuts
- Standard Finish: Galvanized to ASTM A-153 specification
- Other Features: Meets specification FF-C-450, Type 1, Class 1
- Note: See application and warning information



For Rope Dia. in.	For Rope Dia. mm	Cat. No.	UPC No. 020418	Min. No. of Clips Req.	A UNC-2A in.	A UNC-2A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	Clips Per Box	Weight/100 lb	Weight/100 kg
* 1/8	3	**6990234**	099908	2	7/32	6	3/4	19	7/16	11	9/16	14	7/16	11	29/32	737	1 1/16	27	100	6	3
* 3/16	5	**6990334**	099915	2	1/4	6	15/16	24	9/16	14	5/8	16	1/2	13	15/16	813	1 1/8	29	100	10	5
* 1/4	6	**6990434**	099922	2	5/16	8	1 1/32	26	5/8	16	23/32	18	21/32	17	1 1/8	29	1 7/16	37	100	18	8
* 5/16	8	**6990534**	099939	2	3/8	10	1 5/16	33	13/16	21	7/8	22	3/4	19	1 5/16	29	1 11/16	43	100	32	15
3/8	10	**6990634**	099946	2	7/16	11	1 1/2	38	15/16	24	1	25	29/32	23	1 9/16	33	1 15/16	49	75	48	22
7/16	11	**6990734**	099953	2	1/2	13	2	51	1 1/8	29	1 1/8	29	1	25	1 11/16	40	2 1/4	57	50	72	33
1/2	13	**6990834**	099960	3	1/2	13	2	51	1 1/8	29	1 1/8	29	1 1/16	27	1 13/16	43	2 1/4	57	50	76	35
9/16	14	**6990934**	099997	3	9/16	14	2 3/8	60	1 3/8	35	1 1/4	32	1 9/32	33	1 15/16	46	2 7/16	62	50	96	44
5/8	16	**6991034**	099984	3	9/16	14	2 3/8	60	1 1/2	38	1 1/4	32	1 9/32	33	2 1/16	52	2 7/16	62	25	105	48
3/4	19	**6991234**	099991	4	5/8	11	2 3/4	70	1 1/2	38	1 1/2	38	1 1/2	38	2 5/16	59	2 13/16	71	25	160	73
7/8	22	**6991434**	100000	4	3/4	10	3 1/8	79	1 7/8	48	1 3/4	44	1 17/32	39	2 1/2	64	3 1/4	83	25	240	109
1	25	**6991634**	100017	5	3/4	10	3 1/2	89	2 1/32	52	1 7/8	48	1 3/4	44	2 3/4	70	3 3/8	86	25	270	123
1 1/8	29	**6991834**	100024	6	3/4	10	3 7/8	98	2 1/8	54	2 1/32	52	1 29/32	48	3	76	3 5/8	92	10	340	154
1 1/4	32	**6992034**	100031	7	7/8	9	4 1/4	108	2 3/8	60	2 1/4	57	2 7/32	56	3 1/4	83	4	102	10	468	212
1 1/2	38	**6992434**	100048	8	7/8	9	4 15/16	125	2 1/4	57	2 9/16	65	2 9/16	65	3 1/2	89	4 3/8	111	10	600	272
1 3/4	44	**6992835**	100055	8	1 1/8	29	5 13/16	148	2 3/4	70	3 1/16	78	2 3/4	70	3 3/4	95	5 5/16	135	Bulk	900	409
2	51	**6993235**	100062	8	1 1/4	32	6 1/2	165	3	76	3 3/8	86	3 1/8	79	4 1/4	108	5 7/8	149	Bulk	1,230	558

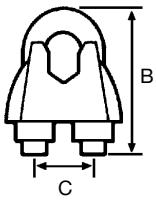
* Bagged, unassembled

3300, Wire Rope Clips (Malleable Iron, Zinc Plated) (Imported)

- Standard Material: Base is cast malleable iron with regular hex nuts
- Note: See application and warning information.

Figure No.	Size in	Size mm	A in	A mm	B in	B mm	C in	C mm	Tagged Cat. No.	Tagged UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg
3300	1/16	1	1/16	1	7/8	9	7/16	11	**T7670409**	192586	10	100	2	1
3300	1/8	3	1/8	3	1	25	1/2	13	**T7670419**	201691	10	100	4	2
3300	3/16	5	3/16	5	1 1/16	27	9/16	14	**T7670429**	201707	10	100	7	3
3300	1/4	6	1/4	6	1 1/2	38	11/16	17	**T7670439**	201714	10	100	12	5
3300	5/16	8	5/16	8	1 1/2	38	11/16	17	**T7670449**	201721	10	100	14	6
3300	3/8	9	3/8	10	2	51	7/8	22	**T7670459**	201738	10	100	22	10
3300	1/2	13	1/2	13	2 1/2	64	1	25	**T7670479**	201745	10	50	18	8
3300	5/8	16	5/8	16	2 3/4	70	1 3/16	30	**T7670489**	201752	10	50	28	13
3300	3/4	19	3/4	19	3 1/16	78	1 11/32	34	**T7670499**	180460	5	50	38	17

3300



⚠ ADVERTENCIA

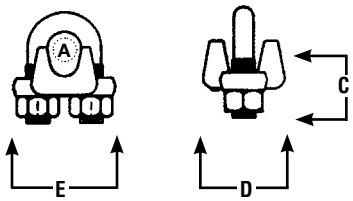
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

M-43-ST, Wire Rope Clips (Stainless Steel)

- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish



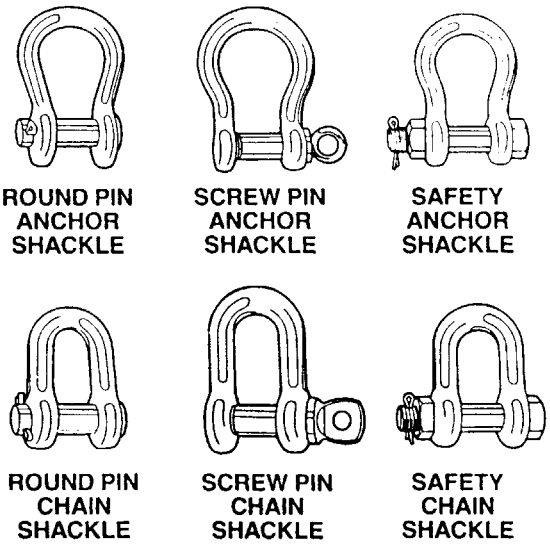
For Rope Diameter A		Cat. No.	UPC No. 020418	Dimensions B		C		D		E		Clips Per Fastening	Weight/ 100	
in.	mm			in.	mm	in.	mm	in.	mm	in.	mm		lb	kg
1/8	3	**6403002**	094101	5/32	4	9/16	14	3/4	19	3/4	19	2	4	2
3/16	5	**6403003**	094118	1/4	6	3/4	19	7/8	22	1 1/8	29	2	10	5
1/4	6	**6403004**	094125	5/16	8	1	25	1 1/8	29	1 3/8	35	2	18	8
3/8	9	**6403006**	094132	1/2	13	1 3/8	35	1 1/2	38	2	51	2	52	23
1/2	13	**6403008**	094149	9/16	14	2	51	1 7/8	48	2 5/16	59	3	89	40

Fittings

Shackles

416-S Round Pin Chain
419-S, G Screw Pin Anchor
422-G Screw Pin Chain
999-G, A Safety Anchor
998-G Safety Chain
Stainless Round Pin Anchor
Stainless Screw Pin Anchor
Stainless Safety Anchor

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SHACKLES.



⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use shackles only as indicated.**
- **Shackles must always be inspected for wear, distortion and damage before use. If the pin or bow is worn, distorted or damaged, discard the entire shackle and replace.**
- **Do not use round pin shackles in rigging applications.**
- **Screw pin shackles should not be used if there will be movement on the pin. Movement could cause the pin to unscrew and drop the load.**
- **Always stand clear of loads being lifted.**

Shackles (continued)

Campbell carbon and alloy shackles are all drop-forged. The pins and bolts are made of alloy steel. The shackles all meet the design requirements of Federal Specification RR-C-271, Type IV. Galvanizing is to ASTM A-153 specification.

Campbell Stainless shackles are all drop-forged and made of Type 316 Stainless Steel, and have an electro-polished finish.

IMPORTANT: Instructions For Use

1. *Do not exceed working load limit* (WLL). See tables below.
2. The standard WLL given applies to in-line loading (perpendicular to the pin). When the loading is at an angle, the WLL is reduced as shown in the table below.
3. Any angular loads must be on the bow. All straight loading should be on the pin.

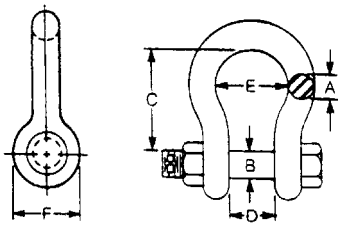
WLL in Tons–Campbell Carbon and Alloy Shackles

Shackle Size,		In-Line Load WLL		45° Load WLL		90° Load WLL	
in.	mm	ton	kg	ton	kg	ton	kg
3/16	5	1/3	302	1/5	181	1/6	151
1/4	6	1/2	454	1/3	302	1/4	227
5/16	8	3/4	680	1/2	454	1/3	302
3/8	10	1	907	2/3	605	1/2	454
3/8 Alloy	10	2	1814	1 1/3	1210	1	907
7/16	11	1 1/2	1361	1	907	3/4	680
1/2	13	2	1814	1 1/3	1210	1	907
1/2 Alloy	13	3 1/4	2948	2 1/3	2117	1 1/2	1361
5/8	16	3 1/4	2948	2 1/4	2041	1 1/2	1361
3/4	19	4 3/4	4309	3 1/3	3024	2 1/3	2117
3/4 Alloy	19	7	6350	5	4536	3 1/2	3175
7/8	22	6 1/2	5897	4 1/2	4082	3 1/4	2948
1	25	8 1/2	7711	6	5443	4 1/4	3856
1 Alloy	25	12 1/2	11338	8 3/4	7936	6 1/4	5668
1 1/8	29	9 1/2	8618	6 2/3	6048	4 3/4	4309
1 1/4	32	12	10886	8 1/3	7560	6	5443
1 1/4 Alloy	32	18	16326	12 1/2	11338	9	8163
1 3/8	35	13 1/2	12247	9 1/2	8618	6 3/4	6123
1 1/2	38	17	15422	11 7/8	10773	8 1/2	7711
1 1/2 Alloy	38	30	27215	21	19051	15	13608
1 5/8	41	20	18144	14	12700	10	9072
1 3/4 Alloy	44	40	36287	28	25401	12 1/2	11340
2	51	35	31751	24 1/2	22226	17 1/2	15876
2 Alloy	51	50	45359	35	31751	25	22679
2 1/2	64	55	49895	38 1/2	34926	27 1/2	24947
3	76	75	68038	52 1/2	47627	37 1/2	34019
3 1/2	89	100	90718	70	63502	50	45359

WLL in Lbs.–Campbell Stainless Shackles

Shackle Size,		In-Line Load WLL		45° Load WLL		90° Load WLL	
in.	mm	lb	kg	lb	kg	lb	kg
1/4	6	1000	454	700	318	500	227
5/16	8	1500	681	1050	476	750	363
3/8	10	2000	907	1400	635	1000	454
7/16	11	3000	1362	2100	953	1500	681
1/2	13	4000	1814	2800	1270	2000	907
5/8	16	6000	2722	4200	1905	3000	1362
3/4	19	8000	3629	5600	2540	4000	1814
7/8	22	10000	4540	7000	3175	5000	2268
1	25	12000	5443	8400	3810	6000	2722

999, Anchor Shackles – Bolt Type Drop-Forged Carbon Steel and Alloy Steel



- Standard Material: Shackle bodies are drop-forged carbon steel. Alloy shackles are all alloy steel
- Standard Finish self-colored or galvanized to meet ASTM A-153 specifications
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- 999-G, safety meets the design requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 3

999-G, Drop-Forged Carbon Steel – Galvanized

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances Length		Tolerances Width		Dimensions B		C		D		E		F		Weight/100	
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	**5390435**	193156	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	11/16	17	10	5
3/8	10	**5390635**	193170	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14
1/2	13	**5390835**	075520	2	1814	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32
5/8	16	**5391035**	075544	3 1/4	2948	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	130	59
3/4	19	**5391235**	075568	4 3/4	4309	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91
7/8	22	**5391435**	075582	6 1/2	5897	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150
1	25	**5391635**	075605	8 1/2	7711	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/8	29	**5391835**	*075629	9 1/2	8618	1/4	6	1/16	2	1 1/4	32	4 1/4	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322
1 1/4	32	**5392035**	075643	12	10886	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454
1 3/8	35	**5392235**	075667	13 1/2	12247	1/4	6	1/8	3	1 1/2	38	5 1/4	133	2 1/4	57	3 1/2	89	3 1/4	83	1300	590
1 1/2	38	**5392435**	075681	17	15422	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 7/8	98	3 1/2	89	1600	726
1 3/4	44	**5392835**	075735	25	22680	1/4	6	1/8	3	2	51	7	178	2 7/8	73	4 3/4	121	4	102	2850	1294
2	51	**5393235**	075766	35	31752	1/2	13	1/8	3	2 1/4	57	7 3/4	197	3 1/4	83	5 3/4	146	4 7/8	124	4000	1816
2 1/2	64	**5394035**	075797	55	49896	1/2	13	1/8	3	2 3/4	70	10 9/16	268	4 1/8	105	7 1/4	184	5 1/2	140	9000	4086

* These items are made to order

999-A, Alloy Steel – Galvanized

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances Length		Tolerances Width		Dimensions B		C		D		E		F		Weight/100	
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/2	13	**5390895**	182198	3 1/4	2948	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32
3/4	19	**5391295**	182105	7	6350	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91
1	25	**5391695**	182112	12 1/2	11340	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/4	32	**5392095**	182129	18	16329	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454
1 1/2	38	**5392495**	075698	30	27216	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 7/8	98	3 1/2	89	1600	726

⚠ ADVERTENCIA

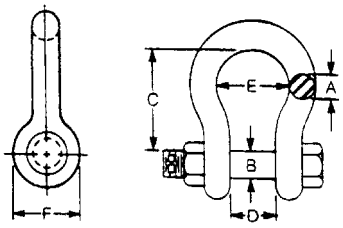
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Anchor Shackles – Bolt Type (Imported)
Type 316 Stainless Steel

- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish
- Imported



Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances Length		Tolerances Width		Dimensions B		Dimensions C		Dimensions D		Dimensions E		Dimensions F		Weight Each	
in.	mm			lb	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
5/16	8	**6402405**	093852	1300	590	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	0.16	0.07
3/8	9	**6402406**	093869	1500	681	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	0.20	0.09
7/16	11	**6402407**	093876	2000	907	1/8	3	1/16	2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	0.50	0.23
1/2	13	**6402408**	093883	3000	1362	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	0.72	0.33
5/8	16	**6402410**	093890	4000	1814	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	1.38	0.63
3/4	19	**6402412**	093906	6000	2722	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	2.22	1.01
7/8	22	**6402414**	093913	8000	3629	1/4	6	1/16	2	1	25	3 1/4	63	1 7/16	37	1 13/16	46	1 3/4	44	2.22	1.01
1	25	**6402416**	093920	10000	4540	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/8	54	2	51	3.28	1.49

Fittings

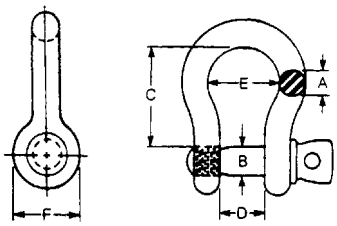
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

419, Anchor Shackles – Screw Pin Drop-Forged Carbon Steel and Alloy Steel



- Standard Material: Shackle bodies are drop-forged carbon steel. Alloy shackles are all alloy steel
- Standard Finish self-colored or galvanized to meet ASTM A-153 specifications
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- 419-S, 419-G Screw Pin meets the design requirements of Federal Specification RR-C-271, Type IVA, Grade A, Class 2

Fittings

419-S, Drop-Forged Carbon Steel – Self Colored

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances Length		Tolerances Width		Dimensions B		C		D		E		F		Weight/100	
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	**5410405**	076145	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	11/16	17	10	5
5/16	8	**5410505**	076176	3/4	680	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	18	8
3/8	10	**5410605**	076206	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14
7/16	11	**5410705**	076237	1 1/2	1361	1/8	3	1/16	2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	52	24
1/2	13	**5410805**	076268	2	1814	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32
5/8	16	**5411005**	076282	3 1/4	2948	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	130	59
3/4	19	**5411205**	076305	4 3/4	4309	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91
7/8	22	**5411405**	076329	6 1/2	5897	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150
1	25	**5411605**	076343	8 1/2	7711	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/8	29	**5411805**	076367	9 1/2	8618	1/4	6	1/16	2	1 1/4	32	4 1/4	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322
1 1/4	32	**5412005**	076381	12	10886	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454
1 3/8	35	**5412205**	076404	13 1/2	12247	1/4	6	1/8	3	1 1/2	38	5 1/4	133	2 1/4	57	3 1/2	89	3 1/4	83	1300	590
1 1/2	38	**5412405**	076428	17	15422	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 7/8	98	3 1/2	89	1600	726
1 3/4	44	**5412805**	076459	25	22680	1/4	6	1/8	3	2	51	7	178	2 7/8	73	4 3/4	121	4	102	2850	1294
2	51	**5413205**	076473	35	31752	1/2	13	1/8	3	2 1/4	57	7 3/4	197	3 1/4	83	5 3/4	146	4 7/8	124	4000	1816
2 1/2	64	**5414005**	076510	55	49896	1/2	13	1/8	3	2 3/4	70	10 9/16	268	4 1/8	105	7 1/4	184	5 1/2	140	9000	4086

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

419, Anchor Shackles - Screw Pin continued Drop-Forged Carbon Steel – Galvanized

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions										Weight/ 100	
						Length		Width		B		C		D		E		F			
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3/16	5	**5410335**	076138	1/3	302	1/16	2	1/16	2	1/4	6	7/8	22	3/8	10	19/32	15	9/16	14	5	2
1/4	6	**5410435**	076169	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	11/16	17	10	5
5/16	8	**5410535**	076190	3/4	680	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	18	8
3/8	10	**5410635**	076220	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14
7/16	11	**5410735**	076251	1 1/2	1361	1/8	3	1/16	2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	52	24
1/2	13	**5410835**	076275	2	1814	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32
5/8	16	**5411035**	076299	3 1/4	2948	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	130	59
3/4	19	**5411235**	076312	4 3/4	4309	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91
7/8	22	**5411435**	076336	6 1/2	5897	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/16	52	2	51	330	150
1	25	**5411635**	076350	8 1/2	7711	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/8	29	**5411835**	076374	9 1/2	8618	1/4	6	1/16	2	1 1/4	32	4 1/4	108	1 13/16	46	2 15/16	75	2 5/8	67	710	322
1 1/4	32	**5412035**	076398	12	10886	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454
1 3/8	35	**5412235**	076411	13 1/2	12247	1/4	6	1/8	3	1 1/2	38	5 1/4	133	2 1/4	57	3 1/2	89	3 1/4	83	1300	590
1 1/2	38	**5412435**	076435	17	15422	1/4	6	1/8	3	1 5/8	41	5 3/4	146	2 3/8	60	3 7/8	98	3 1/2	89	1600	726
1 3/4	44	**5412835**	076466	25	22680	1/4	6	1/8	3	2	51	7	178	2 7/8	73	4 3/4	121	4	102	2850	1294
2	51	**5413235**	076480	35	31752	1/2	13	1/8	3	2 1/4	57	7 3/4	197	3 1/4	83	5 3/4	146	4 7/8	124	4000	1816
2 1/2	64	**5414035**	076527	55	49896	1/2	13	1/8	3	2 3/4	70	10 9/16	268	4 1/8	105	7 1/4	184	5 1/2	140	9000	4086

Anchor Shackles - Screw Pin Drop-Forged Carbon Steel Galvanized - Bagged, 1 per Bag, 10 Bags per Carton

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions										Weight/ Shelf Pack	
						Length		Width		B		C		D		E		F			
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	**B5960435**	154928	1/2	454	1/16	2	1/16	2	5/16	8	1 1/8	29	15/32	12	25/32	20	11/16	17	2	0.9
5/16	8	**B5960535**	156687	3/4	680	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	2.7	1.2
3/8	10	**B5960635**	154942	1	907	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	4.2	1.9

419, Anchor Shackles - Screw Pin 419-A, Alloy Steel - Galvanized

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions										Weight/ 100	
						Length		Width		B		C		D		E		F			
in.	mm			ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3/8	10	**5410695**	182136	2	1814	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	30	14
1/2	13	**5410895**	182143	3 1/3	3024	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	70	32
3/4	19	**5411295**	182150	7	6350	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	200	91
1	25	**5411695**	182167	12 1/2	11340	1/4	6	1/16	2	1 1/8	29	3 3/4	95	1 11/16	43	2 1/2	64	2 3/8	60	500	227
1 1/4	32	**5412095**	182174	18	16330	1/4	6	1/16	2	1 3/8	35	4 1/2	114	2	51	3 1/4	83	3	76	1000	454

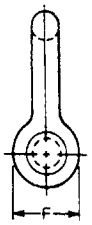
⚠ ADVERTENCIA

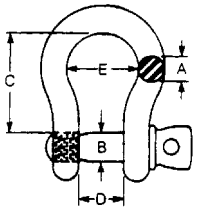
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Anchor Shackles – Screw Pin (Imported)

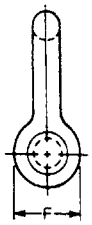


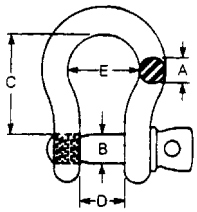


- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- Working Load Limit shown on every shackle
- UPC tagged

Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg
3/16	6	**T9640335**	211706	1/3	302	0.19	5	0.25	6	0.87	22	0.37	9	0.63	16	0.56	14	10	100	6	3
1/4	7	**T9640435**	211683	1/2	454	0.25	6	0.31	8	1.12	28	0.50	13	0.78	20	0.69	18	10	100	11	5
5/16	8	**T9640535**	211676	3/4	680	0.32	8	0.37	9	1.20	30	0.54	14	0.83	21	0.86	22	10	100	18	8
3/8	10	**T9640635**	211669	1	907	0.38	10	0.43	11	1.44	37	0.67	17	1.00	25	1.05	27	10	100	32	14
1/2	13	**T9640835**	211652	2	1814	0.50	13	0.62	16	1.86	47	0.86	22	1.30	33	1.20	30	5	50	35	16
5/8	16	**T9641035**	211645	3 1/4	2948	0.62	16	0.75	19	2.44	62	1.06	27	1.56	40	1.44	37	1	25	38	17
3/4	20	**T9641235**	211621	4 3/4	4309	0.75	19	0.87	22	2.80	71	1.30	33	2.00	51	1.85	47	1	15	35	16
7/8	22	**T9641435**	211638	6 1/2	5897	0.87	22	1.00	25	3.20	81	1.43	36	2.15	55	2.00	51	1	10	34	15
1	26	**T9641635**	211614	8 1/2	7711	1.00	25	1.12	28	3.75	95	1.68	43	2.55	65	2.37	60	1	5	26	12

Anchor Shackles – Screw Pin Type 316 Stainless Steel





- Forged Type 316 Stainless Steel
- Electro-polished finish
- Imported

Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Tolerances Length ±in.	Tolerances Length ±mm	Tolerances Width ±in.	Tolerances Width ±mm	Dimensions B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	Weight Each lb	Weight Each kg
1/4	6	**6402104**	093654	1000	454	1/16	2	1/16	2	5/16	8	1 1/8	29	1/2	13	3/4	19	11/16	17	0.10	0
5/16	8	**6402105**	093661	1300	590	1/16	2	1/16	2	3/8	10	1 1/4	32	17/32	13	27/32	21	3/4	19	0.16	0
3/8	10	**6402106**	093678	1500	681	1/8	3	1/16	2	7/16	11	1 7/16	37	21/32	17	31/32	25	15/16	24	0.20	0
7/16	11	**6402107**	093685	2000	907	1/8	3	1/16	2	1/2	13	1 3/4	44	23/32	18	1 5/32	29	1 1/8	29	0.50	0
1/2	13	**6402108**	093692	3000	1362	1/8	3	1/16	2	5/8	16	1 15/16	49	13/16	21	1 1/4	32	1 1/4	32	0.72	0
5/8	16	**6402110**	093708	4000	1814	1/8	3	1/16	2	3/4	19	2 7/16	62	1 1/16	27	1 9/16	40	1 7/16	37	1.30	1
3/4	19	**6402112**	093715	6000	2722	1/4	6	1/16	2	7/8	22	2 13/16	71	1 1/4	32	1 13/16	46	1 3/4	44	2.22	1
7/8	22	**6402114**	093722	8000	3629	1/4	6	1/16	2	1	25	3 1/8	79	1 7/16	37	2 1/8	54	2	51	3.28	1

⚠ ADVERTENCIA

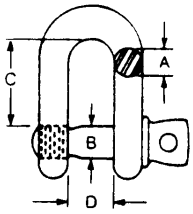
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

422, Chain Shackles-Screw Pin Drop-Forged Carbon Steel

- Standard Material: All shackle bodies are drop forged carbon steel. All pins are alloy steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- Other Features: Meets Federal Specification TR-C-271 Type VII, Class
- 422-G Screw Pin meets the design requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 2

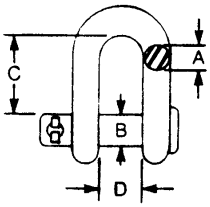


Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Tolerances Length ±in.	Tolerances Length ±mm	Tolerances Width ±in.	Tolerances Width ±mm	Dimensions B in.	Dimensions B mm	Dimensions C in.	Dimensions C mm	Dimensions D in.	Dimensions D mm	Dimensions F in.	Dimensions F mm	Weight/100 lb	Weight/100 kg
1/4	6	**5430435**	076909	1/2	454	1/16	2	1/16	2	5/16	8	7/8	22	15/32	12	11/16	17	11	5
5/16	8	**5430535**	076923	3/4	680	1/16	2	1/16	2	3/8	10	1	25	17/32	13	13/16	21	17	8
3/8	10	**5430635**	076947	1	907	1/8	3	1/16	2	7/16	11	1 1/4	32	21/32	17	15/16	24	30	14
1/2	13	**5430835**	076985	2	1814	1/8	3	1/16	2	5/8	16	1 11/16	43	13/16	21	1 1/4	32	75	34
5/8	16	**5431035**	077005	3 1/4	2948	1/8	3	1/16	2	3/4	19	2	51	1 1/16	27	1 7/16	37	130	59

Fittings

416, Chain Shackles-Round Pin Drop-Forged Carbon Steel

- Standard Material: All shackle bodies are drop-forged carbon steel. All pins are alloy steel
- Standard Finish: Self-colored
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class
- 416-S Round Pin meets the design requirements of Federal Specification RR-C-271, Type IVB, Grade A, Class 1



Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Tolerances Length ±in.	Tolerances Length ±mm	Tolerances Width ±in.	Tolerances Width ±mm	Dimensions B in.	Dimensions B mm	Dimensions C in.	Dimensions C mm	Dimensions D in.	Dimensions D mm	Dimensions F in.	Dimensions F mm	Weight/100 lb	Weight/100 kg
5/16	8	**5420505**	076558	3/4	680	1/16	2	1/16	2	3/8	10	1	25	17/32	13	13/16	21	17	8
3/8	10	**5420605**	076572	1	907	1/8	3	1/16	2	7/16	11	1 1/4	32	21/32	17	15/16	24	30	14
7/16	11	**5420705**	076596	1 1/2	1361	1/8	3	1/16	2	1/2	13	1 1/2	38	23/32	18	1 1/8	29	46	21
1/2	13	**5420805**	076619	2	1814	1/8	3	1/16	2	5/8	16	1 11/16	43	13/16	21	1 1/4	32	75	34

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

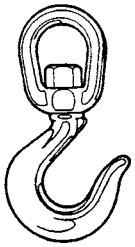
To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Hoist Hooks

1010, 1015-S, G, A Eye Hoist **1013, 1014-S, G, A Swivel Hoist**

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING HOIST HOOKS.

EYE HOIST HOOK



SWIVEL HOIST HOOK

Campbell hoist hooks are all drop-forged and heat treated. All hooks are drilled for latch assembly. Galvanizing is to ASTM A153 specification.

IMPORTANT: Instructions For Use

1. For hooks with latches, the latch is only designed to retain slings and rigging attachments. The latch must not support the load.

2. Swivel hoist hooks are *not* designed to swivel under load.

3. *Do not exceed working load limit* (WLL). See table below.

WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use hoist hooks only as indicated.**
- **Never point load a hook.**
- **Do not use hooks for lifting personnel.**
- **Hooks must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.**
- **Do not weld on hooks. If a hook is exposed to weld spatter, discard that hook.**
- **Always stand clear of loads being lifted.**

Working Load Limits — Swivels

	Carbon Steel WLL		Alloy WLL	
Size	Ton	kg	Ton	kg
2/22	¾	680	1	907
3/23	1	907	1½	1361
4/24	1½	1361	2	1814
5/25	2	1814	3	2722
6/26	2½	2268	4	3629
7/27	3	2722	4½	4082
8/28	4	3629	5½	4989
9/29	5	4536	7	6350
11/31	7½	6804	11	9979
12	9	8165	15	13608
32	10	9072	15	13608
34	15	13608	22	19958

*Item not manufactured

ADVERTENCIA

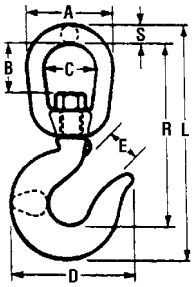
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

1013, Swivel Hoist Hooks

- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits



Size No.	Self Colored Cat. No.	Self Colored UPC No. 020418	Carbon Steel Galvanized Cat. No.	Carbon Steel Galvanized UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Alloy Steel - Painted Orange Cat. No.	Alloy Steel - Painted Orange UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Weight Each lb	Weight Each kg
2	**3940205**	071812	--	--	3/4	680	**3950215**	072253	1	907	0.67	.3
4	**3940405**	071850	--	--	1 1/2	1361	**3950415**	072277	2	1814	1.56	.7
5	**3940505**	071874	--	--	2	1814	**3950515**	072284	3	2722	2.73	1.2
7	**3940705**	071911	--	--	3	2722	**3950715**	072291	4 1/2	4082	4.85	2.2
9	**3940905**	071959	--	--	5	4536	--	--	7	6350	9.63	4.4
11	**3941105**	071997	--	--	7 1/2	6804	**3951115**	072307	11	9979	13.76	6.2
12	**3941205**	*072017	--	--	10	9072	**3951215**	072314	15	13636	19.76	9.0

*These items are made to order

Size No.	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	S in.	S mm	L in.	L mm	R in.	R mm
2	2	51	1	25	1 1/4	32	3	76	1	25	7/8	22	3/8	10	5 1/2	140	4 3/8	111
4	2 1/2	64	1 1/4	32	1 1/2	38	3 9/16	90	1 1/8	29	1	25	1/2	13	7 1/8	181	5 5/8	143
5	3	76	1 5/8	41	1 3/4	44	4	102	1 1/4	32	1 1/8	29	5/8	16	8 9/32	210	6 9/16	167
7	3 1/2	89	1 3/4	44	2	51	4 15/16	125	1 17/32	39	1 5/16	33	3/4	19	9 7/16	240	8	203
9	4 1/2	114	2 1/4	57	2 1/2	64	6 15/32	164	1 15/16	49	1 5/8	41	1	25	12 1/2	318	9 11/16	246
11	5 5/8	143	2 3/4	70	3 1/8	79	7 23/32	196	2 5/16	59	2	51	1 1/4	32	15	381	11 1/2	292
12	5 5/8	143	2 5/8	67	3 1/8	79	7 13/16	198	2 5/16	59	2 1/8	54	1 1/4	32	16 1/32	407	12 1/4	311

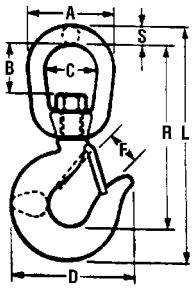
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

1014, Swivel Hoist Hooks — Latched



- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits

Size No.	Self Colored Cat. No.	Self Colored UPC No. 020418	Carbon Steel Galvanized Cat. No.	Carbon Steel Galvanized UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Alloy Steel - Painted Orange Cat. No.	Alloy Steel - Painted Orange UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Weight Each lb	Weight Each kg
2	**3942205**	072031	**3942235**	072048	3/4	680	**3952215**	072321	1	907	0.67	.3
3	**3942305**	072055	**3942335**	072062	1	907	**3952315**	072338	1 1/2	1361	0.67	.3
4	**3942405**	072079	**3942435**	072086	1 1/2	1361	**3952415**	072345	2	1814	1.56	.7
5	**3942505**	072093	**3942535**	072109	2	1814	**3952515**	072352	3	2722	2.73	1.2
7	**3942705**	072130	**3942735**	072147	3	2722	**3952715**	072369	4 1/2	4082	4.85	2.2
9	**3942905**	072178	**3942935**	072185	5	4536	--	--	7	6350	9.63	4.4
11	--	--	--	--	--	--	**3953115**	072376	11	9979	13.76	6.2
12	**3943205**	072239	--	--	10	9072	**3953215**	072383	15	13636	19.76	9.0

Size No.	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	S in.	S mm	L in.	L mm	R in.	R mm
2	2	51	1	25	1 1/4	32	3	76	1	25	7/8	22	3/8	10	5 1/2	140	4 3/8	111
3	2 1/2	64	1 1/4	32	1 1/2	38	3 3/16	81	1 1/16	27	31/32	25	1/2	13	6 5/8	168	5 1/4	133
4	2 1/2	64	1 1/4	32	1 1/2	38	3 9/16	90	1 1/8	29	1	25	1/2	13	7 1/8	181	5 5/8	143
5	3	76	1 5/8	41	1 3/4	44	4	102	1 1/4	32	1 1/8	29	5/8	16	8 9/32	210	6 9/16	167
7	3 1/2	89	1 3/4	44	2	51	4 15/16	125	1 17/32	39	1 5/16	33	3/4	19	9 7/16	240	8	203
9	4 1/2	114	2 1/4	57	2 1/2	64	6 15/32	164	1 15/16	49	1 5/8	41	1	25	12 1/2	318	9 11/16	246
11	5 5/8	143	2 3/4	70	3 1/8	79	7 23/32	196	2 5/16	59	2	51	1 1/4	32	15	381	11 1/2	292
12	5 5/8	143	2 5/8	67	3 1/8	79	7 13/16	198	2 5/16	59	2 1/8	54	1 1/4	32	16 1/32	407	12 1/4	311

⚠ ADVERTENCIA

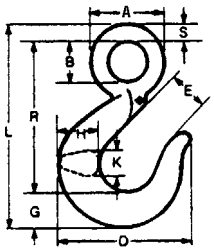
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

1010, Eye Hoist Hooks-Regular

- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored. Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits



Size No.	Carbon Steel – Self Colored				Alloy Steel – Painted Orange				Weight Each	
	Cat. No.	UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Cat. No.	UPC No. 020418	Working Load Limit ton	Working Load Limit kg	lb	kg
27	--	--	3	2722	**3922715**	071676	4½	4082	3.50	1.59
29	**3912905**	071256	5	4536	**3922915**	071683	7	6350	7.30	3.31
31	**3913105**	071294	7½	6804	**3923115**	071690	11	9979	12.00	5.45
32	**3913205**	071317	10	9072	**3923215**	071706	15	13608	17.60	7.99
34	--	--	--	--	**3923415**	071713	22	19958	35.10	15.94

Size No.	A		B		D		E		F		G		H		K		L		R		S	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
27	2 15/16	75	1 9/16	40	4 15/16	125	1 17/32	39	1 5/16	33	1 7/16	37	1 5/8	41	1 1/16	27	7 25/32	198	5 21/32	144	11/16	17
29	3 3/4	95	2	51	6 15/32	164	1 15/16	49	1 21/32	42	1 13/16	46	2 1/8	54	1 11/32	34	9 7/8	251	7 3/16	183	7/8	22
31	4 1/4	108	1 25/32	45	7 3/16	183	2 1/8	54	1 7/8	48	2	51	2 3/8	60	1 1/2	38	10 1/2	267	7 1/2	191	1	25
32	4 7/8	124	2 13/32	61	8 9/16	217	2 9/16	65	2 1/8	54	2 9/16	65	2 15/16	75	1 13/16	46	13	330	9 3/16	233	1 1/4	32
34	6 3/8	162	3 5/32	80	11 7/16	291	3 7/16	87	3 5/32	80	3 7/32	82	3 25/32	96	2 7/32	56	16 29/32	429	12 1/16	306	1 5/8	41

Fittings

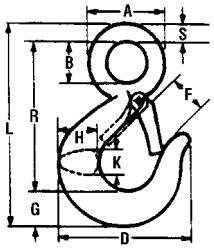
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

1015, Eye Hoist Hooks — Latched



- Standard Material: Drop-forged carbon steel or alloy and heat treated
- Standard Finish: Self-colored or galvanized to ASTM A-153 specification
- Alloy hooks are painted orange
- Design Factor: 5 to 1 for carbon steel; 4 to 1 for alloy steel
- Other Features: All hooks are drilled for latch kits

Size No.	Self Colored Cat. No.	Self Colored UPC No. 020418	Carbon Steel Galvanized Cat. No.	Carbon Steel Galvanized UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Alloy Steel - Painted Orange Cat. No.	Alloy Steel - Painted Orange UPC No. 020418	Working Load Limit ton	Working Load Limit kg	Weight Each lb	Weight Each kg
22	**3914205**	071379	**3914235**	071386	3/4	680	**3924215**	071720	1	907	.54	.25
23	**3914305**	071393	**3914335**	071409	1	907	**3924315**	071737	1 1/2	1361	.72	.33
24	**3914405**	071416	**3914435**	071423	1 1/2	1361	**3924415**	071744	2	1814	1.04	.47
25	**3914505**	071430	**3914535**	071447	2	1814	**3924515**	071751	3	2722	1.45	.66
26	**3914605**	071454	**3914635**	071461	2 1/2	2268	--	--	--	--	2.24	1.02
27	**3914705**	071478	**3914735**	071485	3	2722	**3924715**	071768	4 1/2	4082	3.50	1.59
28	**3914805**	071492	--	--	4	3629	--	--	--	--	4.90	2.22
29	**3914905**	071515	--	--	5	4536	**3924915**	071775	7	6350	7.30	3.31
31	**3915105**	071553	--	--	7 1/2	6804	**3925115**	071782	11	9979	12.00	5.45
32	**3915205**	071577	--	--	10	9072	**3925215**	071799	15	13608	17.60	7.99
34	--	--	--	--	--	--	**3925415**	071805	22	19958	35.10	15.94

Size No.	A in.	A mm	B in.	B mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	K in.	K mm	L in.	L mm	R in.	R mm	S in.	S mm
22	1 11/16	43	15/16	24	2 31/32	75	1 1/32	26	29/32	23	25/32	20	29/32	23	9/16	14	4 7/16	113	3 9/32	83	3/8	10
23	1 13/16	46	15/16	24	3 3/16	81	1 1/16	27	31/32	25	27/32	21	31/32	25	5/8	16	4 21/32	118	3 3/8	86	7/16	11
24	2 1/8	54	1 1/8	29	3 9/16	90	1 1/8	29	1 1/32	26	1 1/32	26	1 1/8	29	11/16	17	5 9/32	134	3 3/4	95	1/2	13
25	2 3/8	60	1 1/4	32	4	102	1 1/4	32	1 1/8	29	1 5/32	29	1 5/16	33	13/16	21	5 7/8	149	4 5/32	106	9/16	14
26	2 11/16	68	1 3/8	35	4 1/2	114	1 13/32	36	1 7/8	31	1 5/16	33	1 1/2	38	15/16	24	6 11/16	170	4 23/32	120	21/32	17
27	2 15/16	75	1 9/16	40	4 15/16	125	1 17/32	39	1 5/16	33	1 7/16	37	1 5/8	41	1 1/16	27	7 25/32	198	5 21/32	144	11/16	17
28	3 1/8	79	1 17/32	39	5 27/32	148	1 5/32	45	1 1/2	38	1 5/8	41	1 15/16	49	1 3/16	30	8 5/8	219	6 3/16	157	13/16	21
29	3 3/4	95	2	51	6 15/32	164	1 15/16	49	1 21/32	42	1 13/16	46	2 1/8	54	1 11/32	34	9 7/8	251	7 3/16	183	7/8	22
31	4 1/4	108	1 25/32	45	7 3/16	183	2 1/8	54	1 7/8	48	2	51	2 3/8	60	1 1/2	38	10 1/2	267	7 1/2	191	1	25
32	4 7/8	124	2 13/32	61	8 9/16	217	2 9/16	65	2 1/8	54	2 9/16	65	2 15/16	75	1 13/16	46	13	330	9 3/16	233	1 1/4	32
34	6 3/8	162	3 5/32	80	11 7/16	291	3 7/16	87	3 5/32	80	3 7/32	82	3 25/32	96	2 7/32	56	16 29/32	429	12 1/16	306	1 5/8	41

⚠ ADVERTENCIA

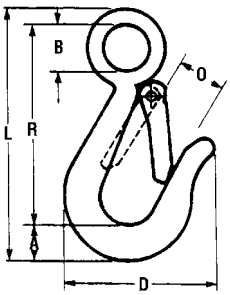
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

478-G Snap Hooks

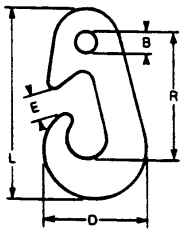
- Standard Material: Drop-forged carbon steel heat treated
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1



Hook Size A		Packed Each		Box of 10		Working Load Limit		Dimensions										Weight Each	
		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418			B		D		L		O		R			
in.	mm					lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
7/16	11	**4530735**	074196	**4530734**	176722	750	340	3/4	19	2 7/16	62	4 1/16	103	21/32	17	3 1/4	83	28	12
9/16	14	**4530935**	074202	--	--	1000	454	1 1/8	29	2 31/32	75	5 1/32	128	1	25	4 1/32	102	45	20

Cargo Hooks, 481-S, (Portland Pattern)

- Standard Material: Drop-forged carbon steel
- Standard Finish: Blue Paint Finish
- Design Factor: 5 to 1
- Other Features: Proof tested and certified

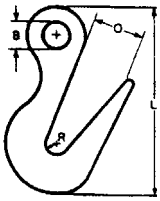


Size	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions										Weight Each	
					B		D		E		L		R			
			ton	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
23	**TF3899523**	155963*	10	9072	1 17/32	39	7	178	1 3/4	44	12 7/8	327	8 5/8	219	14.5	7

*These items are made to order.

Sorting Hooks, 479-S

- Standard Material: Drop-forged alloy steel heat treated
- Standard Finish: Painted orange
- Design Factor: 5 to 1
- Sorting hook available with handle for better control
- **Handle not to be used for supporting load**



3899501

3899500

Cat. No.	UPC No. 020418	Working Load Limit				Dimensions								Weight/ 100	
		Tip		Bottom		B		L		R		O			
		ton	kg	ton	kg	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3899500	070723	2	1814	7 1/2	6804	1 3/8	35	9 3/4	248	5/8	16	2 13/16	71	600	272
3899501	193040	2	1814	7 1/2	6804	1 3/8	35	9 3/4	248	5/8	16	2 13/16	71	612	277

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Latch Kits For Hooks

916-G **Campbell Latch Kit**
916-U **Universal Latch Kit**

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING HOOK AND LATCH.

916-G LATCH KIT
FOR CAMPBELL HOOK

916-U UNIVERSAL LATCH KIT –
FOR ALL MAJOR HOOK BRANDS

IMPORTANT: Instructions For Use

1. *Always* inspect the hook and latch before using.

2. *Always* make sure the spring forces the latch against the point of the hook.

3. Check the load before lifting to make sure the hook (not the latch) is supporting the load.

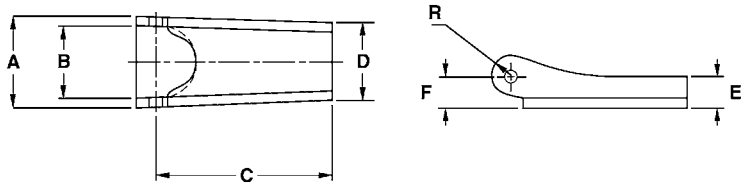
4. To assemble latches on hooks, follow instructions supplied with latch kit.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Loads may disengage from hook if proper procedures are not followed.**
- **A falling load may cause serious injury or death.**
- **The load must never be supported by the latch.**
- **Latches must always be inspected for wear or damage before use. If worn, distorted or damaged, discard and replace.**
- **Always stand clear of loads being lifted.**

Campbell offers latches already assembled to the hook as well as kits for field installation.

- Universal kits fit Campbell as well as competitive hooks, including Crosby and Midland, that are drilled for latches
- Spring spacer adapts latch to hooks with narrow cam
- Bolt and nut permit fast, easy installation



Size		Size	916-G Kit		Universal Kit		Dimensions														Weight/ 100	
			Cat.	UPC No.	Cat.	UPC No.	A		B		C		D		E		F		R			
in.	mm	No.	No.	020418	No.	020418	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	2-22	**3990101**	072727	**3991401**	177088	23/32	18	9/16	14	1 1/4	32	5/8	16	1/4	6	1/4	6	5/32	4	3.3	1
5/16	8	3-23	**3990201**	072734	**3991402**	177095	23/32	18	9/16	14	1 3/8	39	39/64	16	1/4	6	1/4	6	5/32	4	3.7	2
--	--	4-24	**3990301**	072741	**3991403**	177101	15/16	24	25/32	20	1 17/32	43	15/16	24	9/32	7	9/32	7	3/16	5	5	2
3/8	10	5-25	**3990401**	072758	**3991404**	177118	15/16	24	25/32	20	1 11/16	43	15/16	24	9/32	7	9/32	7	3/16	5	5.6	3
--	--	6-26	**3990501**	072765	--	--	15/16	24	25/32	20	1 31/32	50	15/16	24	9/32	7	9/32	7	3/16	5	6.2	3
7/16	11	7-27	**3990601**	072772	**3991405**	177125	15/16	24	25/32	20	1 7/8	48	15/16	24	9/32	7	9/32	7	3/16	5	6.5	3
--	--	8-28	**3990701**	072789	--	--	1 9/32	32	1	25	2 3/8	60	1 9/32	32	3/8	10	9/16	14	17/64	7	12	5
1/2	13	9-29	**3990801**	072796	**3991406**	177132	1 9/32	32	1	25	2 11/16	68	1 9/32	32	3/8	10	9/16	14	17/64	7	16.5	7
--	--	10-30	**3990901**	072802	--	--	1 9/32	32	1	25	2 31/32	75	1 9/32	32	3/8	10	9/16	14	17/64	7	18.2	8
5/8	16	11-31	**3991001**	072819	**3991407**	177149	1 9/32	32	1	25	3 7/32	82	1 9/32	32	3/8	10	9/16	14	17/64	7	36	16
--	--	12-32	**3991101**	072826	**3991408**	177156	2	51	1 17/32	39	3 7/16	87	1 5/8	41	9/16	14	23/32	18	3/8	10	52	24
--	--	34	--	--	**3991409**	177163	2 3/16	56	1 3/4	45	4 11/32	110	1 3/4	45	9/16	14	11/16	18	13/32	10	70.7	32

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

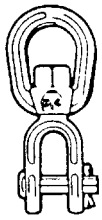
To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Swivels

272-G **Eye & Eye**
275-G **Jaw & Eye**

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SWIVELS.

EYE AND EYE SWIVEL



JAW AND EYE SWIVEL

IMPORTANT: Instructions For Use

1. These swivels are designed for a straight line pull only.
2. These swivels are *not* designed to swivel under load.
3. *Do not exceed working load limit* (WLL). See table below.

Working Load Limits - Swivels

Size		Carbon WLL	
in.	mm	lb	kg
1/4	6	850	386
5/16	8	1250	568
3/8	10	2250	1022
1/2	13	3600	1634
5/8	16	5200	2361
3/4	19	7200	3269
7/8	22	10,000	4540
1	25	12,500	5675
1 1/4	32	18,000	8172

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use swivels only as indicated.**
- **Swivels must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.**
- **Always stand clear of loads being lifted.**
- **Do not angle load.**

Campbell carbon swivels are all drop-forged and normalized. They meet the design requirements of Federal Specification RR-C-271. Galvanizing is to ASTM A153 specification.

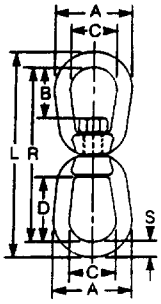
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

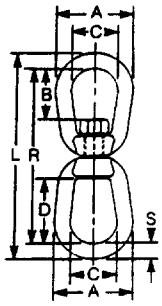
272-G, Eye & Eye Swivels Drop-Forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class 2

Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	L in.	L mm	R in.	R mm	Weight/100 lb	Weight/100 kg
1/4	6	**3630435**	069901	850	386	1 1/4	32	3/4	19	3/4	19	1 1/16	27	3 3/8	86	2 7/8	73	15.5	7.0
5/16	8	**3630535**	069918	1250	567	1 5/8	41	3/4	19	1	25	1 1/4	32	4 1/8	105	3 5/8	92	28.5	12.9
3/8	10	**3630635**	069925	2250	1021	2	51	1	25	1 1/4	32	1 1/2	38	5	127	4 1/4	108	59	26.8
1/2	13	**3630835**	069932	3600	1633	2 1/2	64	1 1/4	32	1 1/2	38	1 15/16	49	6 3/4	171	5 3/4	146	124	56.3
5/8	16	**3631035**	069949	5200	2359	3	76	1 5/8	41	1 3/4	44	2 3/8	60	8	203	6 3/4	171	238	108.1
3/4	19	**3631235**	069956	7200	3266	3 1/2	89	1 3/4	44	2	51	2 1/2	64	8 3/4	222	7 1/4	184	365	165.7
7/8	22	**3631435**	069963	10000	4536	4	102	2 1/8	54	2 1/4	57	3 1/16	78	10 3/8	264	8 3/4	222	568	257.9
1	25	**3631635**	069970	12500	5670	4 1/2	114	2 1/4	57	2 1/2	64	3 1/2	89	11 3/4	298	9 3/4	248	891	404.5
1 1/4	32	**3632035**	069987	18000	8165	5 5/8	143	3 1/4	83	3 1/8	79	3 7/8	98	13 15/16	354	11 1/2	292	1627	738.7

Eye & Eye Swivels (Imported)



- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- UPC tagged

Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions S in.	S mm	C in.	C mm	D in.	D mm	R in.	R mm	Shelf Pack	Case Pack	Weight/100 lb	Weight/100 kg
3/16	6	**T9630335**	211560	700	318	0.20	5	0.71	18	0.81	21	2.50	64	5	50	6	3
1/4	7	**T9630435**	211577	850	386	0.25	6	0.73	19	1.00	25	3.00	76	5	50	10	5
5/16	8	**T9630535**	211584	1,250	567	0.32	8	0.97	25	1.22	31	3.50	89	5	50	19	9
3/8	10	**T9630635**	211591	2,250	1,021	0.44	11	1.20	30	1.34	34	4.20	107	5	25	17	8
1/2	13	**T9630835**	211607	3,600	1,633	0.55	14	1.45	37	1.88	48	5.44	138	5	25	35	16

⚠ ADVERTENCIA

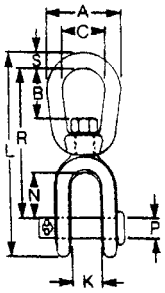
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

275-G, Jaw & Eye Swivels
Drop-Forged Carbon Steel - Galvanized

- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class 3

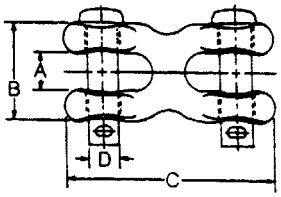


Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	A in.	A mm	B in.	B mm	C in.	C mm	K in.	K mm	L in.	L mm	N in.	N mm	P in.	P mm	R in.	R mm	Weight/100 lb	Weight/100 kg
1/4	6	**3640435**	069994	850	386	1 1/4	32	3/4	19	3/4	19	1/2	13	3 5/32	80	3/4	19	1/4	6	2 7/16	62	21	10
5/16	8	**3640535**	070006	1250	567	1 5/8	41	3/4	19	1	25	1/2	13	3 3/4	95	13/16	21	5/16	8	2 7/8	73	32	15
3/8	10	**3640635**	070013	2250	1021	2	51	1	25	1 1/4	32	11/16	17	4 5/8	117	1 1/16	27	3/8	10	3 1/2	89	71	32
1/2	13	**3640835**	070020	3600	1633	2 1/2	64	1 1/4	32	1 1/2	38	3/4	19	6 1/8	156	1 3/8	35	1/2	13	4 11/16	119	122	55
5/8	16	**3641035**	070037	5200	2359	3	76	1 5/8	41	1 3/4	44	15/16	24	7 3/8	187	1 1/2	38	5/8	16	5 1/2	140	228	104
3/4	19	**3641235**	070044	7200	3266	3 1/2	89	1 3/4	44	2	51	1 1/8	29	8	203	1 3/4	44	3/4	19	5 7/8	149	345	157
7/8	22	**3641435**	070051	10000	4536	4	102	2 1/8	54	2 1/4	57	1 3/16	30	9 3/8	238	2 1/16	52	7/8	22	7	178	564	256
1	25	**3641635**	070068	12500	5670	4 1/2	114	2 1/4	57	2 1/2	64	1 3/4	44	11 7/16	291	2 7/16	62	1 1/8	29	8 5/8	219	933	424
1 1/4	32	**3642035**	070075	18000	8165	5 5/8	143	3 1/4	83	3 1/8	79	2 1/16	52	12	305	2 13/16	71	1 3/8	35	8 7/16	214	1651	750

Fittings

Twin Clevis Link, 489-G
Drop-forged Carbon Steel, Heat Treated

- Standard Material: Drop-forged carbon steel heat treated
- Standard Finish: Clevis and bolts are galvanized to ASTM A-153 specification cotter keys are stainless steel
- Design Factor: 3 to 1



Size in.	Size mm	Size in.	Size mm	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	Pieces Per Box	Weight/100 lb	Weight/100 kg
1/4	7	5/16	8	**3643300**	175978	3900	1769	7/16	11	1 1/16	27	2 1/2	64	3/8	10	10	3.6	2
3/8	10	-	-	**3643301**	175985	5400	2449	1/2	13	1 5/16	33	2 27/32	72	7/16	11	10	6.0	3
7/16	11	1/2	13	**3643302**	175992	9200	4173	5/8	16	1 5/8	41	3 5/8	92	9/16	14	5	5.7	3

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

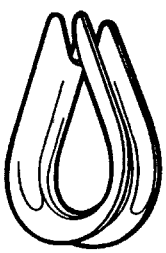
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

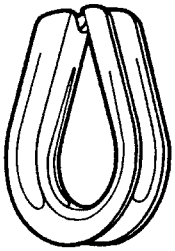
Thimbles

765-G	**Heavy Wire Rope**	**Stainless Regular Wire Rope**
83-G	**Manila Rope**	**Stainless Heavy Wire Rope**

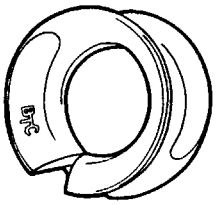
READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THIMBLES.



REGULAR WIRE ROPE THIMBLE



HEAVY WIRE ROPE THIMBLE



MANILA ROPE THIMBLE

Campbell® thimbles are all made of hot rolled, mild steel. They are all galvanized to ASTM A-153 Specification.

Campbell stainless regular thimbles are made of type 304 stainless steel, while the stainless heavy thimbles are made of type 316 stainless.

IMPORTANT: Instructions For Use

1. A thimble is a wear pad that protects the rope from cuts and kinking. Always use an appropriate thimble when making an eye in a rope.

2. When it is necessary to open a thimble to insert a fitting, make sure the points are properly aligned when the thimble is closed. Inspect carefully for cracks.

3. *Thimbles are not designed for load carrying purposes;* therefore working load limits have not been established.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Thimbles must always be inspected for cracks and wear before use. If worn, distorted or damaged, discard and replace.**
- **Use thimbles only as indicated.**
- **The thimble size must exactly correspond to the diameter of the rope being used. Never use a smaller thimble, because it will pinch the rope and cause broken and/or displaced wires.**

⚠ ADVERTENCIA

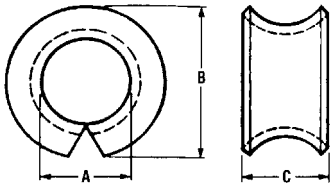
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Manila Rope Thimbles, 83-G Hot Rolled, Mild Steel

- Standard Material: Hot rolled, mild steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Other Features: Meets design requirements of Federal Specifications FF-T-276B, Type 1



For Rope Dia. in.	For Rope Dia. mm	Cat. No.	UPC No. 020418	Maximum Pin Dia. in.	Maximum Pin Dia. mm	Dimensions A in.	Dimensions A mm	Dimensions B in.	Dimensions B mm	Dimensions C in.	Dimensions C mm	Weight/100 lb	Weight/100 kg
3/8	10	**6260301**	091827	7/16	11	1/2	13	1	25	1/2	13	3	1
1/2	13	**6260302**	091834	11/16	17	3/4	19	1 5/16	33	23/32	18	8	4
5/8	16	**6260303**	091841	13/16	21	7/8	22	1 1/2	38	3/4	19	11	5
3/4	19	**6260304**	091858	1 1/16	27	1 1/8	29	1 13/16	46	31/32	25	16	7
7/8	22	**6260305**	091865	1 1/8	29	1 3/16	30	2	51	1 1/32	26	21	10

Regular Wire Rope Thimbles, Type 304 Stainless Steel

- Standard Material: Forged Type 304 Stainless Steel
- Standard Finish: Electro-polish

For Rope Dia. in.	For Rope Dia. mm	Cat. No.	UPC No. 020418	Overall Thickness in.	Overall Thickness mm	Overall Length in.	Overall Length mm	Inside Width in.	Inside Width mm	Weight/100 lb	Weight/100 kg
1/8	3	**6407502**	095375	9/32	7	1 3/4	44	23/32	18	3	1
3/16	5	**6407503**	095382	11/32	9	1 3/4	44	23/32	18	3	1
1/4	6	**6407504**	095399	3/8	10	1 7/8	48	23/32	18	5	2
5/16	8	**6407505**	095405	7/16	11	2 3/32	53	27/32	21	5	2
3/8	9	**6407506**	095412	9/16	14	2 1/4	57	31/32	25	8	4
1/2	12	**6407508**	095429	21/32	17	2 1/2	64	1 5/32	29	14	6

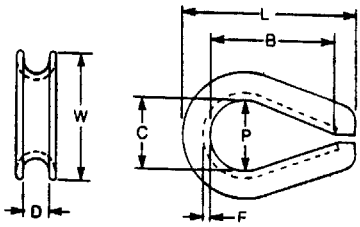
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Heavy Wire Rope Thimbles, 765-G Hot Rolled, Mild Steel



- Standard Material: Hot rolled, mild steel
- Galvanized

For Rope Dia. in.	For Rope Dia. mm	For Rope Dia. in.	For Rope Dia. mm	Cat. No.	UPC No. 020418	Dimensions B in.	B mm	C in.	C mm	D in.	D mm	F in.	F mm	L in.	L mm	P (pin) in.	P (pin) mm	W in.	W mm	Weight/100 lb	Weight/100 kg
1/4	6	-	-	**6260201**	091711	1 5/8	41	7/8	22	9/32	7	1/16	2	2 1/8	54	13/16	21	1 1/2	38	7	3
5/16	8	-	-	**6260202**	091728	1 7/8	48	1 1/16	27	3/8	10	5/64	2	2 1/2	64	15/16	24	1 13/16	46	12	5
3/8	10	-	-	**6260203**	091735	2 1/8	54	1 1/8	29	7/16	11	7/64	3	3	76	1 1/16	27	2 1/8	54	23	10
7/16	11	-	-	**6260204**	091742	2 1/4	57	1 1/4	32	1/2	13	1/8	3	3 1/16	78	1 3/16	30	2 3/8	60	27	12
1/2	13	9/16	14	**6260205**	091759	2 3/4	70	1 1/2	38	5/8	16	9/64	4	3 5/8	92	1 7/16	37	2 11/16	68	49	22
5/8	16	-	-	**6260206**	091766	3 1/4	83	1 3/4	44	11/16	17	5/32	4	4 1/4	108	1 5/8	41	3 1/8	79	72	33
3/4	19	-	-	**6260207**	091773	3 3/4	95	2	51	13/16	21	7/32	6	5	127	1 7/8	48	3 13/16	97	141	64
7/8	22	-	-	**6260208**	091780	4 1/4	108	2 1/4	57	15/16	24	7/32	6	5 1/2	140	2 1/8	54	4 1/4	108	185	84
1	25	-	-	**6260209**	091797	4 1/2	114	2 1/2	64	1 1/16	27	1/4	6	6 1/8	156	2 3/8	60	4 15/16	125	300	136
1 1/8	29	1 1/4	29	**6260210**	091803	5 1/8	130	2 7/8	73	1 5/16	33	1/4	6	7	178	2 3/4	70	5 7/8	149	368	167
1 3/8	35	1 1/2	38	**6260211**	091810	6 1/4	159	3 1/2	89	1 9/16	40	1/2	13	9	229	3 3/8	86	7 1/8	181	1214	551

Heavy Wire Rope Thimbles, Type 316 Stainless Steel

- Standard Material: Type 316 Stainless Steel
- Standard Finish: Electro-polish

For Rope Dia. in.	For Rope Dia. mm	Cat. No.	UPC No. 020418	Overall Thickness in.	Overall Thickness mm	Overall Length in.	Overall Length mm	Inside Width in.	Inside Width mm	Weight/100 lb	Weight/100 kg
1/4	6	**6407604**	095436	13/32	10	2 3/16	56	7/8	22	7.5	3
5/16	8	**6407605**	095443	1/2	13	2 1/2	64	1 1/16	27	14	6
3/8	9	**6407606**	095450	21/32	17	2 7/8	73	1 1/8	29	25	11
1/2	12	**6407608**	095467	27/32	21	3 5/8	92	1 1/2	38	51	23
5/8	15	**6407610**	095474	1	25	4 1/4	108	1 3/4	44	75	34
3/4	19	**6407612**	095481	1 1/4	32	5	127	2	51	147	67

Note: Thimbles are not designed for load carrying purposes; therefore, working load limits have not been established.

⚠ ADVERTENCIA

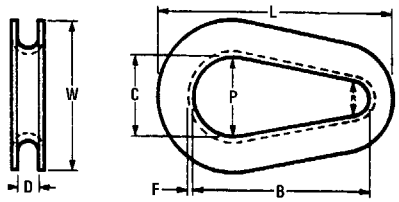
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Slip-Thru Thimbles, 745-S Hot Rolled, Mild Steel

- Standard Material: Hot rolled, mild steel
- Standard Finish: Painted blue



Size No.	For Rope Dia. in.	mm	in.	mm	Cat. No.	UPC No. 020418	Weight/100 lb	kg
3	7/16	11	1/2-9/16	13-14	**6265402**	092176	125	57
4	5/8	16	3/4	19	**6265403**	092183	235	107
4-Spec	5/8	16	3/4	19	**6265404**	092190	295	134

	Dimensions															
	B		C		D		F		L		P (max pin dia.)		R		W	
Style	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
3	4 7/8	124	2 1/4	57	11/16	17	5/32	4	6 1/2	165	2 3/16	56	1	25	4 1/2	114
4	5 7/8	149	2 9/16	65	13/16	21	11/64	4	8 3/16	208	2 1/2	64	1 3/16	30	5 1/8	130
4-Spec	7 5/8	194	3 5/8	92	13/16	21	3/16	5	9 15/16	252	3 9/16	90	1 3/16	30	6 3/8	162

Fittings

⚠ ADVERTENCIA

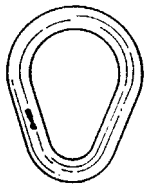
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

821-S, G, A Weldless Sling Links

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THESE LINKS.



SLING LINK

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use links only as indicated.**
- **Links must always be inspected for wear and distortion before use. If worn, distorted or damaged, discard and replace.**
- **Do not weld on these links.**
- **Always stand clear of loads being lifted.**

Campbell® links are all drop-forged and heat treated. Galvanizing is to ASTM A-153 specification.

IMPORTANT: Instructions For Use

1. Make sure the link has a working load limit compatible with that of the chain or wire rope with which it is used.
2. *Do not exceed WLL* See table below.
3. The WLL can be significantly reduced under the following conditions:

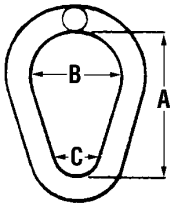
   Wear and/or Distortion
   Extreme Heat
   Weld Spatter

If link is exposed to any of these conditions, discard it.

Working Load Limits (lb and kg) - Links

Size		Sling Link Carbon WLL		Sling Link Alloy WLL	
in.	mm	lb	kg	lb	kg
3/8	10	1600	726	2600	1180
1/2	13	2900	1317	4000	1816
5/8	16	4200	1907	5800	2633
3/4	19	6000	2724	8200	3723
7/8	22	8300	3768	--	--
1	25	10800	4903	--	--

821-S, 821-G, 821-A Weldless Sling Links



- Standard Material: Drop-forged steel, heat treated
- Design Factor: 6 to 1

Carbon Steel, Heat Treated

Size		Blue Painted		Galvanized		Working Load Limit		Dimensions A		Dimensions B		Dimensions C		Weight Each	
		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418										
in.	mm					lb	kg	in.	mm	in.	mm	in.	mm	lb	kg
3/8	10	**3625115**	069703	**3625135**	069710	1600	726	2 1/4	57	1 1/2	38	3/4	19	.3	.14
1/2	13	**3625215**	069727	**3625235**	069734	2900	1315	3	76	2	51	1	25	.6	.27
5/8	16	**3625315**	069741	**3625335**	069758	4200	1905	3 3/4	95	2 1/2	64	1 1/4	32	1.1	.50
3/4	19	**3625415**	069765	**3625435**	069772	6000	2722	4 1/2	114	3	76	1 1/2	38	1.9	.86
7/8	22	**3625515**	069789	**3625535**	069796	8300	3765	5 1/4	133	3 1/2	89	1 3/4	44	2.9	1.32
1	25	**3625615**	069802	**3625635**	069819	10800	4899	6	152	4	102	2	51	4.4	2.00

⚠ ADVERTENCIA

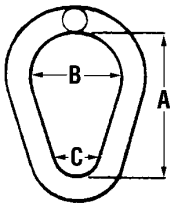
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

821-S, 821-G, 821-A Weldless Sling Links, continued

- Standard Material: Drop-forged steel, heat treated
- Design Factor: 6 to 1



Alloy, Orange Painted															
Size		Orange Painted		Working Load Limit		Dimensions								Weight Each	
		Cat. No.	UPC No. 020418			A		B		C					
in.	mm			lb	kg	in.	mm	in.	mm	in.	mm			lb	kg
⅜	10	**3626115**	069826	2600	1180	2¼	57	1½	38	¾	19			.3	.14
½	13	**3626215**	069833	4000	1814	3	76	2	51	1	25			.6	.27
⅝	16	**3626315**	069840	5800	2631	3¾	95	2½	64	1¼	32			1.1	.50
¾	19	**3626415**	069857	8200	3720	4½	114	3	76	1½	38			1.9	.86

⚠ ADVERTENCIA

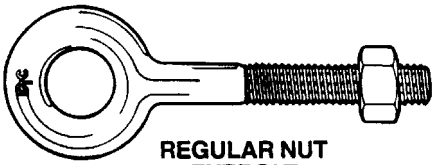
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Eyebolts, 436-G Regular Nut

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS AND FOLLOW ALL EYEBOLT SAFETY INFORMATION PRESENTED HERE BEFORE USING EYEBOLT ASSEMBLIES.



REGULAR NUT EYEBOLT

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Loads may slip or fail if proper eyebolt assembly and lifting procedures are not used.**
- **A falling load can seriously injure or kill.**
- **Eyebolts must always be inspected for wear and distortion before use. If worn, distorted or damaged, discard and replace.**
- **Do not use regular nut eyebolts for angular lifting.**
- **Never machine, cut or grind an eyebolt.**
- **Always stand clear of loads being lifted.**

Campbell carbon steel eyebolts are all drop-forged and normalized. Galvanizing is to ASTM A-153 specification.

IMPORTANT: Instructions For Use

1. Make sure the eyebolt is properly seated by screwing it down completely and tightening the nut securely against the load.

2. An eyebolt must be installed into a tapped hole with a minimum depth of two times the shank diameter.

3. Make sure the threads on the shank and in the hole are clean and undamaged.

4. Loads must always be applied parallel to the plane of the eye and never across the plane of the eye.

5. Always lift the load with a steady, even pull. Do not shock load.

6. *Do not exceed working load limit* (WLL). See table below. The standard WLL's are established for a vertical pull.

7. When using lifting slings having two or more legs, make sure the load on each leg is calculated based on the angular loading. The shoulder nut eyebolt with the correct WLL under those conditions must be used. For angular loading, a shoulder nut eyebolt must be used.

8. Use only the heavy hex nuts supplied with the eyebolts.

Effect of Angular Loading on WLL of Carbon Steel, Shoulder Nut Eyebolts

Shank Dia.		Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	
3/8	10	1250	568	685	311	435	197	310	141	NOT RECOMMENDED
1/2	13	2250	568	1235	561	785	356	560	254	
5/8	16	3600	1634	1980	899	1260	572	900	409	
3/4	19	5200	2361	2860	1298	1820	826	1300	590	

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

436-G Nut Eyebolts, Galvanized

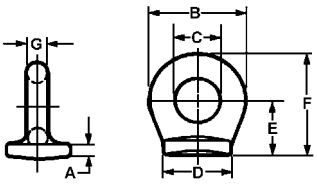
- Standard Material: Drop-forged carbon steel
- Working load limits apply only to eyebolts in lifting or pulling applications
- Galvanizing to ASTM A-153 specification
- Note: If angular loading is necessary, eyebolts are to be used at reduced loads (see illustration)

436-G
Regular Nut

Shank Dimensions Dia. in.	Shank Dimensions Dia. mm	Shank Dimensions Length in.	Shank Dimensions Length mm	Regular Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions A in.	Dimensions A mm	Dimensions B in.	Dimensions B mm	Thread Length in.	Thread Length mm	Weight/100 lb	Weight/100 kg
3/8	10	4 1/2	114	**7150106**	100789	1250	567	3/4	19	1 1/2	38	2 1/2	64	27 1/2	12
3/8	10	6	152	**7150107**	100796	1250	567	3/4	19	1 1/2	38	3	76	32	15
1/2	13	3 1/4	83	**7150108**	100802	2250	1021	1	25	2	51	1 1/2	38	54	25
1/2	13	6	152	**7150109**	100819	2250	1021	1	25	2	51	3	76	68 3/4	31
1/2	13	10	254	**7150111**	100833	2250	1021	1	25	2	51	3	76	88	40
1/2	13	12	305	**7150112**	100840	2250	1021	1	25	2	51	4	102	100	45
5/8	16	6	152	**7150114**	100864	3600	1633	1 1/4	32	2 1/2	64	3	76	120	54
5/8	16	8	203	**7150115**	100871	3600	1633	1 1/4	32	2 1/2	64	3	76	131	59
5/8	16	10	254	**7150116**	100888	3600	1633	1 1/4	32	2 1/2	64	3	76	152	69
5/8	16	12	305	**7150117**	100895	3600	1633	1 1/4	32	2 1/2	64	4	102	168	76
3/4	19	6	152	**7150119**	100918	5200	2359	1 1/2	38	3	76	3	76	190	86
3/4	19	8	203	**7150120**	100925	5200	2359	1 1/2	38	3	76	3	76	208	94
3/4	19	10	254	**7150121**	100932	5200	2359	1 1/2	38	3	76	3	76	230	104
3/4	19	12	305	**7150122**	100949	5200	2359	1 1/2	38	3	76	4	102	255	116
3/4	19	15	381	**7150123**	100956	5200	2359	1 1/2	38	3	76	5	127	290	132

20-S, Pad Eyes, Carbon Steel

- Uses: Widely used on farm machinery, trucks, steel hulled marine vessels and material handling equipment
- Standard Material: Drop-forged C-1038 carbon steel
- Standard Finish: Self-colored



Size in.	Size mm	Cat. No.	UPC No. 020418	Dimensions A		B		C in.	C mm	D in.	D mm	E in.	E mm	F		G		Weight/100 lb	Weight/100 kg
1 1/2	38	**7105301**	100697	5/32	4	1 1/8	29	5/8	16	1	25	3/4	19	1 5/16	33	1/4	6	8	4
2	51	**7105302**	100703	3/16	5	1 1/2	38	3/4	19	1 1/16	27	7/8	22	1 5/8	41	3/8	10	17	8
4	102	**7105303**	100710	1/4	6	2 1/8	54	1	25	1 7/16	37	1 1/4	32	2 5/16	59	9/16	14	50	23
5	127	**7105304**	100727	15/16	24	2 5/8	67	1 1/4	32	1 3/4	44	1 9/16	40	2 7/8	73	11/16	17	93	42

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

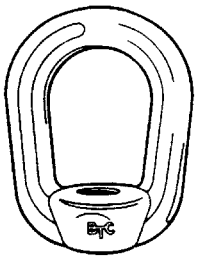
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Lifting Eyes & Eye Nuts

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING LIFTING EYES AND NUTS.

STAINLESS LIFTING EYE



EYE NUT

Campbell carbon eye nuts are all drop-forged and normalized. Galvanizing is to ASTM A-153 specification.

IMPORTANT: Instructions For Use

1. Do not exceed working load limit (WLL) as shown in the table below. The standard WLL's are established for a vertical pull. The WLL is significantly reduced when angular loading is involved as shown in the table below.
2. When using lifting slings having two or more legs, make sure the load on each leg is calculated based on the angular loading. The eye nut with the correct WLL under those conditions must be used.
3. Make sure the eye nuts are properly seated by screwing them down completely.
4. Make sure the threads in the hole are clean and undamaged.
5. Loads must always be applied parallel to the plane of the eye and never across the plane.
6. Always stand clear of the load and lift the load with a steady, even pull. Do not shock load.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Loads may slip or fail if proper assembly and lifting procedures are not used.**
- **Use lifting eyes and eye nuts only as indicated.**
- **Lifting eyes and eye nuts must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.**
- **Always stand clear of loads being lifted.**

WLL (lb and kg) of Carbon Eye Nuts

Size No.	Eye Nut Tap Size		Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	
1, 1A	5/16	8	850	386	465	211	295	134	210	95	NOT RECOM-MENDED
2	3/8	10	1250	567	685	311	435	197	310	141	
3	7/16	11	1650	748	905	411	575	261	410	186	
3, 3A	1/2	13	2250	1021	1235	561	785	356	560	254	
6	7/8	22	7200	3266	3960	1798	2520	1144	1800	817	
8	1 1/4	32	15200	6895	8360	3795	5320	2415	3800	1725	
10	1 1/2	38	21400	9707	11770	5344	7490	3400	5350	2429	

WLL (lb and kg) of Stainless Steel Lifting Eyes

Size No.	Eye Nut Tap Size		Vertical Pull WLL		75° Pull WLL		60° Pull WLL		45° Pull WLL		Less Than 45° Pull
	in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	
5	1/2	13	2150	976	1180	536	750	341	535	243	NOT RECOM-MENDED
6	5/8	16	3440	1562	1890	858	1200	545	860	390	
7	3/4	19	5140	2334	2825	1283	1795	815	1285	583	
9	1	25	9370	4254	5150	2338	3275	1487	2340	1062	

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

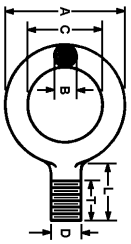
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Lifting Eyes, M-41-ST Drop-forged Type 316 Stainless Steel

- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish

Size No.	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Weight Each lb	Weight Each kg
5	**6407104**	095320	2150	975	.25	.11
6	**6407105**	095337	3440	1560	.66	.30
7	**6407106**	095344	5140	2332	.86	.39
9	**6407107**	095351	9370	4250	1.82	.83

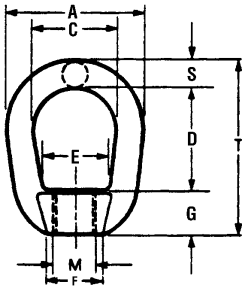


Size No.	D in.	D mm	L in.	L mm	A in.	A mm	C in.	C mm	B in.	B mm	T in.	T mm
5	1/2	13	3/4	19	2	50	1	25	1/2	13	5/8	16
6	5/8	16	1	25	2 1/2	64	1 1/4	32	5/8	16	3/4	19
7	3/4	19	1	25	2 13/16	71	1 1/2	38	21/32	17	7/8	22
9	1	25	1 7/16	37	3 9/16	90	1 13/16	46	7/8	22	1 1/16	27

Eye Nuts, 776-G Drop-forged Carbon Steel, Normalized

- Standard Material: Drop-forged carbon steel normalized
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1

Size No.	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Tap Size M UNC-2B in.	Tap Size M UNC-2B mm	Weight/100 lb	Weight/100 kg
1A	**7100102**	100413	850	386	5/16	8	8	4
2	**7100103**	100420	1250	567	3/8	10	13	6
3	**7100104**	100437	1650	748	7/16	11	25	11
3A	**7100105**	100444	2250	1021	1/2	13	25	11
4	**7100106**	100451	3600	1633	5/8	16	55	25
5	**7100107**	100468	5200	2359	3/4	19	113	51
6	**7100108**	100475	7200	3266	7/8	22	153	69
7	**7100109**	100482	10000	4536	1	25	275	125
8	**7100111**	100505	15200	6895	1 1/4	32	363	165
10	**7100112**	100512	21400	9707	1 1/2	38	656	298



Size No.	A in.	A mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	S in.	S mm	T in.	T mm
1A	1 1/4	32	3/4	19	1 1/16	27	19/32	15	1/2	13	11/32	9	1/4	6	1 21/32	42
2	1 5/8	41	1	25	1 17/64	32	3/4	19	9/16	14	15/32	12	5/16	8	2 3/64	52
3	2	51	1 1/4	32	1 1/2	38	1	25	13/16	21	19/32	15	3/8	10	2 15/32	63
3A	2	51	1 1/4	32	1 1/2	38	1	25	13/16	21	19/32	15	3/8	10	2 15/32	63
4	2 1/2	64	1 1/2	38	2 1/32	51	1 3/16	30	1	25	3/4	19	1/2	13	3 9/32	83
5	3	76	1 3/4	44	2 7/16	62	1 7/16	36	1 1/4	32	7/8	22	5/8	16	3 15/16	100
6	3 1/2	89	2	51	2 9/16	65	1 5/8	41	1 3/8	35	1	25	3/4	19	4 5/16	110
7	4	100	2 1/4	56	3 1/16	75	1 15/16	48	1 5/8	41	1 1/4	32	7/8	22	5 3/16	130
8	4 1/2	114	2 1/2	64	3 1/2	89	2 1/8	54	1 13/16	46	1 5/16	33	1	25	5 13/16	148
10	5 5/8	143	3 1/8	79	4 1/16	103	2 1/2	64	2 1/4	57	1 1/2	38	1 1/4	32	6 13/16	173

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Turnbuckles

778-G Hook & Eye
780-G Eye & Eye
786-G Jaw & Eye
M-16-ST Stainless Jaw & Jaw
788-G Jaw & Jaw

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING TURNBUCKLES.

HOOK & EYE

EYE & EYE

JAW & EYE

JAW & JAW

IMPORTANT: Instructions For Use

1. Turnbuckles are designed for a static load and are typically used with guy wires.

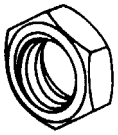
2. *Do not exceed working load limit* (WLL). See table below.

Working Load Limits (lb and kg) of Turnbuckles

Turnbuckle Size	Carbon Eye & Eye Jaw & Eye Jaw & Jaw		Stainless Eye & Eye Jaw & Eye Jaw & Jaw		Carbon Hook & Hook Hook & Eye	
in.	lb	kg	lb	kg	lb	kg
1/4 x 4	500	227	500	227	400	182
5/16 x 4 1/2	800	363	800	363	700	318
3/8 x 6	1200	545	1200	545	1000	454
1/2 x 6, 9, 12	2200	999	2200	999	1500	681
5/8 x 6, 9, 12, 18	3500	1589	3500	1589	2300	1044
3/4 x 6, 9, 12, 18, 24	5200	2361	5200	2361	3000	1362
7/8 x 12, 18	7200	3269	*	*	3600	1634
1 x 6, 12, 18, 24	10000	4540	10000	4540	4200	1907
1 1/4 x 12, 18, 24	15200	6901	*	*	5000	2270

*Item not manufactured

3. Stub End Turnbuckles are not rated. The rating is only as good as the weld or connection method.



LOCK NUT

4. In loads where there is vibration, lock nuts (jam nuts) should be used to prevent the connection from turning or loosening.

5. The jaw ends come with different hardware depending on their size. Jaws from 1/4" through 5/8" have a hex head bolt and nut. Jaws from 3/4" through 1 1/2" have cotter key and bolt.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use turnbuckles only as indicated.**
- **Turnbuckles must always be inspected for wear, distortion, cracks and damage before use. If worn, distorted or damaged, discard and replace.**
- **Turnbuckles are not designed for angular loading, so the loading must be applied in a straight line.**

Campbell carbon turnbuckles are all drop-forged and meet the design requirements of Federal Specification ASTM F-1145, Type 1, Grade 1. All types, except stub-end, are galvanized to ASTM A153 specifications.

Campbell stainless turnbuckles are all drop-forged, made of type 316 stainless steel, and have an electro-polished finish.

⚠ ADVERTENCIA

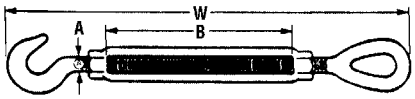
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Hook & Eye Turnbuckles, 778-G Drop-forged Carbon Steel

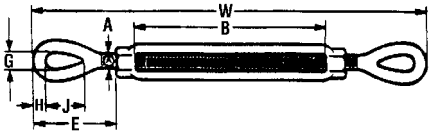
- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of ASTM F1145, Type 1, Grade 1, Class F



Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions A (Thread Dia.) in.	A mm	B (Take Up) in.	B mm	(Closed Position) W (Length) in.	W mm	Weight/100 lb	Weight/100 kg
6250101	086564	400	181	1/4	6	4	102	7 13/16	198	29	13
6250102	086571	700	318	5/16	8	4 1/2	114	9 3/8	238	47	21
6250103	086588	1000	454	3/8	10	6	152	11 5/8	295	85	39
6250105	086595	1500	680	1/2	13	6	152	13 1/8	333	160	73
6250106	086601	1500	680	1/2	13	9	229	16 1/8	410	226	103
6250107	086618	1500	680	1/2	13	12	305	19 1/8	486	245	111
6250111	086649	2300	1043	5/8	16	12	305	20 9/16	522	371	168

Eye & Eye Turnbuckles, 780-G Drop-forged Carbon Steel

- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of ASTM F1145, Type 1, Grade 1, Class D



Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	(Dia.) A in.	A mm	(Take Up) B in.	B mm	(Closed Pos.) (Length) W in.	W mm	Dimensions E in.	E mm	G in.	G mm	H in.	H mm	J in.	J mm	Weight/100 lb	Weight/100 kg
6250302	087059	800	363	5/16	8	4 1/2	114	9 7/16	240	2	51	15/32	12	9/32	7	15/16	24	45	20
6250303	087066	1200	544	3/8	10	6	152	11 13/16	300	2 11/32	60	9/16	14	11/32	9	1 1/8	29	84	38
6250305	087073	2200	998	1/2	13	6	152	13 7/16	341	2 31/32	75	3/4	19	7/16	11	1 7/16	37	156	71
6250306	087080	2200	998	1/2	13	9	229	16 7/16	418	2 31/32	75	3/4	19	7/16	11	1 7/16	37	198	90
6250307	087097	2200	998	1/2	13	12	305	19 7/16	494	2 31/32	75	3/4	19	7/16	11	1 7/16	37	246	112
6250309	087103	3500	1588	5/8	16	6	152	14 7/8	378	3 1/2	89	29/32	23	1/2	13	1 3/4	44	256	116
6250310	087110	3500	1588	5/8	16	9	229	17 7/8	454	3 1/2	89	29/32	23	1/2	13	1 3/4	44	310	141
6250311	087127	3500	1588	5/8	16	12	305	20 7/8	530	3 1/2	89	29/32	23	1/2	13	1 3/4	44	350	159
6250313	087141	5200	2359	3/4	19	6	152	16 3/4	425	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	380	173
6250314	087158	5200	2359	3/4	19	9	229	19 3/4	502	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	458	208
6250315	087165	5200	2359	3/4	19	12	305	22 3/4	578	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	574	261
6250316	087172	5200	2359	3/4	19	18	457	28 3/4	730	4 1/4	108	1 1/32	26	5/8	16	2 1/8	54	700	318
6250324	087240	10000	4536	1	25	24	610	38 1/2	978	5 3/4	146	1 15/32	37	7/8	22	3	76	1600	726
6250328	087264	15200	6895	1 1/4	32	18	457	35 3/8	899	7	178	1 27/32	47	1 1/8	29	3 9/16	90	2500	1135

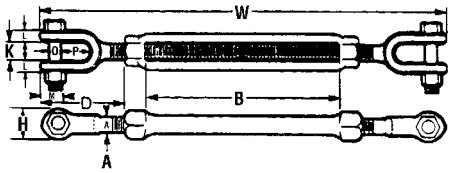
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Jaw & Jaw Turnbuckles, 788-G Drop-forged Carbon Steel



- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of Federal Specification ASTM F1145, Type 1, Grade 1, Class G
- Jaws on sizes 1/4 through 5/8 have hex head bolt and nut. Jaws on sizes 3/4 through 1-1/2 have cotter key and bolt

Cat. No.	UPC No. 020418	Working Load Limit		Dimensions				(Closed Position) Length		Weight/ 100	
				Thread Dia.(A)		Take Up (B)					
		lb	kg	in.	mm	in.	mm	in.	mm	lb	kg
6250501	087646	500	227	1/4	6	4	102	7 15/16	202	35	16
6250502	087653	800	363	5/16	8	4 1/2	114	9 5/16	237	51	23
6250503	087660	1200	544	3/8	10	6	152	11 3/16	284	94	43
6250505	087677	2200	998	1/2	13	6	152	12 3/4	324	170	77
6250506	087684	2200	998	1/2	13	9	229	15 3/4	400	215	98
6250507	087691	2200	998	1/2	13	12	305	18 3/4	476	265	120
6250510	087714	3500	1588	5/8	16	9	229	17 3/4	451	349	158
6250511	087721	3500	1588	5/8	16	12	305	20 3/4	527	400	182
6250513	087745	5200	2359	3/4	19	6	152	15 3/4	400	443	201
6250514	087752	5200	2359	3/4	19	9	229	18 3/4	476	518	235
6250515	087769	5200	2359	3/4	19	12	305	21 3/4	552	633	287
6250516	087776	5200	2359	3/4	19	18	457	27 3/4	705	760	345
6250519	087790	7200	3266	7/8	22	12	305	23 3/8	594	837	380
6250520	087806	7200	3266	7/8	22	18	457	29 3/8	746	1208	548
6250521	087813	10000	4536	1	25	6	152	19 7/16	494	947	430
6250522	087820	10000	4536	1	25	12	305	25 7/16	646	1290	586
6250523	087837	10000	4536	1	25	18	457	31 7/16	799	1560	708
6250524	087844	10000	4536	1	25	24	610	37 7/16	951	1785	810
6250527	087851	15200	6895	1 1/4	32	12	305	27 1/2	699	2140	972
6250528	087868	15200	6895	1 1/4	32	18	457	33 1/2	851	2560	1162
6250529	087875	15200	6895	1 1/4	32	24	610	39 1/2	1003	3100	1407
6250533	087899	21400	9707	1 1/2	38	18	457	37 1/4	946	3700	1680
6250534	163890	21400	9707	1 1/2	38	24	610	43 1/4	1099	4100	1861

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Jaw & Jaw Turnbuckles, 788-G Drop-forged Carbon Steel

Cat. No.	Dimensions D in.	D mm	H in.	H mm	K in.	K mm	L in.	L mm	M in.	M mm	Q in.	Q mm	P in.	P mm
6250501	1 19/32	40	5/8	16	13/32	10	3/16	5	15/32	12	1/4	6	3/4	16
6250502	1 15/16	49	11/16	17	1/2	13	3/16	5	1/2	13	1/4	6	3/4	19
6250503	2 1/32	52	7/8	22	1/2	13	1/4	6	9/16	14	5/16	8	13/16	21
6250505	2 5/8	67	1 3/16	30	5/8	16	5/16	8	3/4	19	3/8	10	1 1/16	27
6250506	2 5/8	67	1 3/16	30	5/8	16	5/16	8	3/4	19	3/8	10	1 1/16	27
6250507	2 5/8	67	1 3/16	30	5/8	16	5/16	8	3/4	19	3/8	10	1 1/16	27
6250510	3 3/8	86	1 3/8	35	3/4	19	7/16	11	15/16	24	1/2	13	1 3/8	35
6250511	3 3/8	86	1 3/8	35	3/4	19	7/16	11	15/16	24	1/2	13	1 3/8	35
6250513	3 3/4	95	1 13/16	46	15/16	24	15/32	12	1 3/16	30	5/8	16	1 1/2	38
6250514	3 3/4	95	1 13/16	46	15/16	24	15/32	12	1 3/16	30	5/8	16	1 1/2	38
6250515	3 3/4	95	1 13/16	46	15/16	24	15/32	12	1 3/16	30	5/8	16	1 1/2	38
6250516	3 3/4	95	1 13/16	46	15/16	24	15/32	12	1 3/16	30	5/8	16	1 1/2	38
6250519	4 3/8	111	2	51	1 1/8	29	19/32	15	1 3/8	35	3/4	19	1 3/4	44
6250520	4 3/8	111	2	51	1 1/8	29	19/32	15	1 3/8	35	3/4	19	1 3/4	44
6250521	5 7/32	133	2 3/16	56	1 3/16	30	3/4	19	1 9/16	40	7/8	22	2 1/16	52
6250522	5 7/32	133	2 3/16	56	1 3/16	30	3/4	19	1 9/16	40	7/8	22	2 1/16	52
6250523	5 7/32	133	2 3/16	56	1 3/16	30	3/4	19	1 9/16	40	7/8	22	2 1/16	52
6250524	5 7/32	133	2 3/16	56	1 3/16	30	3/4	19	1 9/16	40	7/8	22	2 1/16	52
6250527	6 1/16	154	2 7/8	73	1 3/4	44	7/8	22	2	51	1 1/8	29	2 7/16	62
6250528	6 1/16	154	2 7/8	73	1 3/4	44	7/8	22	2	51	1 1/8	29	2 7/16	62
6250529	6 1/16	154	2 7/8	73	1 3/4	44	7/8	22	2	51	1 1/8	29	2 7/16	62
6250533	8 1/2	216	3 1/4	83	2 1/16	52	1 3/32	28	2 5/16	59	1 3/8	35	2 13/16	71
6250534	8 1/2	216	3 1/4	83	2 1/16	52	1 3/32	28	2 5/16	59	1 3/8	35	2 13/16	71

Fittings

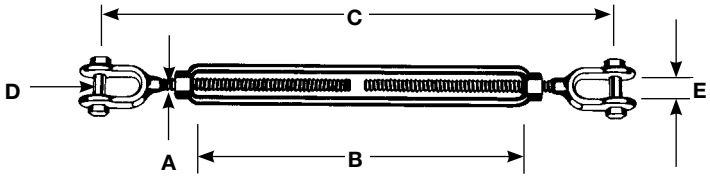
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Jaw & Jaw Turnbuckles, M-16-ST Drop-forged Type316 Stainless Steel

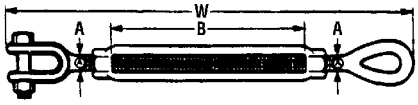


- Standard Material: Forged Type 316 Stainless Steel
- Standard Finish: Electro-polish

Cat. No.	UPC No. 020418	Dimensions Size (A) in.	Size (A) mm	Take Up (B) in.	Take Up (B) mm	(Closed Pos.) Length (C) in.	Length (C) mm	Pin Dia. (D) in.	Pin Dia. (D) mm	Jaw Openning (E) in.	Jaw Openning (E) mm	Weight Each lb	Weight Each kg	Working Load Limit lb	Working Load Limit kg
6401203	093456	3/8	10	6	152	10 3/4	273	5/16	8	9/16	14	3/4	0.3	1200	545
6401204	093463	1/2	13	6	152	12	305	3/8	9	5/8	16	1 1/2	0.7	2200	999
6401210	093487	3/4	19	6	152	15 1/2	394	5/8	16	1	25	5	2.2	5200	2361

Fittings

Jaw & Eye Turnbuckles, 786-G Drop-forged Carbon Steel



- See Figure 780-G for eye dimensions
- See Figure 788-G for jaw dimensions
- Drop-forged Carbon Steel
- Galvanized to ASTM A-153 specifications
- Design factor 5 to 1

Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions Thread Dia.(A) in.	Thread Dia.(A) mm	Take Up (B) in.	Take Up (B) mm	(Closed Position) Length (W) in.	Length (W) mm	Weight/ 100 lb	Weight/ 100 kg
6250401	087387	500	227	1/4	6	4	102	7 7/8	200	33	15
6250402	087394	800	363	5/16	8	4 1/2	114	9 3/8	238	48	22
6250403	087400	1200	544	3/8	10	6	152	11 9/16	294	90	41
6250405	087417	2200	998	1/2	13	6	152	13 1/8	333	164	74
6250406	087424	2200	998	1/2	13	9	229	16 1/8	410	208	94
6250407	087431	2200	998	1/2	13	12	305	19 1/8	486	257	117
6250409	087448	3500	1588	5/8	16	6	152	14 7/8	378	265	120
6250411	087462	3500	1588	5/8	16	12	305	20 13/16	529	380	173
6250422	087561	10000	4536	1	25	12	305	26	660	1206	548
6250427	087592	15200	6895	1 1/4	32	12	305	28 9/16	725	1980	899

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

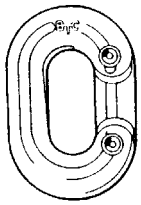
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

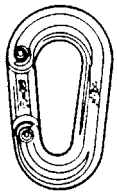
Connecting Links

752-S, G, A Regular
753-S Pear Shaped
Stainless Regular

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING CONNECTED LINKS.



REGULAR CONNECTING LINK



PEAR SHAPED CONNECTING LINK

Campbell carbon and alloy steel connecting links are all drop-forged and heat treated. Galvanizing is to ASTM A-153 specification.

Campbell stainless connecting links are all drop-forged and made of 316 Stainless Steel, and have an electro-polished finish.

Connecting links are used to connect two pieces of chain or to connect a fitting to a chain.

IMPORTANT: Instructions For Use

1. Make sure the connecting link used is the same size as the components being joined, e.g., a 3/8 in. connecting link is used with 3/8 in. chain.
2. To effectively close the connecting link, peen the prongs (using a ball peen hammer) to fill the hole of the mating half as much as possible.
3. Any assembly made using connecting links should be rated at the working load limit (WLL) of the weakest component.
4. *Do not exceed WLL.* See table below.
5. The WLL of connecting links is based on a straight line pull. Any side or shock loading will significantly reduce the actual WLL.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use connecting links only as indicated.**
- **Do not use connecting links for overhead lifting.**
- **Never re-use connecting links.**
- **Connecting links must always be inspected for wear, distortion and tightness before use. If worn, distorted or damaged, discard and replace.**

Working Load Limits (lbs and kg) - Connecting Links

Size		Regular				Pear Shaped	
		Carbon Steel WLL		Alloy WLL		Carbon Steel WLL	
in.	mm	lb	kg	lb	kg	lb	kg
1/4	6	1400	636	*		*	
5/16	8	2000	908	3000	1362	*	
3/8	10	2800	1271	4200	1907	1850	840
1/2	13	4750	2157	7000	3178	3300	1498
5/8	16	7250	3292	10800	4903	5000	2270
3/4	19	10250	4654	15000	6810	7100	3223
7/8	22	--	--	--	--	9600	4358
1	25	15500	7037	--	--	*	

*Item not manufactured.

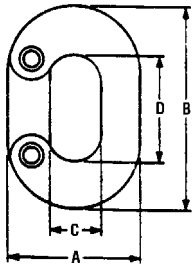
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

752-S, 752-G, 752-A
Connecting Links, Carbon Steel and Alloy Steel



- Standard Material: Forged carbon and alloy steel - Heat Treated
- Standard Finish: Self-colored or galvanized
- Design Factor: 4 to 1
- For effective closure peen to fill eye of mating half as much as possible
- Meets design requirements of Federal Specification RR-C-271D, Type II

Carbon Steel, Heat Treated

Size		Self Colored		Galvanized		Working Load Limit		Dimensions								Links Per Box	Weight/ 100	
		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418			A		B		C		D				
in.	mm					lb	kg	in.	mm	in.	mm	in.	mm	in.	mm		lb	kg
1/4	6	**5200404**	074677	**5200434**	074684	1400	635	1	25	1 1/2	38	7/16	11	7/8	22	10	6	3
5/16	8	**5200504**	074691	**5200534**	074707	2000	907	1 3/16	30	1 3/4	44	1/2	13	1	25	10	10	5
3/8	10	**5200604**	074714	**5200634**	074721	2800	1270	1 3/8	35	2 1/8	54	9/16	14	1 1/8	29	10	18	8
1/2	13	**5200804**	074752	**5200834**	074769	4750	2155	1 23/32	44	2 11/16	68	21/32	17	1 7/16	37	10	38	17
5/8	16	**5201004**	074790	**5201034**	074806	7250	3289	2 1/8	54	3 3/8	86	13/16	21	1 7/8	48	10	72	33
3/4	19	-	-	**5201234**	074820	10250	4649	2 1/2	64	3 7/8	98	31/32	25	2 1/8	54	5	112	51

Alloy Steel, Heat Treated

Size		Self Colored		Working Load Limit		Dimensions								Links Per Box	Weight/ 100	
		Cat. No.	UPC No. 020418			A		B		C		D				
in.	mm			lb	kg	in.	mm	in.	mm	in.	mm	in.	mm		lb	kg
3/8	10	**5208605**	075018	4200	1905	1 3/8	35	2 1/8	54	9/16	14	1 1/8	29	10	18	8
1/2	13	**5208805**	075032	7000	3175	1 23/32	44	2 11/16	68	21/32	17	1 7/16	37	10	38	17
5/8	16	**5209005**	075049	10800	4899	2 1/8	54	3 3/8	86	13/16	21	1 7/8	48	10	72	33
3/4	19	**5209205**	075056	15000	6804	2 1/2	64	3 7/8	98	31/32	25	2 1/8	54	5	112	51

⚠ ADVERTENCIA

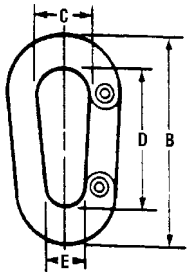
Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

753-S, 753-G Pear Shaped Connecting Links

- Standard Material: Forged carbon and alloy steel - Heat Treated
- Standard Finish: Self-colored or galvanized
- Design Factor: 4 to 1
- For effective closure, peen to fill mating half as much as possible



Carbon Steel, Heat Treated

Size in.	Size mm	Galvanized Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	Weight/100 lb	Weight/100 kg
3/8	10	**5205634**	074912	1850	839	2 15/16	75	13/16	21	2	51	9/16	14	25	11
1/2	13	**5205834**	074936	3300	1497	3 5/8	92	1	25	2 1/2	64	11/16	17	45	20
5/8	16	**5206035**	074950	5000	2268	4 1/4	108	1 1/8	29	2 3/4	70	13/16	21	91	41
3/4	19	**5206235**	074974	7100	3221	4 7/8	124	1 1/4	32	3 1/8	79	1	25	130	59
7/8	22	**5206435**	074998	9600	4355	5 11/16	144	1 1/2	38	3 11/16	94	1 1/4	32	220	100

Alloy Steel, Heat Treated

Size in.	Size mm	Galvanized Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	Weight/100 lb	Weight/100 kg
3/8	10	**5203635**	074899	3000	1361	2 15/16	75	13/16	21	2	51	9/16	14	25	11
1/2	13	**5203835**	179822	5000	2268	3 5/8	92	1	25	2 1/2	64	11/16	17	45	20

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

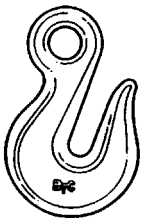
⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Grab/Slip Hooks

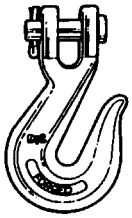
477-A Eye Grab**; 473-A** Clevis Grab; **474-A** Eye Slip; **476-A** Clevis Slip

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING GRAB AND SLIP HOOKS.

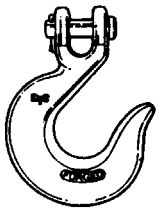


EYE GRAB HOOK

EYE SLIP HOOK



CLEVIS GRAB HOOK



CLEVIS SLIP HOOK

Campbell grab and slip hooks are all drop-forged and heat treated. The alloy eye grab hooks meet the design requirements of Federal Specification RR-C-271.

IMPORTANT: Instructions For Use

1. These hooks are designed to engage chain and are sized by the material diameter of the chain that they engage. Make sure hook size and chain diameter are compatible before lifting load.

2. Grab hooks are designed to grab a chain link and hold it in place.

3. Slip hooks are designed to allow chain to slip through the hook.

4. Only use genuine Campbell parts when replacing clevis pins and cotter keys.

5. *Do not exceed working load limit* (WLL). See table below.

⚠ WARNING

- **Failure to follow the Instructions For Use below and these warnings may cause death or serious injury.**
- **Use these hooks only as indicated.**
- **<u>Never</u> point load a hook.**
- **Do not use hooks for lifting personnel.**
- **Hooks must always be inspected for wear, distortion and damage before use. If worn, distorted or damaged, discard and replace.**
- **Always stand clear of loads being lifted.**

Working Load Limits (lb and kg) – Hooks

Size		System 4 Heat Treated Eye & Clevis Grab, Clevis Slip WLL		Alloy Eye & Clevis Grab WLL		Alloy Clevis Slip WLL	
in.	mm	lb	kg	lb	kg	lb	kg
1/4	6	2600	1180	4100	1861	4100	1861
5/16	8	3900	1771	5100	2315	5100	2315
3/8	10	5400	2452	7100	3223	7300	3314
7/16	11	7200	3269	10000	4540	10000	4540
1/2	13	9200	4177	12000	5448	13000	5902
5/8	16	11500	5221	18100	8217	20300	9216
3/4	19	16200	7355	28300	12848	-	-

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

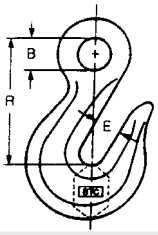
Eye Grab Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
1/4	6	Eye Grab Hook, Grade 43	Zinc Plated	Eye	**T9001424**	222139	10	100	40	18	**2,600**	**1,179**
5/16	8	Eye Grab Hook, Grade 43	Zinc Plated	Eye	**T9001524**	222146	10	50	30	13	**3,900**	**1,769**
3/8	10	Eye Grab Hook, Grade 43	Zinc Plated	Eye	**T9001624**	222153	10	50	45	20	**5,400**	**2,449**
1/2	13	Eye Grab Hook, Grade 43	Zinc Plated	Eye	**T9001824**	222122	5	20	36	16	**9,200**	**4,173**

477-A Eye Grab Hooks

- Drop-forged alloy steel
- Standard Finish: Alloy hooks are heat treated, and self-colored
- Alloy hooks meet the design requirements of Federal Specification RR-C-271
- Order unit is “Each”



477-A, Alloy Steel - Heat Treated

Chain Size in	Chain Size mm	Alloy, Self-colored (Bulk) Cat. No.	Alloy, Self-colored (Bulk) UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions B in	Dimensions B mm	Dimensions E in	Dimensions E mm	Dimensions R in	Dimensions R mm	Weight Each lb	Weight Each kg
1/4	6	**4110415**	073175	4100	1860	17/32	13	11/32	9	1 7/8	48	.27	.12
5/16	8	**4110515**	073182	5100	2312	19/32	15	7/16	11	2 3/16	56	.47	.21
3/8	10	**4110615**	073199	7100	3221	3/4	19	1/2	13	2 13/32	61	.71	.32
1/2	13	**4110815**	073212	12000	5443	1 1/8	29	21/32	17	3 3/8	86	1.73	.79

Eye Slip Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
1/4	6	Eye Slip Hook, Grade 43	Zinc Plated	Eye	**T9101424**	222177	10	100	40	18	**2,600**	**1,179**
5/16	8	Eye Slip Hook, Grade 43	Zinc Plated	Eye	**T9101524**	222184	10	50	30	13	**3,900**	**1,769**
3/8	10	Eye Slip Hook, Grade 43	Zinc Plated	Eye	**T9101624**	222191	10	50	50	22	**5,400**	**2,449**
1/2	13	Eye Slip Hook, Grade 43	Zinc Plated	Eye	**T9101824**	222160	5	20	52	23	**9,200**	**4,173**

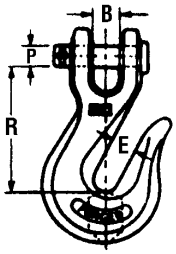
⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Clevis Grab Hooks 473, 473-A



- Standard Material: Drop-forged carbon steel steel (system 3 & 4) or alloy steel
- Standard Finish: System 3 & 4 hooks available with blu-krome or self-colored finish. Alloy hooks are heat treated, and painted orange and stamped "Alloy"
- S/C finish hooks are bulk packed, blu-krome hooks are available packed 10 per box
- Order unit is "Each"

473, System 3 & 4

Chain Size		Self-colored (Bulk)		Blu-Krome (10/Box)		Working Load Limit		Dimensions								Weight Each	
		Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418			B		E		P		R			
in	mm					lb	kg	in	mm	in	mm	in	mm			lb	kg
1/4	6	**4500405**	073885	**4500424**	073892	2600	1179	3/8	10	11/32	9	5/16	8	1 23/32	44	0.32	0.15
5/16	8	**4500505**	073922	**4500524**	073939	3900	1769	15/32	12	7/16	11	3/8	10	1 31/32	50	0.59	0.27
3/8	10	**4500605**	073960	**4500624**	073977	5400	2449	17/32	13	1/2	13	7/16	11	2 1/4	57	0.92	0.42
1/2	13	**4500805**	074042	--	--	9200	4173	21/32	17	21/32	17	9/16	13	3 1/64	77	2.00	0.91
5/8	16	**4501005**	074073	--	--	11500	5216	13/16	21	25/32	20	3/4	19	3 25/32	96	3.90	1.77

473-A, Alloy Steel - Heat Treated

Chain Size		Alloy, Orange (Bulk)			Working Load Limit		Dimensions								Weight Each	
		Cat. No.	UPC No. 020418				B		E		P		R			
in	mm				lb	kg	in	mm	in	mm	in	mm			lb	kg
*1/4	6	**4503315**	074103		4100	1860	3/8	10	11/32	9	5/16	8	1 23/32	44	0.32	0.15
*5/16	8	**4503415**	074110		5100	2313	15/32	12	7/16	11	3/8	10	1 31/32	50	0.59	0.27
*3/8	10	**4503515**	074127		7100	3221	17/32	13	1/2	13	7/16	11	2 1/4	57	0.92	.0.42
7/16	11	**4503615**	074134		10000	4536	19/32	15	19/32	15	1/2	13	2 5/8	67	1.32	0.60
1/2	13	**4503715**	074141		12000	5443	21/32	17	21/32	17	9/16	13	3 1/64	77	2.00	0.91
5/8	16	**4503815**	074158		18100	8210	13/16	21	25/32	20	3/4	19	3 25/32	96	3.90	1.77
3/4	19	**4503915**	074165		28300	12837	15/16	24	15/16	24	13/16	21	4 25/32	121	6.12	2.78

*Supplied individually bagged and unassembled.

Clevis Grab Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Size									Case Weight		Working Load Limit	
in	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	lb	kg	lb	kg
1/4	6	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	**T9501424**	192678	10	100	43	19	**2,600**	**1,179**
5/16	8	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	**T9501524**	192685	10	50	36	16	**3,900**	**1,769**
3/8	10	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	**T9501624**	192692	10	50	56	25	**5,400**	**2,449**
1/2	13	Clevis Grab Hook, Grade 43	Zinc Plated	Clevis	**T9501824**	220661	5	20	37	17	**9,200**	**4,173**

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

Clevis Slip Hooks, Grade 43, (Import)

- Forged steel
- Grade 43
- Zinc plated
- UPC tagged

Clevis Slip Hook with Latch

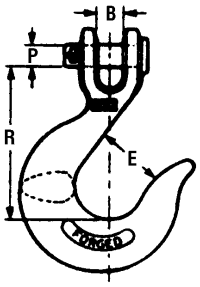
Clevis Slip Hook

Size in	Size mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Weight lb	Case Weight kg	Working Load Limit lb	Working Load Limit kg
¼	6	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	**T9401424**	192647	5	100	58	26	**2,600**	**1,179**
				Clevis w/Latch	**T9700424**	192081	5	50	33	15		
5/16	8	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	**T9401524**	192654	5	50	39	18	**3,900**	**1,769**
				Clevis w/Latch	**T9700524**	192098	5	50	47	21		
⅜	10	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	**T9401624**	192661	5	50	72	33	**5,400**	**2,449**
				Clevis w/Latch	**T9700624**	192104	5	30	42	19		
½	13	Clevis Slip Hook, Grade 43	Zinc Plated	Clevis	**T9401824**	220654	5	15	43	20	**9,200**	**4,173**
				Clevis w/Latch	**T9700824**	220647	5	15	43	20		

Fittings

Clevis Slip Hooks 476-A

- Standard Material: Drop-forged alloy steel
- Standard Finish: Alloy hooks are heat treated, and painted orange and stamped "AH"
- Order unit is "Each"
- Design Factor: Alloy steel hooks is 3-1/2 to 1



476-A, Alloy Steel - Heat Treated

Chain Size in	Chain Size mm	Alloy, Orange (Bulk) Cat. No.	Alloy, Orange (Bulk) UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Dimensions B in	B mm	E in	E mm	P in	P mm	R		Weight Each lb	Weight Each kg
*¼	6	**4403315**	073816	4100	1860	⅜	10	15/16	24	5/16	8	1 23/32	44	0.75	0.34
*5/16	8	**4403415**	073823	5100	2313	7/16	11	1 1/16	27	⅜	10	3	76	1.00	0.45
*⅜	10	**4403515**	073830	7100	3221	½	13	1¼	32	7/16	11	3 13/32	87	1.40	0.64
7/16	11	**4403615**	073847	10000	4536	9/16	13	1½	38	½	13	3⅝	92	2.00	0.91
½	13	**4403715**	073854	13000	5897	⅝	16	1¾	44	9/16	13	4 3/32	104	3.10	1.41
⅝	16	**4403815**	073861	20300	9208	¾	19	2	51	¾	19	4 13/16	122	5.20	2.36

*Hooks have drilled hole for latch kit. See page 98 for latch kits.

⚠ ADVERTENCIA

Para prevenir la posibilidad de lesiones graves:
- NO EXCEDA el límite de carga de trabajo (WLL).
- NO LA UTILICE choque o golpee la carga.
- NO USE el accesorio si se ve deformado o desgastado.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

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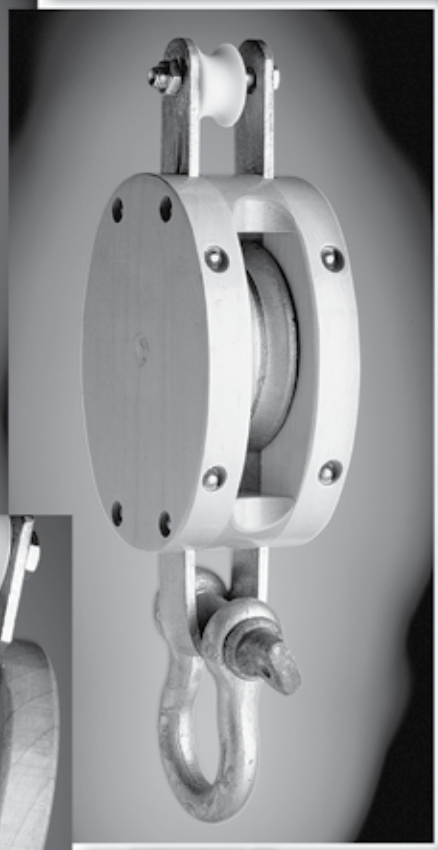
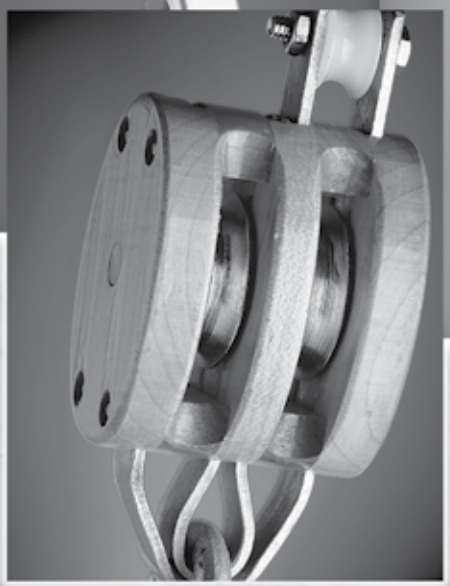
Campbell®

BLOCKS





Campbell® Blocks Table of Contents

Begun as a forging company in 1834, Campbell/Brewer-Titchener first manufactured horse harnesses, then carriage hardware, then horseless carriage hardware. From hardware for power lines in the 1930's, to forgings for the war effort in the 40's. Campbell/Brewer-Titchener began making high quality, wire rope and chain fittings in the 50's. Today the line includes well over 1000 different types and sizes of drop-forged eyebolts, wire rope clips, shackles, swivels, hooks, turnbuckles and more.

Since 1973, when Campbell/Brewer-Titchener acquired the Boston & Lockport Corporation, the brand has also been a leading name in high quality tackle blocks. This line includes blocks with wood, metal and nylon shells for fiber, manila or wire rope. Many options are offered: a wide selection of drop forged hooks, eyes and shackles; various bushing types; and models with one to four sheaves. Replacement sheaves, bushings and pins are also available.

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

Blocks

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⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Definitions: Important Block Terms

Bight: The area formed by the angle of the incoming and outgoing line (see figure #2, page 155).

Fairleading: To change the direction of pull on a lead rope.

Line Pull: The line pull is the amount of force transmitted to the rope by the winch, or other forms of power. All Working Load Limits are based on **"resultant loads."**

Mechanical Advantage: The amount by which a block system multiplies the force (or load) applied to it.

Parts of Line: The number of lines needed for a given load.

Loads

Ton: Ton is equal to 2240 LB unless otherwise noted.

Proof Test: Campbell® has the ability to proof test all blocks and fittings. The usual proof test is twice the Working Load Limit. Proof testing and certifying will be done at customer's request, at extra cost.

Side Load: The result of a load which is applied off-center.

Shock Load: The result of the rapid application of force (such as impacting and /or jerking), or the rapid movement of a static load.

Ultimate Load: The average load at which a product fails, or no longer supports the load.

Working Load Limit: The Working Load Limit (WLL) is the maximum resultant load which should ever be applied to the product in service, even when new, and when the load is uniformly applied in direct tension.

Caution should be used when determining the resultant load, as the manner in which the product is used can increase the load. (Refer to Figure1, page 155)

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Warning Statement - Blocks

BLOCK USE AND MAINTENANCE INFORMATION:

Read, understand and follow these warnings and instructions prior to selection, maintenance and use of tackle block sytems.

⚠ WARNING

Falling load may cause death or serious injury

- Do Not exceed **"Working Load Limit"**
- Do Not stand under load or in bight
- Do Not side load or shock load
- Do Not use worn or damaged block or rope

IMPORTANT: Read and understand the instructions and warnings before using this block. It is the responsibility of the employer to place this information into the hands of the operator.

INSTRUCTIONS FOR USE

- Do Not exceed the **"Working Load Limit"** of the block(s) being used. Check the label on the block or refer to the Apex Tool Group catalog
- Do Not exceed the **"Working Load Limit"** or operating limitations of the rope being used. If uncertain, consult the rope manufacturer
- Use the recommended rope diameter. See the label or Apex Tool Group catalog
- Know the weight of the load to be lifted and the conditions of the lift. For example, a flat load embedded in mud will require extra pulling power to break the vacuum and may create a shock load
- Be sure there are no impediments in the way of the lift that could snag the load and increase the load on the block(s)
- Blocks used above or aloft should be attached with shackles
- Do Not side load or shock load blocks. When using snatch blocks, be sure that the block is closed properly before the load is applied
- Snatch blocks should not be used for hoisting: they should be used for fairleading only
- Do Not stand under the load or in the bight area. Do Not stand in the direct line of pull of any load
- Be sure the structural member to which the block is being attached is strong enough to support the load

Assure proper lubrication of the block. **Improper lubrication can lead to block failure.** Read and follow lubrication schedules.

⚠ ADVERTENCIA

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  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Important Information

Block systems must be properly designed, used and maintained. A continual inspection program should be undertaken to discover gouges, distortion, cracks, elongation (or stretching), spread in the throat openings of hooks, severe wear or other damage. Any abuse, misuse or alteration may lessen the load a block system will sustain. Some examples of changes are as follows:

- Twisting or side loading
- Disfigurement
- Corrosion
- Shock loading
- Use for a purpose other than that for which a particular block was intended
- Use to carry a load in excess of the Working Load Limit

Blocks consist of one or more sheaves fitted in a wood or metal shell. Blocks are supported by a fitting attached to the strap of the block. These blocks are intended to be used in conjunction with other components in a load-sustaining system to gain mechanical advantage. Care should be taken to select components of compatible type, size and Working Load Limit.

Work Load Limits shown in Apex Tool Group literature are applicable to new blocks, or blocks in "as new" condition.

Selection of Blocks

To select a block to fit your requirements, the following must be considered:

1. Are there regulations that could affect the choice of blocks, such as federal, OSHA, state, maritime, etc.
2. What loads (weight) will be lifted? This must be known to select a block with an appropriate work load limit.
3. How many parts of line are required? (See "Method of Figuring," page 135.)
4. What is the size, type and working load limit of rope to be used? Consult a rope catalog to determine working load, rope strength and fatigue factors.
5. What is the speed of the line? This will help determine what type of bearing should be used.
6. Insure that the proper type of fitting is utilized. A block used above or aloft should be attached with shackles.
7. How will the block be reeved, and does it require a dead end becket? (See "Method of Reeving Manila and Wire Rope Blocks," page 135.)
8. What is the fleet angle of the wire line? Line entrance and exit angles should be no more than 90°. Use the bight angle factor (See page 134) to determine resultant load to properly determine Working Load Limit of your block.

⚠ ADVERTENCIA

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⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Block Inspection and Maintenance

- Carefully examine the block(s) and rope(s) for wear and damage before each use
- Do not use a block if the sheaves do not turn freely. Sheaves must turn freely. Tight sheaves could indicate worn bushings or bearings
- Do not use a block with excessive play in the sheave. Check for excessive play in the sheave. Excessive play could indicate worn bushings or bearings
- Do not use a block with a loose becket bolt or rope splice. Check the becket bolt holding the dead end of the rope; the becket bolt should be tight. The rope splice on the becket should also be tight
- Do not use a block with worn or frayed rope. Check the condition of the rope for fraying
- Do not use a block with a damaged hook latch. Hooks on blocks should have a latch in proper operating condition. If the latch does not engage the tip of the hook, the hook could be sprung or opened due to an overload on a previous lift

Lubrication

The following represents the minimum recommended schedule for lubrication using medium viscosity lithium-based grease. Your own usage, including environmental factors and the frequency and type of use, may require lubrication that is more frequent.

SHEAVE BEARINGS

Tapered Rollers: Every 40 hours of continuous operation or every 30 days of intermittent operation.

Roller Type: Every 24 hours hours of continuous operation or every 14 hours of intermittent operation.

Bronze (Not self-lubricated): Every 8 hours of continuous operation or every 14 days of intermittent operation.

HOOK BEARINGS

Anti-Friction: Every 14 days for frequent swiveling or every 45 days for infrequent swiveling.

Bronze Thrust/No Bearings: Every 16 hours for frequent swiveling or every 21 days for infrequent swiveling.

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- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Load on Blocks

⚠ WARNING

- The Working Load Limit (WLL) is the maximum resultant load which should ever be applied to a block and its fittings. Blocks used to fairlead (single sheave and snatch blocks) can be subjected to a load greater than the weight being lifted or pulled.

Results of Applied Loads on Single Blocks

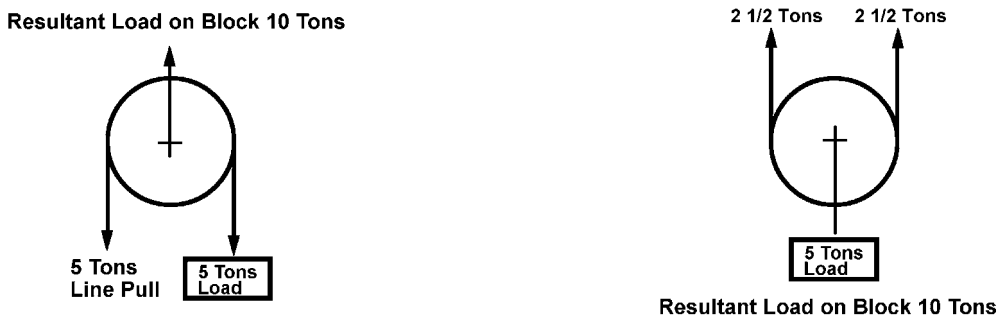


Figure No. 1

⚠ WARNING

- The total weight (load) on a single sheave block or snatch block varies with the bight angle between the incoming and outgoing line to the block (see Figure 2).

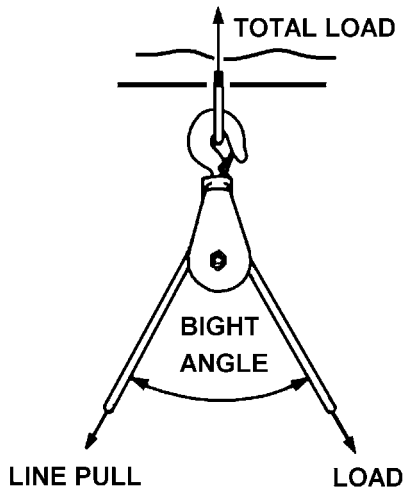


Figure No. 2

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Load on Blocks (CONTINUED)

To determine this load:

1. Determine the bight angle of the line.
2. Refer to Table 1 for the corresponding angle factor.
3. Multiply the pull on the line or the weight of the load (line pull) by the angle factor to obtain the load on the block.

Bight Angle Factor

Angle	Factor	Angle	Factor
0°	2.00	100°	1.29
10°	1.99	110°	1.15
20°	1.97	120°	1.00
30°	1.93	130°	0.84
40°	1.87	135°	0.76
45°	1.84	140°	0.68
50°	1.81	150°	0.52
60°	1.73	160°	0.35
70°	1.64	170°	0.17
80°	1.53	180°	0.00
90°	1.41	—	—

Table 1

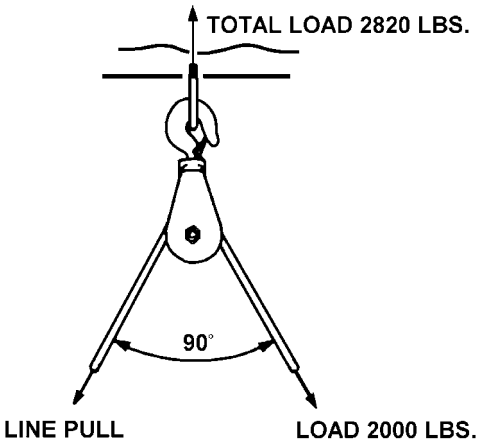
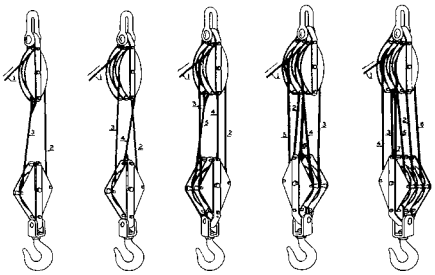


Figure No. 3

Method of Reeving Manila and Wire Rope Blocks

The method of reeving tackle blocks will vary with the applications. With heavy lift cargo booms, cranes and so forth, where blocks with four sheaves or more are required, a number of lead blocks have to be considered. The Campbell engineering department will be happy to assist on such applications.



The methods of reeving tackle blocks will vary with the applications.

Method of Figuring "Parts of Line"

$$\frac{L}{P} = E$$

L = Load lifted in pounds
P = Line pull in pounds
E = Efficiency factor

For example: To figure "Parts of Line" required when load lifted "L" and line pull "P" are known.

Parts of Line =		1	2	3	4	5	6	7	8	9	10	11	12
"E" Factors	Bronze Bushed	0.96	1.85	2.8	3.6	4.4	5.2	5.9	6.6	7.3	7.9	8.5	9.1
	Roller Bearing	0.98	1.9	2.9	3.8	4.7	5.6	6.5	7.3	8.2	9.0	9.8	10.6

$$\frac{\text{32,000 lb. (Load lifted "L")}}{\text{6,000 lb. (Line pull "P")}} = 5.3 \text{ ("E")}$$

You can see in the table at the right that an "E" factor of 5.3 requires 6 "Parts of Line".

Sheave, Bushing and Bearing Information

Anti-friction Bearings (tapered, needle and ball bearings) are for faster line speeds and more frequent use at greater loads (minimum bearing friction).
Iron Bushings (common bore) are very low speed lines and very infrequent use (high bearing friction).
Bronze Bushings (self lubricating bronze, graphite bronze and pressure lubrication bronze) are for slow line speeds.
Self-lubricating bronze and graphite bronze bushings are for infrequent use (moderate bearing friction). Pressure lubrication bronze bushings are for frequent use at greater loads (moderate bearing friction). The performance of bronze bushings is best determined by the "PV Factor" (maximum pressure velocity) at which the bearing is operating. This is the relationship between bearing pressure and bearing surface velocity. Brewer-Titchener™ bronze bushings have the following material properties:

Maximum Bearing Pressure (BP): 4,500 pounds per square inch
Maximum Bearing Velocity (BV): 1,200 feet per minute
Maximum Pressure Velocity Factor (PV): 55,000
(Due to material property relations, the maximum BP times the maximum BV is not equal to the maximum

To calculate Bearing Pressure (BP):

$$\textbf{BP} = \frac{\text{Line Pull x Bight Angle Factor}}{\text{Shaft Diameter x Hub Width}}$$

To calculate Bearing Velocity (BV):

$$\textbf{BV} = \frac{\text{PV}}{\text{BP}}$$

To calculate Line Speed:

$$\textbf{LINE SPEED} = \frac{\text{BV (Tread Diameter + Rope Diameter)}}{\text{Shaft Diameter}}$$

These formulas can be used to determine the maximum allowable line speed for a given total sheave load. The maximum allowable line speed should be equal to or exceeding the required line speed. If the required line speed is greater than the calculated maximum allowable line speed, increase the shaft diameter and/or the hub width. For example:

Using a 12" diameter sheave (tread diameter = 10.25"; wire diameter = 0.75"; shaft diameter = 1.50"; hub width = 1.62"), a 5,000 lb. line pull and a 90° bight angle determine the allowable line speed.

BP = (5,000 lb.) x (1.41*) / (1.50" x 1.62") = 2,901 psi
(line pull) (bight angle factor)/(shaft dia.) (hub width)

BV = (55,000 psi.) / 2,901 = 19 FPM Allowable
(PV factor) (BP)

Line Speed = 19 x (10.25" + 0.75") / 1.50" = 139 FPM Allowable
(BV) (tread dia. + rope dia.) (shaft dia.)

Testing of Blocks and Fittings for Commercial Marine Cargo Vessels

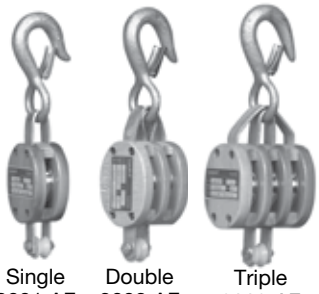
The Campbell plant has the facilities to proof test and certify blocks and fittings to meet the safety standards established by most maritime nations. Following are the proof tests required for maritime certification.

1. Shackles, hooks, links and swivels; proof tested to twice the working load limit.
2. Multiple-sheave blocks up to 20-ton (18, 144-Kgs.) working load limit; proof tested to twice the working load limit.
3. Multiple-sheave blocks with working load limits of 20-40 ton (18,144-36,288 Kgs.): proof tested to 20 ton (18, 144 Kgs.) in excess of the working load limit.
4. Multiple-sheave blocks with working load limits over 40 ton (36,288 Kgs.): proof tested to 1.5 times the working load limit.
5. Single blocks proof tested to 4 times the line pull.
6. Cargo hoisters (6001 Series): proof tested to 4 times the line pull shown in the catalog. All other single blocks proof tested to twice the work load shown in the catalog, and marked with a working load one half that shown in the catalog.

All blocks and fittings certified to maritime standards will be indelibly marked with working load, proof test and identifying number. All tests will be in long ton equal to 2,240 pounds (1,016 Kgs.)

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

Regular Wood Shell Blocks for Manila Rope



Single 3001 AF | Double 3002 AF | Triple 3003 AF

Screw Pin Anchor Shackle, Fitting "K"

Flatted, Loose Swivel Hook with Latch, Fitting "G"

- Hard wood shells
- Drop forged fittings
- Available with bronze self-lubricating bushings
- Galvanized metal parts

Specifications

Block Size	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
	3	76	4	102	5	127	6	152	8	203	10	254
Diameter Rope	3/8	10	1/2	13	5/8	16	3/4	19	1	25	1 1/8	29
Sheave Size												
O.D.	1 3/4	44	2 1/4	57	3	76	3 1/2	89	4 3/4	121	6 1/4	159
Rim												
Thickness	1/2	13	5/8	16	3/4	19	1	25	1 1/8	29	1 1/4	32
Center Pin												
Dia.	3/8	10	3/8	10	3/8	10	1/2	13	5/8	16	5/8	16
Weight												
	lb	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
Single	1	.4	2	1	2 1/2	1	4	2	9 1/2	4	17	8
Double	1 1/2	1	3	1	4	2	6 1/2	3	13	6	25	11
Triple	2	1	4	2	5 1/2	2	9	4	17	8	32	15
Working Load Limit												
	lb	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
Single	500	227	1000	454	1200	544	1800	816	2800	1270	4000	1814
Double	800	363	1400	635	1800	816	2500	1134	3800	1724	6000	2722
Triple	1200	544	1800	816	2400	1089	3200	1452	4800	2177	8000	3629

Working Loads are Resultant Working Loads.

Block Size	**Inch**	**mm**	**Inch**	**mm**	**Inch**	**mm**	**Inch**	**mm**	**Inch**	**mm**
	3	76	4	102	5	127	6	152	8	203
Fittings Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Round Loose Hook "AF"										
Single	**7205336**	165894	**7205436**	165900	**7205536**	165917	**7205636**	165924	-	-
Double	**7206836**	165948	**7206936**	165955	**7207036**	165962	**7207136**	165979	-	-
Triple	-	-	**7208536**	166006	**7208636**	166013	**7208736**	166020	-	-
Loose, Swivel Hook with Latch "G"										
Single	-	-	**7205434**	104282	-	-	-	-	-	-
Double	-	-	**7206934**	105210	-	-	-	-	-	-
Triple	-	-	**7208534**	106118	-	-	-	-	-	-
Screw Pin Anchor Shackle "K"										
Single	-	-	**7205435**	104299	**7205535**	104442	**7205635**	104596	**7205835**	104794
Double	-	-	**7206935**	105227	**7207035**	105371	**7207135**	105524	**7207335**	105692
Triple	-	-	-	-	-	-	**7208735**	106422	-	-

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Painter's Staging Blocks

- Wood blocks
- Roller bushed
- For 3/4 in. manila rope
- Galvanized metal parts
- 6 in. shell; sheave size 3-1/2 OD x 1 in. rim x 1/2 in. pin

3001 J

Fittings	Single with Becket		Double with Becket	
	Cat. No.	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Long, Loose Hook "J"	**7209803**	106767	**7209815**	167898
Latched, Long, Loose Hook "JS"	**7209814**	169939	-	-

Ideal Steel Blocks for Manila Rope

- Steel shells with drop forged flatted hooks
- Painted
- Available with bronze self-lubricating bushings or iron bushed

Specifications				
Block Size	**in.**	**mm**	**in.**	**mm**
	4	102	5	127
Diameter Rope	½	13	⅝	16
Sheave Size				
O.D.	2¼	57	3	76
Rim Thickness	⅝	16	¾	19
Center Pin Dia.	⅜	10	⅜	10
Weight	**lb**	**kg**	**lb**	**kg**
Single	2	1	2½	1
Double	3	1	3½	2
Triple	3½	2	5	2
Working Load Limit	**lb**	**kg**	**lb**	**kg**
Single	500	227	700	318
Double	600	272	900	408
Triple	900	408	1500	680

Working Loads are Resultant Working Loads.

Single
3031 F

Double
3032 F

Block Size		Inch 4	mm 102	Inch 5	mm 127
Fittings	Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Front Eye, Flatted, Loose Hook "F" Painted					
Bronze SL Bushed	Single	-	-	**7231533**	207358
	Double	-	-	-	-
Iron Bushed	Single	-	-	-	-
	Double	**7231913**	170126	-	-

⚠ ADVERTENCIA

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- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

B & L Star Metal Blocks for Manila or Fiber Rope

Single
3041 AF

Double
3042 AF

Screw Pin
Anchor Shackle,
Fitting "K"

Flatted, Loose
Swivel Hook
with Latch,
Fitting "G"

- Steel shells
- Available with bronze self-lubricating bushings
- Galvanized finish

Specifications

Block Size	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
	3	76	4	102	5	127	6	152	8	203
Diameter Rope	3/8	10	1/2	13	5/8	16	3/4	19	1	25
Sheave Size										
O.D.	1 3/4	44	2 1/4	57	3	76	3 1/2	89	4 3/4	121
Rim Thickness	1/2	13	5/8	16	3/4	19	1	25	1 3/8	29
Center Pin Dia.	3/8	10	3/8	10	3/8	10	1/2	13	5/8	16
Weight	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
Single	1 1/2	1	2 1/2	1	4	2	6	3	11	5
Double	2	1	3 1/2	2	6	3	9 1/2	4	16 1/2	7
Triple	2 1/2	1	4 1/2	2	8	4	12	5	23	10
Working Load Limit	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
Single	700	318	1100	499	1300	590	2000	907	3300	1497
Double	1000	454	1600	726	2200	998	3300	1497	5100	2313
Triple	1400	635	2200	998	3200	1452	4000	1814	7000	3175

Working Loads are Resultant Working Loads.

Block Size		**Inch** 3	**mm** 76	**Inch** 4	**mm** 102	**Inch** 6	**mm** 152	**Inch** 8	**mm** 203
Fittings	Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Round LooseHook "AF"									
Bronze SL Bushed, Galvanized	Single	**7245335**	171734	**7245435**	171765	-	-	-	-
	Double	-	-	**7246935**	171901	**7247135**	171963	**7247335**	171987
	Triple	-	-	**7248535**	172045	-	-	-	-
Flatted, Loose, Swivel Hook with latch "G"									
Bronze SL Bushed, Galvanized	Single	**7245334**	109034	**7245434**	109188	-	-	-	-
	Double	-	-	-	-	-	-	-	-
	Triple	-	-	-	-	-	-	-	-
Screw Pin Anchor Shackle "K"									
Bronze SL Bushed, Galvanized	Single	**7245336**	109041	-	-	-	-	-	-
	Double	-	-	-	-	**7247136**	110368	-	-
	Triple	-	-	-	-	-	-	**7248936**	111402

Note: These items are made to order

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Gin or Roofer's Block for Manila Rope

- This block is furnished with a drop forged, flatted, swivel hook with latch
- Roller bushing; painted finish

Specifications		
Block Size		
	in.	**mm**
	12	305
Diameter Rope	1	25
Sheave Size		
O.D.	12	305
Rim Thickness	1 3/8	35
Center Pin Dia.	5/8	16
Weight		
	lb	**kg**
	13	6
Working Load Limit*		
	lb	**kg**
	1000	454
Working Loads are Resultant Working Loads		
	Cat. No.	UPC. No. **020418**
Block	**7269812**	115387

***Warning:** Do not exceed Working Load Limit. Lift should not exceed 500 pounds.

3061V

Blocks

ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Drop Link, Manila Rope Snatch Blocks

Wood,
3071 V

Steel,
3073 V

Stiff Swivel Hook
with Latch,
Fitting "V"

- Shells from wood or steel
- Cross-bolted shell
- Fittings drop forged; metal parts galvanized
- Available with bronze self-lubricating bushing
- Drop link snatch blocks are primarily used as lead blocks; not recommended for hoisting

Specifications						
Block Size	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**
	4	102	6	152	8	203
Diameter Rope	3/4	19	7/8	22	1	25
Sheave Size						
O.D.	2	51	3	76	4 1/2	114
Rim Thickness	7/8	22	1 1/8	29	1 3/8	35
Bearing Diameter	5/8	16	3/4	19	7/8	22
Center Pin Dia.	3/8	10	1/2	13	5/8	16
Weight	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
Wood, 3071	2	1	9	4	12 1/2	6
Steel, 3073	2	1	6	3	13	6
Working Load Limit	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
	750	340	2400	1089	4800	2177

Working Loads are Resultant Working Loads.

Block Size		**Inch**	**mm**	**Inch**	**mm**	**Inch**	**mm**
		4	102	6	152	8	203
Fittings	Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Stiff Swivel Hook with Latch "V"							
Bronze Bushed, Galvanized	Wood, 3071	**7265486**	112881	**7265686**	113130	**7265886**	113420
Bronze Bushed, Galvanized	Steel, 3073	-	-	**7265696**	113192	**7265896**	113482

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Safety Locking, Manila Rope Snatch Blocks

- Wood or steel shells
- Bronze self-lubricated bushings
- Drop forged fittings
- Painted or galvanized fittings

Stiff Swivel Hook with Latch, Fitting "V"

Wood, 3072 V

Steel, 3074 V

Specifications				
Block Size	**in.**	**mm**	**in.**	**mm**
	6	152	8	203
Diameter Rope	7/8	22	1	25
Sheave Size				
O.D.	3	76	4 1/2	114
Rim Thickness	1 1/8	29	1 3/8	35
Bearing Diameter	3/4	19	7/8	22
Center Pin Dia.	1/2	13	5/8	16
Weight	**lb**	**kg**	**lb**	**kg**
Wood, 3072	9	4	12 1/2	6
Steel, 3074	6	3	13	6
Working Load Limit	**lb**	**kg**	**lb**	**kg**
	3000	1361	5000	2268

Working Loads are Resultant Working Loads.

Block Size		**Inch**	**mm**	**Inch**	**mm**
		6	152	8	203
Fittings	Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Stiff Swivel Hook with Latch "V"					
Bronze Bushed, Galv. SL	Wood, 3072	**7267186**	114250	**-**	-
Bronze Bushed, Galv. SL	Steel, 3074	**7267196**	114311	**7267396**	114472

SL stands for self-lubricating bushings

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Nylon Blocks for Manila Rope

Single
3101 F

Double
3102 F

Triple
3103 F

- Nylon shells and sheaves
- Fittings are drop forged
- Plated strap and connections

Specifications		
Block Size	**in.**	**mm**
	2	51
Diameter Rope	⅜ - ½	10 - 13
Sheave Size		
O.D.	2	51
Rim Thickness	1⅛	29
Bearing Diameter	⅝	16
Center Pin Dia.	⅜	10
Weight	**lb**	**kg**
Single	7	3
Double	12	5
Triple	16	7
Working Load Limit	**lb**	**kg**
Single	500	227
Double	1000	454
Triple	1200	544

Working Loads are Resultant Working Loads.

Fittings		
Type	**Cat. No.**	UPC No. **020418**
Loose, Hook with Latch "F"		
Single	-	-
Double	**7222213**	107320
Triple	**7223213**	107375
Loose, Swivel Hook with Latch "G"		
Single	**7220214**	107276
Double	**7222214**	107337

Blocks

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Eastern, Manila Rope Snatch Blocks

- All fittings are drop forged
- Galvanized

Specifications		
Block Size	**in.**	**mm**
	6	152
Diameter Rope	7/8	22
Sheave Size		
O.D.	3	76
Rim Thickness	1 1/8	29
Bearing Diameter	3/4	19
Center Pin Dia.	1/2	13
Weight	**lb**	**kg**
Steel, Galvanized, 3075	9	4
Working Load Limit	**lb**	**kg**
	3000	1361

Working Loads are Resultant Working Loads.

Safety Locking
3075 V

Block Size		in.	mm
		6	152
Fittings	Type	**Cat. No.**	UPC No. **020418**
Stiff Swivel Hook with Latch "V"			
Bronze Bushed, Galv. SL	Safety, 3075	**7268796**	115004

Note: SL stands for self-lubricating bushings.

Team Snatch Blocks for Wire Rope

- Steel shells with steel sheaves
- Drop forged fittings
- Bronze, self-lubricating bushings
- Painted finish

Specifications		
Diameter Rope	**in.**	**mm**
	5/8	16
Sheave Size		
O.D.	6	152
Rim Thickness	1 1/4	32
Bearing Diameter	1 1/4	32
Center Pin Dia.	1	25
Weight	**lb**	**kg**
Steel, Galvanized, 3075	34	15
Working Load Limit	**ton**	**kg**
	7	6350

Working Loads are Resultant Working Loads.

4091V

Fittings	Cat. No.	UPC No. 020418
	7329919	123221

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Extra Heavy, Eastern Pattern Snatch Blocks

4102V

- Steel shells with steel sheaves
- Drop forged fittings
- Bronze self-lubricating bushings
- Features steel sleeve over sheave pin which increases strength and durability
- Combination score to handle variety of sizes of wire and manila rope

Block Size	in.	mm
	6	152

Fittings Type	Cat. No.	UPC No. 020418
4102 with Galvanized Finish		
Fitting V	**7336624**	123849

Specifications		
Block Size	**in.**	**mm**
	6	152
Diameter Rope		
Manila	7/8	22
Wire	3/8	10
Sheave Size		
O.D.	3	76
Rim Thickness	1 1/8	29
Bearing Diameter	1	25
Center Pin Dia.	1/2	13
Weight	**lb**	**kg**
	10	5
Working Load Limit*	**ton**	**kg**
	2	1814

*** Warning:** Do not exceed Working Load Limit
Working Loads are Resultant Working Loads.

Blocks

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Drop Side Snatch Blocks

- Steel shells with steel sheaves
- Drop forged fittings
- Galvanized
- For wire or manila rope
- 3 in. and 4½ in. blocks have bronze self-lubricating bushings; 6 in. and larger blocks have grooved bronze bushings with pressure greased lubrication
- Special feature: the bolt cannot be lost when the block is opened; connections are easily interchangeable

4099 H

4099 Q

Specifications						
Block Size	**in.**	**mm**	**in.**	**mm**	**in.**	**mm**
	3	76	4½	114	6	152
Diameter Rope						
Manila	-	-	1	25	1½	38
Wire	⅜	10	½	13	¾	19
Sheave Size						
O.D.	3	76	4½	114	6	152
Center Pin Dia.	¾	19	1	25	1½	38
Weight	**lb**	**kg**	**lb**	**kg**	**lb**	**kg**
w/Connection	5	2	12	5	26	12
w/o Connection	3	1	6	3	15	7
Working Load Limit	**ton**	**kg**	**ton**	**kg**	**ton**	**kg**
	2	1814	4	3629	8	7258

Working Loads are Resultant Working Loads.

		H		V		Q		P		NC	
Fittings	Type	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
3" Self-lube	Wire	**7339750**	124716	**7339754**	124754	**7339752**	124730	**7339756**	185977	**7339755**	124761
4 1/2" Bronze	Wire	**7339760**	124778	**7339764**	124815	**7339762**	124792	-	-	**7339765**	124822
6" Bronze PL	Wire	**7339790**	124952	**7339794**	124990	**7339792**	124976	-	-	-	-

Connection Types	
"H" - Hook, no latch	**"P"** - Drilled swivel eye
"V" - Hook, with latch	**"NC"** - No connection
"Q" - Screw pin anchor shackle	

⚠ ADVERTENCIA

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  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

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  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Iron Sheaves for Manila Rope

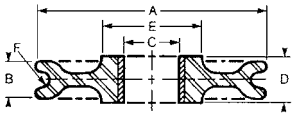
4213

- Cast iron sheaves
- Available with bronze self-lubricating bushings
- Galvanized

Specifications									
Outside Diameter		Rim Width		Pin Diameter		Maximum Fiber		Bronze Bushed Self-lube	
in.	mm	in.	mm	in.	mm	in.	mm	Cat. No.	UPC No. 020418
1 3/4	44	1/2	13	3/8	10	3/8	10	**7344032**	126475
2 1/4	57	5/8	16	3/8	10	1/2	13	**7344132**	126482
3	76	3/4	19	3/8	10	5/8	16	**7344232**	126505
3 1/2	89	1	25	1/2	13	3/4	19	**7344432**	126536
4 3/4	121	1 1/8	29	5/8	16	1	25	**7344832**	126581

Extra Heavy, Iron Sheaves for Wire Rope

4231



- Cast iron sheaves
- Available with iron bushing or bronze self-lubricating bushing
- Painted or galvanized finish

Specifications																	
"A" Outside Diameter		"B" Rim Width		"C" Pin Diameter		"D" Hub Width		"E" Hub Diameter		"F" Maximum Wire Rope		Weight		Iron Bushed		Bronze Bushed Self-lube	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418
3	76	1/2	13	3/8	10	9/16	14	1 1/8	29	1/4	6	5/8	0.28	-	-	**7360122**	127649
3	76	3/4	19	3/8	10	13/16	21	1 1/8	29	3/8	10	3/4	0.34	-	-	**7360222**	127656
4	102	3/4	19	1/2	13	13/16	21	1 1/2	38	3/8	10	1 1/2	0.68	-	-	**7360522**	127694
4	102	3/4	19	3/4	19	13/16	21	1 1/2	38	3/8	10	1 1/2	0.68	-	-	**7365522**	128363
4	102	1	25	3/4	19	1 1/16	27	2	51	1/2	13	2 1/2	1.13	-	-	**7365622**	128370
5	127	1	25	3/4	19	1 1/16	27	2 1/8	54	1/2	13	3	1.36	**7350922**	126925	**7360922**	127755
6	152	3/4	19	5/8	16	13/16	21	2 1/8	54	3/8	10	3	1.36	**7351022**	126932	**7361022**	127762
6	152	1	25	3/4	19	1 1/16	27	2 1/4	57	3/8	10	4 3/4	2.15	-	-	**7361234**	127809
6	152	1	25	1	25	1 1/16	27	2 1/4	57	3/8	10	4 3/4	2.15	-	-	**7361432**	127854
6	152	1	25	5/8	16	1 1/16	27	2 1/8	54	1/2	13	4 1/2	2.04	**7351122**	126949	-	-
6	152	1	25	3/4	19	1 1/16	27	2 1/8	54	1/2	13	4 1/2	2.04	-	-	**7361222**	127786
6	152	1	25	3/4	19	1 1/16	27	2 1/8	54	1/2	13	4 1/2	2.04	-	-	**7361224**	127793
6	152	1	25	7/8	22	1 1/16	27	2 1/8	54	1/2	13	4 1/2	2.04	-	-	**7361322**	127830
6	152	1	25	1	25	1 1/16	27	2 1/8	54	1/2	13	4 1/2	2.04	-	-	**7361422**	127847
6	152	1	25	1 1/4	32	1 1/16	27	2 1/4	57	1/2	13	4 1/2	2.04	-	-	**7361522**	127861

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Extra Heavy, Iron Sheaves for Wire Rope (cont.)

Specifications																	
"A" Outside Diameter		"B" Rim Width		"C" Pin Diameter		"D" Hub Width		"E" Hub Diameter		"F" Maximum Wire Rope		Weight		Iron Bushed		Bronze Bushed Self-lube	
														Cat.	UPC No.	Cat.	UPC No.
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	No.	020418	No.	020418
8	203	1	25	3/4	19	1 1/16	27	2 1/8	54	1/2	13	6 1/4	2.84	**7351722**	127038	**7361722**	127885
8	203	1	25	3/4	19	1 1/16	27	2 1/8	54	1/2	13	6 1/4	2.84	-	-	**7361733**	127892

Lineman's Snatch Block, 5022

- For stringing light conductor cable
- Hook fits around insulator pin or in the insulator hole, which can be driven into a pole or cross arm
- Available with or without hook
- Available bronze, self-lubricating bushings or roller bushed bearings

	Bronze Bushed, SL		Roller Bushed		Weight	
	Cat.	UPC No.	Cat.	UPC No.		
Description	No.	020418	No.	020418	lb	kg
With Hook	**7380602**	129841	**7380601**	129834	2 1/2	1.13
Without Hook	**7380603**	129858	-	-	2 1/4	1.02

Blocks

Hand Line Utility Block, CHB300

- Side opening block with latched swivel hook, or swivel meat hook
- Block and sleeve constructed of rugged reinforced nylon fiberglass high di-electric material and feature reinforced swivel bearings
- 3" sheaves - blocks can accommodate rope through 5/8" diameter
- **Blocks rated at 1,000 lb. Working Load Limit** and designed with a 3 to 1 safety factor

7380300

7380302

Description	Cat. No.	UPC No. 020418	Weight lb	Weight kg
Swivel Hook with Latch	**7380300**	225680	1.7	0.77
Swivel Meat Hook	**7380302**	225697	1.65	0.75

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Try Net, 6150T

- Forged steel swivel eye
- Hardened steel sheave for wear resistance
- Bronze bushing with pressure greased lubrication

Cat. No.	UPC No. 020418	Working Load Limit		Weight	
		ton	kg	lb	kg
7399058	130472	3	2722	19	9
7399158	130496	5	4536	22	10

Come-Along Hook, No. 5012

- 1/2” forged steel
- Galvanized finish
- Swivel eye

Cat. No.	UPC No. 020418	Working Load Limit			Weight	
		ton	kg	Finish	lb	kg
7380101	129742	Not Rated		Galvanized	19	9

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
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Blocks

⚠ ADVERTENCIA

- Antes de usar las pastecas, conozca el limite de carga de trabajo de los mismos.
  NO EXCEEDA EL LIMITE DE CARGA DE TRABAJO.
- Las cargas de trabajo son las fuerzas resultantes de las cargas de trabajo.

⚠ WARNING

- Know the Working Load Limit of the block, or blocks, to be used.
  DO NOT EXCEED THE WORKING LOAD LIMIT.
- Working Loads are Resultant Working Loads.

Campbell®

CHAIN SLINGS

Campbell® Chain Slings Table of Contents

Founded in 1919, Campbell is the largest manufacturer of welded and weldless chain in the United States. Users of Campbell chain can select from a wide range of working load capacities including proof coil, high test, transport and alloy; finishes including self-colored, Blu-Krome®, galvanized and bright color polycoated; links that are short, long, twisted, locked, looped, even stamped from flat stock. Several chain types are even available in solid brass and bronze. Campbell chains and assemblies, including slings for overhead lifting, tie-downs and binder chains, have earned for the manufacturer an outstanding reputation for quality.

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

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NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our product, they can change without notice.

Campbell's Chain Sling Program Surveys, Seminars and Schools

Users of Campbell Chain Slings may receive annual surveys to assure compliance with OSHA standards. These thorough in-plant inspections by qualified Apex Tool Group/Campbell personnel can point out potential problems, encourage proper handling and storage, show how to reduce inventory and increase productivity.

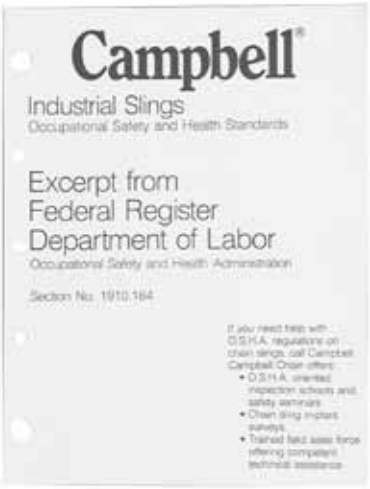
Upon completion of the survey, Campbell will provide a complete report on the status of every Campbell chain sling and clamp for your OSHA compliance files.

To instruct customers in the proper use of slings as well as in maintenance and safety procedures, Campbell will conduct seminars in your plant or at its local sling repair center. Further, if interested, we'll train your plant personnel to conduct their own sling survey in a one and a half day "school" held at our York, Pennsylvania plant. Upon completion of this school, your personnel will be fully qualified to perform OSHA compliance inspections.

Repairs

Campbell's sling repair centers across the U.S. help make the most of your company's chain sling investment. Wherever economical reconditioning is possible, Campbell will advise you on estimated cost. A nearby center will then repair, proof-test and issue new certificates of test to put your slings back to work quickly.

To Supplement Your Sling Chain Program



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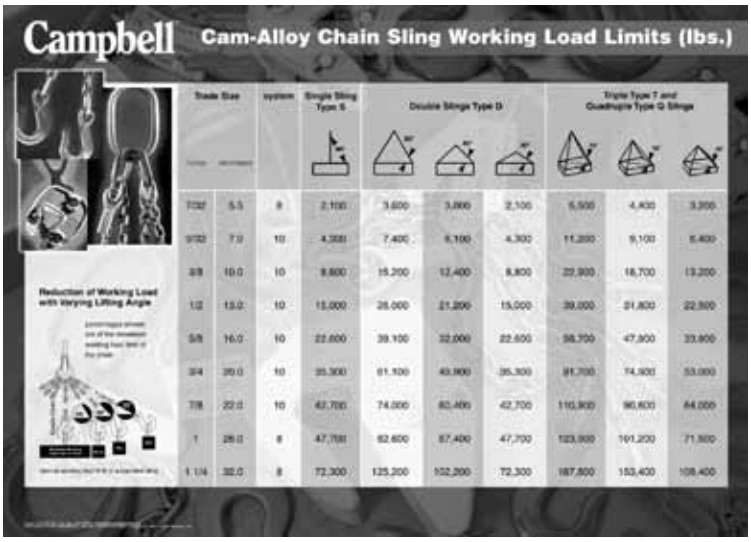

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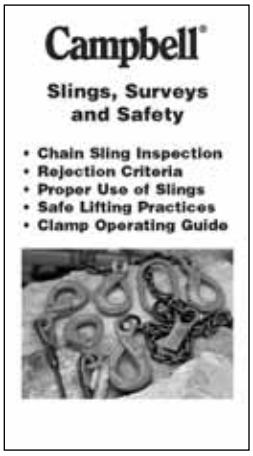

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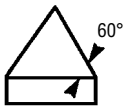
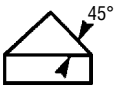
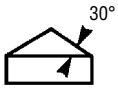
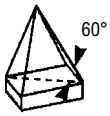
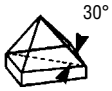
French / Spanish Number 550515

Number 550681

Slings

Rated Loads For Grade 80 (System 8) Alloy Steel Chain Slings

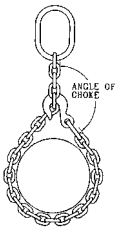
Rated Load for Grade 80 Alloy Steel Chain Slings

Chain Size Nominal		Single Leg Sling - 90° - Horizontal Loading		Rated load Double Leg Sling and Single Basket at Horizontal Angle						Triple and Quadruple Leg Sling and Double Basket at Horizontal Angle					
				 Double at 60°		 Double at 45°		 Double at 30°		 Quad at 60°		Quad at 45°		 Quad at 30°	
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
7/32	5.5	2,100	950	3,600	1,650	3,000	1,350	2,100	950	5,500	2,450	4,400	2,000	3,200	1,450
9/32	7	3,500	1,600	6,100	2,750	4,900	2,250	3,500	1,600	9,100	4,150	7,400	3,400	5,200	2,400
3/8	10	7,100	3,200	12,300	5,550	10,000	4,500	7,100	3,200	18,400	8,300	15,100	6,800	10,600	4,800
1/2	13	12,000	5,400	20,800	9,450	17,000	7,700	12,000	5,400	31,200	14,150	25,500	11,550	18,000	8,200
5/8	16	18,100	8,200	31,300	14,200	25,600	11,600	18,100	8,200	47,000	21,300	38,400	17,400	27,100	12,300
3/4	20	28,300	12,800	49,000	22,250	40,000	18,150	28,300	12,800	73,500	33,400	60,000	27,250	42,400	19,300
7/8	22	34,200	15,500	59,200	26,850	48,400	21,900	34,200	15,500	88,900	40,250	72,500	32,900	51,300	23,250
1	26	47,700	21,600	82,600	37,500	67,400	30,600	47,700	21,600	123,900	56,250	101,200	45,950	71,500	32,500
1 1/4	32	72,300	32,800	125,200	56,800	102,200	46,400	72,300	32,800	187,800	85,200	153,400	69,600	108,400	49,200

Rated Loads for Grade 80 Alloy Steel Chain Slings - Choker Hitches

Chain Size Nominal		Single Leg		Double Leg and Single Baskets						Triple and Quadruple Leg; Double Baskets					
		90°		60°		45°		30°		60°		45°		30°	
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
7/32	5.5	1,700	750	2,900	1,300	2,400	1,100	1,700	750	4,400	1,950	3,500	1,600	2,550	1,150
9/32	7	2,800	1,300	5,000	2,200	3,900	1,800	2,800	1,300	7,300	3,300	5,900	2,700	4,150	1,900
3/8	10	5,700	2,550	9,800	4,450	8,000	3,650	5,700	2,550	14,700	6,650	12,100	5,450	8,500	3,850
1/2	13	9,600	4,300	16,600	7,550	13,600	6,150	9,600	4,300	25,000	11,300	20,400	9,250	14,400	6,550
5/8	16	14,500	6,550	25,000	11,350	20,500	9,300	14,500	6,550	37,600	17,050	30,700	13,900	21,700	9,850
3/4	20	22,600	10,250	39,200	17,800	32,000	14,500	22,600	10,250	58,800	26,700	48,000	21,800	33,900	15,450
7/8	22	27,400	12,400	47,400	21,500	38,700	17,500	27,400	12,400	71,100	32,200	58,000	26,300	41,000	18,600
1	26	38,200	17,300	66,100	30,000	53,900	24,500	38,200	17,300	99,100	45,000	81,000	36,750	57,200	26,000
1-1 1/4	32	57,800	26,250	100,200	45,450	81,800	37,100	57,800	26,250	150,200	68,150	122,700	55,700	86,700	39,350

Note: Angle of choke should be greater than 120°



⚠ ADVERTENCIA

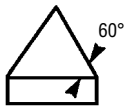
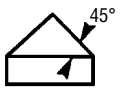
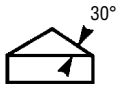
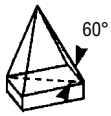
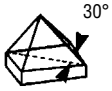
Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Rated Loads For Grade 100 (System 10) Alloy Steel Chain Slings

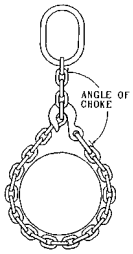
Rated Load for Grade 100 Alloy Steel Chain Slings

Chain Size Nominal		Single Leg Sling - 90° - Horizontal Loading		Rated load Double Leg Sling and Single Basket at Horizontal Angle						Triple and Quadruple Leg Sling and Double Basket at Horizontal Angle					
				 Double at 60°		 Double at 45°		 Double at 30°		 Quad at 60°		Quad at 45°		 Quad at 30°	
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
9/32	7	4,300	1,950	7,400	3,400	6,100	2,750	4,300	1,950	11,200	5,050	9,100	4,150	6,400	2,950
3/8	10	8,800	4,000	15,200	6,950	12,400	5,650	8,800	4,000	22,900	10,400	18,700	8,500	13,200	6,000
1/2	13	15,000	6,800	26,000	11,800	21,200	9,600	15,000	6,800	39,000	17,650	31,800	14,450	22,500	10,200
5/8	16	22,600	10,300	39,100	17,750	32,000	14,500	22,600	10,300	58,700	26,650	47,900	21,750	33,900	15,400
3/4	20	35,300	16,000	61,100	27,700	49,900	22,650	35,300	16,000	91,700	41,550	74,900	33,950	53,000	24,000
7/8	22	42,700	19,400	74,000	33,500	60,400	27,350	42,700	19,400	110,900	50,250	90,600	41,050	64,000	29,050

Rated Loads for Grade 100 Alloy Steel Chain Slings - Choker Hitches

Chain Size Nominal		Single Leg		Double Leg and Single Baskets						Triple and Quadruple Leg; Double Baskets					
		90°		60°		45°		30°		60°		45°		30°	
in.	mm	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
9/32	7	3,500	1,600	6,100	2,750	4,900	2,250	3,500	1,600	9,100	4,150	7,400	3,400	5,200	2,400
3/8	10	7,100	3,200	12,300	5,550	10,000	4,550	7,100	3,200	18,400	8,300	15,100	6,800	10,600	4,800
1/2	13	12,000	5,400	20,800	9,450	17,000	7,700	12,000	5,400	31,200	14,150	25,500	11,550	18,000	8,200
5/8	16	18,100	8,200	31,300	14,200	25,600	11,600	18,100	8,200	47,000	21,300	38,400	17,400	27,100	12,300
3/4	20	28,300	12,800	49,000	22,250	40,000	18,150	28,300	12,800	73,500	33,400	60,000	27,250	42,400	19,300
7/8	22	34,200	15,500	59,200	26,850	48,400	21,900	34,200	15,500	88,900	40,250	72,500	32,900	51,300	23,250

Note: Angle of choke should be greater than 120°



⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Campbell Chain Service Centers

Birmingham Area
Alabama Sling Center
1103 Hoke Ave. Box 203
Dolomite, AL 35061
Phone: (205) 744-0230
Toll Free: (800) 749-0230
Fax: (205) 744-7645

Chicago Area
Alloy Sling Chain Industries, LTD
1406 West 175th Street
East Hazelcrest, IL 60429-1820
Phone: (708) 647-4900
Toll Free: (800) 255-8973
Fax: (708) 647-4993

Cleveland Area
Commercial Group Lifting
Products/Great Lakes
4115 East 116th Street
Cleveland, OH 44105
Phone: (216) 641-4100
Fax: (216) 641-1814

Detroit Area
Commercial Group Lifting
Products/Detroit Chain
8881 Central Avenue
Detroit, MI 48204
Phone: (313) 931-1611
Fax: (313) 931-4728

Houston Area
Bishop Lifting Products, Inc.
125 McCarthy Drive
Houston, TX 77029
Phone: (800) 972-1041
www.lifting.com

Los Angeles Area
John A. Batchelor Company
2853 East 11th Street
Los Angeles, CA 90023
Phone: (323) 262-4125
Fax: (323) 268-8487

Philadelphia Area
I & I Sling Company
2626 Market St. Box 2423
Aston, PA 19014
Phone: (610) 485-8500
Fax: (610) 494-5835

Pittsburgh Area
Safety Sling Company, Inc.
919 Fulton Street
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Carpenter Rigging & Supply
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Quebec, Canada
St-Pierre Chains & Slings, Ltd
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Canada H1J 2M3
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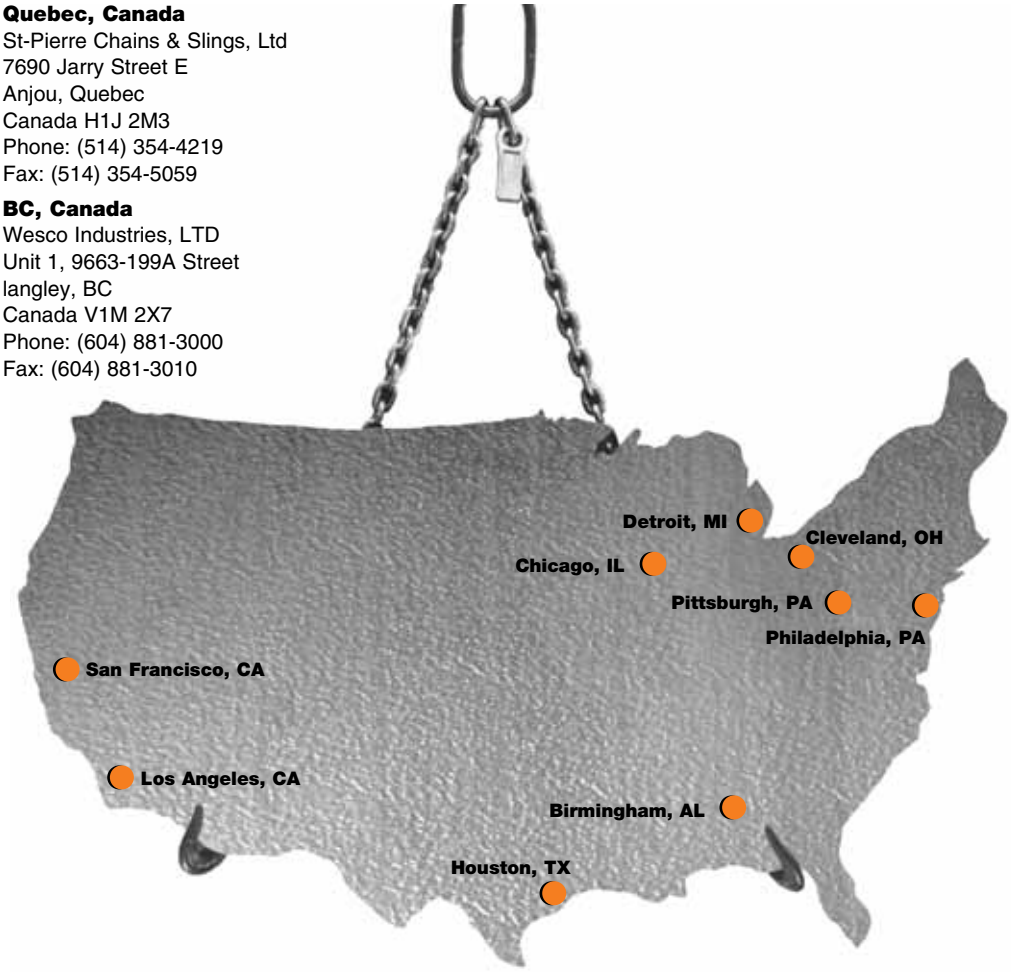
Fax: (514) 354-5059

BC, Canada
Wesco Industries, LTD
Unit 1, 9663-199A Street
langley, BC
Canada V1M 2X7
Phone: (604) 881-3000
Fax: (604) 881-3010



Dependable chain slings. Strong national service network

Our service network is composed of eleven authorized service centers in all, each strategically located across the United States and Canada, to offer fast, dependable service for your chain sling requirements.

Specifically, our chain sling service program offers on-site chain inspections, including a complete report showing the status of all chain slings and Campbell clamps for your OSHA compliance files. All chain slings are fabricated precisely to Campbell's manufacturing specifications. The program also includes in-plant seminars to educate your employees in proper and safe chain sling procedures. Our Campbell Chain facility in York, PA even conducts chain sling schools, free of charge.

Each of our eleven authorized repair facilities has technical and sales support ready to assist you in resolving your overhead lifting needs. Which further proves what we have said all along: Dependable chain slings, strong national service network.

Cam-Alloy Chain Slings

Campbell manufactures a complete line of standard sling assemblies, as well as assemblies to customer specifications. This work is done at authorized Campbell Sling Service Centers located in strategic areas of the country to provide maximum customer service.

Important Chain Terms

WORKING LOAD LIMIT
The "working load limit" (rated capacity) is the maximum combined static and dynamic load in pounds or kilograms which should ever be applied to the product in service, even when the product is new, and when the load is uniformly applied in direct tension to the product.

PROOF TEST
The "proof test" is a quality control test applied to chain for the purpose of verifying weld and material quality. It is the minimum force in pounds or newtons that the chain has withstood in direct tension as part of the manufacturing process. Proof testing assures that the chain is more than capable of performing at its rated working load limit. Proof test loads are a manufacturing integrity test and shall not be used as criteria for service or design purposes. All Campbell chain and components are proof tested in accordance with the applicable ASTM, NACM, OSHA and AISI/ASME requirements.

Certificate of Test and Identification Tags

Campbell provides information in several forms that enables purchasers and users to operate safely and effectively in conformity with OSHA requirements. The drop forged Identification Tag is attached to the Master End Coupling link of each chain sling and provides the following lifetime information:

- Grade
- Size
- Reach
- Working Load Limit (at a specific angle of lift)
- Serial number
- Type

A Certificate of Test is provided for every Campbell manufactured chain sling. The Campbell Certificate contains all of the information provided on the identification tag, plus the Proof Test load as required by OSHA regulations.

Identification Tag

Certificate of Test

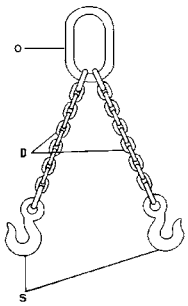
Basic Types of Chain Slings

Slings are designated throughout the industry by the symbols.

First Symbol (Basic type)
S Single Chain Sling with master link and hook, or hook each end.
C Single Choker Chain Sling with master link each end. No hooks.
D Double Chain Sling with standard master link and hooks.
T Triple Chain Sling with standard master link and hooks.
Q Quadruple Chain Sling with standard master link and hooks.
SB Single basket
DB Double basket

Second Symbol (Type of master link or end link)
O Standard Oblong Master Link–Recommended for all types.

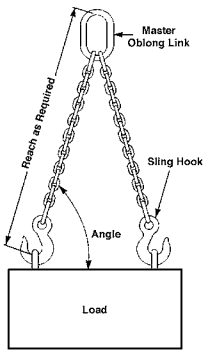
Third Symbol (Type of Hooks)
S Sling Hook
G Grab Hook
F Foundry Hook
SL Self-locking Hook



How to Order Chain Slings

1. Determine the maximum **load** to be lifted.
2. Refer to the following pages and choose the proper **type** of chain sling (single, double, etc.) dictated by the size, shape and weight of the load.
3. Estimate the approximate **angle** between a leg of the sling and the load during operation.
4. Select the proper **attachments** (hooks and master links) for your chain sling.
5. Determine the overall **reach** from bearing point on master link to bearing point on attachment.
6. Refer to the Working Load Limit Chart and to your predetermined angle of the type sling you have selected.
7. Choose the chain size which meets your requirements.
8. When entering your order be sure you give complete information as to the size, reach and attachments required.

Note: Angle to the load on multiple leg slings will be 60° or greater as long as the distance between lifting eyes of load is **not** greater than reach shown on identification tag.



⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Inspection, Care and Proper Use of Chain Slings

Campbell welded chain products and components are designed and built for rugged lasting service. As with any quality product certain precautions and standards of treatment should be observed. Proper care will extend the useful life of the product.

INSTRUCTIONS REGARDING COMPONENTS & FITTINGS

Components, such as master links and hooks, should have at least the same working load limit (rated capacity) as the chain with which they are used. If not, the sling shall be rated to the capacity of the weakest component. Campbell offers a full line of Cam-Alloy® and Quik-Alloy® sling components engineered specifically to be compatible with our alloy chain products.

WARNINGS AND CAUTIONS

- The use of chain, slings, and components are subject to certain hazards that cannot be met by mechanical or manufacturing means, but only by the exercise of intelligence, care, and common sense
- Sling use is subject to the Occupational Safety & Health Administration (OSHA 29 CFR 1910.184) and American Society for Mechanical Engineers (ASME B30.9) safety standards, requiring the sling user to conduct safe working practices and perform inspections
- Do not exceed the working load limit of the sling or any component
- Chemically active environments may adversely affect chain slings. Do not use in highly acidic or caustic environments. Campbell should be contacted if the sling will be exposed to chemically active environments during use
- High and low temperatures will affect chain slings. Campbell should be contacted if temperatures below -20°F (-29°C) will be experienced. The attached Effect of Elevated Temperature on the Working Load Limit of Alloy Chain chart shows the reduction in strength that occurs when chain slings are used at or have been exposed to temperatures above 400°F (204°C)
- Never field weld or repair a chain sling. Chain slings should only be repaired by a qualified repair facility
- See other specific information under the Care, Inspection, and Proper Use sections

INSPECTION

OSHA and ASME safety standards require the user to conduct:

a) Frequent Inspections: A visual inspection for damage, which should be performed each day the sling is used.

b) Periodic Inspections: A complete link by link and component inspection. Periodic inspection intervals vary depending on sling usage and conditions, but must occur at least annually. Written records of periodic inspections are required.

The slings should be inspected for the presence damage. The sling should immediately be removed from service if any of the following conditions are present:

- Missing or unreadable identification tag
- Cracks in the chain or any component
- Excessive nicks, gouges or wear. Chain should be removed from service if the thickness at any point on the link is below the value shown in the attached Cam- Alloy Chain Minimum Allowable Thickness chart. All other components should be removed from service if any dimension is worn more than 10% from the original dimension
- Stretched, bent, twisted, or distorted chain links or components
- Excessive corrosion
- Evidence of heat damage
- Evidence of field welding or weld spatter
- Any other condition which questions the integrity of the chain sling
- Any side movement of the Quik Alloy Coupling Link Pin could indicate excessive wear of the pin or link half and be cause for removal from service
- Depending on the severity of use and environment, individual Quik-Alloy components should be disassembled so that load pins may be thoroughly inspected

CARE

- Chain slings should be stored in a clean and dry area, preferably on a rack, in order to extend their life
- Chain slings should not be stored in areas where they would be subject to damage, corrosion, chemical attack, or extreme temperatures
- Clean slings periodically, as dust and grit can accelerate wear
- During use, chain slings should not be dragged over abrasive surfaces. Loads should not be rested on the chain sling to avoid damage

PROPER USE

To protect the operators, the load, and the sling, the following safe practices should be followed. Campbell also recommends compliance with the OSHA and ASME safety standard practices.

- Select a sling suitable for the load, type of hitch, angle of loading, and environment. The hooks and master links should be of a size to fit the intended connections
- Avoid shock loading
- Pad all sharp edges or corners in contact with the sling to prevent damage to either the sling or the load
- Balance the load to prevent shifting, to maintain control of the load, and to prevent overloading of any leg in a multiple leg sling
- Rig so that the load is properly seated in the hooks and master link. Avoid tip loading of hooks and side loading of master links
- Avoid twisting or kinking of sling legs
- Never knot chain legs

Cam-Alloy Chain -
Minimum Allowable Thickness

Chain Size in.	Chain Size mm	Cat. No. Drum	Actual Size Stock Dia. in.	Actual Size Stock Dia. mm	Min. Allowable Thickness on Any in.	Min. Allowable Thickness on Any mm
7/32	5.5	**0400312**	.218	6	.189	4.80
9/32	7	**0405212**	.282	7	.239	6.07
3/8	10	**0405412**	.402	10	.342	8.69
1/2	13	**0405512**	.522	13	.443	11.26
5/8	16	**0405612**	.643	16	.546	13.87
3/4	20	**0405712**	.802	20	.687	17.45
7/8	22	**0405812**	.881	22	.750	19.05
1	26	**0401612**	1.000	25	.887	22.53
1 1/4	32	**0402012**	1.250	32	1.091	27.71

Effect of Elevated Temperature on the Working Load Limit of Alloy Chain

Temperature (F°)	Temperature (C°)	Grade of Chain: Grade 80 (System8) Reduction of Working Load Limit WHILE AT Temperature	Grade 80 (System8) Reduction of Working Load Limit AFTER EXPOSURE to Temperature	Grade 100 (System 10) Reduction of Working Load Limit WHILE AT Temperature	Grade 100 (System 10) Reduction of Working Load Limit AFTER EXPOSURE to Temperature
< 400°	< 204°	None	None	None	None
400°	204°	10%	None	15%	None
500°	260°	15%	None	25%	5%
600°	316°	20%	5%	30%	15%
700°	371°	30%	10%	40%	20%
800°	427°	40%	15%	50%	25%
900°	482°	50%	20%	60%	30%
1000°	538°	60%	25%	70%	35%

>1000° >538° OSHA requires that any chain sling which has experienced temperatures in excess of 1000° F be removed from service.

PROPER USE (continued)

- Horizontal angles less than 30° should not be used without consulting Campbell or a qualified person
- For choker hitches, angles of choke greater than 120° should not be used without consulting Campbell or a qualified person. Choker hitches reduce the working load limit by 20% (See pages 186 & 187)
- For basket hitches, the minimum recommended diameter of the load is 10 times the nominal chain diameter

Purchasers please note that all "Warnings and Cautions" apply to chain, components and fittings, as well as chain slings. Purchasers are responsible for conveying the "Warnings and Cautions" including the "Inspection, Care and Proper Use" section information to the end user.

Campbell denies any liability for damage that results from use in excess of the working load limit or any abuse or misuse of the product.

Any questions concerning the use of Campbell products may be directed to your Apex Tool Group Sales Representative or Customer Service.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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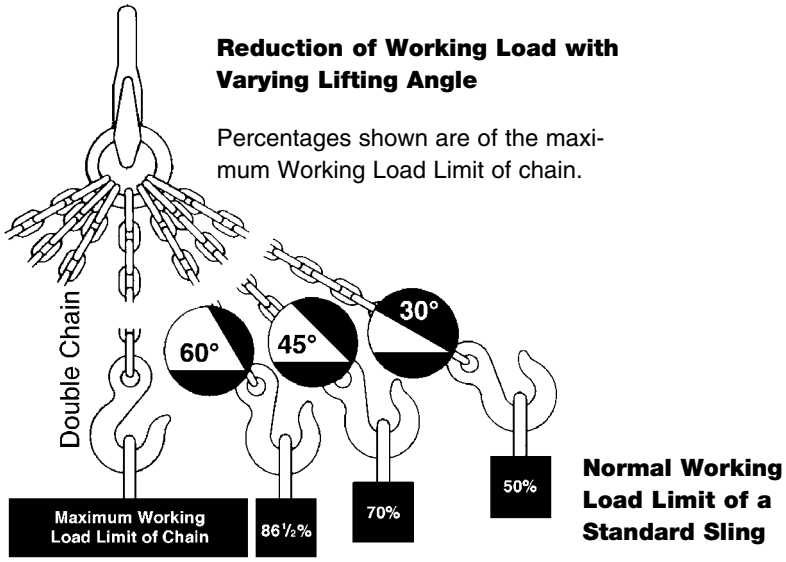
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings

How Lifting Angles Reduce Working Load Limits of Slings



Cam-Alloy Chain Specifications

Cam-Alloy steel chain is electrically welded alloy steel embodying the latest manufacturing technology. Alloy provides a superior chain sling with high tensile strength and excellent wear resistance. The following chains meet or exceed all existing OSHA, ANSI, ASME, NACM and ASTM specification requirements.

The Cam-Alloy chain and attachments used in fabricating Campbell chain slings offer a design factor of 4 to 1. System 8 is Campbell's trade name for Grade 80 chain. System 10 is Campbell's trade name for Grade 100 chain.

Nominal Dimensions (in. and mm)															
Trade Size			Material Diameter		Inside Dimensions				Drum		Working Load Limit				
					Length		Width		Cat. No.	UPC No. 020418			Feet/ Drum	Lb/ 100ft.	Links/ ft.
in.	mm	System	in.	mm	in.	mm	in.	mm			lb	kg			
7/32	5.5	8	.22	6	.69	18	.30	8	**0400312**	063312	2100	970	800	43	17.5
9/32	7	10	.29	7	.86	22	.41	10	**0405212**	182204	4300	1950	500	74	13.8
3/8	10	10	.40	10	1.22	31	.57	14	**0405412**	182211	8800	3990	500	148	10.0
1/2	13	10	.52	13	1.57	40	.75	19	**0405512**	182228	15,000	6800	300	250	7.8
5/8	16	10	.64	16	1.93	49	.87	22	**0405612**	182235	22,600	10,250	200	379	6.5
3/4	20	10	.80	20	2.42	61	1.09	28	**0405712**	182242	35,300	16,000	100	610	4.9
7/8	22	10	.88	22	2.70	69	1.28	31	**0405812**	063497	42,700	19,400	100	775	4.4
1	26	8	1.00	25	2.80	71	1.40	36	**0401612**	063510	47,700	21,600	100	965	4.3
1 1/4	32	8	1.25	32	3.50	89	1.75	44	**0402012**	063534	72,300	32,800	60	1525	3.5

The last digit of the catalog number changes to a 1 if a non-standard quantity is ordered.

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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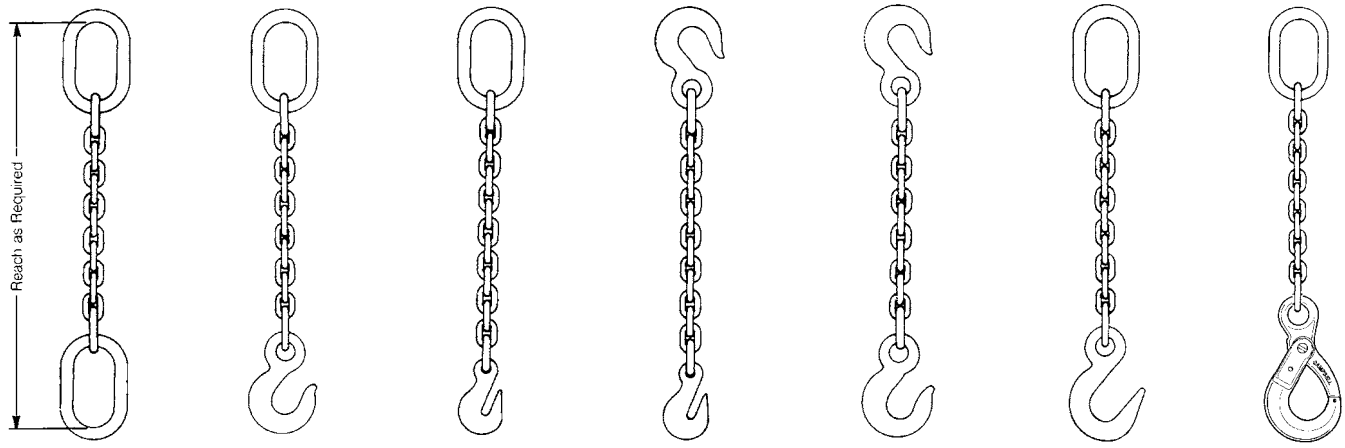
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings
Single Types: S and C



Type CO | Type SOS | Type SOG | Type SSG | Type SSS | Type SOF | Type SOSL

Chain Size		System	Oblong Link						Working Load Limit	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm		in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2½	64	5	127	4,300	1,950
⅜	10	10	13/16	21	3	76	6	152	8,800	4,000
½	13	10	1⅛	29	4	102	8	203	15,000	6,800
⅝	16	10	1⅛	29	4	102	8	203	22,600	10,300
¾	20	10	1¼	32	4	102	8	203	35,300	16,000
⅞	22	10	1⅝	41	5¼	133	10½	267	42,700	19,400
1	26	8	1⅞	48	6	152	12	305	47,700	21,600
1¼	32	8	2	51	7	178	14	356	72,300	32,800

Dimensions are approximate.
Single chain slings are available in other combinations.
These items are made to order.

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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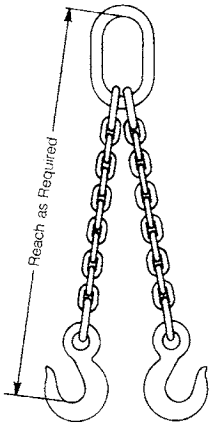
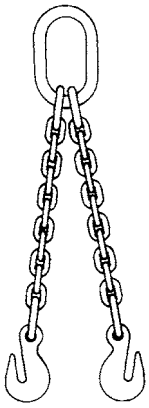
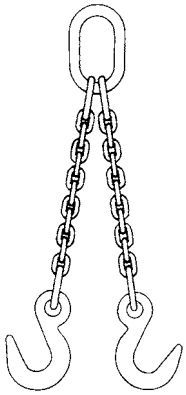
Cam-Alloy Chain Slings
Double Type: D



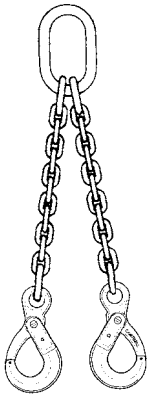
Type DOS



Type DOG



Type DOF



Type DOSL

Chain Size		System	Oblong Master Link						Working Load Limit					
			Nominal Size Material		Inside Dimensions				60° Double at 60°		45° Double at 45°		30° Double at 30°	
					Width		Length							
in.	mm		in.	mm	in.	mm	in.	mm	lb	kg	lb	kg	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400	6,100	2,700	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900	12,400	6,900	8,800	3,990
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800	21,200	9,600	15,000	6,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700	32,000	14,500	22,600	10,300
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700	49,900	22,600	35,300	16,000
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500	60,400	27,350	42,700	19,400
1	26	8	2	51	7	178	14	356	82,600	37,900	67,400	31,000	47,700	21,600
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800	102,200	46,400	72,300	32,800

Dimensions are approximate.
Double chain slings are available in other combinations.
These items are made to order.

Slings

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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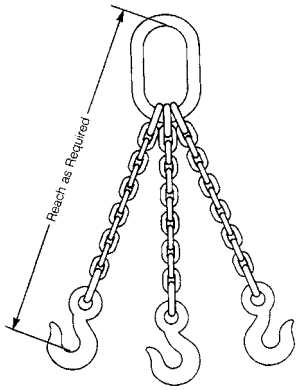
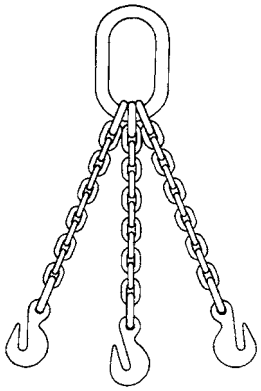
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings
Triple Type: T



Type TOS



Type TOG

Chain Size		System	Oblong Master Link						Working Load Limit					
			Nominal Size Material		Inside Dimensions				60° Triple at 60°		45° Triple at 45°		30° Triple at 30°	
					Width		Length							
in.	mm		in.	mm	in.	mm	in.	mm	lb	kg	lb	kg	lb	kg
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100	9,100	4,100	6,450	2,900
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300	18,600	8,400	13,200	6,000
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700	31,800	14,400	22,500	10,200
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600	47,900	21,700	33,900	15,400
3/4	20	10	1 7/8	48	6	152	12	305	91,700	41,600	74,900	34,000	53,000	24,000
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250	90,600	41,050	64,000	29,050
1	26	8	2 1/4	57	8	203	16	406	123,900	56,900	101,200	46,500	71,500	32,800
1 1/4	32	8	2 3/4	70	9	229	16	406	187,800	85,200	153,400	69,600	108,400	49,200

Dimensions are approximate.
Triple chain slings are available in other combinations.
These items are made to order.

Slings

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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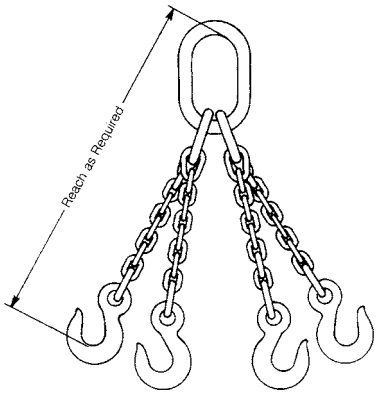
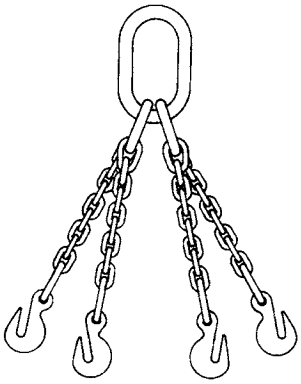
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings
Quadruple Type: Q



Type QOS



Type QOG

Chain Size			Oblong Master Link						Master Coupling Link						Working Load Limit					
			Nominal Size Material		Inside Dimensions				Nominal Size Material		Inside Dimensions				60° Quad at 60°		45° Quad at 45°		30° Quad at 30°	
					Width		Length				Width		Length							
in.	mm	System	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	lb	kg	lb	kg
9/32	7	10	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 5/8	67	11,200	5,100	9,100	4,100	6,450	2,900
3/8	10	10	1 1/8	29	4	102	8	203	25/32	20	1 5/8	41	2 7/8	73	22,800	10,300	18,600	8,400	13,200	6,000
1/2	13	10	1 1/4	32	4	102	8	203	1	25	3	76	5	127	39,000	17,700	31,800	14,400	22,500	10,200
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152	58,700	26,600	47,900	21,700	33,900	15,400
3/4	20	10	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152	91,700	41,600	74,900	34,000	53,000	24,000
7/8	22	10	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152	110,900	50,250	90,600	41,050	64,000	29,050
1	26	8	2 1/4	57	8	203	16	406	1 7/8	48	5	127	7	178	123,900	56,900	101,200	46,500	71,500	32,800
1 1/4	32	8	2 3/4	70	9	229	16	406	2 1/8	54	6	152	9	229	187,800	85,200	153,400	69,600	108,400	49,200

Dimensions are approximate.
Quadruple chain slings are available in other combinations.
NOTE: In practice hooks on "Q" slings are in the plane opposite that shown.
† See Oblong Master Link Sub-Assembly for complete dimensions.
These items are made to order.

Slings

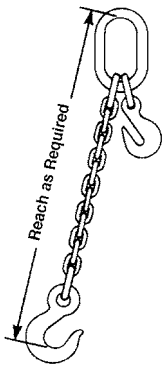
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

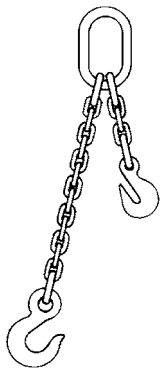
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Miscellaneous Cam-Alloy Chain Slings Types Single Adjustable



Style A

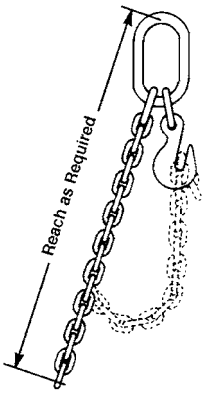


Style B
Standard with 1 foot of chain in short leg.

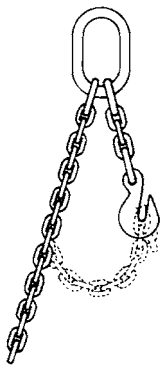
Chain Size		System	Oblong Master Link						Working Load Limit at 90°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2½	64	5	127	4,300	1,950
⅜	10	10	13/16	21	3	76	6	152	8,800	4,000
½	13	10	1⅛	29	4	102	8	203	15,000	6,800
⅝	16	10	1⅛	29	4	102	8	203	22,600	10,300
¾	20	10	1¼	32	4	102	8	203	35,300	16,000
⅞	22	10	1⅝	41	5¼	133	10½	267	42,700	19,400
1	26	8	1⅞	48	6	152	12	305	47,700	21,600
1¼	32	8	2	51	7	178	14	356	72,300	32,800

Dimensions are approximate.
These items are made to order.

Cam-Alloy Chain Slings Single Adjustable Loop



Style A



Style B
Standard with 1 foot of chain in short leg.

Chain Size		System	Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2½	64	5	127	7,400	3,400
⅜	10	10	13/16	21	3	76	6	152	15,200	6,900
½	13	10	1⅛	29	4	102	8	203	26,000	11,800
⅝	16	10	1¼	32	4	102	8	203	39,100	17,700
¾	20	10	1⅝	41	5¼	133	10½	267	61,100	27,700
⅞	22	10	1⅞	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1¼	32	8	2¼	57	8	203	16	406	125,200	56,800

For other angles of lift, refer to type "D" sling specifications.
Dimensions are approximate.
These items are made to order.

Slings

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

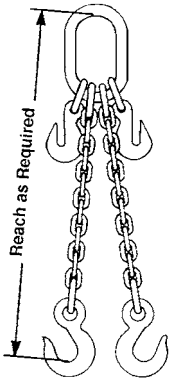
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

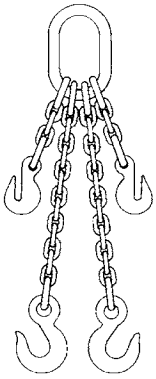
Cam-Alloy Chain Slings Double Adjustable

Chain Size			Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900

For other angles of lift, refer to type "D" sling specifications.
Dimensions are approximate.
These items are made to order.



Style A

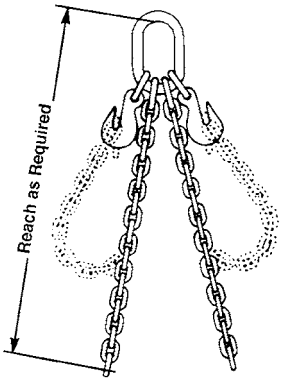


Style B
Standard with 1 foot of chain in short leg.

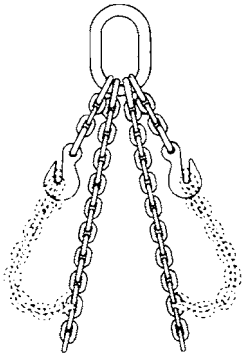
Cam-Alloy Chain Slings Double Adjustable Loop

Chain Size			Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100
3/8	10	10	1 1/8	29	4	102	8	203	22,800	10,300
1/2	13	10	1 1/4	32	4	102	8	203	39,000	17,700
5/8	16	10	1 5/8	41	5 1/4	133	10 1/2	267	58,700	26,600
3/4	20	10	1 7/8	48	6	152	12	305	91,700	41,600
7/8	22	10	2 1/4	57	8	203	16	406	110,900	50,250
1	26	8	2 1/4	57	8	203	16	406	123,900	56,900

For other angles of lift, refer to type "D" sling specifications.
Dimensions are approximate.
These items are made to order.



Style A



Style B
Standard with 1 foot of chain in short leg.

Slings

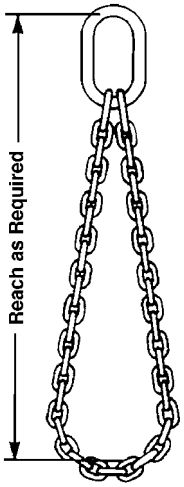
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

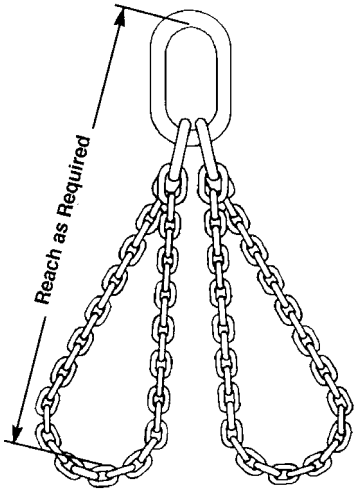
To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Sling Single and Double Basket



Single Basket

Chain Size		System	Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2½	64	5	127	7,400	3,400
⅜	10	10	13/16	21	3	76	6	152	15,200	6,900
½	13	10	1⅛	29	4	102	8	203	26,000	11,800
⅝	16	10	1¼	32	4	102	8	203	39,100	17,700
¾	20	10	1⅝	41	5¼	133	10½	267	61,100	27,700
⅞	22	10	1⅞	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1¼	32	8	2¼	57	8	203	16	406	125,200	56,800



Double Basket

Chain Size		System	Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	13/16	21	3	76	6	152	11,200	5,100
⅜	10	10	1⅛	29	4	102	8	203	22,800	10,300
½	13	10	1¼	32	4	102	8	203	39,000	17,700
⅝	16	10	1⅝	41	5¼	133	10½	267	58,700	26,600
¾	19	10	1⅞	48	6	152	12	305	91,700	41,600
⅞	22	10	2¼	57	8	203	16	406	110,900	50,250
1	26	8	2¼	57	8	203	16	406	123,900	56,900

For other angles of lift, refer to Type "D" for single basket slings and Type "Q" for double basket slings.
Dimensions are approximate.
These items are made to order.

Slings

⚠ ADVERTENCIA

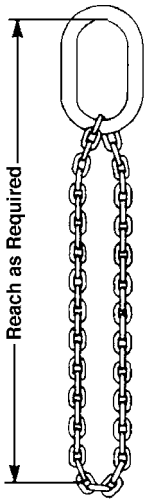
Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings
Single and Double Endless Basket

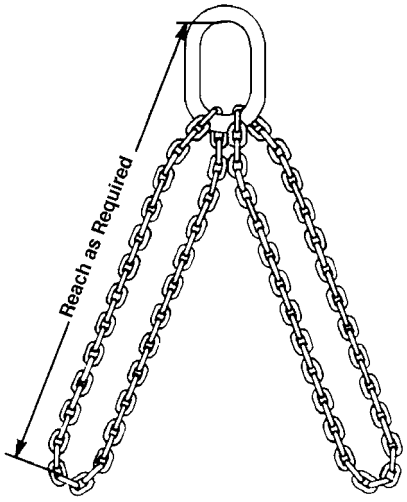
Chain Size			Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	4,300	1,950
3/8	10	10	13/16	21	3	76	6	152	8,800	3,990
1/2	13	10	1 1/8	29	4	102	8	203	15,000	6,800
5/8	16	10	1 1/8	29	4	102	8	203	22,600	10,250
3/4	20	10	1 1/4	32	4	102	8	203	35,300	16,000
7/8	22	10	1 5/8	41	5 1/4	133	10 1/2	267	42,700	19,400
1	26	8	1 7/8	48	6	152	12	305	47,700	21,600
1 1/4	32	8	2	51	7	178	14	356	72,300	32,800



Single Endless Basket

Chain Size			Oblong Master Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions					
					Width		Length			
in.	mm	System	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	74,000	33,500
1	26	8	2	51	7	178	14	356	82,600	37,900
1 1/4	32	8	2 1/4	57	8	203	16	406	125,200	56,800

For other angles of lift, refer to Type "D" for single basket slings and Type "Q" for double basket slings.
Dimensions are approximate.
These items are made to order.



Double Endless Basket

Slings

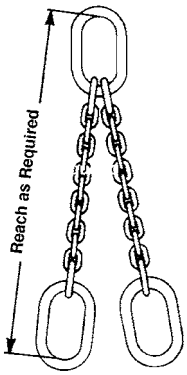
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings Double with Links Only

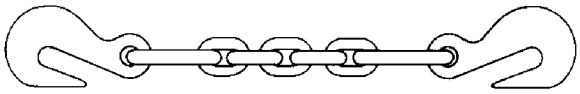


Type DOO

Chain Size		System	Oblong Master Link						Standard Oblong Link						Working Load Limit at 60°	
			Nominal Size Material		Inside Dimensions				Nominal Size Material		Inside Dimensions					
					Width		Length				Width		Length			
in.	mm		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
9/32	7	10	37/64	15	2 1/2	64	5	127	37/64	15	2 1/2	64	5	127	7,400	3,400
3/8	10	10	13/16	21	3	76	6	152	13/16	21	3	76	6	152	15,200	6,900
1/2	13	10	1 1/8	29	4	102	8	203	1 1/8	29	4	102	8	203	26,000	11,800
5/8	16	10	1 1/4	32	4	102	8	203	1 1/8	29	4	102	8	203	39,100	17,700
3/4	20	10	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	8	203	61,100	27,700
7/8	22	10	1 7/8	48	6	152	12	305	1 1/2	38	5 1/4	133	10 1/2	267	74,000	33,500
1	26	8	2	51	7	178	14	356	1 3/4	44	6	152	12	305	82,600	37,900
1 1/4	32	8	2 1/4	57	8	203	16	406	2	51	7	178	14	356	125,200	56,800

Dimensions and weights are approximate.
For other angles of lift, refer to Type "D" slings.
These items are made to order.

Cam-Alloy Chain Shortener



Chain Size				Working Load Limit	
in.	mm	System	Reach	lb	kg
9/32	7	10	1'1"	4,300	1,950
3/8	10	10	1'3"	8,800	4,000
1/2	13	10	1'8"	15,000	6,800
5/8	16	10	2'0"	22,600	10,300
3/4	20	10	2'4"	35,300	16,000
7/8	22	10	2'8"	42,700	19,400
1	26	8	3'1"	47,700	21,600
1 1/4	32	8	3'10"	72,300	32,800

Dimensions are approximate.
These items are made to order.

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

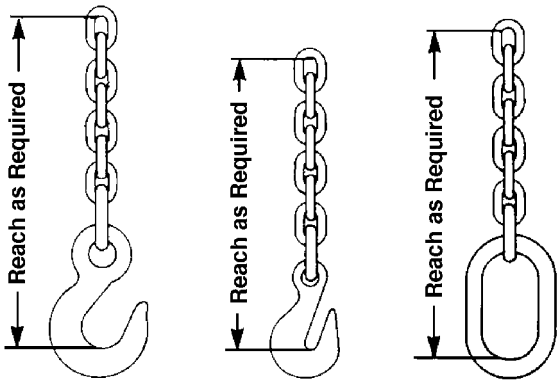
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Chain Slings Attachment, One End Only

Chain Size			Working Load Limit	
in.	mm	System	lb	kg
9/32	7	10	4,300	1,950
3/8	10	10	8,800	4,000
1/2	13	10	15,000	6,800
5/8	16	10	22,600	10,300
3/4	20	10	35,300	16,000
7/8	22	10	42,700	19,400
1	26	8	47,700	21,600
1 1/4	32	8	72,300	32,800

Dimensions are approximate.
These items are made to order.



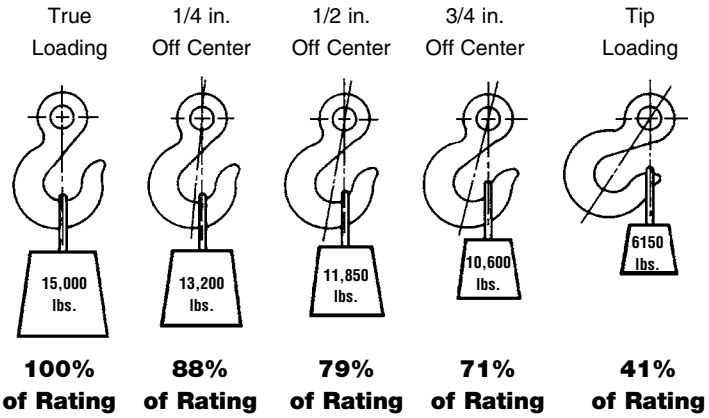
⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

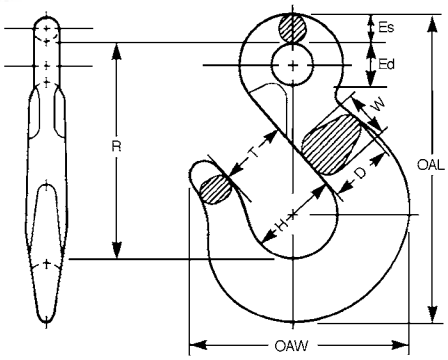
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

How Off-Center (Tip) Loading Reduces Working Load Limits of ½" - Cam-Alloy Sling Hooks



Cam-Alloy Sling Hooks



Chain Size in.	Chain Size mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	10	C-80	**5646415**	222320	1.3	.6	4,300	1,950
3/8	10	10	C-81	**5646615**	221583	2.7	1.2	8,800	4,000
1/2	13	10	C-82	**5646815**	222856	5.40	2.4	15,000	6,800
5/8	16	10	C-83	**5647015**	225109	10.00	4.5	22,600	10,300
3/4	20	10	C-84	**5647215**	225093	15.00	6.8	35,300	16,000
7/8	22	10	C-85	**5645415**	152962	18.50	8.4	42,700	19,400
1	26	8	C-86	**5641615**	078859	27.00	12.0	47,700	21,600

Chain Size		Dimensions																	
		R		T		H		Ed		Es		D		W		OAL		OAW	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	4.50	114	1.25	32	1.50	38	.75	19	.44	11	1.14	29	.75	19	5.56	141	3.59	91
3/8	10	4.75	121	1.62	41	2.13	54	.813	21	.594	15	1.46	37	1.05	27	6.59	167	4.50	114
1/2	13	5.70	145	1.88	48	2.25	57	1.13	29	.804	20	2.00	51	1.42	36	8.37	213	5.65	143
5/8	16	7.47	190	2.34	59	2.62	67	1.31	33	.875	22	2.42	61	1.54	39	10.47	266	6.67	169
3/4	19	8.00	203	2.53	64	3.00	76	1.50	38	1.00	25	2.91	74	1.83	46	11.59	294	7.77	197
7/8	22	9.75	248	3.18	81	3.75	95	2.00	51	1.12	28	2.88	73	1.88	48	13.38	340	8.75	222
1	26	10.18	259	3.25	83	4.25	108	1.94	49	1.38	35	3.50	89	2.38	60	14.56	370	9.59	244

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

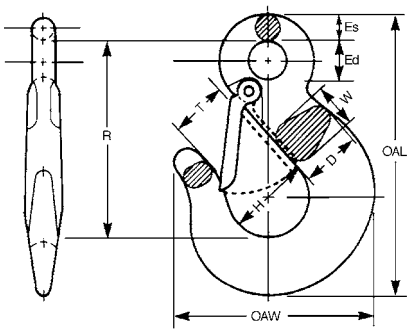
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Sling Hooks with Latches

Chain Size in.	Chain Size mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	10	C-90	**5646495**	222313	1.24	.56	4,300	1,950
3/8	10	10	C-91	**5646695**	221590	2.7	1.22	8,800	4,000
1/2	13	10	C-92	**5646895**	222870	5.6	2.54	15,000	6,800

Dimensions and weights are approximate.
WARNING: Do not exceed Working Load Limit.



Chain Size in.	Chain Size mm	R in.	R mm	T in.	T mm	H in.	H mm	Ed in.	Ed mm	Es in.	Es mm	D in.	D mm	W in.	W mm	OAL in.	OAL mm	OAW in.	OAW mm
9/32	7	4.50	114	.875	22	1.50	38	.75	19	.44	11	1.14	29	.75	19	5.56	141	3.59	91
3/8	10	4.75	121	1.314	33	2.13	54	.813	21	.594	15	1.46	37	1.05	27	6.59	167	4.50	114
1/2	13	5.70	145	1.5	38	2.25	57	1.13	29	.804	20	2.00	51	1.42	36	8.37	213	5.65	143

Cam-Alloy Latches (Old Style)

Chain Size in.	Chain Size mm	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	7	**5644415**	**5644495**	**3990401**
3/8	10	**5644615**	**5644695**	**3990601**
1/2	13	**5644815**	**5644895**	**3990701**
5/8	16	**5645015**	**5645095**	**3991001**
3/4	20	**5645215**	**5645295**	**3991001**
7/8	22	**5645415**	**5645495**	**3991409**
1	26	**5641615**	**5641695**	**3991409**

Cam-Alloy Latches (New Style)

Chain Size in.	Chain Size mm	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	7	**5646415**	**5646495**	**7506495**
3/8	10	**5646615**	**5646695**	**7506695**
1/2	13	**5646815**	**5646895**	**7506895**
5/8	16	**5647015**	**5647095**	**7507095**
3/4	20	**5647215**	**5647295**	**7507295**

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

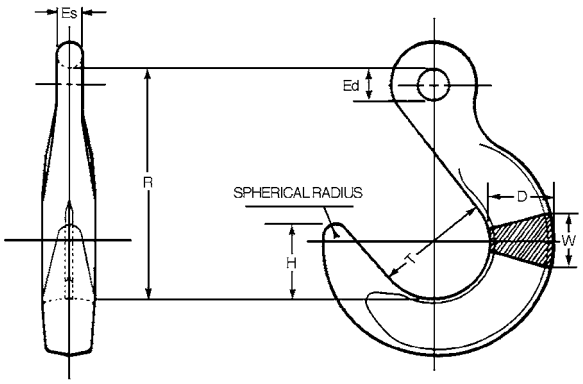
⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Foundry Hooks

Chain Size in.	Chain Size mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	10	C-498	**5664415**	182457	2.2	.99	4,300	1,950
3/8	10	10	C-499	**5664615**	182464	3.9	1.80	8,800	4,000
1/2	13	10	C-500	**5664815**	182471	6.7	3.00	15,000	6,800
5/8	16	10	C-501	**5665015**	182488	10.5	4.80	22,600	10,300
3/4	20	10	C-502	**5665215**	182495	15.6	7.10	35,300	16,000
7/8	22	10	C-503	**5665415**	152948	24.1	10.90	42,700	19,400
1	26	8	C-504	**5661615**	078965	33.7	15.30	47,700	21,600
1 1/4	32	8	C-505	**5662015**	078972	52.0	23.60	72,300	32,800

Dimensions and weights are approximate.
WARNING: Do not exceed Working Load Limit.



Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	Ed in.	Ed mm	Es in.	Es mm	D in.	D mm	W in.	W mm	H in.	H mm	Spherical Radius in.	Spherical Radius mm
9/32	7	4.75	121	2.5	64	.62	16	.47	12	1.30	33	1.00	25	1.56	40	.25	6
3/8	10	5.75	146	3.0	76	.75	19	.62	16	1.56	40	1.25	32	1.87	47	.31	8
1/2	13	6.87	174	3.5	89	1.00	25	.75	19	1.81	46	1.50	38	2.25	57	.37	9
5/8	16	8.06	205	4.0	102	1.25	32	.87	22	2.33	59	1.75	44	2.62	67	.44	11
3/4	20	9.25	235	4.5	114	1.50	38	1.00	25	2.81	71	2.00	51	3.00	76	.50	13
7/8	22	10.37	263	5.0	127	1.84	47	1.12	28	3.08	78	2.25	57	3.37	86	.56	14
1	26	11.56	294	5.5	140	2.09	53	1.25	32	3.25	83	2.50	64	3.75	95	.62	16
1 1/4	32	12.87	327	6.0	152	2.47	63	1.37	35	3.88	99	3.00	76	4.25	108	.75	19

⚠ ADVERTENCIA

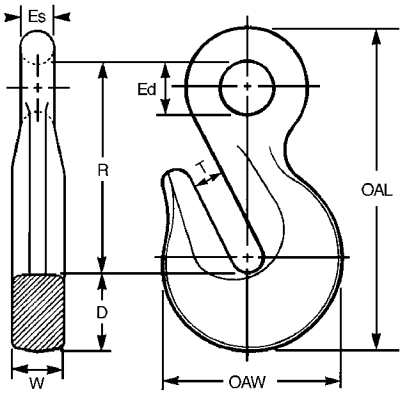
Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Grab Hooks

Chain Size in.	Chain Size mm	System	Hook No.	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	10	C-72	**5624415**	182303	.60	.27	4,300	1,950
3/8	10	10	C-73	**5624615**	182310	.90	.41	8,800	4,000
1/2	13	10	C-75	**5624815**	182327	1.78	.81	15,000	6,800
5/8	16	10	C-76	**5625015**	182334	4.41	2.00	22,600	10,300
3/4	20	10	C-77	**5625215**	182341	7.50	3.40	35,300	16,000
7/8	22	10	C-78	**5625415**	152979	12.20	5.50	42,700	19,400
1	26	8	C-79	**5621615**	078651	19.90	9.03	47,700	21,600
1 1/4	32	8	C-51	**5622015**	180156	38.10	17.30	72,300	32,800



Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	Ed in.	Ed mm	Es in.	Es mm	D in.	D mm	W in.	W mm	OAL in.	OAL mm	OAW in.	OAW mm
9/32	7	2.50	64	.37	9	.56	14	.37	9	.81	21	.59	15	3.69	94	1.87	47
3/8	10	2.41	61	.50	13	.75	19	.44	11	1.16	29	.66	17	4.00	102	2.56	65
1/2	13	3.40	86	.66	17	1.12	28	.56	14	1.44	37	.88	22	5.40	137	3.50	89
5/8	16	4.22	107	.78	20	1.22	31	.69	18	1.75	44	1.12	28	6.66	169	4.25	108
3/4	20	5.15	131	.94	24	1.44	37	1.00	25	2.12	54	1.38	35	8.28	210	5.18	132
7/8	22	7.00	178	1.06	27	1.75	44	1.00	25	2.44	62	1.62	41	10.44	265	5.68	144
1	26	7.98	203	1.19	30	1.87	47	1.12	28	3.00	76	1.81	46	12.14	308	6.75	171
1 1/4	32	10.00	254	1.50	38	2.25	57	1.50	38	3.75	95	2.25	57	15.25	387	8.63	219

Dimensions and weights are approximate.

Note: Use of chain in a grab hook may reduce the breaking load of the chain by up to 20%

Slings

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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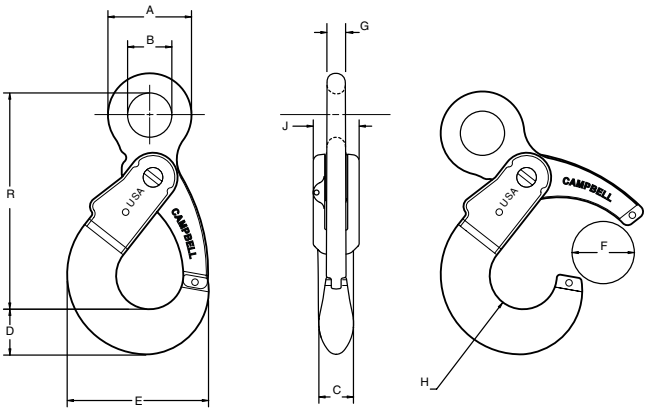
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Self-locking Eye Hooks



- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable
- Eye style is designed to accommodate heavy duty wire rope thimbles
- Stamped with recommended wire rope size

Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg	Wire Rope Size in.	Wire Rope Size mm	Working Load Limit 5 to 1* lb	Working Load Limit 5 to 1* kg
9/32	7	**5648495**	193262	2.25	1.06	4,300	1,950	7/16	11	3,800	1,724
3/8	10	**5648695**	193279	4	1.86	8,800	4,000	1/2	13	7,000	3,175
1/2	13	**5648895**	193286	8.65	3.97	15,000	6,800	5/8	16	12,000	5,443
5/8	16	**5649095**	193293	13.8	6.03	22,600	10,300	7/8	22	18,000	8,165

*To meet the design requirements of Wire Rope Slings.

Chain Size in.	Chain Size mm	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	J in.	J mm	R in.	R mm
9/32	7	1.875	47.6	1.000	25.4	0.938	23.8	1.020	25.9	3.594	91.3	1.625	41.3	0.438	11.1	0.875	22.2	1.250	31.8	5.468	138.9
3/8	10	2.375	60.3	1.375	34.9	1.125	28.6	1.250	31.8	4.312	109.5	1.875	47.6	0.578	14.7	1.063	27.0	1.500	38.1	6.500	165.1
1/2	13	3.188	81.0	1.688	42.9	1.312	33.3	1.796	45.6	5.404	137.3	2.250	57.2	0.688	17.5	1.281	32.5	1.750	44.5	8.750	222.3
5/8	16	3.500	88.9	2.000	50.8	1.500	38.1	2.169	55.1	6.500	165.1	2.375	60.3	0.750	19.1	1.500	38.1	2.000	50.8	10.000	254.0

Slings

Repair Kits

5788495

Hook Size in.	Hook Size mm	Cat. No.	UPC No. 020418
9/32	7	**5788495**	207518
3/8	10	**5788695**	207525
1/2	13	**5788895**	210600
5/8	16	**5789095**	211874

Repair Kit Contents:
- Pivot Pin
- Drive Pins (3)
- Trigger
- Trigger Spring
- Spring Alignment Insert

⚠ ADVERTENCIA

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⚠ WARNING

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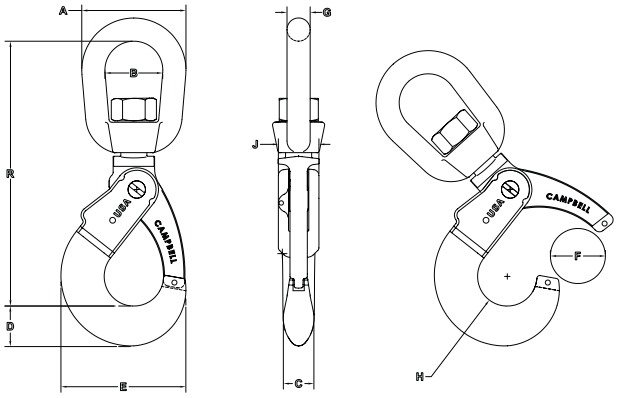
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Self-locking Swivel Hooks

- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable
- **HOOK IS NOT DESIGNED TO SWIVEL UNDER LOAD**



Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg	Wire Rope Size in.	Wire Rope Size mm	Working Load Limit 5 to 1* lb	Working Load Limit 5 to 1* kg
9/32	7	**5798495**	226830	2.25	1.06	4,300	1,950	7/16	11	3,800	1,724
3/8	10	**5798695**	226847	4	1.86	8,800	4,000	1/2	13	7,000	3,175
1/2	13	**5798895**	226878	8.65	3.97	15,000	6,800	5/8	16	12,000	5,443
5/8	16	**5799095**	226861	13.8	6.03	22,600	10,300	7/8	22	18,000	8,165

*To meet the design requirements of Wire Rope Slings.

Chain Size in.	Chain Size mm	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	J in.	J mm	R in.	R mm
9/32	7	3.000	76	1.750	44	0.938	23.8	1.020	25.9	3.594	91.3	1.625	41.3	0.625	16	0.875	22.2	1.250	31.8	7.688	195
3/8	10	3.500	89	2.000	51	1.125	28.6	1.250	31.8	4.312	109.5	1.875	47.6	0.750	19	1.063	27.0	1.500	38.1	8.813	224
1/2	13	4.500	114	2.500	64	1.312	33.3	1.796	45.6	5.404	137.3	2.250	57.2	1.000	25	1.281	32.5	1.750	44.5	11.250	286
5/8	16	5.625	143	3.500	89	1.500	38.1	2.169	55.1	6.500	165.1	2.375	60.3	1.250	32	1.500	38.1	2.000	50.8	13.438	341

⚠ ADVERTENCIA

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⚠ WARNING

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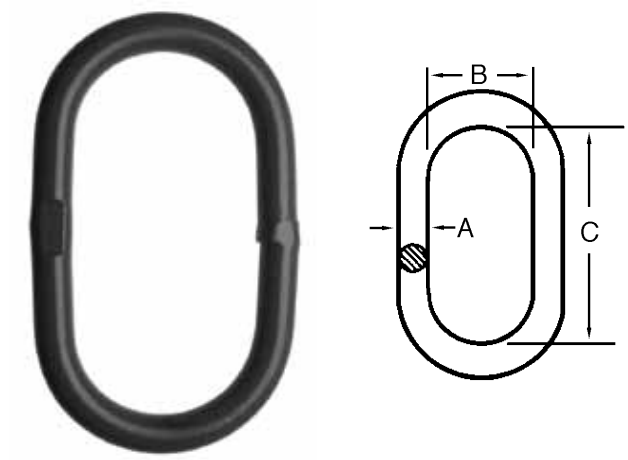
Cam-Alloy Oblong Links



Link No.	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit 4 to 1* lb	Working Load Limit 4 to 1* kg
CO-0	**5685615**	079214	.50	.23	4,200	1,900
VO-1	**5683215**	182549	1.90	.86	8,600	3,900
VO-2	**5683315**	182556	2.63	1.19	17,600	8,000
VO-3	**5683415**	182563	6.78	3.08	30,000	13,600
VO-4	**5683515**	182570	9.20	4.17	45,200	20,500
VO-5	**5683615**	182587	18.90	8.60	70,600	32,100
VO-6	**5683715**	182594	28.71	13.00	105,900	48,100
CO-7	**5687015**	079351	37.80	16.92	102,600	46,600
CO-8	**5687215**	079375	54.00	24.49	144,600	65,700

Link No.	Nominal Diameter Material A in.	A mm	Inside Width B in.	Width B mm	Inside Length C in.	Length C mm	Used with Type and Size of Sling: Single Type S & C in.	Single Type S & C mm	Double Type D in.	Double Type D mm	Triple or Quad Type T or Q in.	Triple or Quad Type T or Q mm
CO-0	13/32	10	1½	38	3	76	7/32	6	7/32	6	-	-
VO-1	37/64	15	2½	64	5	127	9/32	7	9/32	7	7/32	6
VO-2	13/16	21	3	76	6	152	3/8	10	3/8	10	9/32	7
VO-3	1⅛	29	4	102	8	203	½ or 5/8	13 or 16	½	13	3/8	10
VO-4	1¼	32	4	102	8	203	¾	19	5/8	16	½	13
VO-5	1⅝	41	5¼	133	10½	267	7/8	22	¾	19	5/8	16
VO-6	1⅞	48	6	152	12	305	1	26	7/8	22	¾	19
CO-7	2	51	7	178	14	356	1¼ or 1½	32 or 38	1	26	--	--
CO-8	2¼	57	8	203	16	406	-	-	1¼ or 1½	32 or 38	7/8 or 1	22 or 26

Dimensions and weights are approximate.

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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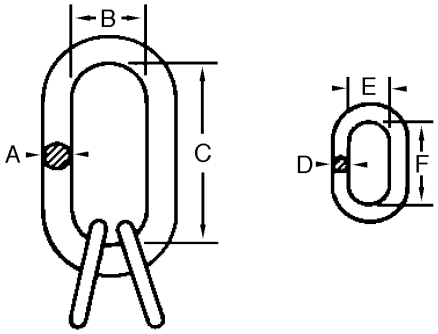
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Cam-Alloy Oblong, Master Link Sub-Assembly

Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5682215**	182501	4.40	2	12,900	5,900
3/8	10	**5682315**	182846	9.50	4	26,400	12,000
1/2	13	**5682415**	182518	16.00	7	45,000	20,500
5/8	16	**5682515**	182525	31.75	14	67,800	30,800
3/4	20	**5682615**	182532	50.00	23	105,900	48,100
7/8	22	**5682715**	167409	65.90	30	128,100	58,200



• For construction of Quad Slings, and Double Basket Slings

Chain Size in.	Chain Size mm	Oblong Master Link: Nominal Diameter Material A in.	A mm	Inside Dimensions: Width B in.	Width B mm	Length C in.	Length C mm	Master Coupling Link: Nominal Diameter Material D in.	D mm	Inside Dimensions: Width E in.	Width E mm	Length F in.	Length F mm
9/32	7	13/16	21	3	76	6	152	17/32	13	1 1/2	38	2 3/4	70
3/8	10	1 1/8	29	4	102	8	203	25/32	20	1 9/16	40	2 7/8	73
1/2	13	1 1/4	32	4	102	8	203	1	25	3	76	5	127
5/8	16	1 5/8	41	5 1/4	133	10 1/2	267	1 1/4	32	4	102	6	152
3/4	20	1 7/8	48	6	152	12	305	1 1/2	38	4	102	6	152
7/8	22	2 1/4	57	8	203	16	406	1 3/4	44	4	102	6	152

Dimensions and weights are approximate.
These items are made to order.

Slings

⚠ ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Quik-Alloy Chain Slings

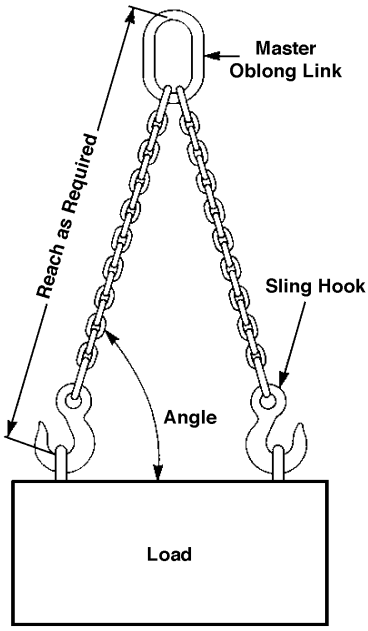
The Campbell Quik-Alloy system provides proof tested and certified components for easily and quickly assembling all of the popular types of chain slings plus many special slings. Hooks and coupling links have rotating load pins that resist bending and offer shear values equivalent to the chain. The open design of the hooks allows for easy inspection. All Quik-Alloy components are sized and identified according to the chain with which they are to be used. They meet or exceed all OSHA, ANSI, and ASME specifications.

How to Design Quik-Alloy Chain Slings

1. Determine the maximum LOAD to be lifted.
2. Choose the TYPE of sling assembly necessitated by the size and dimension of the load.
3. Estimate the approximate ANGLE to the load in which the legs of the assembly will be positioned for operation.
4. Determine the SIZE OF CHAIN ATTACHMENTS by referring to the Assembly Tables that follow. On multi-leg slings, if the distance between the points of attachment equals the reach of the sling, the angle is approximately 60°
5. Determine the overall REACH (see illustration). Use the Assembly Tables that follow to determine length of Cam-Alloy chain to order.
6. Attach field identification tag to all slings. One box of 50-No. 7503506.

For any problem involving reach, angle of lift or working load limit, consult your local Campbell distributor.
Remember to use only Campbell "Quik-Alloy" components in assembling chain slings.

SUBSTITUTION OF ANY COMPONENTS WITH PARTS NOT INDICATED ON THE CHART COULD SERIOUSLY DIMINISH THE WORKING LOAD OF THE ASSEMBLY. Do not use any coupling links to repair damaged or broken chain. It is imperative that such chain be replaced.



How to Assemble Quik-Alloy Coupling Links

1. Loop one half of body over the master link at the flat embossed area, the other half through the chain. Fit together.

2. Place stud assembly and alloy locking pin in link as shown.

3. Drive the locking pin in until the snap ring engages the recessed portion of the pin. (Link is disassembled by simply driving locking pin out.)

⚠ ADVERTENCIA

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- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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- **DO NOT USE** if the chain or components are visibly distorted or worn.

How to Use Quik-Alloy Chain Sling Assembly Tables

If the overall reach of your sling is determined to be more than five feet, subtract five feet, then add this difference to the "chain needed" length given on the Assembly Table. If overall reach is less than five feet, subtract reach from five feet.Then subtract the difference from the "chain needed" length in the Assembly Table. All measurements are based on using Quik-Alloy hooks (not Cam-Alloy hooks).

WHEN USING QUIK-ALLOY HOOKS (NOT CAM-ALLOY HOOKS), BE SURE THAT EACH LEG OF A DOUBLE SLING HAS THE SAME, EVEN (DIVISIBLE BY TWO) NUMBER OF LINKS. For triple or quad slings, each leg should have odd numbers of links to compensate for coupling links on master link sub-assembly. When cutting, if the required reach falls within a link, LEAVE THAT LINK. Reach measurements are given as a minimum. Never cut less than specified reach.

Quik-Alloy Chain Sling Assembly Tables

	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
Chain Size	9/32	7	3/8	10	1/2	13	5/8	16	3/4	19

Single Chain Slings: Types S and C

		lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Working Load Limit		4,300	1,952	8,800	3,995	15,000	6,810	22,600	10,260	35,300	16,026
Master Link Number		VO-1		VO-2		VO-3		VO-3		VO-4	
Cat.No.	Master Link	5683215		5683315		5683415		5683515		5683615	
	QA Sling Hook	5744415		5744615		5744815		5745015		5745215	
	QA Grab Hook	5724415		5724615		5724815		5725015		5725215	
	QA Coupling Link	5779125		5779135		5779145		5779155		5779165	
Chain needed for 5' reach	Sling Hook	4'1"		3'10"		3'7"		3'5"		3'3"	
	Grab Hook	4'3"		4'0"		3'9"		3'8"		3'6"	

Double Chain Slings: Type D

		lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Working Load Limit	60°	7,500	3,405	15,200	6,901	26,000	77,804	39,100	17,751	61,100	27,739
	45°	6,100	2,769	12,400	5,630	21,200	9,625	32,000	14,528	49,900	22,655
	30°	4,300	1,952	8,800	3,995	15,000	6,810	22,600	10,260	35,300	16,026
Master Link Number		VO-1		VO-2		VO-3		VO-4		VO-5	
Cat.No.	Master Link	5683215		5683315		5683415		5683515		5683615	
	QA Sling Hook	5744415		5744615		5744815		5745015		5745215	
	QA Grab Hook	5724415		5724615		5724815		5725015		5725215	
	QA Coupling Link	5779125		5779135		5779145		5779155		5779165	
Chain needed for 5' reach	Sling Hook	4'1"		3'10"		3'7"		3'5"		3'1"	
	Grab Hook	4'3"		4'0"		3'9"		3'8"		3'3"	

Triple Chain Slings: Type T and Quad Chain Slings: Type Q

		lb	kg	lb	kg	lb	kg	lb	kg	lb	kg
Working Load Limit	60°	11,200	5,085	22,800	10,351	39,000	17,706	58,700	26,650	91,700	41,632
	45°	9,100	4,131	18,600	8,444	31,800	14,437	47,900	21,747	74,900	34,005
	30°	6,450	2,928	13,200	5,993	22,500	10,215	33,900	15,391	53,000	24,062
Master Link Number		VO-2		VO-3		VO-4		VO-5		VO-6	
Cat.No.	Sub-Assembly	5682215		5682315		5682415		5682515		5682615	
	QA Sling Hook	5744415		5744615		5744815		5745015		5745215	
	QA Grab Hook	5724415		5724615		5724815		5725015		5725215	
	QA Coupling Link	5779125		5779135		5779145		5779155		5779165	
Chain needed for 5' reach	Sling Hook	3'10"		3'6"		32"		2'10"		2'5"	
	Grab Hook	3'11"		3'8"		3'4"		2'10"		2'8"	

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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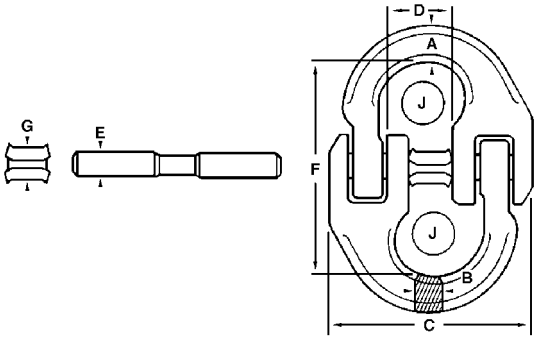
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Quik-Alloy Coupling Links

How to Assemble:

1. Loop one half body through attachment, the other through chain. Fit together.
2. Place stud assembly and alloy locking pin in link.
3. Drive the locking pin in until the snap ring engages the recessed portion of the pin. (Link is disassembled by simply driving locking pin out.)
4. Per ASME B30.9, Section 9.1.3. "Mechanical coupling links shall not be used within the body of an alloy chain sling to connect two pieces of chain."



Chain Size in.	Chain Size mm	System	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
7/32	5.5	8	**5770315**	079993	.10	.05	2,100	970
9/32	7	10	**5779125**	182754	.27	.13	4,300	1,950
3/8	10	10	**5779135**	182761	.55	.25	8,800	4,000
1/2	13	10	**5779145**	182860	1.65	.75	15,000	6,800
5/8	16	10	**5779155**	182778	2.70	1.23	22,600	10,300
3/4 *	19	10	**5779165**	182785	4.30	1.95	35,300	16,000
7/8 *	22	10	**5779175**	080050	4.35	1.97	42,700	19,400
1	26	8	**5771615**	080067	8.43	3.82	47,700	21,600
1 1/4	32	8	**5772015**	080074	15.74	7.14	72,300	32,800
Pins and Retainers								
9/32	7	10	**5784425**	182792	.02	.009	-	-
3/8	10	10	**5784435**	182808	.06	.027	-	-
1/2	13	10	**5784445**	182815	.11	.050	-	-
5/8	16	10	**5784455**	182822	.17	.077	-	-
3/4 *	19	10	**5784465**	182839	.35	.159	-	-
7/8 *	22	10	**5784165**	181740	-	-	-	-

Chain Size in.	Chain Size mm	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	Max. Mat. Dia in.	Max. Mat. Dia mm
7/32	5.5	17/64	7	7/32	6	15/16	33	7/16	11	5/32	4	1 17/32	39	3/8	10	1/2	13
9/32	7	3/8	10	11/32	9	23/32	44	9/16	14	13/64	5	1 3/8	60	3/8	10	37/64	15
3/8	10	1/2	13	7/16	11	2 3/8	60	13/16	21	5/16	8	2 7/16	62	23/64	9	13/16	21
1/2	13	11/16	17	9/16	14	3	76	1 1/32	26	25/64	10	3 3/8	86	29/64	12	1 3/16	30
5/8	16	13/16	21	23/32	18	3 7/8	98	1 9/32	33	15/32	12	3 29/32	99	35/64	14	1 5/16	33
3/4	20	15/16	24	61/64	24	4 5/8	117	1 9/16	40	9/16	14	4/4	121	*	16	1 11/16	43
7/8	22	1 3/16	30	1 1/16	24	5 3/8	137	1 13/16	46	41/64	16	5 5/16	135	*	30	1 7/8	48
1	26	1 15/64	31	1 9/64	29	5 7/8	149	2 1/32	52	11/16	17	5 7/8	149	1 3/8	35	2 1/8	54
1 1/4	32	1 1/2	38	1 3/8	35	7 3/8	187	2 9/32	58	15/16	24	6 15/16	176	1 5/8	41	2 11/32	60

Dimensions and weights are approximate.
*** 3/4 and 7/8 use special oversize retainers.**

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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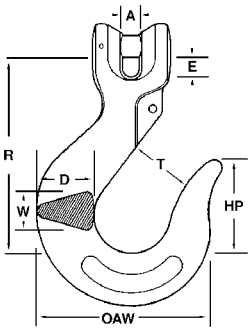
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Quik-Alloy Sling Hooks, Regular

Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5746415**	222344	1.5	.68	4,300	1,950
3/8	10	**5746615**	221606	2.8	1.27	8,800	4,000
1/2	13	**5746815**	222863	6.6	3.0	15,000	6,800
5/8	16	**5747015**	225123	10.5	4.76	22,600	10,300
3/4	20	**5747215**	225147	17.6	7.98	35,300	16,000

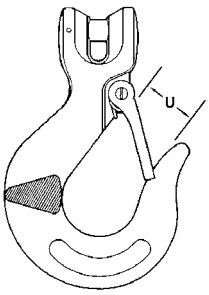


Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	U in.	U mm	A in.	A mm	E in.	E mm	Load Pin Dia. in.	Load Pin Dia. mm	D in.	D mm	W in.	W mm	HP in.	HP mm	OAW in.	OAW mm
9/32	7	3 3/4	95	1 1/4	32	1 1/16	27	5/16	8	11/32	9	3/8	10	1 1/8	29	3/4	19	1.78	45	3 7/8	98
3/8	10	4 3/4	121	1 5/16	41	1 5/16	33	7/16	11	1/2	13	1/2	13	1 7/16	37	1	25	2 3/8	60	4 1/2	114
1/2	13	5 3/4	146	1 7/8	48	1 1/2	38	9/16	14	5/8	16	5/8	16	2	50	1 3/8	36	3	76	6	152
5/8	16	7	178	2 3/8	59	1 3/4	44	23/32	18	3/4	19	3/4	19	2 3/8	60	1 1/2	39	3	76	6 9/16	169
3/4	20	7 3/4	197	2 1/2	64	2 3/16	56	13/16	21	7/8	22	15/16	23	2 7/8	74	1 3/4	44	3 3/8	86	7 3/4	197

Dimensions and weights are approximate.

Quik-Alloy Sling Hooks, Latched

Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5746495**	222337	1.5	.68	4,300	1,950
3/8	10	**5746695**	221576	2.8	1.27	8,800	4,000
1/2	13	**5746895**	222849	6.6	3.0	15,000	6,800
5/8	16	**5747095**	225130	10.5	4.76	22,600	10,300
3/4	20	**5747295**	225116	17.6	7.98	35,300	16,000



Chain Size in.	Chain Size mm	Dimensions R in.	R mm	T in.	T mm	U in.	U mm	A in.	A mm	E in.	E mm	Load Pin Dia. in.	Load Pin Dia. mm	D in.	D mm	W in.	W mm	HP in.	HP mm	OAW in.	OAW mm
9/32	7	3 3/4	95	1 1/4	32	1 1/16	27	5/16	8	11/32	9	3/8	10	1 1/8	29	3/4	19	1.78	45	3 7/8	98
3/8	10	4 3/4	121	1 5/16	41	1 5/16	33	7/16	11	1/2	13	1/2	13	1 7/16	37	1	25	2 3/8	60	4 1/2	114
1/2	13	5 3/4	146	1 7/8	48	1 1/2	38	9/16	14	5/8	16	5/8	16	2	50	1 3/8	36	3	76	6	152
5/8	16	7	178	2 3/8	59	1 3/4	44	23/32	18	3/4	19	3/4	19	2 3/8	60	1 1/2	39	3	76	6 9/16	169
3/4	20	7 3/4	197	2 1/2	64	2 3/16	56	13/16	21	7/8	22	15/16	23	2 7/8	74	1 3/4	44	3 3/8	86	7 3/4	197

Dimensions and weights are approximate.

Slings

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

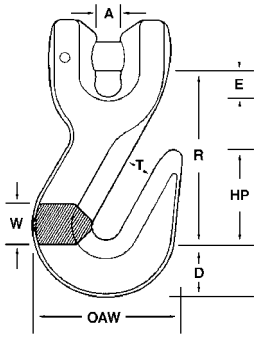
Quik-Alloy Latches (Old Style)

Chain Size in.	Chain Size mm	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	7	**5744415**	**5744495**	**3990401**
3/8	10	**5744615**	**5744695**	**3990601**
1/2	13	**5744815**	**5744895**	**3990701**
5/8	16	**5745015**	**5745095**	**3991001**
3/4	20	**5745215**	**5745295**	**3991001**

Quik-Alloy Latches (New Style)

Chain Size in.	Chain Size mm	Sling Hook	Sling Hook with Latch	Standard Latch No.
9/32	7	**5646415**	**5646495**	**7506495**
3/8	10	**5646615**	**5646695**	**7506695**
1/2	13	**5646815**	**5646895**	**7506895**
5/8	16	**5647015**	**5647095**	**7507095**
3/4	20	**5647215**	**5647295**	**7507295**

Quik-Alloy Grab Hooks



Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5724415**	182600	.5	.23	4,300	1,950
3/8	10	**5724615**	182617	1.6	.73	8,800	4,000
1/2	13	**5724815**	182624	2.6	1.18	15,000	6,800
5/8	16	**5725015**	182631	5.2	2.36	22,600	10,300
3/4	20	**5725215**	182648	10.5	4.77	35,300	16,000

Chain Size		Dimensions																	
		R		T		A		E		Load Pin Dia.		D		W		HP		OAW	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	2 11/32	60	3/8	10	5/16	8	11/32	9	3/8	10	13/16	21	5/8	16	1 1/4	32	2	51
3/8	10	2 29/32	74	1/2	13	7/16	11	1/2	13	1/2	13	1 1/4	32	3/4	19	1 5/8	41	2 13/16	71
1/2	13	3 23/32	94	21/32	17	9/16	14	5/8	16	5/8	16	1 1/2	38	15/16	24	2	51	3 1/2	89
5/8	16	4 7/16	113	25/32	20	23/32	18	3/4	19	3/4	19	1 3/4	44	1 7/32	31	2 5/8	67	4 1/8	105
3/4	20	5 1/8	130	31/32	25	13/16	21	7/8	22	7/8	22	2 1/8	54	1 3/8	35	3 1/4	83	4 7/8	124

Dimensions and weights are approximate.

Note: Use of chain in a grab hook may reduce the breaking load of the chain by up to 20%

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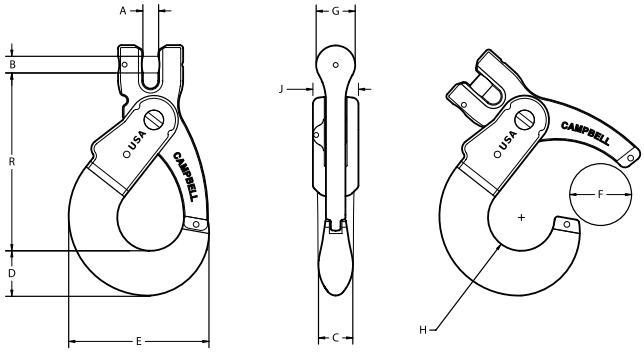
Cam-Lok Self-locking Clevis Hooks

- Fatigue tested to ASTM A952
- Meets the intent of OSHA regulation 1926.550(g)(4)(iv)(b)
- Latch closes automatically under load
- Integrated forged latch with positive lock capability
- Trigger assembly is completely replaceable



Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5748495**	193309	2.35	1.06	4,300	1,950
3/8	10	**5748695**	193316	4.1	1.86	8,800	4,000
1/2	13	**5748895**	193323	8.75	3.97	15,000	6,800
5/8	16	**5749095**	193330	13.3	6.03	22,600	10,300

Chain Size		Dimensions																			
		A		B		C		D		E		F		G		H		J		R	
in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
9/32	7	0.312	7.9	0.375	9.5	0.938	23.8	1.020	25.9	3.594	91.3	1.625	41.3	1.000	25.4	0.875	22.2	1.250	31.8	4.688	119.1
3/8	10	0.438	11.3	0.500	12.7	1.125	28.6	1.250	31.8	4.312	109.5	1.875	47.6	1.125	28.6	1.063	27.0	1.500	38.1	5.563	141.3
1/2	13	0.563	14.3	0.625	15.9	1.312	33.3	1.796	45.6	5.404	137.3	2.250	57.2	1.500	38.1	1.281	32.5	1.750	44.5	6.844	173.8
5/8	16	0.719	18.3	0.750	19.0	1.500	38.1	2.169	55.1	6.500	165.1	2.375	60.3	1.625	41.3	1.500	38.1	2.000	50.8	8.250	209.6

Cam-Lok Repair Kits

Repair Kit Contents:
- Pivot Pin
- Drive Pins (3)
- Trigger
- Trigger Spring
- Spring Alignment Insert

Hook Size in.	Hook Size mm	Cat. No.	UPC No. 020418
9/32	7	**5788495**	207518
3/8	10	**5788695**	207525
1/2	13	**5788895**	210600
5/8	16	**5789095**	211874

5788495

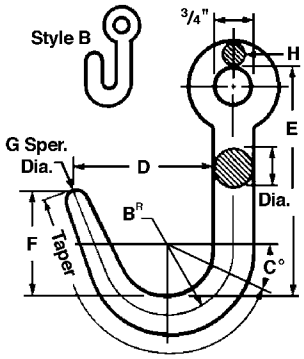
ADVERTENCIA

Para prevenir la posibilidad de una lesión personal sería:
- **NO EXCEDA** los límites de carga de las cadenas o componentes.
- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

WARNING

To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Miscellaneous Cam-Alloy Sling Products "J" Hooks

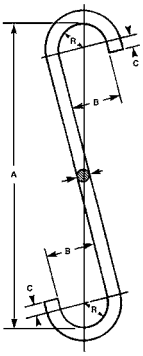


Style	Nominal Dia. Material in	Nominal Dia. Material mm	Cat. No.	UPC No. 020418	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
A	3/4	19	**5616215**	078484	1.2	.54	2,250	1,000
B	1	26	**5616615**	078491	2.8	1.27	3,600	1,600
*A	1	26	**5616616**	189777	2.8	1.27	3,600	1,600

Style	Nominal Dia. Material in.	Nominal Dia. Material mm	Dimensions B^R in.	B^R mm	C° Angle	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm
A	3/4	19	1.31	33	25	2.69	68	4.38	111	2.06	52	.38	10	15/32	12
B	1	26	2.00	51	90	3.64	92	6.75	171	4.00	102	.28	7	15/32	12
*A	1	26	2.00	51	90	4.13	105	6.75	171	3.88	99	.28	7	15/32	12

*Available on special order only.
Dimensions and weights are approximate.

"S" Hooks



Nominal Dia. Material in.	Nominal Dia. Material mm	Cat. No.	UPC No. 020418	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	R in.	R mm	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
9/32	7	**5610405**	078262	2.75	70	.75	19	.38	10	.38	10	.07	.03	250	110
3/8	10	**5610605**	078279	4.13	105	1.13	29	.56	14	.56	14	.33	.15	500	200
1/2	13	**5610805**	078286	5.50	140	1.50	38	.75	19	.75	19	.59	.27	1,000	500
5/8	16	**5611005**	078293	7.00	178	1.88	48	.94	24	.94	24	1.24	.56	1,500	700
3/4	19	**5611205**	078309	8.25	210	2.25	57	1.13	29	1.13	29	2.31	1.05	2,000	900
7/8	22	**5611405**	181580	9.63	245	2.63	67	1.31	33	1.31	33	3.05	1.38	2,700	1,200
1	26	**5611605**	078323	11.00	279	3.00	76	1.50	38	1.50	38	4.45	2.02	3,200	1,500
1 1/8	29	**5611805**	180125	12.13	308	3.38	86	1.69	43	1.69	43	6.48	2.94	3,500	1,600

Dimensions and weights are approximate.
These items are made to order.

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

⚠ WARNING

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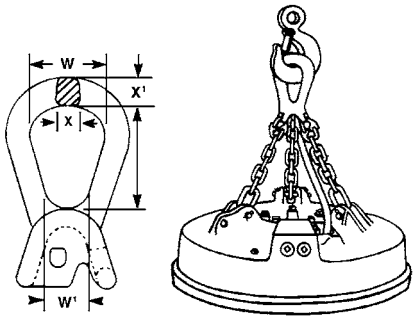
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

Magnet Chains (bell type)

The Campbell Magnet Bell
- Alloy casting with no moving parts
- Designed for operational ease and long life
- Supplied with Quik-Alloy® coupling links
- Equally spaced legs
- All legs operate without twist
- Entire assembly is proof tested alloy steel
- Bell stands upright when at rest



Chain Size in.	Chain Size mm	Cat. No.	UPC No. 020418	Magnet Diameter in.	Magnet Diameter mm	Standard Total Reach† in.	Standard Total Reach† mm	Length of Two Links in.	Length of Two Links mm	Approx. Wgt. of Assy. lb	Approx. Wgt. of Assy. kg	Approx. Weight Each lb	Approx. Weight Each kg	Working Load Limit lb	Working Load Limit kg
Bell Type															
¾	20	**0431235**	179938	39-44	991-1118	33½	851	4⅜	111	75	34	37	17	59,700	27,100
⅞	22	**0431435**	179946	44-45	1118-1143	35½	902	4⅞	124	92	42	37	17	74,700	33,900
1	26	**0431635**	179952	45- 60	1143 - 1524	39½	1003	5⅝	143	137	62	60	27	100,600	45,700
1¼	32	**0432035**	179969	60 & over	1524 & over	49½	1257	7	178	281	127	124	56	149,400	67,800

Dimensions

Chain Size in.	Chain Size mm	Bell Dimensions X1 in.	X1 mm	X in.	X mm	W in.	W mm	L in.	L mm	W1 in.	W1 mm	Dia. in.	Dia. mm	Inside Dimensions Width in.	Width mm	Length in.	Length mm	Length of Two Links in.	Length of Two Links mm
Bell Type																			
¾	20	2	51	2	51	4¼	108	7	178	3	76	⅞	22	2	51	6	152	4⅜	111
⅞	22	2	51	2	51	4¼	108	7	178	3	76	1	25	2⅛	54	6	152	4⅞	124
1	26	2¾	70	2¼	57	5 3/16	132	8	203	3½	89	1⅛	29	2¼	57	6	152	5⅝	143
1¼	32	2½	64	2½	64	7½	191	11	279	6	152	1½	38	2⅝	67	7	178	7	178

† Reach shown is standard unless otherwise specified. If additional reach is required, add 2 link increments to each leg. Dimensions and weights are approximate.
These items are made to order.

Field I.D. Tags

These tags are designed for field attachment. They are prestamped for easy addition of reach, working load limit, chain size, chain grade and sling serial number. Each steel tag measures 1½" x 4⅛" x 5/32" thick and has a 1 1/16"-diameter hole. Cut at top of tag allows you to attach to sling link. Also available solid (without split).
Box of 50 tags (order unit is "Carton").

Type	Cat. No.	UPC No. 020418	Tags Per Carton
Split	**7503506**	135309	50
Solid	**7503506C**	217319	50

7503506 **7503506C**

⚠ ADVERTENCIA

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- **NO LA UTILICE** si la cadena o los componentes están visualmente distorsionados o gastados.

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To prevent the possibility of serious bodily injury:
- **DO NOT EXCEED** the working load limits for chain or components.
- **DO NOT USE** if the chain or components are visibly distorted or worn.

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Campbell®
CLAMPS

Campbell® Clamps Table of Contents

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

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

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

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

Campbell Lifting Clamps

Campbell clamps are known and used throughout the world for lifting, conveying and positioning of sheet, plate, weldments and structurals. The heavier the load, the tighter they grip. Parts are drop forged for strength, dependability and long life, and all clamps are individually proof tested. Replacement parts are available when needed. If you have any doubts as to the clamp best suited to your application, contact your Apex Tool Group salesman.

NOTICE: The product specifications and dimensions are as accurate as possible at the time of printing. However, because we are constantly improving the quality and design of our products, they can change without notice.

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

WARNING

1. **Do not exceed Working Load Limit stamped on Clamp body.**
2. **Inspect clamp before each lift.**
3. **Stand clear of load when lifting.**
4. **Position clamp to balance load.**
5. **Insert plate or unit to full depth of throat opening.**
6. **Lift slowly and smoothly. Do not jerk load.**
7. **Do not lift more than one plate or sheet at a time.**
8. **Do not use a damaged clamp.**
9. **Read manufacturer's instructions before using clamps.**
10. **Do not use any Campbell clamp to lift tapered plates or beams.**
11. **When lifting plates with a hardness over 43 Rockwell C/400 BRINELL, use non-marring clamps only.**
12. **Campbell clamps are designed to be used at temperatures between 0°F and 200°F.**

Inspection, Maintenance & Repair

It is important to establish a regular procedure for clamp inspection. Frequency of inspection will depend upon the amount of use the clamp receives. Campbell clamps are built to withstand rough treatment, however, grit, dirt, sludge and mud should be removed. This may be done easily by immersing the entire clamp in a can of degreaser and leaving it there overnight. Also, periodic oiling of all pins and rivets will improve performance and help to extend the life of the clamp. You may wish to maintain a written record, indicating inspection dates, condition of the clamp on each of those dates, and any repairs made. Inspection records should be reviewed periodically.

Inspection Procedure

1. Cams—These are the parts likely to receive most wear. The amount of wear, of course, bears a direct relationship to the use the cam receives. Continued usage of plates of the same thickness will result in wear in only one area of the working surface of the cam, and will eventually require that the cam be replaced. The harder the plate is, the sooner the cam will be worn. A simple visual inspection of the cam is all that is required in most cases. The surfaces of the cam should be compared with unused surfaces. If any one tooth is worn or chipped more than 50% along the length of its crown, the cam should be replaced.
Note: The Pad and Cam should be replaced at the same time.
2. Pads—The pads of "GX" and "E" clamps are held in with a bolt and can be replaced simply by removing the bolt. If any one tooth is worn or chipped more than 50% along the length of its crown, the pad should be replaced.
Note: The Pad and Cam should be replaced at the same time.
3. Spread Jaw—Check the throat width of the clamp. At zero grip, the cam should be in full contact with the pad. If the width at the base (where the pad is located) is greater than the width at the top, the clamp has been overloaded and should be replaced.
Warning: Do not weld on the clamp body, as this may destroy the original heat treatment.
4. Linkage and Shackle Inspection—To remove the linkage from a "GX" clamp, remove the load pins from the body. The pins do not rotate, and under normal load do not require replacement. They should be inspected for bending, which is caused by overloads, and replaced as needed. Inspect the shackle for bending at the rivet, which is an indication of side pull. If this is a recurrent fault, use a chain connector on the clamp.

5. Rivet Inspection—Rivets may require replacement when a very loose connection is detected. Linkage should normally be free working. Should a rivet hole in the shackle, radius link or connecting link become stretched or enlarged (usually resulting from overloading), those parts should be replaced. It is advisable to replace the rivet as well. To replace any worn parts, drive rivets out over a relief opening, such as a small section of pipe or the opening in a vise.
Warning: Do not weld or substitute bolts for rivets. Check connecting links to ascertain that they are not bent.

6. Spring inspection—The spring should be of sufficient strength to hold the cam against the pad. If it is not, the spring should be replaced. In the case of the "E" clamp, the spring should be replaced if it fails to provide initial pressure at near zero grip.

7. Chains—Chains supplied with clamps should also be inspected carefully. To do this, use a Campbell wear gauge. Inspect chains link by link, checking for distorted, stretched or cracked links, nicks or gouges, pitted links and excessive wear of bearing surfaces and barrels.

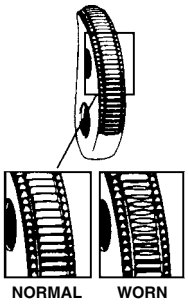
⚠ ADVERTENCIA

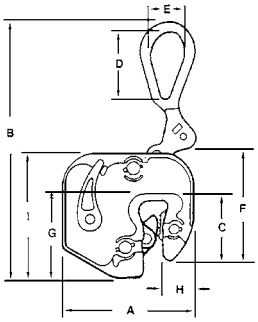
- Las mordazas en este catálogo no fueron diseñadas para ser utilizadas como conexión permanente de una placa o de otros objetos.
- El agarre depende de la fricción y de la presión entre ambas piezas. Si no se les da mantenimiento adecuado a las superficies de agarre y se utiliza la mordaza de manera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

⚠ WARNING

- The clamps in this catalog are not intended to serve as a permanent connection to a plate or other object.
- The grip depends on friction and a camming action. If the gripping surfaces are not properly maintained and the clamp is improperly used, the load may fall.
- Use extreme caution where overhead lifting is involved or where a failure could cause property damage or personal injury.
- Read maintenance materials and use instructions.

"GXL" Clamps





- Available in a 1/2, 1, 2, and 3 ton capacity
- Can be used for both vertical and horizontal to vertical lifting through 180°
- Drop forged and heat treated components, with gripping surfaces of case hardened alloy steel
- Exclusive feature is a patented wear indicator system. When any of cam's straight line, convex teeth are flattened between unique wear indicator grooves, it is time to change the cam
- **Note: The Pad and Cam should be replaced at the same time**
- Newly designed "Cam Engaging Locking Lever" keeps the cam in contact with the plate. The tension arm and spring mechanism facilitate attaching and removing the clamp. These clamps will not lift plate when in the "lever open" position
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp
- **Warning:** Never tamper with a clamp's tension arm and spring mechanism during a lift

Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
6422012	187049	1/16 - 5/8	2 - 16	5.5	2.50	1/2
6422001	185687	1/16 - 3/4	2 - 19	8	3.63	1
6422002	187032	1/16 - 7/8	2 - 23	10.5	4.77	2

Cat. No.	UPC No. 02148	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6422012	187049	5 15/16	151	10	254	2 1/8	54	2 5/8	67	2	51	4	102	3 1/4	83	1 3/16	30	5 3/16	132
6422001	185687	6 9/16	167	11 1/4	286	3 13/16	97	3 1/16	78	2 1/16	52	5	127	3 5/8	92	1 5/8	41	5 7/8	149
6422002	187032	7 1/4	184	12 1/8	308	2 9/16	65	3 5/16	84	2 1/4	57	4 7/8	124	3 1/2	89	1 5/8	41	5 15/16	151

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
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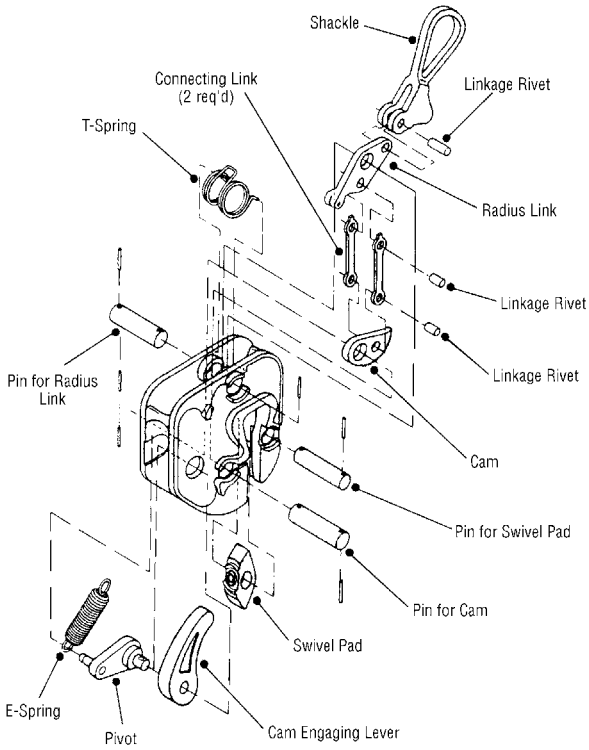
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for "GXL" Clamps



6506200 Shackle Kit Components

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

6506201 Cam / Pad Kit Components

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

Clamps

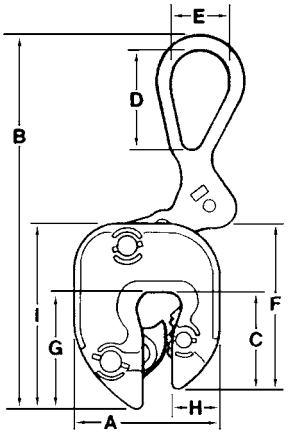
⚠ ADVERTENCIA

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

⚠ WARNING

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

"GX" Clamps



- "GX" clamp is entirely drop forged and heat treated
- Can be used for both vertical and horizontal-to-vertical lifting
- Exclusive feature is a patented wear indicator system. When any of cam's straight line, convex teeth are flattened between unique wear indicator grooves, it is time to change the cam
- **Note: The Pad and Cam should be replaced at the same time**
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
6423000	172199	1/16 - 5/8	1 - 16	4	2	1/2
6423920	175657	5/8 - 1 1/8	16 - 28	5	2	1/2
6423005	172205	1/16 - 3/4	1 - 19	8	4	1
6423923	175664	3/4 - 1 3/8	19 - 35	9	4	1
6423010	172229	1/16 - 1	1 - 25	17	8	3
6423925	175671	1 - 1 3/4	25 - 44	20	9	3
6423015	177583	1/2 - 2	13 - 51	40	18	5

Cat. No.	UPC No. 02148	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6423000	172199	4	102	9 1/2	241	2 3/16	56	2 3/4	67	2	51	4 1/8	105	2 7/8	73	1 3/8	35	4 7/8	124
6423920	175657	5	127	9 1/2	241	2 3/16	56	2 5/8	67	2	51	4 1/8	105	2 7/8	73	1 5/8	41	4 7/8	124
6423005	172205	4 3/4	121	11 1/4	286	3 1/16	78	3 1/16	78	2 1/16	52	5 1/4	133	3 5/8	92	1 5/8	41	5 7/8	149
6423923	175664	5 7/8	149	11 1/4	286	3 1/16	78	3 1/16	78	2 1/16	52	5 1/4	133	3 5/8	92	1 5/8	54	5 7/8	149
6423010	172229	6	152	14	356	3 9/16	90	3 13/16	97	3	76	6 3/4	171	4 7/16	113	2	51	7 5/8	194
6423925	175671	7 1/4	184	14	356	3 9/16	90	3 13/16	97	3	76	6 3/4	171	4 7/16	113	2 1/4	57	7 5/8	194
6423015	177583	8 7/8	225	20	508	4 11/16	119	5	127	3 15/16	100	8 3/4	219	5 15/16	151	3 13/16	97	9 15/16	252

Clamps

⚠ ADVERTENCIA

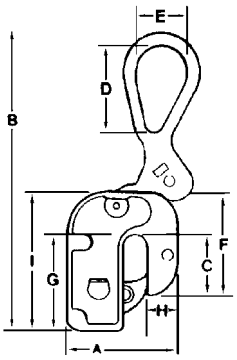
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

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

Short Leg Structural "GX" Clamps

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



Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
6423100	177330	1/16 - 5/8	1 - 16	4	2	1/2
6423105	177347	1/16 - 3/4	1 - 19	7	3	1
6423108	183041	1/16 - 7/8	1 - 22	15	7	2
6423110	177354	1/16 - 1	1 - 25	18	8	3

Cat. No.	UPC No. 02148	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	F in.	F mm	G in.	G mm	H in.	H mm	I in.	I mm
6423100	177330	4	102	9 1/2	241	2 1/8	54	2 5/8	67	2	51	4 1/16	103	2 7/8	73	1 3/8	35	4 3/4	121
6423105	177347	4 3/4	121	11 5/16	287	2 5/8	67	3 1/16	78	2 1/16	52	4 7/8	124	3 9/16	90	1 21/32	42	5 13/16	148
6423108	183041	5 1/8	130	12 1/8	308	2 5/8	67	3 5/16	84	2 1/4	57	5	127	3 9/16	90	1 5/8	41	5 15/16	151
6423110	177354	6	152	15 1/16	383	3 7/16	87	3 13/16	97	3	76	6 9/16	167	4 3/16	106	2	51	7 5/16	186

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

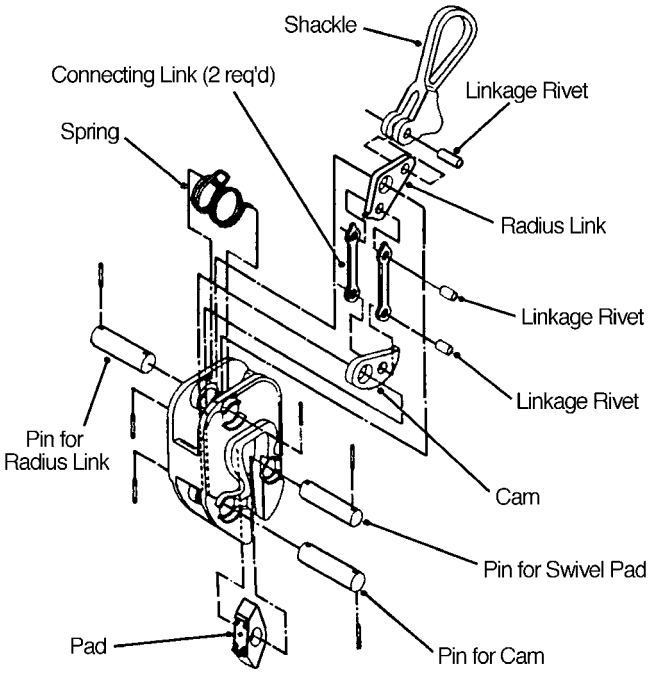
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Replacement Part Kits for "GX" Clamps

6506000 Shackle Kit Components

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

6506001 Cam / Pad Kit Components



Clamp Kit Parts Listing for GX Series Lifting Clamps

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

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

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

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

Chain Connector Clamps

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

Cat. No.	UPC No. 02148	Working Load Limit Metric Ton	Grip Range in.	Grip Range mm	Weight lb	Weight kg
"GX" Style						
6423900	175947	½	1/16 - 5/16	1 - 16	5	2
6423905	175954	1	1/16 - ¾	1 - 19	9	4
Short Leg Structural "GX" Style						
6423805	177378	1	1/16 - ¾	1 - 19	10	5

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

Two-Part Sling

Mini-Sling

Model "GX" Rubber Pad (Non-Marring) Clamps

- Has a rubber covered pad and cam of relatively smooth metal conditioned to grip tightly
- Should be used for lifting smooth polished plates and/or hard plates over 43 Rockwell C/400 Brinnell
- Lifts heavy plates with minimum marring
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
6423600	175916	1/16 - ⅜	1 - 9	6	3	½
6423605	175923	1/16 - ⅝	1 - 16	22	10	1

Clamps

⚠ ADVERTENCIA

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

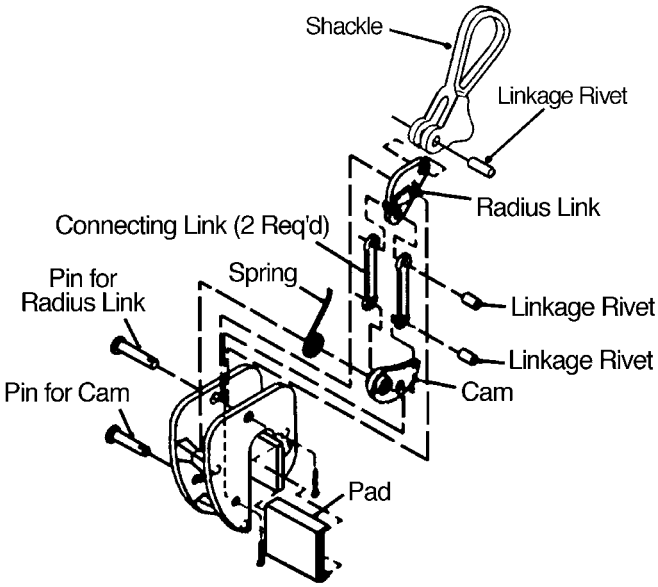
⚠ WARNING

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

Replacement Part Kits for "GX" Rubber Pad Clamps

6506060 Shackle Kit Components

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



6506061 RPC Cam / Pad Kit Components

Capacity	½ TON		1 TON	
Part Name	**Cat. No.**	UPC No. **020418**	**Cat. No.**	UPC No. **020418**
Shackle Kit	**6506050**	210280	**6506070**	210266
Kit Includes: 1 Shackle, 1 Radius Link, 1 T-Spring, 2 Connecting Links, 1 Radius Link Pin, 3 Linkage Rivets, 2 Sel-locs				
Cam / Pad Kit	**6506061**	210297	**6506071**	210273
Kit Includes: 1 Cam, 1 Rubber Pad, 1 Cam Pin, 1 Pad Pin, 1 T-Spring, 1 Rivet, 4 Sel-locs, 3 Screws				

⚠ ADVERTENCIA

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

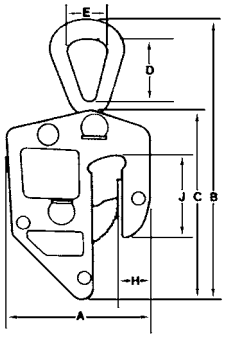
⚠ WARNING

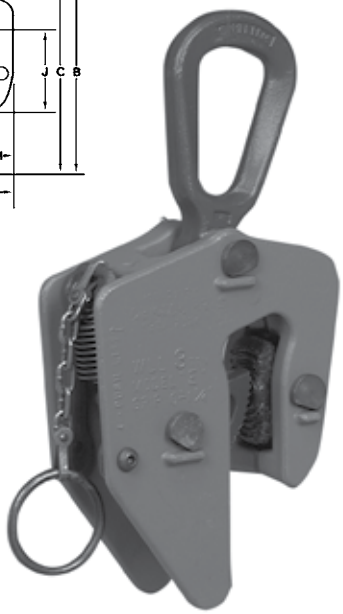
- Select proper size clamp for the job.
- Determine the weight of the plate to be lifted.
- Do not exceed WLL (Working Load Limit) shown on clamp.
- Plate thickness must be within grip range shown on clamp.

Locking "E" Clamps

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

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





Merrill Model No.	Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
3E	**6420701**	096112	0 - 1 1/4	0 - 32	20	9	3
5E	**6420702**	096129	0 - 1 1/2	0 - 38	28	13	5
5E	**6420703**	096136	1 1/4 - 2 1/2	32 - 64	33	15	5
8E	**6420705**	096150	1/2 - 2 1/2	13 - 64	81	37	8
8E	**6420706**	096167	2 - 4	51 - 102	84	38	8

Cat. No.	UPC No. 02148	Dimensions A in.	A mm	B in.	B mm	C in.	C mm	D in.	D mm	E in.	E mm	H in.	H mm	J in.	J mm
6420701	096112	7 1/4	184	14 3/8	365	9 1/4	235	3 1/2	89	2	51	2	51	4 3/8	111
6420702	096129	8 7/8	225	16	406	10 1/2	267	3 1/2	89	2 1/2	64	2 11/16	68	5	127
6420703	096136	10 1/2	267	16 5/8	422	11 1/4	286	3 1/2	89	2 1/2	64	3 1/8	79	5 1/4	133
6420705	096150	14 1/8	359	22 3/4	578	15 3/4	400	5	127	3 1/2	89	4 7/8	124	8 1/2	216
6420706	096167	16	406	23	584	16 1/4	413	5	127	3 1/2	89	5 1/16	129	8 3/4	222

Clamps

⚠ ADVERTENCIA

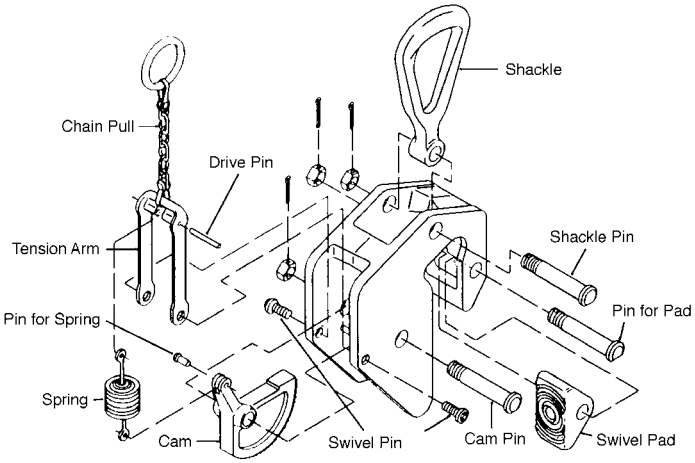
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

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

Replacement Part Kits for Locking "E" Clamps

6507030 Shackle Kit Components



6507031 Cam / Pad Kit Components

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

Clamps

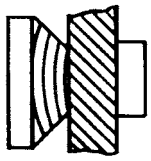
⚠ ADVERTENCIA

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

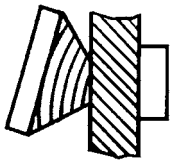
⚠ WARNING

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

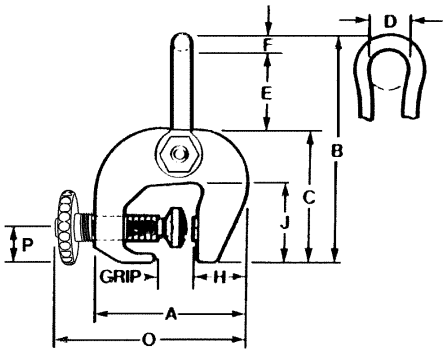
SAC (Screw-Adjusted Cam) Plate Clamps



Cam position under no load.



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



- Recommended for turning plates from horizontal to vertical as well as through a 180° arc
- The convex, serrated cam swivels on a ball joint so that the area of cam engagement increases as load increases
- Drop forged body and shackle
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

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

Merrill Model No.	Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
SAC-1	**6421000**	096396	0 - 1	0 - 25	6 1/4	3	1
SAC-3	**6421001**	096402	0 - 2	0 - 51	16	7	3
SAC-6	**6421002**	096419	0 - 3	0 - 76	40	18	6

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

** At 0" grip.

Clamps

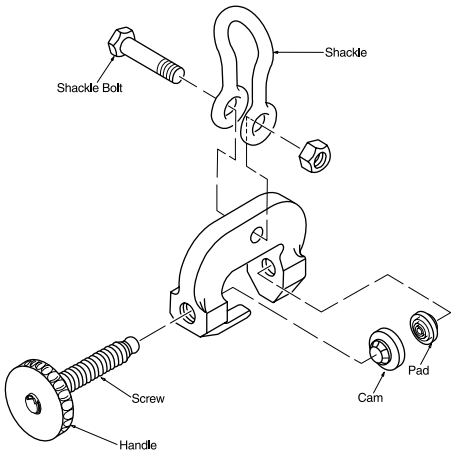
ADVERTENCIA

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

WARNING

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

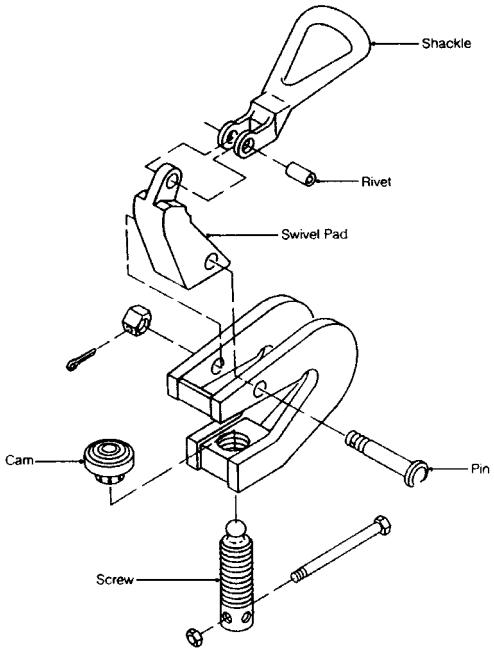
Replacement Parts for SAC Clamps



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

6501000 Cam / Pad Kit

Replacement Part for Multipurpose SAC Clamps



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

⚠ ADVERTENCIA

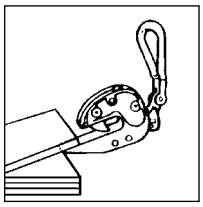
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

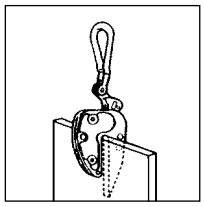
⚠ WARNING

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

Sharp Leg Clamps, "GX" Style

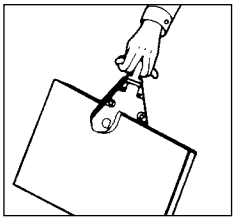
- Designed to lift plates from a stack from horizontal to vertical positions in a 90° arc (not 180°)
- The long sharp leg can be driven between the top two plates to fully engage the clamp
- 100% proof tested with certificate of test attached to each clamp
- Replacement parts are same as for standard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

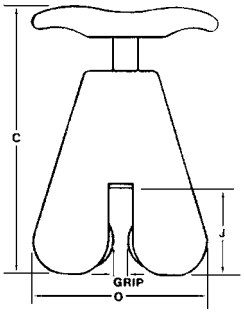




Cat. No.	UPC No. 02148	Grip Range in.	Grip Range mm	Clamp Weight in.	Clamp Weight mm	Working Load Limit Metric Ton
6423500	175534	1/16 - 5/8	1 - 16	5	2	1/2
6423505	175541	1/16 - 3/4	1 - 19	9	4	1
6423510	175558	1/16 - 1	1 - 25	26	12	3

Duplex Hand Grip





- Designed to carry or pull any object that will fit into its jaws
- Grips and releases automatically

Merrill Part No.	Cat. No.	UPC No. 020418	Working Load Limit lb	Working Load Limit kg	Handle Length in.	Grip Range in.	Grip Range mm	Dimensions C in.	Dimensions C mm	Dimensions J in.	Dimensions J mm	Dimensions O in.	Dimensions O mm	Weight lb	Weight kg
3	**6421801**	096693	500	227	2	0 - 5/16	0 - 8	6	152	1 7/8	48	3 3/4	95	2	1
3	**6421802**	096709	500	227	Eye nut	0 - 5/16	0 - 8	8	203	1 7/8	48	3 3/4	95	2	1
3	**6421803**	096716	500	227	6	0 - 5/16	0 - 8	12	305	1 7/8	48	3 3/4	95	3	1
3	**6421805**	096723	500	227	10	0 - 5/16	0 - 8	16	406	1 7/8	48	3 3/4	95	3	1
3	**6421806**	096730	500	227	18	0 - 5/16	0 - 8	23	584	1 7/8	48	3 3/4	95	4	2

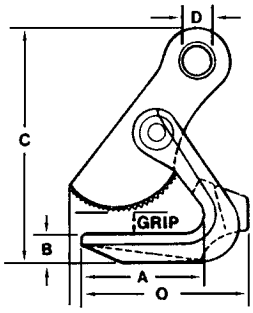
⚠ ADVERTENCIA

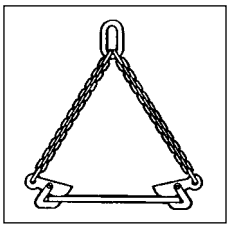
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

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

Horizontal Plate Clamp





- One man can handle plates with this clamp
- Dual springs hold cam on the work while the second clamp is placed
- Sold in pairs **ONLY**
- Clamps are 100% Proof Tested and Certificate of Test supplied with each clamp

Merrill Part No.	Cat. No.	UPC No. 020418	Working Load Limit Per Pair	Grip Range		Cam Width		Dimensions										Weight Per Pair	
								A		B		C		D		O			
			Metric Ton	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
6H	**6421701**	096686	6	0 - 1½	0 - 38	¾	19	4½	114	1	25	8	203	1	25	7½	191	28	13.6

Replacement Parts for Horizontal Plate Clamp

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

Clamps

⚠ ADVERTENCIA

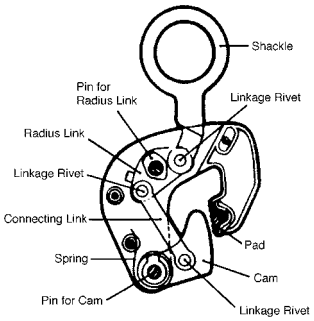
- Seleccione el tamaño de mordaza adecuado para el trabajo.
- Determine el peso de la placa a ser alzada.
- No exceda el limite de carga de trabajo (WLL) mostrado en la mordaza.
- El espesor de la placa debe estar dentro de la gama de agarre mostrada en la mordaza.

⚠ WARNING

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

Drum Handling Equipment, Single Drum Lifter, No. 52

- Lifts steel drums with or without heads removed
- Drums can be lifted from either horizontal or vertical positions and then reversed
- Snaps onto drum and is held there by its spring-loaded cam even when there is no load
- **Note: THIS CLAMP IS NOT SUITABLE FOR LIFTING PLATES OR SHEETS**



Merrill Model No.	Cat. No.	UPC No. 020418	Working Load Limit Per Pair Metric Ton	Dimensions										Weight	
				Overall Width		Bearing to Pad Center		I.D. Eye		Bead Recess		Max. Jaw Opening			
				in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
52	**6410101**	095634	½	5	127	6	152	1¾	44	½ x¾	13x19	⅞	22	4¾	2

Replacement Parts for Drum Lifter, No. 52

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

Made to Order

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

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

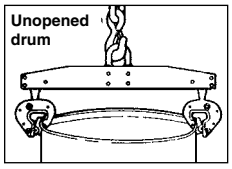
Chain Sling For Drums, No. 13

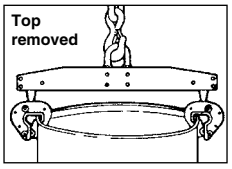
- Double sling assembly consisting of 9/32" alloy chain, two No. 52 drum lifters and CO-1 master link
- Chain legs connected by Quik-Alloy coupling links

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

Twin Drum Lifter, No. 252

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





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

NOTE: Available replacement parts listed on previous page.

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

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

Drum Deheader, No. 138

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

Drum Deheader Operating Instructions:

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

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

Replacement Parts for Drum Deheader, No. 138

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

Clamps

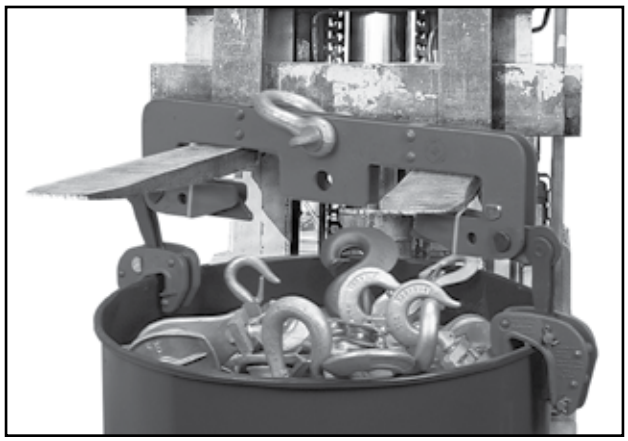
⚠ ADVERTENCIA

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

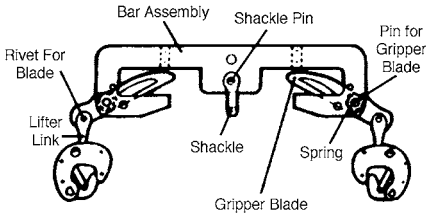
⚠ WARNING

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

Fork Truck Drum Lifter, No. 260



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



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

Clamps

⚠ ADVERTENCIA

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

⚠ WARNING

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

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