

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 or 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. CooperTools 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
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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 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:

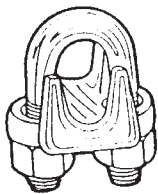
- **DO NOT EXCEED** the working load limit.
- **DO NOT** shock or impact load.
- **DO NOT USE** if the fitting is visibly distorted or worn.

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.

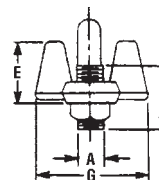
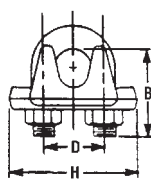
For classes of wire rope not mentioned, additional clips may be necessary to make a proper termination. Do not use on plastic coated wire rope.

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.	Cat. No.	UPC No. 020418	Min. No. of Clips Req.	Dimensions																Clips		Weight/ 100	
				A		B		C		D		E		G		H		Per Box	lb	kg			
				UNC-2A in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm	in. mm						
* 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

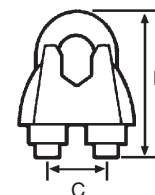
3300, Wire Rope Clips (Malleable Iron, Zinc Plated) (Imported)

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

Fig. No.	Size	Dimensions						Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Wgt.	
		A	B	C	D							lb	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

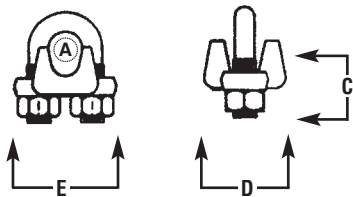
To prevent the possibility of serious bodily injury:

- **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



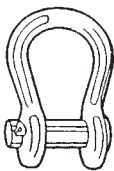
For Rope Diameter				Dimensions								Weight Per 100		
A		Cat.	UPC No.	B		C		D		E		Clips Per Fastening		
in.	mm	No.	020418	in.	mm	in.	mm	in.	mm	in.	mm		lb.	kg.
1⁄8	3	6403002	094101	5⁄32	4	9⁄16	14	3⁄4	19	3⁄4	19	2	4	2
3⁄16	5	6403003	094118	1⁄4	6	3⁄4	19	7⁄8	22	1 1⁄8	29	2	10	5
1⁄4	6	6403004	094125	5⁄16	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

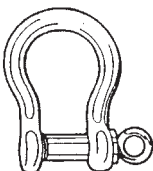
Shackles

- 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

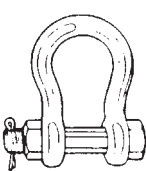
READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SHACKLES.



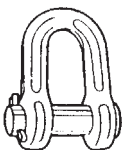
ROUND PIN
ANCHOR
SHACKLE



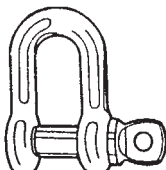
SCREW PIN
ANCHOR
SHACKLE



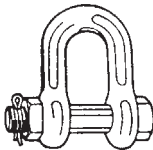
SAFETY
ANCHOR
SHACKLE



ROUND PIN
CHAIN
SHACKLE



SCREW PIN
CHAIN
SHACKLE



SAFETY
CHAIN
SHACKLE

! 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.

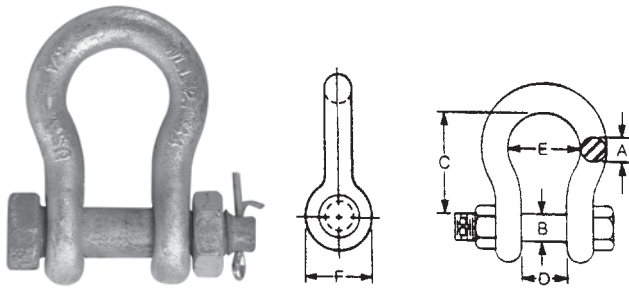
WLL in Tons—Campbell Carbon and Alloy Shackles

Shackle Size, in.	mm	In-Line Load WLL		45° Load WLL		90° Load WLL	
		ton	kg	ton	kg	ton	kg
3/16	5	1/8	302	1/8	181	1/8	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.	mm	In-Line Load WLL		45° Load WLL		90° Load WLL	
		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

Fittings

Size		Cat. No.	UPC No. 020418	Working		Tolerances				Dimensions										Weight/ 100	
in.	mm			Load Limit ton	kg	Length ±in. ±mm	Width ±in. ±mm	B		C		D		E		F		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	1 1/16	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.	UPC No.	Working		Tolerances				Dimensions								Weight/			
				Load Limit		Length	Width		B		C		D		E		F		100		
in.	mm	No.	020418	ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
½	13	5390895	182198	3¼	2948	⅛	3	⅙	2	⅝	16	1⅝	49	1⅜	21	1¼	32	1¼	32	70	32
¾	19	5391295	182105	7	6350	¼	6	⅙	2	⅞	22	2⅜	71	1¼	32	1⅜	46	¾	44	200	91
1	25	5391695	182112	12½	11340	¼	6	⅙	2	1⅛	29	¾	95	1⅞	43	2½	64	2⅝	60	500	227
1¼	32	5392095	182129	18	16329	¼	6	⅙	2	1⅜	35	4½	114	2	51	¾	83	3	76	1000	454
1½	38	5392495	075698	30	27216	¼	6	⅙	3	1⅝	41	5¾	146	2⅝	60	3⅞	98	3½	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.



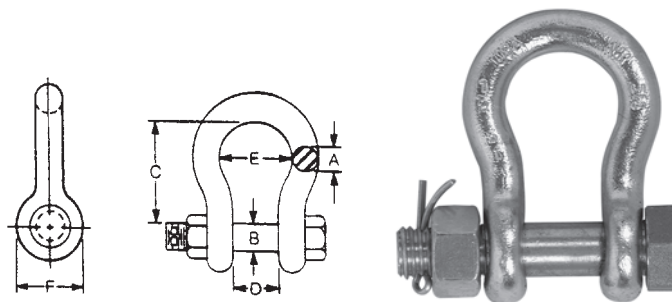
WARNING

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.	UPC No.	Working		Tolerances				Dimensions								Weight			
				Load Limit		Length		Width		B		C		D		E		F		Each	
in.	mm	No.	020418	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.

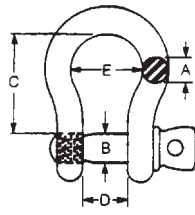
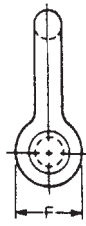


WARNING

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

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

Size		Cat. No.	UPC No. 020418	Working Load Limit		Tolerances				Dimensions										Weight/100	
				ton	kg	Length	Width	B	C	D	E	F								lb	kg
in.	mm					±in. ±mm	±in. ±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
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	1 1/16 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 3/8 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		Tolerances				Dimensions										Weight/ 100	
in.	mm			Load Limit		Length	Width		B		C		D		E		F		lb	kg	
				ton	kg	±in. ±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			
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	1⁄8	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	1⁄4	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	1½	1361	1⁄8	3	1⁄16	2	1⁄2	13	1¾	44	23⁄32	18	15⁄32	29	1¹⁄8	29	52	24
1⁄2	13	5410835	076275	2	1814	1⁄8	3	1⁄16	2	5⁄8	16	1¹⁵⁄16	49	13⁄16	21	1¼	32	1¼	32	70	32
5⁄8	16	5411035	076299	3¼	2948	1⁄8	3	1⁄16	2	¾	19	2⁷⁄16	62	1¹⁄16	27	1⁹⁄16	40	1⁷⁄16	37	130	59
¾	19	5411235	076312	4¾	4309	1⁄4	6	1⁄16	2	7⁄8	22	2¹³⁄16	71	1¼	32	1¹³⁄16	46	1¾	44	200	91
7⁄8	22	5411435	076336	6½	5897	1⁄4	6	1⁄16	2	1	25	3¹⁄8	79	1⁷⁄16	37	2¹⁄16	52	2	51	330	150
1	25	5411635	076350	8½	7711	1⁄4	6	1⁄16	2	1¹⁄8	29	3¾	95	1¹¹⁄16	43	2½	64	2³⁄8	60	500	227
1¹⁄8	29	5411835	076374	9½	8618	1⁄4	6	1⁄16	2	1¼	32	4¼	108	1¹³⁄16	46	2¹⁵⁄16	75	2⁵⁄8	67	710	322
1¼	32	5412035	076398	12	10886	1⁄4	6	1⁄16	2	1³⁄8	35	4½	114	2	51	3¼	83	3	76	1000	454
1³⁄8	35	5412235	076411	13½	12247	1⁄4	6	1⁄8	3	1½	38	5¼	133	2¼	57	3½	89	3¼	83	1300	590
1½	38	5412435	076435	17	15422	1⁄4	6	1⁄8	3	1⁵⁄8	41	5¾	146	2³⁄8	60	3⁷⁄8	98	3½	89	1600	726
1¾	44	5412835	076466	25	22680	1⁄4	6	1⁄8	3	2	51	7	178	2⁷⁄8	73	4¾	121	4	102	2850	1294
2	51	5413235	076480	35	31752	1⁄2	13	1⁄8	3	2¼	57	7¾	197	3¼	83	5¾	146	4⁷⁄8	124	4000	1816
2½	64	5414035	076527	55	49896	1⁄2	13	1⁄8	3	2¾	70	10⁹⁄16	268	4¹⁄8	105	7¼	184	5½	140	9000	4086

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

Size		Cat.	UPC No.	Working		Tolerances				Dimensions										Weight/ Shelf Pack	
				Load Limit		Length	Width		B		C		D		E		F				
in.	mm	No.	020418	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	1 1/16	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.	UPC No.	Working		Tolerances				Dimensions										Weight/	
				Load Limit		Length		Width		B		C		D		E		F		100	
in.	mm	No.	020418	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	17⁄16	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.

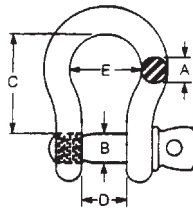
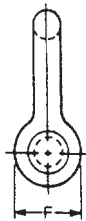


WARNING

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)

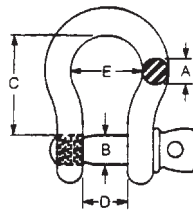


- Industrial grade
- Forged steel
- Galvanized
- Design factor: 5 to 1
- Working Load Limit shown on every shackle
- UPC tagged

Size		Cat.	UPC No.	Working Load Limit		Dimensions										Shelf Pack	Case Pack	Case			
						A		B		C		D		E				F		Weight	
in.	mm	No.	020418	Tons	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm			lb	kg
3⁄16	6	T9640335	211706	1⁄8	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

Fittings

Anchor Shackles – Screw Pin Type 316 Stainless Steel



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

Size		Cat. No.	UPC No. 020418	Working		Tolerances				Dimensions										Weight	
in.	mm			Load Limit lb kg	Length ±in. ±mm	Width ±in. ±mm	B		C		D		E		F		Each lb 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	1 1/16	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.



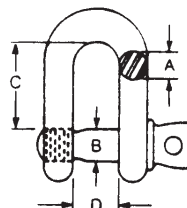
WARNING

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

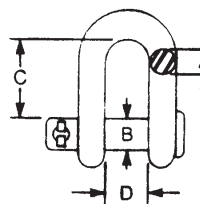
- Standard Material: All shackle bodies are drop forged carbon steel. All pins are alloy steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Working load limit permanently shown on every shackle
- Design Factor: 6 to 1
- Other Features: Meets Federal Specification TR-C-271 Type VII, Class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



Size		Cat.	UPC No.	Working		Tolerances				Dimensions								Weight/	
				Load Limit		Length	Width	B	C	D	F	100							
in.	mm	No.	020418	ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	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

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		Cat.	UPC No.	Working		Tolerances				Dimensions								Weight/	
				Load Limit		Length		Width		B		C		D		F		100	
in.	mm	No.	020418	ton	kg	±in.	±mm	±in.	±mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	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:

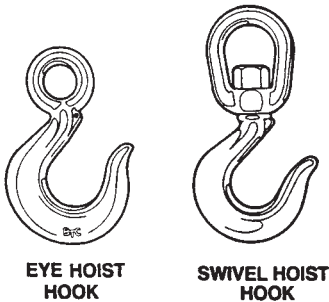
- **DO NOT EXCEED** the working load limit.
- **DO NOT** shock or impact load.
- **DO NOT USE** if the fitting is visibly distorted or worn.

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.



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.

Working Load Limits — Swivels

Size	Carbon Steel WLL		Alloy WLL	
	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

Fittings

! 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.

! ADVERTENCIA

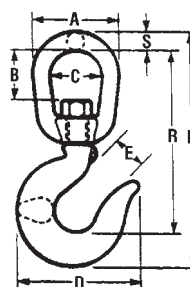
- Para prevenir la posibilidad de lesiones graves:
- **NO EXCEDA** el límite de carga de trabajo (WLL).
 - **NO LA UTILICE** choque o golpee la carga.
 - **NO USE** el accesorio si se ve deformado o desgastado.

! 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		Carbon Steel Galvanized		Working Load Limit		Alloy Steel – Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	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		B		C		D		E		F		S		L		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	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 7/32	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.

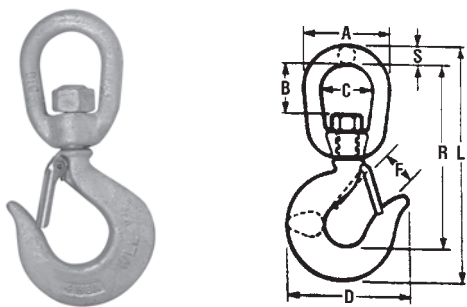


WARNING

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

Fittings

Size No.	Self Colored		Carbon Steel Galvanized		Working Load Limit		Alloy Steel – Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	kg
2	3942205	072031	3942235	072048	¾	680	3952215	072321	1	907	0.67	.3
3	3942305	072055	3942335	072062	1	907	3952315	072338	1½	1361	0.67	.3
4	3942405	072079	3942435	072086	1½	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	4½	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		B		C		D		E		F		S		L		R	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
2	2	51	1	25	1¼	32	3	76	1	25	7⁄8	22	¾	10	5½	140	4¾	111
3	2½	64	1¼	32	1½	38	3⅜	81	1⅛	27	31⁄32	25	½	13	6⅝	168	5¼	133
4	2½	64	1¼	32	1½	38	3⅞	90	1⅛	29	1	25	½	13	7⅞	181	5⅝	143
5	3	76	1⅝	41	1¾	44	4	102	1¼	32	1⅞	29	⅝	16	8⅜	210	6⅞	167
7	3½	89	1¾	44	2	51	4⅝	125	1⅞	39	1⅝	33	¾	19	9⅞	240	8	203
9	4½	114	2¼	57	2½	64	6⅝	164	1⅝	49	1⅝	41	1	25	12½	318	9⅞	246
11	5⅝	143	2¾	70	3⅞	79	7⅜	196	2⅝	59	2	51	1¼	32	15	381	11½	292
12	5⅝	143	2⅝	67	3⅞	79	7⅜	198	2⅝	59	2⅞	54	1¼	32	16⅜	407	12¼	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.

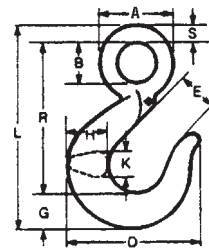
WARNING

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



Carbon Steel – Self Colored					Alloy Steel – Painted Orange					Weight Each	
Size No.	Cat. No.	UPC No. 020418	Working Load Limit		Cat. No.	UPC No. 020418	Working Load Limit			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 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
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	1 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 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.

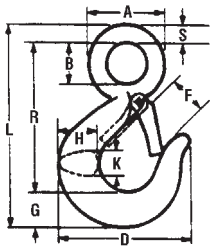


WARNING

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.

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

Fittings

Size No.	Self Colored		Carbon Steel Galvanized		Working Load Limit		Alloy Steel – Painted Orange		Working Load Limit		Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	ton	kg	Cat. No.	UPC No. 020418	ton	kg	lb	kg
22	3914205	071379	3914235	071386	¾	680	3924215	071720	1	907	.54	.25
23	3914305	071393	3914335	071409	1	907	3924315	071737	1½	1361	.72	.33
24	3914405	071416	3914435	071423	1½	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	2½	2268	--	--	--	--	2.24	1.02
27	3914705	071478	3914735	071485	3	2722	3924715	071768	4½	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	--	--	7½	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.	in.	A mm	B in.	mm	D in.	mm	E in.	mm	F in.	mm	G in.	mm	H in.	mm	K in.	mm	L in.	mm	R in.	mm	S in.	mm
22	1 ¹¹ / ₁₆	43	1 ⁵ / ₁₆	24	2 ³¹ / ₃₂	75	1 ¹ / ₃₂	26	2 ⁹ / ₃₂	23	2 ⁵ / ₃₂	20	2 ⁹ / ₃₂	23	9 ⁹ / ₁₆	14	4 ⁷ / ₁₆	113	3 ⁹ / ₃₂	83	3 ³ / ₈	10
23	1 ¹³ / ₁₆	46	1 ⁵ / ₁₆	24	3 ³ / ₁₆	81	1 ¹ / ₁₆	27	3 ¹ / ₃₂	25	2 ⁷ / ₃₂	21	3 ¹ / ₃₂	25	5 ⁵ / ₈	16	4 ²¹ / ₃₂	118	3 ³ / ₈	86	7 ¹ / 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	1 ¹ / ₁₆	17	5 ⁹ / ₃₂	134	3 ³ / ₄	95	1 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	1 ³ / ₁₆	21	5 ⁷ / ₈	149	4 ⁵ / ₃₂	106	9 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	1 ⁵ / ₁₆	24	6 ¹¹ / ₁₆	170	4 ²³ / ₃₂	120	2 ¹ / 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	1 ¹ / 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	1 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 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.



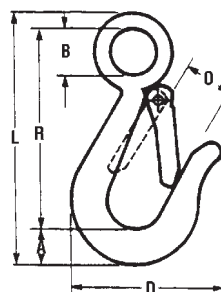
WARNING

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

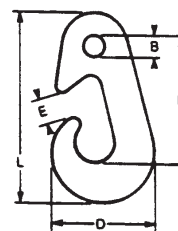
- Standard Material: Drop-forged carbon steel heat treated
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1



Hook Size A		Packed Each		Box of 10		Working		Dimensions										Weight/ 100	
		Cat.	UPC No.	Cat.	UPC No.	Load Limit	B	D	L	O	R								
in.	mm	No.	020418	No.	020418	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	2 1/32	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

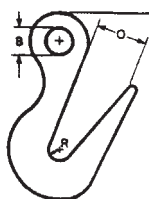


Size	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions										Weight Each	
			ton	kg	B	D	E	L	R						lb	kg
					in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
23	TF3899523	*155963	10	9072	1 17/32	39	7	178	1 3/4	44	12 7/8	327	8 5/8	219	14.5	7

* 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/	
		Tip		Bottom		B	L	R	O							100	
		ton	kg	ton	kg	in.	mm	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

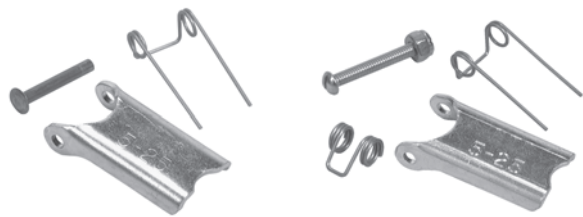
916-G

Campbell Latch Kit

916-U

Universal Latch Kit

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

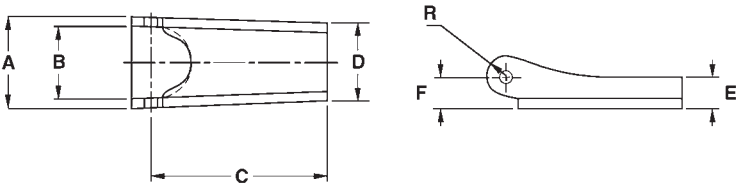


916-G LATCH KIT
FOR CAMPBELL HOOK

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

		916-G kit		Universal kit		Dimensions												Weight/ 100				
Size	Size	Cat.	UPC No.	Cat.	UPC No.	A		B		C		D		E		F		R				
in.	mm	No.	No.	No.	No.	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	1 1/16	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
275-G

Eye & Eye
Jaw & Eye

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING SWIVELS.

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



EYE AND EYE
SWIVEL



JAW AND EYE
SWIVEL

! 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.

Fittings

! ADVERTENCIA

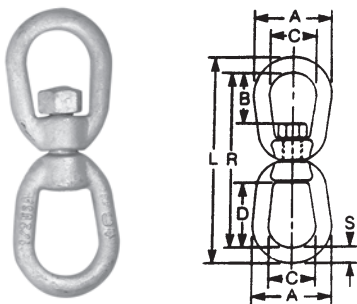
- Para prevenir la posibilidad de lesiones graves:
- **NO EXCEDA** el límite de carga de trabajo (WLL).
 - **NO LA UTILICE** choque o golpee la carga.
 - **NO USE** el accesorio si se ve deformado o desgastado.

! 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.

272-G, Eye & Eye Swivels

Drop-Forged Carbon Steel

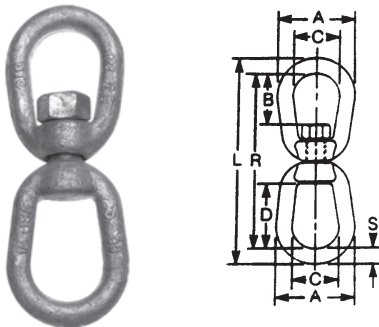


- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets Federal Specification RR-C-271 Type VII, Class 2

Fittings

Size		Cat. No.	UPC No. 020418	Working Load Limit		Dimensions												Weight/ 100	
in.	mm			lb	kg	A		B		C		D		L		R		lb	kg
						in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm		
¼	6	3630435	069901	850	386	1¼	32	¾	19	¾	19	1⅛	27	3⅝	86	2⅞	73	15.5	7.0
⅕	8	3630535	069918	1250	567	1⅝	41	¾	19	1	25	1¼	32	4⅞	105	3⅝	92	28.5	12.9
⅜	10	3630635	069925	2250	1021	2	51	1	25	1¼	32	1½	38	5	127	4¼	108	59	26.8
½	13	3630835	069932	3600	1633	2½	64	1¼	32	1½	38	1⅝	49	6¾	171	5¾	146	124	56.3
⅝	16	3631035	069949	5200	2359	3	76	1⅝	41	1¾	44	2⅜	60	8	203	6¾	171	238	108.1
¾	19	3631235	069956	7200	3266	3½	89	1¾	44	2	51	2½	64	8¾	222	7¼	184	365	165.7
⅞	22	3631435	069963	10000	4536	4	102	2⅞	54	2¼	57	3⅛	78	10⅜	264	8¾	222	568	257.9
1	25	3631635	069970	12500	5670	4½	114	2¼	57	2½	64	3½	89	11¾	298	9¾	248	891	404.5
1¼	32	3632035	069987	18000	8165	5⅝	143	3¼	83	3⅞	79	3⅞	98	13⅝	354	11½	292	1627	738.7

Eye & Eye Swivels (Imported)



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

Size	Cat.	UPC No.	Working		Dimensions								Case				
			Load Limit		S		C		D		R		Shelf	Case	Weight		
in.	mm	No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	Pack	Pack	lb	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.

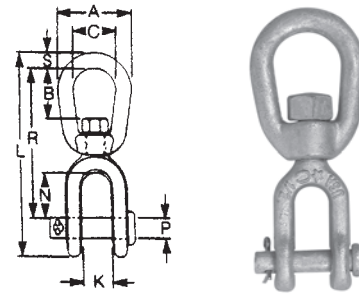
WARNING

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

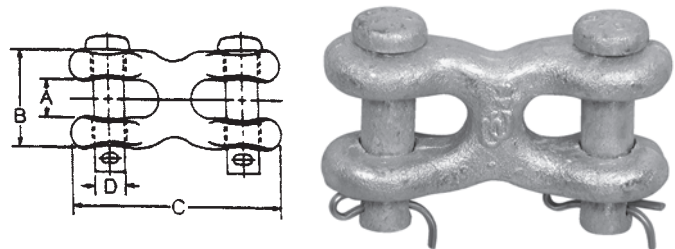


Size		Cat.	UPC No.	Working				Dimensions												Weight/			
				Load Limit		A		B		C		K		L		N		P		R		100	
in.	mm	No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	3640435	069994	850	386	1 1/4	32	3/4	19	3/4	19	1/2	13	3 5/32	80	3/4	19	1/4	6	2 7/16	62	21	10
5/16	8	3640535	070006	1250	567	1 5/8	41	3/4	19	1	25	1/2	13	3 3/4	95	1 3/16	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	1 1/16	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	1 5/16	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				Cat.	UPC No.	Working		Dimensions								Pieces	Weight/	
						Load Limit	A	B	C	D	Per	Box	lb	kg				
in.	mm	in.	mm	No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	Box	lb	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.

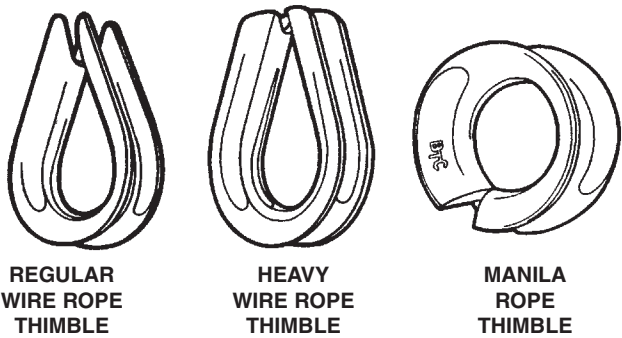
Thimbles

- 765-G Heavy Wire Rope

83-G Manila Rope
- Stainless Regular Wire Rope

Stainless Heavy Wire Rope

READ AND UNDERSTAND THESE WARNINGS AND INSTRUCTIONS BEFORE USING THIMBLES.



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 estab-*

 **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.

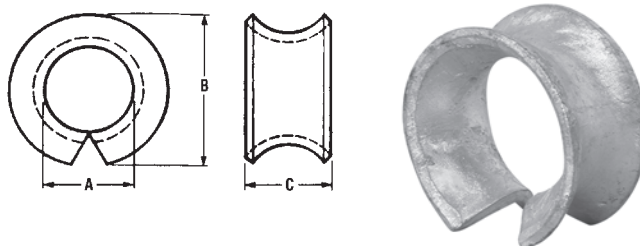
 **WARNING**

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.		Cat. No.	UPC No. 020418	Max. Pin Dia.		Dimensions						Weight/100	
in.	mm			in.	mm	A	B	C				lb	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 3/4	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.		Cat. No.	UPC No. 020418	Thickness	Overall		Length	Inside Width		Weight/100	
in.	mm				mm	in.		mm	in.	lb	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.

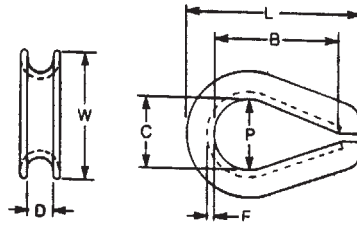


WARNING

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

Fittings

For Rope					UPC No. 020418	Dimensions														Weight/ 100	
Dia.		Cat. No.	mm	B		C		D		F		L		P (pin)		W		lb	kg		
in.	mm - in.			in.		mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.			mm	in.
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	1 1/16	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				Overall						Weight/	
Dia.		Cat.	UPC No.	Thickness	Length		Inside Width		100		
in.	mm	No.	020418	in.	mm	in.	mm	in.	mm	lb	kg
1/4	6	6407604	095436	13/32	10	23/16	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.



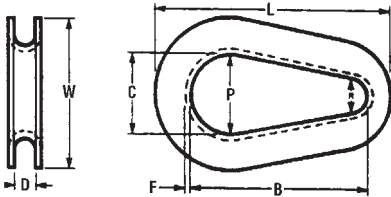
WARNING

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 Diameter				Cat. No.	UPC No. 020418	Weight/100	
	in.	mm	– in.	mm			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

Style	B		C		D		F		L		P (max pin dia.)		R		W	
	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	1 1/16	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	1 3/16	21	1 1/64	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	1 3/16	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:

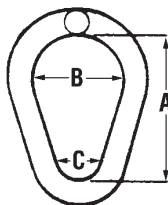
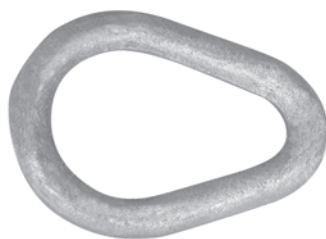
Wear and/or Distortion
Extreme Heat
Weld Spatter

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

Working Load Limits (lb and kg) - Links

Size		Carbon WLL		Alloy WLL	
		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	
in.	mm	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	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		A		Dimensions		C		Weight	
Cat.	UPC No.	Load Limit						B				Each	
No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3/8	10	3626115	069826	2600	1180	2 1/4	57	1 1/2	38	3/4	19	.3	.14
1/2	13	3626215	069833	4000	1814	3	76	2	51	1	25	.6	.27
5/8	16	3626315	069840	5800	2631	3 3/4	95	2 1/2	64	1 1/4	32	1.1	.50
3/4	19	3626415	069857	8200	3720	4 1/2	114	3	76	1 1/2	38	1.9	.86

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.

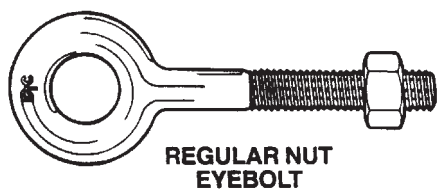


WARNING

- 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.

Eyebolts, 436-G Regular Nut

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



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.

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.

Fittings

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 Diameter		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 RECOM-MENDED	
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)



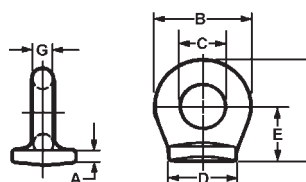
436-G
Regular Nut



Shank Dimensions				Regular		Working Load Limit		Dimensions				Thread Length		Weight/100	
Dia.	Length	Cat.	UPC No.	No.	020418	lb	kg	A		B		Thread Length		lb	kg
in.	mm	in.	mm					in.	mm	in.	mm	in.	mm		
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		Cat. No.	UPC No. 020418	Dimensions												Weight/100	
in.	mm			A		B		C		D		E		F		G	
in.	mm			in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
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
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
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
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	1 1/16	17



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.



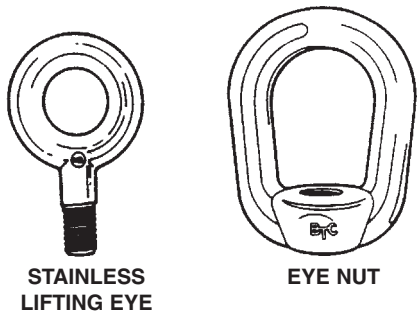
WARNING

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.



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 RECOMMENDED
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 RECOMMENDED
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.

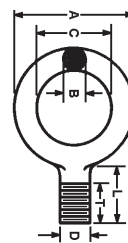
⚠ WARNING

- 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		Weight Each	
			lb	kg	lb	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

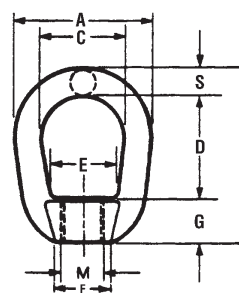


Size No.	D		L		A		C		B		T	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
5	1½	13	¾	19	2	50	1	25	½	13	⅝	16
6	⅝	16	1	25	2½	64	1¼	32	⅝	16	¾	19
7	¾	19	1	25	2⅜	71	1½	38	2⅜	17	⅞	22
9	1	25	1⅞	37	3⅞	90	1⅜	46	⅞	22	1⅞	27

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		Tap Size M UNC-2B		Weight/ 100	
			lb	kg	in.	mm	lb	kg
1A	7100102	100413	850	386	⅝	8	8	4
2	7100103	100420	1250	567	¾	10	13	6
3	7100104	100437	1650	748	⅞	11	25	11
3A	7100105	100444	2250	1021	1½	13	25	11
4	7100106	100451	3600	1633	⅝	16	55	25
5	7100107	100468	5200	2359	¾	19	113	51
6	7100108	100475	7200	3266	⅞	22	153	69
7	7100109	100482	10000	4536	1	25	275	125
8	7100111	100505	15200	6895	1¼	32	363	165
10	7100112	100512	21400	9707	1½	38	656	298



Size No.	A		C		D		E		F		G		S		T	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
1A	1¼	32	¾	19	1⅞	27	19/32	15	½	13	11/32	9	¼	6	121/32	42
2	1⅝	41	1	25	17/64	32	¾	19	9/16	14	15/32	12	5/16	8	23/64	52
3	2	51	1¼	32	1½	38	1	25	13/16	21	19/32	15	3/8	10	215/32	63
3A	2	51	1¼	32	1½	38	1	25	13/16	21	19/32	15	3/8	10	215/32	63
4	2½	64	1½	38	21/32	51	13/16	30	1	25	¾	19	½	13	39/32	83
5	3	76	1¾	44	27/16	62	17/16	36	1¼	32	7/8	22	5/8	16	315/16	100
6	3½	89	2	51	29/16	65	1⅝	41	1⅜	35	1	25	¾	19	45/16	110
7	4	100	2¼	56	31/16	75	115/16	48	1⅝	41	1¼	32	7/8	22	53/16	130
8	4½	114	2½	64	3½	89	21/8	54	113/16	46	15/16	33	1	25	513/16	148
10	5⅝	143	3⅞	79	41/16	103	2½	64	2¼	57	1½	38	1¼	32	613/16	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

Fittings

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.

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) — Turnbuckles

Turnbuckle Size Inches	Carbon Eye & Eye Jaw & Eye Jaw & Jaw		Stainless Eye & Eye Jaw & Eye Jaw & Jaw		Carbon Hook & Hook Hook & Eye	
	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

- 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

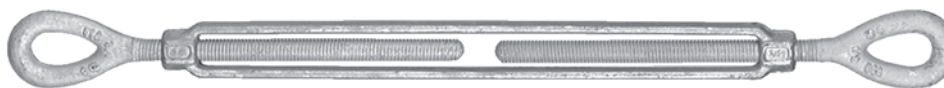


- Standard Material: Drop-forged carbon steel
- Standard Finish: Galvanized to ASTM A-153 specification
- Design Factor: 5 to 1
- Other Features: Meets design requirements of ASTM F1145, Type 1, Grade 1, Class F

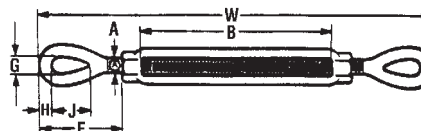


Cat. No.	UPC No. 020418	Working Load Limit		A (Thread Dia.)		Dimensions B (Take Up)		(Closed Position) W (Length)		Weight/100	
		lb	kg	in.	mm	in.	mm	in.	mm	lb	kg
6250101	086564	400	181	1/4	6	4	102	7 13/16	198	29	13
6250102	086571	700	318	5/16	8	4 1/2	114	9 3/8	238	47	21
6250103	086588	1000	454	3/8	10	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		(Dia.) A		(Take Up) B		(Closed Position) W (Length)		Dimensions E		G		H		J		Weight/100 lb	
		lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
6250302	087059	800	363	5/16	8	4 1/2	114	9 7/16	240	2	51	15 3/32	12	9 3/32	7	15 1/16	24	45	20
6250303	087066	1200	544	3/8	10	6	152	11 13/16	300	2 11/32	60	9 1/16	14	11 1/32	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 3/4	19	7 1/16	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 3/4	19	7 1/16	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 3/4	19	7 1/16	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 3/32	23	1 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 3/32	23	1 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 3/32	23	1 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 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 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 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 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 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.

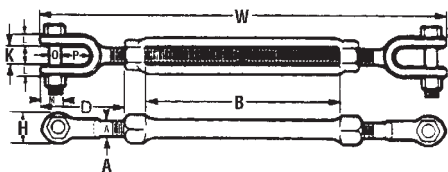


WARNING

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

Fittings

Cat. No.	UPC No. 020418	Working Load Limit		Thread Dia. (A)		Dimensions Take Up (B)		(Closed Position) Length		Weight/ 100	
		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.	D		H		K		Dimensions L		M		Q		P	
	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	in.	mm
6250501	1 ¹⁹ / ₃₂	40	5/ ₈	16	1 ¹³ / ₃₂	10	3/ ₁₆	5	1 ¹⁵ / ₃₂	12	1/ ₄	6	3/ ₄	16
6250502	1 ¹⁵ / ₁₆	49	1 ¹¹ / ₁₆	17	1 ¹ / ₂	13	3/ ₁₆	5	1 ¹ / ₂	13	1/ ₄	6	3/ ₄	19
6250503	2 ¹ / ₃₂	52	7/ ₈	22	1 ¹ / ₂	13	1/ ₄	6	9/ ₁₆	14	5/ ₁₆	8	1 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	1 ¹⁵ / ₁₆	24	1 ¹ / ₂	13	1 ³ / ₈	35
6250511	3 ³ / ₈	86	1 ³ / ₈	35	3/ ₄	19	7/ ₁₆	11	1 ¹⁵ / ₁₆	24	1 ¹ / ₂	13	1 ³ / ₈	35
6250513	3 ³ / ₄	95	1 ¹³ / ₁₆	46	1 ¹⁵ / ₁₆	24	1 ¹⁵ / ₃₂	12	1 ³ / ₁₆	30	5/ ₈	16	1 ¹ / ₂	38
6250514	3 ³ / ₄	95	1 ¹³ / ₁₆	46	1 ¹⁵ / ₁₆	24	1 ¹⁵ / ₃₂	12	1 ³ / ₁₆	30	5/ ₈	16	1 ¹ / ₂	38
6250515	3 ³ / ₄	95	1 ¹³ / ₁₆	46	1 ¹⁵ / ₁₆	24	1 ¹⁵ / ₃₂	12	1 ³ / ₁₆	30	5/ ₈	16	1 ¹ / ₂	38
6250516	3 ³ / ₄	95	1 ¹³ / ₁₆	46	1 ¹⁵ / ₁₆	24	1 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	1 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	1 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

**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.

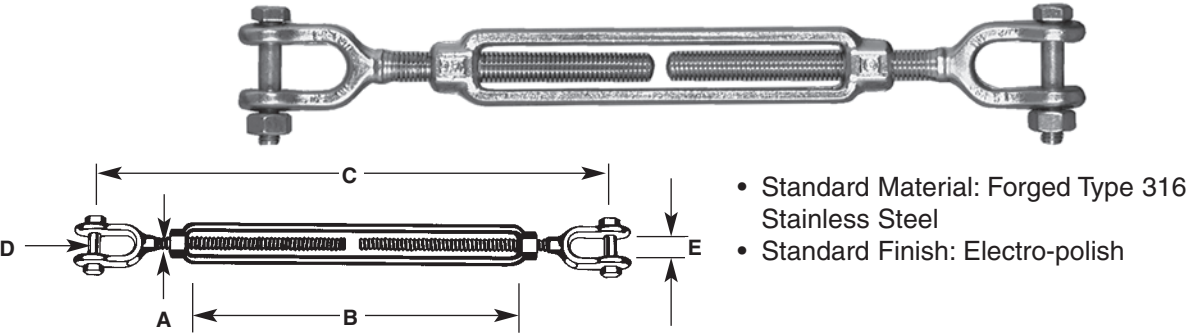
**WARNING**

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.

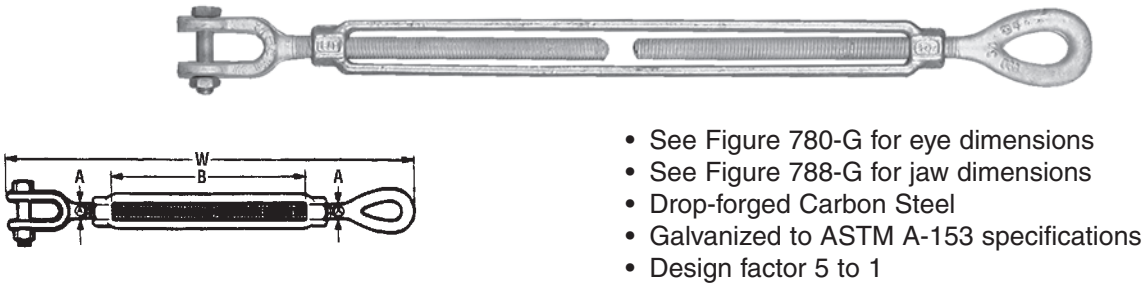
Jaw & Jaw Turnbuckles, M-16-ST

Drop-forged Type316 Stainless Steel



Cat. No.	UPC No. 020418	Dimensions (Closed Position)										Working Load			
		Size (A)		Take Up (B)		Length (C)		Pin Dia. (D)		Jaw Opening (E)		Weight Each		Limit	
		in.	mm	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg	lb	kg
6401203	093456	3⁄8	10	6	152	10¾	273	5⁄16	8	9⁄16	14	¾	0.3	1200	545
6401204	093463	1⁄2	13	6	152	12	305	3⁄8	9	5⁄8	16	1½	0.7	2200	999
6401210	093487	¾	19	6	152	15½	394	5⁄8	16	1	25	5	2.2	5200	2361

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



Cat. No.	UPC No. 020418	Working Load Limit		Thread Dia. (A)		Dimensions Take Up (B)		(Closed Position) Length (W)		Weight/ 100	
		lb	kg	in.	mm	in.	mm	in.	mm	lb	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

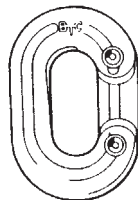
To prevent the possibility of serious bodily injury:

- DO NOT EXCEED the working load limit.
- DO NOT shock or impact load.
- DO NOT USE if the fitting is visibly distorted or worn.

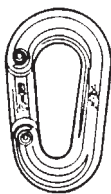
Connecting Links

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.

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.

IMPORTANT: Instructions For Use

1. Make sure the connecting link used is the same size as the components being joined, e.g., a $\frac{3}{8}$ in. connecting link is used with $\frac{3}{8}$ 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.

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
$\frac{1}{4}$	6	1400	636	*		*	
$\frac{5}{16}$	8	2000	908	3000	1362	*	
$\frac{3}{8}$	10	2800	1271	4200	1907	1850	840
$\frac{1}{2}$	13	4750	2157	7000	3178	3300	1498
$\frac{5}{8}$	16	7250	3292	10800	4903	5000	2270
$\frac{3}{4}$	19	10250	4654	15000	6810	7100	3223
$\frac{7}{8}$	22	--	--	--	--	9600	4358
1	25	15500	7037	--	--	*	

* Item not manufactured.

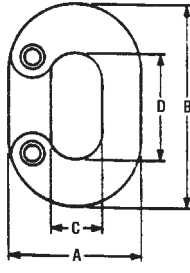
ADVERTENCIA

- 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 closurepeen 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

		Self Colored		Galvanized		Working		Dimensions								Links	Weight/	
Size		Cat.	UPC No.	Cat.	UPC No.	Load Limit		A		B		C		D		Per	100	
in.	mm	No.	020418	No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	Box	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 Cat.	UPC No.	Working Load Limit		Dimensions								Links Per	Weight/ 100	
in.	mm	No.	020418	lb	kg	A		B		C		D		Box	lb	kg
						in.	mm	in.	mm	in.	mm	in.	mm			
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.



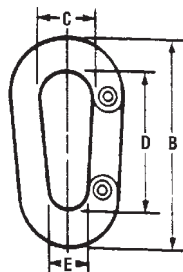
WARNING

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		Galvanized		Load Limit		Dimensions				Weight/				100	
		Cat.	UPC No.			B		C		D		E			
in.	mm	No.	020418	lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3⁄8	10	5205634	074912	1850	839	2 ¹⁵ ⁄ ₁₆	75	1 ³ ⁄ 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	1 ¹ ⁄ ₁₆	17	45	20
5⁄8	16	5206035	074950	5000	2268	4 ¹ ⁄ ₄	108	1 ¹ ⁄ ₈	29	2 ³ ⁄ ₄	70	1 ³ ⁄ 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		Galvanized	UPC No. 020418	Working Load Limit		B		Dimensions				E		Weight/ 100	
in.	mm	Cat. No.		lb	kg	in.	mm	in.	mm	in.	mm	in.	mm	lb	kg
3⁄8	10	5203635	074899	3000	1361	2 15⁄16	75	1 3⁄16	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	1 1⁄16	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

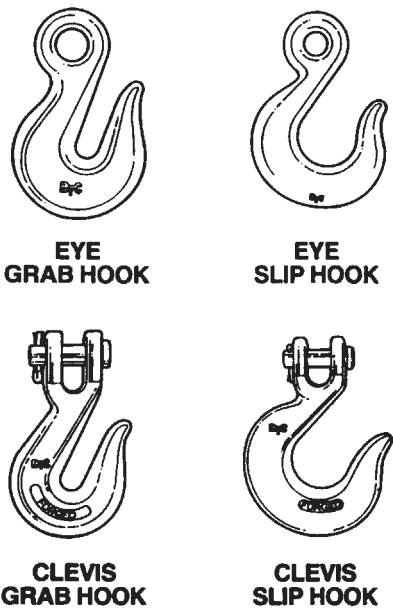
To prevent the possibility of serious bodily injury:

- **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.



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.
- 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.
- Always stand clear of loads being lifted.

Working Load Limits (lb and kg) — Hooks

System 4 Heat Treated					Alloy			
Size		Eye & Clevis Grab, Clevis Slip WLL			Eye & Clevis Grab WLL		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)

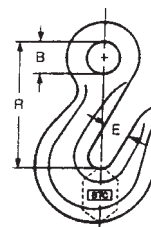
- Forged steel
- Grade 43
- Zinc plated
- UPC tagged



Size		Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Wgt.		Working Load Limit	
in.	mm								lb	kg	lb	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"



Fittings

477-A, Alloy Steel - Heat Treated

Chain Size	Alloy, Self-colored (Bulk)	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions						Weight Each	
						lb	kg	B	E	R				lb	kg
in.	mm	No.						in.	mm	in.	mm	in.	mm		
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	2 1/32	17	3 3/8	86	1.73	.79

Eye Slip Hooks, Grade 43, (Import)

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



Size		Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Wgt.		Working Load Limit	
in.	mm								lb	kg	lb	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.

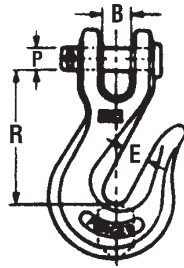


WARNING

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 in. mm	Self-colored (Bulk)		Blu-Krome (10/Box)		Working Load Limit		Dimensions								Weight Each	
	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	lb	kg	B in.	B mm	E in.	E mm	P in.	P mm	R in.	R mm	lb	kg
1/4 6	4500405	073885	4500424	073892	2600	1179	3/8	10	1 1/32	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		Dimensions								Weight	
	Cat.	UPC No.	Cat.	UPC No.	Cat.	UPC No.	Load Limit	B	E	P	R	Each							
in. mm	No.	020418	No.	020418	No.	020418	lb kg	in. mm	in. mm	in. mm	in. mm	lb kg							
* 1/4 6	4503315	074103	--	--	--	--	4100 1860	3/8 10	1 1/32 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 .042							
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 in. mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Wgt.		Working Load Limit	
								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

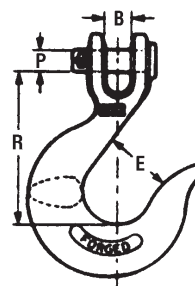


Clevis Slip Hook

Size in.	mm	Description	Finish	Hook Style	Cat. No.	UPC No. 020418	Shelf Pack	Case Pack	Case Wgt.		Working Load Limit	
									lb	kg	lb	kg
1/4	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		
3/8	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		
1/2	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		

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.	Alloy, Orange (Bulk) Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Cat. No.	UPC No. 020418	Working Load Limit		Dimensions								Weight Each	
							lb	kg	B in.	B mm	E in.	E mm	P in.	P mm	R in.	R mm	lb	kg
* 1/4	6	4403315	073816	--	--	--	4100	1860	3/8	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	3/8	10	3	76	1.00	0.45
* 3/8	10	4403515	073830	--	--	--	7100	3221	1/2	13	1 1/4	32	7/16	11	3 13/32	87	1.40	0.64
7/16	11	4403615	073847	--	--	--	10000	4536	9/16	13	1 1/2	38	1/2	13	3 5/8	92	2.00	0.91
1/2	13	4403715	073854	--	--	--	13000	5897	5/8	16	1 3/4	44	9/16	13	4 3/32	104	3.10	1.41
5/8	16	4403815	073861	--	--	--	20300	9208	3/4	19	2	51	3/4	19	4 13/16	122	5.20	2.36

* Hooks have drilled hole for latch kit. See page ??? 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.

Cat. No.	Page	Cat. No.	Page	Cat. No.	Page	Cat. No.	Page
3625115.....	106	3924915.....	96	4500424.....	122	5410805.....	88
3625135.....	106	3925115.....	96	4500505.....	122	5410835.....	89
3625215.....	106	3925215.....	96	4500524.....	122	5410895.....	89
3625235.....	106	3925415.....	96	4500605.....	122	5411005.....	88
3625315.....	106	3940205.....	93	4500624.....	122	5411035.....	89
3625335.....	106	3940405.....	93	4500805.....	122	5411205.....	88
3625415.....	106	3940505.....	93	4501005.....	122	5411235.....	89
3625435.....	106	3940705.....	93	4503315.....	122	5411295.....	89
3625515.....	106	3940905.....	93	4503415.....	122	5411405.....	88
3625535.....	106	3941105.....	93	4503515.....	122	5411435.....	89
3625615.....	106	3941205.....	93	4503615.....	122	5411605.....	88
3625635.....	106	3942205.....	94	4503715.....	122	5411635.....	89
3626115.....	107	3942235.....	94	4503815.....	122	5411695.....	89
3626215.....	107	3942305.....	94	4503915.....	122	5411805.....	88
3626315.....	107	3942335.....	94	4530734.....	97	5411835.....	89
3626415.....	107	3942405.....	94	4530735.....	97	5412005.....	88
3630435.....	100	3942435.....	94	4530935.....	97	5412035.....	89
3630535.....	100	3942505.....	94	5200404.....	118	5412095.....	89
3630635.....	100	3942535.....	94	5200434.....	118	5412205.....	88
3630835.....	100	3942705.....	94	5200504.....	118	5412235.....	89
3631035.....	100	3942735.....	94	5200534.....	118	5412405.....	88
3631235.....	100	3942905.....	94	5200604.....	118	5412435.....	89
3631435.....	100	3942935.....	94	5200634.....	118	5412805.....	88
3631635.....	100	3943205.....	94	5200804.....	118	5412835.....	89
3632035.....	100	3950215.....	93	5200834.....	118	5413205.....	88
3640435.....	101	3950415.....	93	5201004.....	118	5413235.....	89
3640535.....	101	3950515.....	93	5201034.....	118	5414005.....	88
3640635.....	101	3950715.....	93	5201234.....	118	5414035.....	89
3640835.....	101	3951115.....	93	5203635.....	119	5420505.....	91
3641035.....	101	3951215.....	93	5203835.....	119	5420605.....	91
3641235.....	101	3952215.....	94	5205634.....	119	5420705.....	91
3641435.....	101	3952315.....	94	5205834.....	119	5420805.....	91
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