

LANDMANN

WIRE ROPE PRODUCTS



industrial

mining

fishing

logging

marine

construction

automotive



CINCH R



carbon steel
stainless steel
alloy steel





ABOUT US

LANDMANN Wire Rope Products, Inc. is a wholesale distributor of steel wire rope, rigging hardware, chain, cargo control and fastening materials. We are an international division of Gebruder Thiele of Bremen, Germany. Our heritage is embedded in Gebruder Thiele's rich history of 155 years of superlative service to its clients here and abroad. Gebruder Thiele's experiences in international sourcing helped establish our wire rope and rigging hardware business in 1983. Today, in cooperation with GT International, we have established ourselves as a market leader on the West Coast of North America with outlets in Southern California, Northern California, the Pacific Northwest and Omaha Nebraska. And with their assistance, we have expanded this product line to include many other products. Our people bring a total of over 80 years of accumulated experience in the rigging industry to provide superlative customer service.

Our product line is basically made up of 5 main categories, Wire Rope, Chain Products, Cargo Control, Rigging Hardware and Fastening Materials which we import primarily from South Korea, China, Mexico, Japan and Thailand. Within the wire rope category, we carry diameters from 3/64" to 2-1/2" in galvanized, plain and stainless steel finishes in a wide array of constructions. In the rigging hardware category, we have expanded our product line dramatically in the last few years to include a wide variety of stainless steel hardware and fastening materials to go along with our regular product line. This diverse product line allows us to supply our customers who service a wide range of industries including, logging, fishing, mining, industrial, construction and architectural to name a few. This diversification of rigging hardware as well as the range of wire rope, cable and chain products allows us to better serve you, the customer as a one stop shop for all your wire rope and rigging needs.

Our three warehouse locations along the West Coast, USA are in Los Angeles California, Benicia California and Fife Washington. We are proud to announce the addition of our new distribution center near Omaha, Nebraska. This allows us to serve our customers better by shipping most orders the same day for quick deliveries. We also specialize in direct mill shipments that come from the factory directly to you whether our customers are located on the East Coast USA, or in Europe.

One final note about Landmann Wire Rope Products. We realize the importance of being different than our competitors. We strive to make your experience with Landmann one where you feel that we are a part of your success and that you can count on Landmann to fulfill your needs, whether they are big or small. Customized and professional client service is a mainstay at Landmann.

Rick Colvin
President



Purchasing and Payment Terms and Conditions

1) Landmann Wire Rope Products, Inc. (herein referred to as SELLER) provides quotations and accepts orders for any and all products solely on the following Terms & Conditions, which shall be construed as accepted by BUYER on each quotation and/or order placed. Non-adherence by Buyer of any portion of these Terms & Conditions can result in a delay or cancellation of existing orders and/or termination of BUYER/SELLER relationship, without any consequence whatsoever to the SELLER. Terms & Conditions of SELLER shall prevail when in conflict over those of BUYER, regardless of BUYER'S latest operative document.

2) SELLER warrants products it supplies solely against defects in workmanship and conformance to mutually agreed-to specifications. All orders accepted are construed by SELLER as material purchase orders and not contracts, and therefore, in no event will SELLER be liable for indirect, incidental, special or consequential damages, including but not limited to delivery or any other type of delays. All orders are accepted, including material due dates, on a "best efforts" basis only. Warranties or certifications made to SELLER on material and products it resells to BUYER are passed on to BUYER "as is", with no additional warranty or guarantee by SELLER. SELLER guarantees neither the usability nor effectiveness of any product in application. Any product which has been altered at the BUYER'S request by any type of plating or coating is not warranted by SELLER with regard to affects of such alterations, including male/female – bolt/nut fit. BUYER'S sole remedy and recourse in the event of mutually agreed-to defective parts shall be their return to SELLER for credit on account or their replacement on a normal turn-around basis. All discrepancies must be reported within five (5) days of BUYER'S receipt, and prior to use in application. No orders may be returned or cancelled without SELLER'S prior written consent. Restocking charges may apply.

3) There is a late charge of 1.5% per month on all past- due accounts. SELLER'S standard terms are NET 30 days from invoice date, regardless of when invoice/statement is received. BUYER agrees that all collection costs, including SELLER'S Receivables' Insurance collection costs, and all court costs, investigation costs, legal fees and all other incidental costs incurred in the collection of the BUYER'S past-due account will be paid by BUYER.

4) SELLER'S materials/products used in construction on real property shall entitle SELLER full lien/bond rights as a Materialman, regardless of delivery or pick-up point BUYER requests. And materials/products purchased by BUYER for such construction projects shall be construed as specific and unique to that property, and accepted by all parties to the project as such.

Any clarification required should be directed immediately to the management of LANDMANN WIRE ROPE PRODUCTS, INC. Call (650) 777-4210 or Fax (650) 777-4215





READ ALL WARNINGS BEFORE USING THIS CATALOG! Failure to follow warnings and instructions may result in serious injury or death. Anyone using this publication must read and understand all warnings and other information contained within. The following applies to all products in this catalog.

LANDMANN WIRE ROPE PRODUCTS, INC. assumes no responsibility for the use or misapplication of any product sold by this firm. Responsibility for design and use decisions rests with the user. All products are sold with the express understanding that the purchaser is thoroughly familiar with the correct application and safe use of same. **USE ALL PRODUCTS PROPERLY, IN A SAFE MANNER AND FOR THE APPLICATION WHICH THEY ARE INTENDED.**

WORKING LOAD LIMIT: This is the term used throughout the catalog. There are, however, other terms used in the industry which are interchangeable with the term **WORKING LOAD LIMIT**. These are **WLL, SWL, SAFE WORKING LOAD, RATED LOAD VALUE, RESULTING SAFE WORKING LOAD, and RATED CAPACITY.**

NEVER EXCEED THE WORKING LOAD LIMIT The Working Load limit is the maximum load which should ever be applied to a product, even when the product is new and when the load is uniformly applied in a straight line pull only. **AVOID SIDE LOADING.** All catalog ratings are based upon usual environmental conditions, and consideration must be given to unusual conditions such as extreme high or low temperatures, chemical solutions or vapors, prolonged immersion in salt water, etc. Such conditions or high risk applications may necessitate reducing the Working Load limit. **WORKING LOAD LIMIT WILL NOT APPLY IF PRODUCT HAS BEEN WELDED OR OTHERWISE MODIFIED.** It should also be noted that it is the responsibility of the ultimate user to determine a Working Load limit for each application.

MATCHING OF COMPONENTS Components must match. Make certain that components such as hooks, links, or shackles, etc. used with wire rope (or chain or cordage) are of suitable material size and strength to provide adequate safety protection. Attachments must be properly installed and must have a Working Load Limit at least equal to the product with which they are used. Remember, chain is only as strong as its weakest link.

RAISED LOADS KEEP OUT FROM UNDER A RAISED LOAD. Take notice of the recommendation from the National Safety Council Accident Prevention Manual concerning all lifting operations. All employees working at cranes or hoists or assisting in hooking or arranging a load should be instructed to keep out from under the load. From a safety standpoint, one factor is paramount to know: conduct all lifting operations in such a manner that if there were an equipment failure, no personnel would be injured. This means keep out from under a raised load and keep out of the line of force of any load. **“DO NOT OPERATE A LOAD OVER PEOPLE. DO NOT RIDE ON LOADS**

SHOCK LOADS Avoid impacting, jerking or swinging of load as the Working Load limit could be exceeded and the Working Load limit will not apply. A shock load is generally significantly greater than a static load. **AVOID SHOCK LOADS.**

INSPECT PRODUCTS REGULARLY No product can keep operating at its rated capacity indefinitely. Period inspections help determine when to replace a product and reduce rigging hazards. Check for visible damage, cracks, wear, elongation, rust, etc. When in doubt about the extent of the damage, retire the item in question immediately.

REMEMBER: ANY PRODUCT WILL BREAK IF ABUSED, MISUSED, OVERUSED OR NOT MAINTAINED PROPERLY. Such breaks can cause loads to fall or swing out of control, possibly resulting in serious injury or death as well as major property damage.

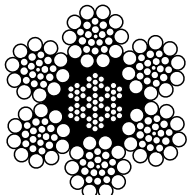
1. **INSPECT PRODUCTS REGULARLY**
2. **MATCH COMPONENTS PROPERLY**
3. **KEEP OUT FROM UNDER A RAISED LOAD**
4. **AVOID SHOCK LOADS**
5. **NEVER EXCEED THE WORKING LOAD LIMIT**



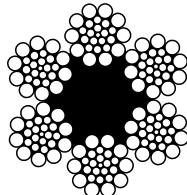
Page

6	General Purpose Wire Rope - 6X19 / 6X37 Class
7	Specialty Wire Rope - Non-Rotating, Rotation Resistant, Cablelaid
8	Specialty Wire Rope - Swaged, Impact Swaged, Compacted
9	Specialty Wire Rope - Sand Line, Drill Line, Trawl Cable, Mooring Line
10	Galvanized Cable - Bare & PVC Coated Cable
11	Galvanized Strand - 1X3, 1X7, 1X19
12	Wire Rope Clips - Drop Forged, Malleable
13	Wire Rope Thimbles - Standard, Heavy Duty
14	Anchor Shackles - Screw Pin, Bolt Type
15	Chain Shackles - Screw Pin, Bolt Type
16	Turnbuckles - Eye & Eye
17	Turnbuckles - Jaw & Eye
18	Turnbuckles - Jaw & Jaw
19	Turnbuckles - Hook & Hook, Stub End
20	Turnbuckles Bodies, Clevis Blanks, Alloy Coupling Links
21	Weldless Links - Master Links, Pear Links, Round Rings
22	Hoist Hooks - Eye Hoist, Swivel Hoist, Sorting Hooks
23	Chain Hooks - Clevis Grab, Eye Grab, Clevis Slip, Eye Slip
24	Eye Bolts - Shoulder Nut, Machinery Lifting Eyes
25	Eye Bolts - Regular Nut Eye Nuts
26	Swivels - Eye & Eye, Jaw & Eye
27	Snatch Blocks - Drop Side, Yarding
28	Chain Links
29	Anchor Chain - Stud Link
30	Welded Chain - Proof Coil, High Test
31	Welded Chain - Transport, Alloy, Stainless Steel
32	Load Binders - Lever, Ratchet, Indirect Type, Snubbing
33	Binder Chains - Grade 70, Grade 43
34	Cargo Control - Truck Winches, Winch Straps, Ratchet Assemblies, Winch Bars
35	Stainless Steel Cable, Strand, Wire Rope
36	Stainless Steel Wire Rope Clips & Thimbles
37	Stainless Steel Shackles - Screw Pin Anchor, Screw Pin Chain, Bolt Type Anchor
38	Stainless Steel Swivels - Eye & Eye, Jaw & Eye, Jaw & Jaw
39	Stainless Steel Turnbuckles - Hex Body Type, Eye & Eye, Jaw & Eye, Jaw & Jaw
40	Stainless Steel Turnbuckles - Marine Type, Eye & Eye, Jaw & Eye, Jaw & Jaw
41	Stainless Steel Eye Bolts, Eye Nuts
42	Stainless Steel Quick Links, Spring Snap Links, Chain
43	Cutters & Swagers
44	Cutters & Swagers
45	Swage Sleeves - Aluminum, Copper, Zinc Plated Copper
46	Steel Swage Sleeves - Carbon Flemish, SS Duplex
47	Notes

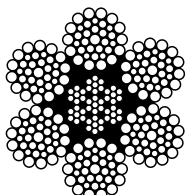
All wire rope is manufactured
in accordance with U.S. Federal
Specification RR-W-410E



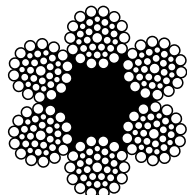
6 X 26WS IWRC



6 X 26WS FC



6 X 36WS IWRC

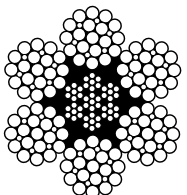


6 X 36WS FC

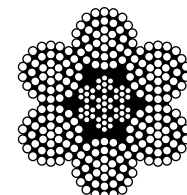
**Larger Diameters
Available !**

Drawn Galvanized Wire Rope Available:

Drawn Galvanized Wire Rope is
equal in strength to the same size
and type of Bright wire rope.



6 X 25 IWRC



6 X 37 IWRC

IPS - Improved Plow Steel

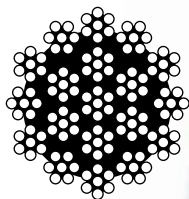
EIPS - Extra Improved Plow Steel

6X19/37 Class Bright Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			I. P. S.		E. I. P. S.	
	FC	IWRC	FC	IWRC	FC	IWRC
1/4	0.015	0.116	5,480	5,880	6,040	6,880
5/16	0.164	0.18	8,520	9,160	9,380	10,540
3/8	0.236	0.26	12,200	13,120	13,420	15,100
7/16	0.32	0.35	16,540	17,780	18,180	20,400
1/2	0.42	0.46	21,400	23,000	23,600	26,600
9/16	0.53	0.59	27,000	29,000	29,800	33,600
5/8	0.66	0.72	33,400	35,800	36,600	41,200
3/4	0.95	1.04	47,600	51,200	52,400	58,800
7/8	1.29	1.42	64,400	69,200	70,800	79,600
1	1.68	1.85	83,600	89,800	92,000	103,400
1-1/8	2.13	2.34	105,200	113,000	115,800	130,000
1-1/4	2.63	2.89	129,200	138,800	142,000	159,800
1-3/8	3.18	3.50	155,400	167,000	170,800	192,000
1-1/2	3.78	4.16	184,000	197,800	202,000	228,000
1-5/8	4.44	4.88	214,000	230,000	236,000	264,000
1-3/4	5.15	5.67	248,000	266,000	272,000	306,000
1-7/8	5.91	6.50	282,000	304,000	310,000	348,000
2	6.72	7.39	320,000	344,000	352,000	396,000

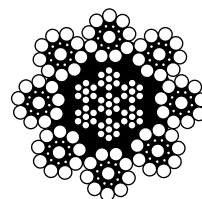
6X19/37 Class Galvanized Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			I. P. S.		E. I. P. S.	
	FC	IWRC	FC	IWRC	FC	IWRC
1/4	0.015	0.116	4,940	5,300	5,430	6,120
5/16	0.164	0.18	7,660	8,240	8,440	9,480
3/8	0.236	0.26	10,980	11,800	12,090	13,600
7/16	0.32	0.35	14,880	16,000	16,380	18,360
1/2	0.42	0.46	19,260	20,700	21,240	24,000
9/16	0.53	0.59	24,300	26,100	26,820	30,200
5/8	0.66	0.72	30,000	32,200	32,940	37,000
3/4	0.95	1.04	42,800	46,000	47,160	53,000
7/8	1.29	1.42	58,000	62,200	63,720	71,600
1	1.68	1.85	75,200	80,800	82,800	93,000
1-1/8	2.13	2.34	94,600	101,800	104,040	117,000
1-1/4	2.63	2.89	116,200	125,000	127,980	143,800
1-3/8	3.18	3.50	139,800	150,400	153,900	172,800
1-1/2	3.78	4.16	165,600	178,000	181,800	206,000
1-5/8	4.44	4.88	192,600	207,000	212,400	238,000
1-3/4	5.15	5.67	224,000	240,000	246,600	276,000
1-7/8	5.91	6.50	254,000	274,000	280,800	314,000
2	6.72	7.39	288,000	310,000	316,800	356,000



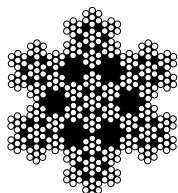
19X7 Non-Rotating

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)	
		I. P. S.	E. I. P. S.
3/8	0.18	11,520	13,260
7/16	0.26	15,600	17,940
1/2	0.45	19,700	21,600
9/16	0.58	24,800	27,200
5/8	0.71	30,600	33,600
3/4	1.02	43,600	48,000
7/8	1.39	59,000	65,000
1	1.82	76,600	84,400
1 1/8	2.30	96,400	106,200
1 1/4	2.84	118,400	130,200
1 3/8	3.43	142,600	156,800
1 1/2	4.08	168,800	185,600



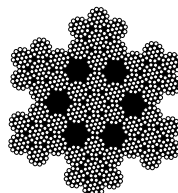
8X19 Rotation Resistant

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)	
		I. P. S.	E. I. P. S.
3/8	0.26	11,520	13,260
7/16	0.36	15,600	17,940
1/2	0.47	20,200	23,200
9/16	0.60	25,600	29,400
5/8	0.73	31,400	36,200
3/4	1.06	45,000	51,800
7/8	1.44	61,000	70,000
1	1.88	79,200	91,000
1 1/8	2.39	99,600	114,600
1 1/4	2.94	112,600	141,000
1 3/8	3.56	147,600	169,800
1 1/2	4.24	174,600	200,000



7X7X7 Galvanized Cablelaid

Size (in)	Approx. Weight (lbs/ft)	Nominal Breaking Load (lbs)		
		Grade A	Grade B	Grade C
5/16	0.135	6,490	7,080	7,670
3/8	0.195	9,350	10,200	11,100
7/16	0.273	12,900	14,100	15,200
1/2	0.346	16,400	17,900	19,400
9/16	0.446	21,100	23,000	24,900
5/8	0.558	26,500	28,900	31,300
3/4	0.786	37,300	40,700	44,100
7/8	1.093	51,800	56,500	61,200
1	1.405	66,600	72,600	78,700
1-1/8	1.781	84,200	91,900	99,500
1-1/4	2.230	105,600	115,200	124,800
1-5/16	2.517	119,000	129,800	140,600
1-3/8	2.668	126,300	137,800	149,300
1-7/16	2.882	133,600	145,700	157,900
1-1/2	3.145	148,800	162,300	175,900



7X7X19 Galvanized Cablelaid

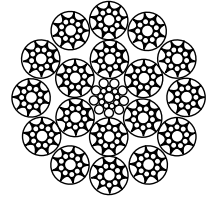
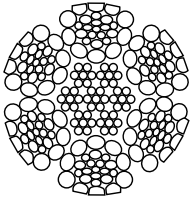
Size (in)	Approx Weight (lbs/ft)	Breaking Load (lbs)		
		Grade A	Grade B	Grade C
3/8	0.195	9,100	9,900	10,800
7/16	0.270	12,700	13,900	15,000
1/2	0.341	16,100	17,600	19,100
9/16	0.440	20,700	22,600	24,500
5/8	0.550	26,000	28,400	30,700
3/4	0.776	36,600	39,900	43,300
7/8	1.079	50,700	55,300	59,900
1	1.387	65,300	71,200	77,200
1-1/8	1.759	82,900	90,400	98,000
1-1/4	2.202	103,600	113,000	122,400
1-5/16	2.486	117,100	127,700	138,400
1-3/8	2.634	124,100	135,400	146,700
1-7/16	2.787	131,200	143,100	155,100
1-1/2	3.105	146,200	159,500	172,800
1-9/16	3.440	162,000	176,700	191,500



Specialty Wire Rope

“IMPACT” SWAGED offers you

- **Longer Service**
- **Greater Strength**
- **Greater Flexibility**
- **Improved Drum Spooling**
- **Resistance to Drum Crushing**
- **Resistance to Pig Tailing & Kinking**

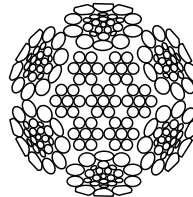


6X26 IWRC Impact Swaged

Size (in)	Approx Wt (lbs/ft)	Breaking Strength (lbs)	
		I.P.S.	E.I.P.S.
1/2	0.62	34,000	36,800
9/16	0.79	43,200	46,700
5/8	0.97	54,100	58,400
3/4	1.40	76,200	82,400
7/8	1.91	104,000	110,000
1	2.49	136,000	144,000
1+1/8	3.16	165,000	176,000
1+1/4	3.90	206,500	220,000
1+1/2	5.62	292,700	293,000

19X19 IWRC Compacted

Size (in)	Approx Wt (lbs/ft)	Breaking Strength (lbs)	
		I.P.S.	E.I.P.S.
1/2	0.510	27,550	29,760
9/16	0.647	34,800	37,500
5/8	0.809	43,600	47,000
11/16	0.968	52,100	56,200
3/4	1.14	61,400	66,300
7/8	1.56	83,700	90,800
1	2.04	109,400	118,000
1+1/8	2.59	138,761	150,000
1+1/4	3.24	173,700	186,000



6X19/37 IWRC Swaged

Size (in)	NORMAL TYPE			SUPER TYPE		
	Approx Weight (lbs/ft)	Breaking Load (lbs)		Approx Weight (lbs/ft)	Breaking Load (lbs)	
		I.P.S.	E.I.P.S.		I.P.S.	E.I.P.S.
3/8	0.330	16,100	18,500	0.350	17,700	20,400
7/16	0.420	21,100	24,300	0.460	23,100	26,600
1/2	0.550	27,700	31,800	0.610	30,300	34,800
9/16	0.710	34,800	40,000	0.780	38,100	43,800
5/8	0.870	42,600	49,000	0.965	47,000	54,000
11/16	1.05	51,300	59,000	1.16	74,800	65,000
3/4	1.25	60,900	70,000	1.38	67,000	77,000
7/8	1.70	82,600	95,000	1.87	90,400	104,000
1	2.22	107,000	123,000	2.44	115,700	133,000
1-1/8	2.81	133,000	153,000	3.09	138,300	159,000
1-1/4	3.47	161,700	186,000	3.82	169,600	195,000
1-3/8	4.20	193,000	222,000	4.62	203,500	234,000

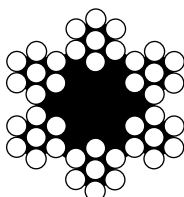
- **Higher Strength than Standard Ropes**
- **Greater Durability**
- **Longer Service**
- **Resistant to Drum Crushing**



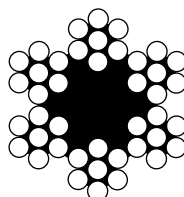
6X7 Sand Line

Bright, Fiber Core

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)
1/4	0.094	5,280
5/16	0.15	8,200
3/8	0.21	11,720
7/16	0.29	15,860
1/2	0.38	20,600
9/16	0.48	26,000
5/8	0.59	31,800
3/4	0.84	45,400
7/8	1.15	61,400



6 X 7 FC



6 X 7 FC

6X7 Trawl Cable

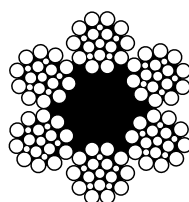
Galvanized, Heavy Lube, Fiber Core

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)
1/4	0.094	4,760
5/16	0.15	7,380
3/8	0.21	10,540
7/16	0.29	14,280
1/2	0.38	18,540
9/16	0.48	23,400
5/8	0.59	28,600
3/4	0.84	40,800
7/8	1.15	55,200

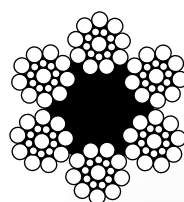
6X21 Drill Line

Bright, Heavy Lube, Fiber Core

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)
3/8	0.236	12,200
7/16	0.32	16,540
1/2	0.42	21,400
9/16	0.53	27,000
5/8	0.66	33,400
3/4	0.95	47,600
7/8	1.29	64,400
1"	1.68	83,600
1-1/8	2.13	105,200



6 X 21 FC



6 X 19S FC

6X19S Trawl Cable

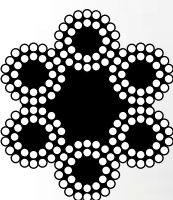
Galvanized, Heavy Lube, Fiber Core

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)
1/4	1.105	4,940
5/16	0.164	7,660
3/8	0.236	10,980
7/16	0.32	14,880
1/2	0.42	19,260
9/16	0.53	24,300
5/8	0.66	30,000
3/4	0.95	42,800
7/8	1.29	58,000

6X24 7HC Galvanized

Mooring Line

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)
3/8	0.194	9,450
1/2	0.35	16,800
5/8	0.54	26,000
3/4	0.78	37,200
13/16	0.91	43,600
7/8	1.06	50,400
1"	1.38	65,600
1-1/16	1.56	73,800
1-1/8	1.75	82,400

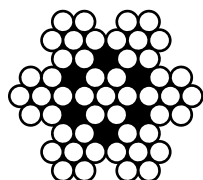


6 X 24 7HC

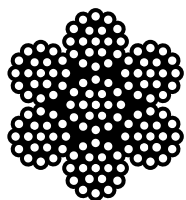


All cable is manufactured in accordance with
Federal Specification RR-W-410E

Galvanized Cable



7 X 7

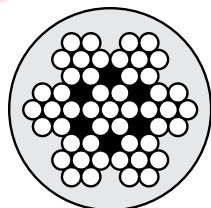


7 X 19

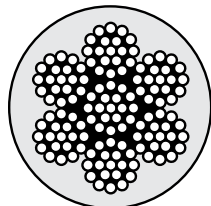
**Nylon Coating
Available !**

CONSTRUCTION	7 X 7		7 X 19	
Diameter (in.)	Breaking Strength (lbs)	Weight per 1000 ft (lbs)	Breaking Strength (lbs)	Weight per 1000ft (lbs)
1/16	480	7.5	-	-
3/32	920	16	1,050	16
1/8	1,700	28	2,000	29
5/32	2,600	43	2,800	45
3/16	3,700	62	4,200	65
7/32	-	-	5,600	86
1/4	6,100	105	7,000	110
5/16	-	-	9,800	173
3/8	-	-	14,400	243

PVC Coated Galvanized Cable



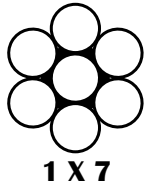
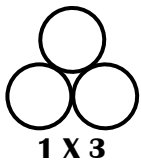
7 X 7



7 X 19

Cable Diameter (in)	Coating Diameter (in)	Cable Construction	Breaking Strength (lbs)	Weight per 1000 ft (lbs)
1/16	3/32	7 X 7	480	9
3/32	1/8	7 X 7	920	18
1/8	3/16	7 X 7	1,700	35
3/16	1/4	7 X 7	3,700	74
1/8	3/16	7 X 19	2,000	36
3/16	1/4	7 X 19	4,200	77
1/4	5/16	7 X 19	7,000	123
5/16	3/8	7 X 19	9,800	197
3/8	7/16	7 X 19	14,400	270

Galvanized Cable, normally referred to as “aircraft cable”, is not intended for aircraft use. It is not certified to MIL-W-83420 because our cable does not go through all the testing requirements, notably the cycle test that is required to be on the federal governments QPL. All other testing and certifications are valid. Mill test certificates are provided upon request.



Galvanized Steel Wire Strand Per ASTM A475-03

Nominal Diameter (in)	Construction	Nominal Diameter of Coated Wires in Strand (in)	Approx. Weight per 1000ft (lbs)	Minimum Breaking Load (lbs)				
				Utilities Grade	Common Grade	Siemens Martin Grade	High Strength Grade	Extra High Strength Grade
3/16	1 X 7	0.062	73	---	1,150	1,900	2,850	3,990
3/16	1 X 7	0.065	80	2,400	---	---	---	---
7/32	1 X 7	0.072	98	---	1,540	2,560	3,850	5,400
1/4	1 X 3	0.120	117	3,150	---	---	---	---
1/4	1 X 3	0.120	117	4,500	---	---	---	---
1/4	1 X 7	0.080	121	---	1,900	3,150	4,750	6,650
9/32	1 X 7	0.093	164	4,600	2,570	4,250	6,400	8,950
5/16	1 X 3	0.145	171	6,500	---	---	---	---
5/16	1 X 7	0.104	205	---	3,200	5,350	8,000	11,200
5/16	1 X 7	0.109	225	6,000	---	---	---	---
3/8	1 X 3	0.165	220	8,500	---	---	---	---
3/8	1 X 7	0.120	273	11,500	4,250	6,950	10,800	15,400
7/16	1 X 7	0.145	399	18,000	5,700	9,350	14,500	20,800
1/2	1 X 7	0.165	517	25,000	7,400	12,100	18,800	26,900
9/16	1 X 7	0.188	670	---	9,600	15,700	24,500	35,000
5/8	1 X 7	0.207	813	---	11,600	19,100	29,600	42,400
3/4	1 X 19	0.150	1,155	---	16,000	26,200	40,800	58,300

WARNING! WIRE ROPE CLIPS ARE NOT DESIGNED FOR LOAD CARRYING PURPOSES OR OVERHEAD LIFTING, THEREFORE WORKING LOAD LIMITS HAVE NOT BEEN ESTABLISHED

Drop Forged Wire Rope Clips Hot Dipped Galvanized



Meets Federal Spec
FF-C-450D
Type 1, Class 1

See These In Our
Stainless Steel
Section

ROPE SIZE in inches	MINIMUM No. of Clips	* Torque Ft. Lbs.	Length of Turn Back in Inches	Approx Wt per 100 pcs
1/8	2	4.5	3-1/4	6
3/16	2	7.5	3-3/4	10
1/4	2	15	4-3/4	18
5/16	2	30	5-1/4	30
3/8	2	45	6-1/2	47
7/16	2	65	7	76
1/2	3	65	11-1/2	80
9/16	3	95	12	104
5/8	3	95	12	106
3/4	4	130	18	150
7/8	4	225	19	212
1"	5	225	26	260
1-1/8	6	225	34	290
1-1/4	7	360	44	430
1-3/8	7	360	44	460
1-1/2	8	360	54	540
1-5/8	8	430	58	700
1-3/4	8	590	61	925
2"	8	750	71	1,300
2-1/4	8	750	73	1,600
2-1/2	9	750	84	1,900

Malleable Wire Rope Clips Electro Galvanized



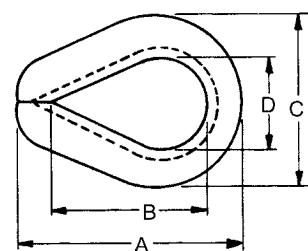
Meets Federal Spec
FF-C-450D
Type 1, Class 2

ROPE SIZE in inches	MINIMUM No. of Clips	* Torque Ft. Lbs.	Length of Turn Back in Inches	Approx Wt per 100 pcs
1/8	3	3	4-3/4	3.8
3/16	3	4.5	5-1/2	6.3
1/4	3	15	7	11.8
5/16	3	15	7-3/4	13
3/8	3	30	9-1/2	23
7/16	4	40	10-1/4	23
1/2	4	45	15-1/2	38
9/16	4	50	16	44
5/8	4	75	16	57
3/4	5	75	22-1/4	78
7/8	5	130	23-1/2	120
1"	6	130	31	150

WARNING! WIRE ROPE CLIPS ARE NOT DESIGNED FOR LOAD CARRYING PURPOSES OR OVERHEAD LIFTING, THEREFORE WORKING LOAD LIMITS HAVE NOT BEEN ESTABLISHED

Heavy Duty Thimbles Hot Dipped Galvanized

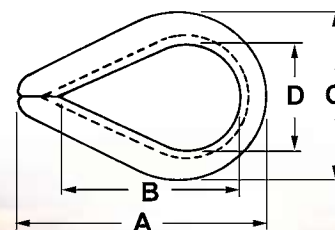
Rope Diameter	Weight per 100 pcs (lbs)	Dimensions			
		A	B	C	D
1/4	7	2.19	1.62	1.50	.88
5/16	12	2.50	1.88	1.81	1.06
3/8	22	2.88	2.12	2.12	1.12
7/16	35	3.25	2.38	2.38	1.25
1/2 - 9/16	51	3.62	2.75	2.75	1.50
5/8	76	4.25	3.25	3.12	1.75
3/4	158	5.00	3.75	3.81	2.00
7/8	177	5.50	4.25	4.25	2.25
1	313	6.12	4.50	4.75	2.50
1-1/8 - 1-1/4	400	7.00	5.12	5.88	2.88
1-1/4 - 1-3/8	811	9.08	6.50	6.81	3.50
1-3/8 - 1-1/2	1,294	9.00	6.25	7.12	3.50
1-5/8	1,700	11.25	8.00	8.12	4.00
1-3/4	1,775	12.19	9.00	8.50	4.50
1-7/8 - 2	2,775	15.12	12.00	10.38	6.00



Meets Federal Spec
FF-T-276b, Type III

Standard Thimbles Hot Dipped Galvanized

Rope Diameter (in)	Weight per 100 pcs (lbs)	Dimensions			
		A	B	C	D
1/8	2.00	1.94	1.31	1.06	.69
3/16	2.70	1.94	1.31	1.06	.69
1/4	3.50	1.94	1.31	1.06	.69
5/16	3.60	2.13	1.50	1.25	.81
3/8	5.80	2.38	1.63	1.47	.94
7/16	10.00	2.47	1.71	1.62	1.03
1/2	11.60	2.75	1.88	1.75	1.13
5/8	32.00	3.50	2.25	2.38	1.38
3/4	49.00	3.75	2.50	2.69	1.63
7/8	83.00	5.00	3.50	3.19	1.88
1	94.00	5.69	4.25	3.75	2.50
1-1/8 - 1-1/4	175.00	6.25	4.50	4.31	2.75



Meets Federal Spec
FF-T-276b, Type II

**See These In Our
Stainless Steel
Section**

Anchor Shackles

- Forged Carbon Steel Bodies
- Alloy Pins
- Heat Treated

Screw Pin Anchor Shackles Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d, Type IV A
Grade A, Class 2

See These In Our
Stainless Steel
Section

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Inside Width at bow (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
3/16	1/4	3/8	19/32	1/3	.05
1/4	5/16	1/2	3/4	1/2	.10
5/16	3/8	9/16	1	3/4	.19
3/8	7/16	11/16	1-1/8	1	.25
7/16	1/2	3/4	1-1/4	1-1/2	.50
1/2	5/8	13/16	1-5/16	2	.75
5/8	3/4	1-1/16	1-11/16	3-1/4	1.44
3/4	7/8	1-1/4	2	4-3/4	2.50
7/8	1	1-7/16	2-1/4	6-1/2	3.50
1	1-1/8	1-11/16	2-5/8	8-1/2	5.25
1-1/8	1-1/4	1-7/8	3	9-1/2	7.25
1-1/4	1-3/8	2	3-3/8	12	9.75
1-3/8	1-1/2	2-1/4	3-5/8	13-1/2	13.25
1-1/2	1-5/8	2-3/8	3-7/8	17	17.70
1-3/4	2	2-7/8	5	25	30.38
2	2-1/4	3-1/4	5-3/4	35	45.00

Bolt Type Anchor Shackles Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d, Type IV A
Grade A, Class 3

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Inside Width at bow (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
1/2	5/8	13/16	1-5/16	2	.75
5/8	3/4	1-1/16	1-11/16	3-1/4	1.44
3/4	7/8	1-1/4	2	4-3/4	2.50
7/8	1	1-7/16	2-1/4	6-1/2	3.50
1	1-1/8	1-11/16	2-5/8	8-1/2	5.25
1-1/8	1-1/4	1-7/8	3	9-1/2	7.25
1-1/4	1-3/8	2	3-3/8	12	11.50
1-3/8	1-1/2	2-1/4	3-5/8	13-1/2	15.00
1-1/2	1-5/8	2-3/8	3-7/8	17	18.70
1-3/4	2	2-7/8	5	25	30.38
2	2-1/4	3-1/4	5-3/4	35	45.00
2-1/2	2-3/4	4-1/8	7-1/4	55	85.75
3	3-1/4	5	7-7/8	85	145.00

Chain Shackles

- Forged Carbon Steel Bodies
- Alloy Pins
- Heat Treated



Screw Pin Chain Shackles Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d, Type IV B
Grade A, Class 2

**See These In Our
Stainless Steel
Section**

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
1/4	5/16	1/2	1/2	.11
5/16	3/8	9/16	3/4	.17
3/8	7/16	11/16	1	.28
7/16	1/2	3/4	1-1/2	.43
1/2	5/8	13/16	2	.59
5/8	3/4	1-1/16	3-1/4	1.25
3/4	7/8	1-1/4	4-3/4	2.63
7/8	1	1-7/16	6-1/2	3.16
1	1-1/8	1-11/16	8-1/2	4.75
1-1/8	1-1/4	1-7/8	9-1/2	6.75
1-1/4	1-3/8	2	12	9.06
1-3/8	1-1/2	2-1/4	13-1/2	11.63
1-1/2	1-5/8	2-3/8	17	15.95
1-3/4	2	2-7/8	25	26.75
2	2-1/4	3-1/4	35	42.30

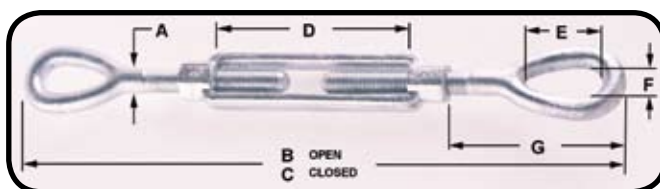
Bolt Type Chain Shackles Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d, Type IV B
Grade A, Class 3

Size (in)	Pin Dia (in)	Inside Width at pin (in)	Working Load Limit (tons)	Approx Weight Ea (lbs)
7/16	1/2	3/4	1-1/2	.49
1/2	5/8	13/16	2	.75
5/8	3/4	1-1/16	3-1/4	1.47
3/4	7/8	1-1/4	4-3/4	2.52
7/8	1	1-7/16	6-1/2	3.85
1	1-1/8	1-11/16	8-1/2	5.55
1-1/8	1-1/4	1-7/8	9-1/2	7.60
1-1/4	1-3/8	2	12	10.81
1-3/8	1-1/2	2-1/4	13-1/2	13.75
1-1/2	1-5/8	2-3/8	17	18.50
1-3/4	2	2-7/8	25	31.40
2	2-1/4	3-1/4	35	46.75

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 4

See These In Our
Stainless Steel
Section

Eye & Eye Turnbuckles Hot Dipped Galvanized

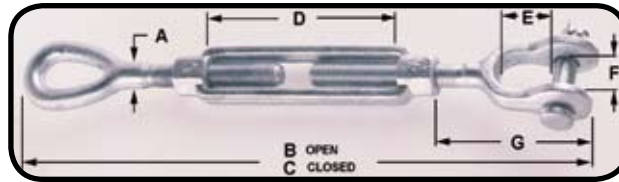
Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	0.30	0.25	12.25	8.25	4.00	0.78	0.34	1.75
5/16 X 4 1/2	800	0.47	0.31	14.12	9.62	4.50	0.94	0.44	2.09
3/8 X 6	1,200	0.75	0.38	18.16	12.16	6.00	1.12	0.53	2.52
1/2 X 6	2,200	1.60	0.50	19.96	13.96	6.00	1.44	0.72	3.23
1/2 X 9	2,200	1.83	0.50	25.96	16.96	9.00	1.44	0.72	3.23
1/2 X 12	2,200	2.08	0.50	31.96	19.96	12.00	1.44	0.72	3.23
5/8 X 6	3,500	2.75	0.63	21.68	15.68	6.00	1.75	0.88	3.90
5/8 X 9	3,500	3.13	0.63	27.68	18.68	9.00	1.75	0.88	3.90
5/8 X 12	3,500	3.50	0.63	33.68	21.68	12.00	1.75	0.88	3.90
3/4 X 6	5,200	3.89	0.75	23.62	17.62	6.00	2.09	1.00	4.69
3/4 X 9	5,200	4.61	0.75	29.62	20.62	9.00	2.09	1.00	4.69
3/4 X 12	5,200	5.43	0.75	35.62	23.62	12.00	2.09	1.00	4.69
3/4 X 18	5,200	7.25	0.75	47.62	29.62	18.00	2.09	1.00	4.69
7/8 X 12	7,200	8.10	0.88	36.82	24.82	12.00	2.38	1.25	5.10
7/8 X 18	7,200	9.95	0.88	48.82	30.82	18.00	2.38	1.25	5.10
1 X 6	10,000	9.33	1.00	27.72	21.72	6.00	3.00	1.44	6.36
1 X 12	10,000	11.93	1.00	39.97	27.72	12.00	3.00	1.44	6.36
1 X 18	10,000	14.00	1.00	51.72	33.72	18.00	3.00	1.44	6.36
1 X 24	10,000	17.25	1.00	63.72	39.72	24.00	3.00	1.44	6.36
1-1/4 X 12	15,200	19.00	1.25	42.56	30.56	12.00	3.56	1.81	7.72
1-1/4 X 18	15,200	23.00	1.25	54.56	36.56	18.00	3.56	1.81	7.72
1-1/4 X 24	15,200	27.00	1.25	66.56	42.56	24.00	3.56	1.81	7.72
1-1/2 X 12	21,400	27.50	1.50	45.00	33.00	12.00	4.06	2.12	8.62
1-1/2 X 18	21,400	31.00	1.50	57.00	39.00	18.00	4.06	2.12	8.62
1-1/2 X 24	21,400	37.50	1.50	69.00	45.34	24.00	4.06	2.12	8.62
1-3/4 X 18	28,000	52.50	1.75	60.38	42.38	18.00	4.62	2.38	10.00
1-3/4 X 24	28,000	58.00	1.75	72.38	48.38	24.00	4.62	2.38	10.00
2 X 24	37,000	85.25	2.00	79.19	55.19	24.00	5.75	2.69	13.09
2-1/2 X 24	60,000	144.25	2.50	82.62	58.62	24.00	6.50	3.12	13.78
2-3/4 X 24	75,000	194.00	2.75	85.50	61.50	24.00	7.00	3.25	15.22

Turnbuckles

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



See These In Our
Stainless Steel
Section



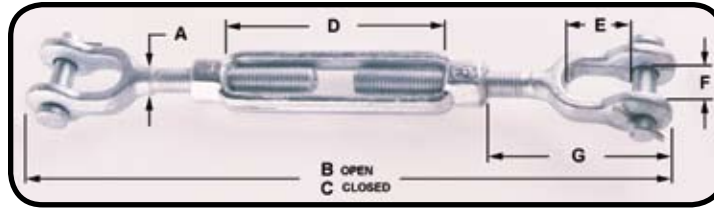
Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 5

Jaw & Eye Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	.30	0.25	12.07	8.07	4.00	.62	.45	1.58
5/16 X 4 1/2	800	.50	0.31	14.01	9.51	4.50	.87	.50	1.98
3/8 X 6	1,200	.80	0.38	17.77	11.77	6.00	.87	.54	2.12
1/2 X 6	2,200	1.51	0.50	20.48	13.48	6.00	1.06	.55	2.75
1/2 X 9	2,200	1.71	0.50	26.48	16.48	9.00	1.06	.55	2.75
1/2 X 12	2,200	2.08	0.50	32.48	19.48	12.00	1.06	.55	2.75
5/8 X 6	3,500	2.35	0.63	22.53	15.28	6.00	1.31	.82	3.50
5/8 X 9	3,500	3.17	0.63	28.53	18.28	9.00	1.31	.82	3.50
5/8 X 12	3,500	3.61	0.63	34.53	21.28	12.00	1.31	.82	3.50
3/4 X 6	5,200	4.00	0.75	24.61	17.11	6.00	1.50	1.03	4.18
3/4 X 9	5,200	4.75	0.75	30.61	20.11	9.00	1.50	1.03	4.18
3/4 X 12	5,200	5.93	0.75	36.61	23.11	12.00	1.50	1.03	4.18
3/4 X 18	5,200	7.00	0.75	48.61	29.11	18.00	1.50	1.03	4.18
7/8 X 12	7,200	8.36	0.88	38.32	24.57	12.00	1.75	1.23	4.85
7/8 X 18	7,200	9.75	0.88	50.32	30.57	18.00	1.75	1.23	4.85
1 X 6	10,000	8.92	1.00	28.89	20.89	6.00	2.06	1.31	5.53
1 X 12	10,000	11.20	1.00	40.89	26.89	12.00	2.06	1.31	5.53
1 X 18	10,000	13.30	1.00	52.89	32.89	18.00	2.06	1.31	5.53
1 X 24	10,000	17.00	1.00	64.89	38.89	24.00	2.06	1.31	5.53
1-1/4 X 12	15,200	19.42	1.25	44.55	30.05	12.00	2.81	1.86	7.21
1-1/4 X 18	15,200	24.18	1.25	56.05	36.05	18.00	2.81	1.86	7.21
1-1/4 X 24	15,200	28.50	1.25	68.55	42.05	24.00	2.81	1.86	7.21
1-1/2 X 12	21,400	28.99	1.50	47.25	32.25	12.00	2.81	2.25	7.88
1-1/2 X 18	21,400	35.00	1.50	59.25	38.25	18.00	2.81	2.25	7.88
1-1/2 X 24	21,400	39.18	1.50	71.25	44.25	24.00	2.81	2.25	7.88
1-3/4 X 18	28,000	53.75	1.75	59.78	41.78	18.00	3.38	2.60	9.40
1-3/4 X 24	28,000	60.68	1.75	71.78	47.78	24.00	3.38	2.60	9.40
2 X 24	37,000	89.00	2.00	77.95	53.95	24.00	3.69	2.62	11.86
2-1/2 X 24	60,000	150.00	2.50	82.40	58.40	24.00	4.44	3.06	13.56
2-3/4 X 24	75,000	183.00	2.75	85.50	61.50	24.00	4.19	3.68	15.22

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor

See These In Our
Stainless Steel
Section



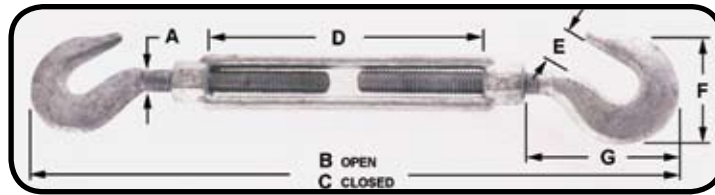
Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 7

Jaw & Jaw Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	.30	0.25	12.07	8.07	4.00	.62	.45	1.58
5/16 X 4 1/2	800	.50	0.31	14.01	9.51	4.50	.87	.50	1.98
3/8 X 6	1,200	.80	0.38	17.77	11.77	6.00	.87	.54	2.12
1/2 X 6	2,200	1.51	0.50	20.48	13.48	6.00	1.06	.55	2.75
1/2 X 9	2,200	1.71	0.50	26.48	16.48	9.00	1.06	.55	2.75
1/2 X 12	2,200	2.08	0.50	32.48	19.48	12.00	1.06	.55	2.75
5/8 X 6	3,500	2.35	0.63	22.53	15.28	6.00	1.31	.82	3.50
5/8 X 9	3,500	3.17	0.63	28.53	18.28	9.00	1.31	.82	3.50
5/8 X 12	3,500	3.61	0.63	34.53	21.28	12.00	1.31	.82	3.50
3/4 X 6	5,200	4.00	0.75	24.61	17.11	6.00	1.50	1.03	4.18
3/4 X 9	5,200	4.75	0.75	30.61	20.11	9.00	1.50	1.03	4.18
3/4 X 12	5,200	5.93	0.75	36.61	23.11	12.00	1.50	1.03	4.18
3/4 X 18	5,200	7.00	0.75	48.61	29.11	18.00	1.50	1.03	4.18
7/8 X 12	7,200	8.36	0.88	38.32	24.57	12.00	1.75	1.23	4.85
7/8 X 18	7,200	9.75	0.88	50.32	30.57	18.00	1.75	1.23	4.85
1 X 6	10,000	8.92	1.00	28.89	20.89	6.00	2.06	1.31	5.53
1 X 12	10,000	11.20	1.00	40.89	26.89	12.00	2.06	1.31	5.53
1 X 18	10,000	13.30	1.00	52.89	32.89	18.00	2.06	1.31	5.53
1 X 24	10,000	17.00	1.00	64.89	38.89	24.00	2.06	1.31	5.53
1-1/4 X 12	15,200	19.42	1.25	44.55	30.05	12.00	2.81	1.86	7.21
1-1/4 X 18	15,200	24.18	1.25	56.05	36.05	18.00	2.81	1.86	7.21
1-1/4 X 24	15,200	28.50	1.25	68.55	42.05	24.00	2.81	1.86	7.21
1-1/2 X 12	21,400	28.99	1.50	47.25	32.25	12.00	2.81	2.25	7.88
1-1/2 X 18	21,400	35.00	1.50	59.25	38.25	18.00	2.81	2.25	7.88
1-1/2 X 24	21,400	39.18	1.50	71.25	44.25	24.00	2.81	2.25	7.88
1-3/4 X 18	28,000	53.75	1.75	59.78	41.78	18.00	3.38	2.60	9.40
1-3/4 X 24	28,000	60.68	1.75	71.78	47.78	24.00	3.38	2.60	9.40
2 X 24	37,000	89.00	2.00	77.95	53.95	24.00	3.69	2.62	11.86
2-1/2 X 24	60,000	150.00	2.50	82.40	58.40	24.00	4.44	3.06	13.56
2-3/4 X 24	75,000	183.00	2.75	85.50	61.50	24.00	4.19	3.68	15.22

Turnbuckles

- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 5

Hook & Hook Turnbuckles Hot Dipped Galvanized

Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	400	.29	0.25	12.09	8.09	4.00	.45	1.27	1.75
5/16 X 4 1/2	700	.49	0.31	13.47	9.47	4.50	.50	1.50	2.09
3/8 X 6	1,000	.78	0.38	17.94	11.94	6.00	.56	1.77	2.52
1/2 X 6	1,500	1.61	0.50	20.67	13.67	6.00	.66	2.28	3.23
1/2 X 12	1,500	2.26	0.50	32.67	19.67	12.00	.66	2.28	3.23
5/8 X 6	2,250	2.70	0.63	22.72	15.47	6.00	.90	2.81	3.90
5/8 X 12	2,250	3.78	0.63	34.72	21.47	12.00	.90	2.81	3.90
3/4 X 6	3,000	3.89	0.75	24.95	17.45	6.00	.98	3.33	4.69
3/4 X 12	3,000	5.83	0.75	36.95	23.45	12.00	.98	3.33	4.69
3/4 X 18	3,000	6.33	0.75	48.95	29.45	18.00	.98	3.33	4.69
7/8 X 12	4,000	8.10	0.88	38.66	24.91	12.00	1.13	3.78	5.10
1 X 12	5,000	11.93	1.00	41.20	27.20	12.00	1.25	4.25	6.36



Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 3

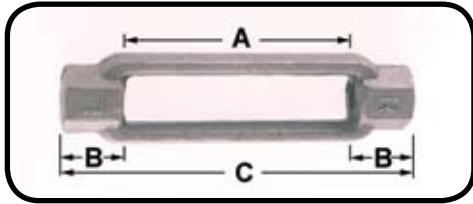
Stub End Turnbuckles Self Colored

Shank Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)				
			A	B	C	D	E
3/8 X 6	1,200	.75	.38	6.00	7.13	16.00	4.44
1/2 X 6	2,200	1.25	.50	6.00	7.50	16.00	4.25
5/8 X 6	3,500	2.11	.63	6.00	7.88	16.00	4.06
3/4 X 6	5,200	3.27	.75	6.00	8.25	17.00	4.38
7/8 X 6	7,200	4.78	.88	6.00	8.63	18.00	4.69
1 X 6	10,000	6.36	1.00	6.00	9.00	19.00	5.00

Bodies, Clevis Blanks & Links

- Drop Forged Steel
- Heat Treated
- 5:1 Safety Factor

Turnbuckle Bodies Self Colored



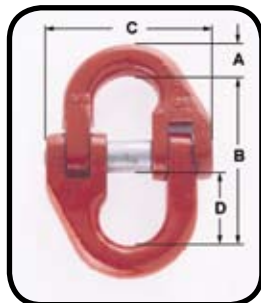
Thread Dia X Take Up (in)	Working Load Limit (lbs.)	Weight Each (lbs.)	Dimensions (in)		
			A	B	C
3/8 X 6	1,200	.29	6	5/8	7-3/8
1/2 X 6	2,200	.60	6	1	7-7/16
5/8 X 6	3,500	.90	6	1-1/16	8-3/16
3/4 X 6	5,200	1.30	6	1-5/32	8-7/16
7/8 X 6	7,200	1.79	6	1-5/16	8-3/4
1 X 6	10,000	2.10	6	1-3/8	8-15/16
1-1/8 X 6	15,000	2.78	6	1-1/2	9-7/32
1-1/4 X 6	15,200	3.43	6	1-11/16	9-11/16
1-1/2 X 6	21,000	6.16	6	1-7/8	10

Clevis Blanks Self Colored



Clevis Size	Max Thread Diameter (in)	Max Pin Diameter (in)	Rated Capacity (lbs)	Approx Weight ea (lbs)
#2	5/8	3/4	3,500	1.0
#2-1/2	7/8	1-1/2	7,500	2.5
#3	1-3/8	1-3/4	15,000	4.0
#3-1/2	1-1/2	2	18,000	6.0
#4	1-3/4	2-1/4	21,000	9.0
#5	2-1/8	2-1/2	37,500	16.0

Alloy Coupling Links Painted



Chain Size (in)	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in.)			
			A	B	C	D
9/32 (1/4)	.29	3,500	.36	1.88	.78	.66
5/16	.67	4,500	.36	2.18	.91	.69
3/8	.76	7,100	.45	2.53	1.03	.88
1/2	1.06	12,000	.64	3.44	1.44	1.13
5/8	2.43	18,100	.75	4.13	1.73	1.41
3/4	4.20	28,300	.93	4.92	2.03	1.63
7/8	6.80	34,200	1.06	5.46	2.27	2.00
1	11.03	47,700	1.22	5.98	2.44	2.25
1-1/4	20.38	72,300	1.50	7.43	3.07	2.56

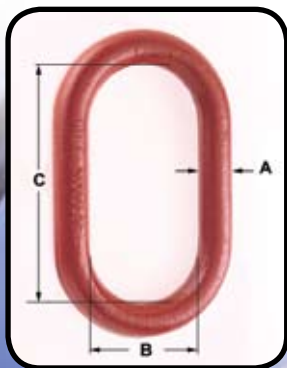
Designed for use with Grade 80 chain

Forged Weldless Links

- Drop Forged Steel
- Heat Treated
- 5:1 Safety Factor

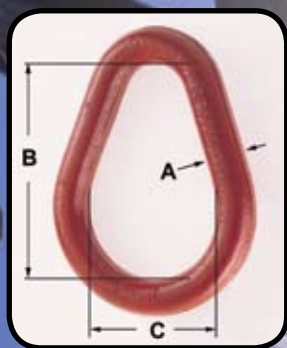


Oblong Master Links Alloy Steel



Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in.)	
			B	C
1/2	7,000	.82	2.50	5.00
5/8	9,000	1.52	3.00	6.00
3/4	12,300	2.07	2.75	5.50
7/8	15,000	3.50	3.75	6.38
1	24,360	4.85	3.50	7.00
1-1/4	36,200	9.57	4.38	8.75
1-1/2	54,300	16.22	5.25	10.50
1-3/4	84,900	25.22	6.00	12.00
2	102,600	37.04	7.00	14.00

Pear Shaped Sling Links Carbon Steel



Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in.)	
			B	C
3/8	1,800	.23	1.13	.75
1/2	2,900	.55	1.50	1.00
5/8	4,200	1.06	1.87	1.25
3/4	6,000	1.88	2.25	1.50
7/8	8,300	2.75	2.63	1.75
1	10,800	4.35	3.00	2.00
1 1/4	16,750	7.60	4.00	2.50
1 3/8	20,500	11.30	4.13	2.75

**Pear Links & Round
Rings Available in
Alloy Steel !**

Round Rings Carbon Steel



Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Inside Diameter (in)
3/4 X 3	3,700	1.63	3.00
3/4 X 3-1/2	3,700	1.68	3.50
3/4 X 4	3,700	1.89	4.00
7/8 X 4	7,200	2.72	4.00
7/8 X 5-1/2	5,600	3.47	5.50
1 X 4	10,800	3.69	4.00
1-1/8 X 6	10,400	6.60	6.00
1-1/4 X 5	17,000	6.82	5.00
1-3/8 X 6	19,000	10.12	6.00

Hoist Hooks

Eye Hoist Hooks Painted



**Latch Kits
Available**

Size Alloy (tons)	Size Carbon (tons)	Eye Diameter (in)	Throat Opening w/latch (in)	Weight Each (lbs)
1	3/4	3/4	7/8	.50
1-1/2	1	29/32	31/32	.75
2	1-1/2	1-1/8	1	1.00
3	2	1-1/4	1-1/8	1.70
4-1/2	3	1-9/16	1-11/32	3.60
7	5	2	1-11/16	7.50
11	7-1/2	2-7/16	2-1/16	13.00
15	10	2-27/32	2-1/4	18.50
22	15	3-1/2	3	33.80

Swivel Hoist Hooks Painted



Size Alloy (tons)	Size Carbon (tons)	Inside Bail Width (in)	Throat Opening w/latch (in)	Weight Each (lbs)
1	3/4	1-1/4	7/8	.78
1-1/2	1	1-1/2	31/32	1.32
2	1-1/2	1-3/4	1	2.02
3	2	1-3/4	1-1/8	2.57
4-1/2	3	2	1-11/32	4.89
7	5	2-1/2	1-11/16	10.29
11	7-1/2	2-3/4	2-1/16	18.62
15	10	3-1/8	2-1/4	25.43
22	15	4	3	44.00

Sorting Hooks Painted



Working Load Limit at tip of Hook (tons)	Working Load Limit at bottom of Hook (tons)	Weight Each (lbs)	Dimensions (inches)			
			I.D. of Eye	Overall Length	Opening at top of Hook	Radius at bottom of Hook
2	7-1/2	6.25	1.38	9.7	2.8	.625

Clevis Grab Hooks



Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	2,600	3,600	.40
5/16	3,900	5,400	.79
3/8	5,400	7,500	1.00
7/16	7,200	10,000	1.50
1/2	9,200	12,750	2.10
5/8	12,750	19,000	4.20

Eye Grab Hooks



Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	2,600	3,600	.40
5/16	3,900	5,400	.75
3/8	5,400	7,500	1.20
7/16	7,200	10,000	1.50
1/2	9,200	12,750	2.10
5/8	12,750	19,000	4.40

Clevis Slip Hooks



Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	1,950	2,750	.43
5/16	2,875	4,300	.72
3/8	4,000	5,250	1.03
7/16	5,000	7,000	1.64
1/2	6,500	9,000	2.45
5/8	9,250	13,500	4.70

Eye Slips Hooks



Chain Size (in)	Working Load Limit (lbs)		Weight Each (lbs)
	G-43	G-70	
1/4	1,950	2,750	.43
5/16	2,875	4,300	.72
3/8	4,000	5,250	1.03
7/16	5,000	7,000	1.64
1/2	6,500	9,000	2.45
5/8	9,250	13,500	4.70

Ultimate Load is 5 Times the Working Load Limit.
Working Load Limit applies to straight, inline pulls only.

Shoulder Nut Eye Bolts Hot Dipped Galvanized



Shank Diameter X Shank Length (in)	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
		I.D.	O.D.		
1/4 X 2	1.50	.50	.88	650	6.60
1/4 X 4	2.50	.50	.88	650	9.10
5/16 X 2-1/4	1.50	.62	1.12	1,200	12.50
5/16 X 4-1/4	2.50	.62	1.12	1,200	18.80
3/8 X 2-1/2	1.50	.75	1.38	1,550	21.40
3/8 X 4-1/2	2.50	.75	1.38	1,550	25.30
1/2 X 3-1/4	1.50	1.00	1.75	2,600	42.60
1/2 X 6	3.00	1.00	1.75	2,600	56.80
5/8 X 4	2.00	1.25	2.25	5,200	68.60
5/8 X 6	3.00	1.25	2.25	5,200	102.40
3/4 X 4-1/2	2.00	1.50	2.75	7,200	144.50
3/4 X 6	3.00	1.50	2.75	7,200	167.50
7/8 X 5	2.50	1.75	3.25	10,600	225.00
1 X 6	3.00	2.00	3.75	13,300	366.30
1 X 9	4.00	2.00	3.75	13,300	422.50
1-1/4 X 8	4.00	2.50	4.50	21,000	650.00
1-1/4 X 12	4.00	2.50	4.50	21,000	795.00
1-1/2 X 15	6.00	3.00	5.50	24,000	1425.00

**See These In Our
Stainless Steel
Section**

Machinery Eye Bolts Self Colored



Shank Diameter X Shank Length (in)	Trade Number	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
			I.D.	O.D.		
1/4 X 1	21	1.00	.75	1.13	500	5
5/16 X 1-1/8	22	1.12	.88	1.38	900	9
3/8 X 1-1/4	23	1.25	1.00	1.62	1,300	15
7/16 X 1-3/8	24	1.37	1.09	1.84	1,800	21
1/2 X 1-1/2	25	1.50	1.19	1.95	2,400	28
9/16 X 1-5/8	26	1.62	1.28	2.28	3,200	35
5/8 X 1-3/4	27	1.75	1.38	2.38	4,000	55
3/4 X 2	28	2.00	1.50	2.76	5,000	96
7/8 X 2-1/4	29	2.25	1.75	3.25	7,000	154
1 X 2-1/2	30	2.50	2.00	3.76	9,000	218
1-1/4 X 3	31	3.00	2.50	4.50	15,000	380
1-1/2 X 3-1/2	32	3.50	2.50	5.18	21,000	700

Eye Bolts & Eye Nuts



Regular Nut Eye Bolts Hot Dipped Galvanized



Shank Diameter X Shank Length (in)	Thread Length (in)	Eye Dimensions (in)		Working Load Limit (lbs)	Approx Weight Per 100 (lbs)
		I.D.	O.D.		
1/4 X 2	1.50	.50	1.00	650	6.00
1/4 X 4	2.50	.50	1.00	650	13.50
5/16 X 2-1/4	1.50	.62	1.25	1,200	18.75
5/16 X 4-1/4	2.50	.62	1.25	1,200	25.00
3/8 X 2-1/2	1.50	.75	1.50	1,550	24.33
3/8 X 4-1/2	2.50	.75	1.50	1,550	37.50
3/8 X 6	2.50	.75	1.50	1,550	43.75
1/2 X 3-1/4	1.50	1.00	2.00	2,600	50.00
1/2 X 6	3.00	1.00	2.00	2,600	62.50
1/2 X 8	3.00	1.00	2.00	2,600	75.00
1/2 X 10	3.00	1.00	2.00	2,600	88.00
1/2 X 12	3.00	1.00	2.00	2,600	100.00
5/8 X 4	2.00	1.25	2.50	5,200	101.25
5/8 X 6	3.00	1.25	2.50	5,200	120.00
5/8 X 8	3.00	1.25	2.50	5,200	131.00
5/8 X 10	3.00	1.25	2.50	5,200	162.50
5/8 X 12	4.00	1.25	2.50	5,200	175.00
3/4 X 4-1/2	2.00	1.50	3.00	7,200	168.60
3/4 X 6	3.00	1.50	3.00	7,200	184.50
3/4 X 8	3.00	1.50	3.00	7,200	200.00
3/4 X 10	3.00	1.50	3.00	7,200	237.50
3/4 X 12	4.00	1.50	3.00	7,200	251.94
3/4 X 15	5.00	1.50	3.00	7,200	300.00
7/8 X 5	2.50	1.75	3.50	10,600	275.00
7/8 X 8	4.00	1.75	3.50	10,600	325.00
7/8 X 12	4.00	1.75	3.50	10,600	400.00
1 X 6	3.00	2.00	4.00	13,300	425.00
1 X 9	4.00	2.00	4.00	13,300	452.00
1 X 12	4.00	2.00	4.00	13,300	550.00
1 X 18	7.00	2.00	4.00	13,300	650.00

See These In Our
Stainless Steel
Section



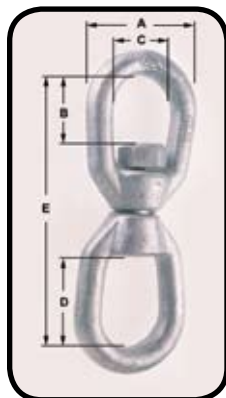
Eye Nuts Self Colored

Trade Size	Tap Size	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)			
				A	B	C	D
1	1/4 - 20	520	.09	1.25	.75	1.00	.25
2	3/8 - 16	1,250	.17	1.62	1.00	1.20	.31
3A	1/2 - 13	2,250	.28	2.00	1.25	1.44	.38
4	5/8 - 11	3,600	.60	2.50	1.50	1.92	.50
5	3/4 - 10	5,200	1.00	3.00	1.75	2.28	.63
6	7/8 - 9	7,200	1.65	3.50	2.00	2.50	.75
7	1 - 8	10,000	2.69	4.00	2.25	2.92	.88
8	1-1/4 - 7	15,500	3.87	4.50	2.50	3.35	1.00
9	1-3/8 - 6	18,500	5.00	5.00	2.75	4.00	1.13

**Ultimate Load is 5
Times the Working
Load Limit.
Working Load Limit
applies to straight,
inline pulls only.**

**Ultimate Load is 5
Times the Working
Load Limit.
Working Load Limit
applies to straight,
inline pulls only.**

Eye & Eye Swivels Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d
Type VII, Class 2

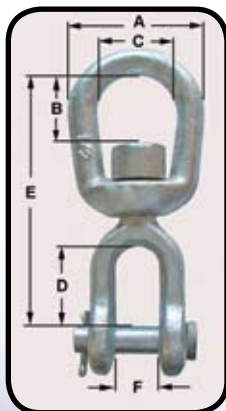
Size	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in)				
			A	B	C	D	E
1/4	.21	850	1-1/4	11/16	3/4	1-1/16	2-15/16
5/16	.39	1,250	1-5/8	13/16	1	1-1/4	3-9/16
3/8	.69	2,250	2	15/16	1-1/4	1-1/2	4-5/16
1/2	1.43	3,600	2-1/2	1-5/16	1-1/2	2	5-7/16
5/8	2.50	5,200	3	1-9/16	1-3/4	2-3/8	6-9/16
3/4	4.13	7,200	3-1/2	1-3/4	2	2-5/8	7-3/16
7/8	4.25	10,000	4	2-1/16	2-1/4	3-1/16	8-3/8
1	9.00	12,500	4-1/4	2-5/16	2-1/2	3-1/2	9-5/8
1-1/8	12.46	15,200	5	2-3/8	2-3/4	3-3/4	10-3/8
1-1/4	16.76	18,000	5-5/8	2-11/16	3-1/8	3-11/16	11-1/8
1-1/2	45.79	45,200	7	4-3/16	4	4-3/16	17-1/8

Ultimate Load is 5 Times the Working Load Limit

See These In Our
Stainless Steel
Section

• Swivels are positioning devices and are not intended to rotate under load.

Jaw & Eye Swivels Hot Dipped Galvanized



Meets Federal Spec
RR-C-271d
Type VII, Class 3

Size	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in)					
			A	B	C	D	E	F
1/4	.25	850	1-1/4	11/16	3/4	7/8	2-5/8	15/32
5/16	.39	1,250	1-5/8	13/16	1	7/8	2-15/16	1/2
3/8	.70	2,250	2	15/16	1-1/4	1-1/16	3-5/8	5/8
1/2	1.43	3,600	2-1/2	1-5/16	1-1/2	1-5/16	4-1/2	3/4
5/8	2.50	5,200	3	1-9/16	1-3/4	1-1/2	5-5/16	15/16
3/4	4.13	7,200	3-1/2	1-3/4	2	1-3/4	6-1/16	1-1/8
7/8	5.75	10,000	4	2-1/16	2-1/4	2-1/16	7	1-3/16
1	10.25	12,500	4-1/4	2-5/16	2-1/2	2-13/16	8-9/16	1-3/4
1-1/8	12.46	15,200	5	2-3/8	2-3/4	2-13/16	8-16/16	1-3/4
1-1/4	15.75	18,000	5-5/8	2-11/16	3-1/8	2-13/16	9-7/16	2-1/16
1-1/2	54.75	45,200	7	4-3/16	4	4-7/16	14-3/4	2-7/8

Ultimate Load is 5 Times the Working Load Limit

Drop Side w/Swivel Hook



Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3HK	3"	2	3/8"	5
BLK4.1/2HK	4-1/2"	4	1/2"	12
BLK6HK	6"	8	3/4"	27
BLK8HK	8"	8	5/8 - 3/4"	33
BLK10HK	10"	8	5/8 - 3/4"	41
BLK16HK	16"	15	3/4 - 7/8"	130

Bronze Bushed with Pressure Grease Fittings

Drop Side w/Swivel Shackle



Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3SH	3"	2	5/16 - 3/8"	5
BLK4.1/2SH	4-1/2"	4	3/8 - 1/2"	12
BLK6SH	6"	8	5/8 - 3/4"	28
BLK8SH	8"	8	5/8 - 3/4"	34
BLK10SH	10"	8	5/8 - 3/4"	42
BLK16SH	16"	15	3/4 - 7/8"	135

Bronze Bushed with Pressure Grease Fittings

Yarding Block w/Bail



Part #	Size (in)	WLL (tons)	Wire Size (in)	Weight (lbs)
BLK3ORG	3"	1-1/2	1/4-3/8	2.75
BLK4ORG	4"	3	1/4-7/16	4.25
BLK5ORG	5"	4-1/2	3/8-1/2	7.25
BLK6ORG	6"	6	1/2-3/4	12.25
BLK8ORG	8"	8	3/4-1"	27.50

Steel Roller Bearings with Pressure Grease Fittings

Yarding Block w/Swivel Eye



Part #	Size (in)	WLL (tons)	Wire Size	Weight (lbs)
BLK3SWEYE	3"	1-1/2	1/4-3/8	2.75
BLK4SWEYE	4"	3	1/4-7/16	4.25
BLK5SWEYE	5"	4-1/2	3/8-1/2	7.25
BLK6SWEYE	6"	6	1/2-3/4	12.25
BLK8SWEYE	8"	8	3/4-1"	27.50

Steel Roller Bearings with Pressure Grease Fittings

Chain Links

- Not For Overhead Lifting
- Not For Securing Loads

Quick Links Electro Galvanized



Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)		
			Opening	Inside Width	Inside Length
1/8	400	2	0.188	0.375	1.125
3/16	660	4	0.250	0.500	1.500
1/4	880	8	0.281	0.563	1.750
5/16	1,760	16	0.375	0.688	2.313
3/8	2,650	24	0.438	0.750	2.438
1/2	3,300	56	0.625	0.938	3.133

Spring Snap Links Electro Galvanized



Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)		
			Opening	Max Inside Width	Inside Length
1/8	35	2	.24	.45	1.27
3/16	105	4	.28	.60	1.61
1/4	395	6	.32	.71	1.94
5/16	500	16	.40	.92	2.56
3/8	770	32	.58	1.20	3.19
1/2	900	60	.70	1.55	4.50

See These In Our
Stainless Steel
Section



Lap (Repair) Links Electro Galvanized

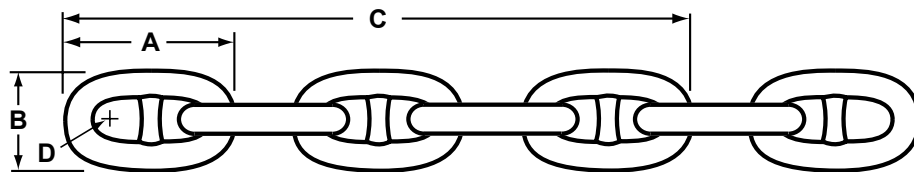
Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)	
			Inside Width	Inside Length
1/8	190	1.2	.30	.750
3/16	240	3.5	.50	1.00
1/4	400	6	.50	1.25
5/16	950	10	.75	1.50
3/8	1,250	22	.75	1.63
1/2	1,525	54	1.00	2.50

Cold Shuts Electro Galvanized



Size (in)	Working Load Limit (lbs)	Weight per 100 pcs (lbs)	Dimensions (in)	
			Inside Width	Inside Length
3/16	660	4.5	.34	0.93
1/4	880	8.0	.38	1.00
5/16	1,760	17	.44	1.20
3/8	2,220	23	.50	1.30
1/2	3,300	51	.75	1.56

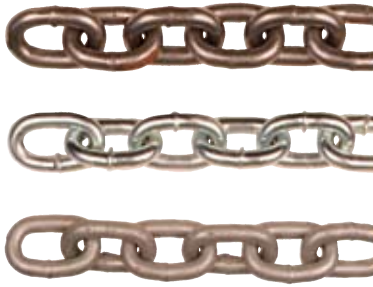
Anchor Chain



Stud Link Anchor Chain

Size (in)	Dimensions (in)				Weight per 15 Fathom Shot (approx)	No. of Links per 15 Fathom Shot	Grade 1		Grade 2		Grade 3	
	A	B	C	D			Proof Test	Break Test	Proof Test	Break Test	Proof Test	Break Test
3/4	4-1/2	2-5/8	16-1/2	1/2	480	357	23,800	34,000	34,000	47,600	47,600	68,000
13/16	4-7/8	2-7/8	17-7/8	17/32	570	329	27,800	39,800	39,800	55,700	55,700	79,500
7/8	5-1/4	3-1/8	19-1/4	37/64	660	305	32,200	46,000	46,000	64,400	64,400	91,800
15/16	5-5/8	3-5/16	20-5/8	5/8	760	285	36,800	52,600	52,600	73,700	73,700	105,000
1	6	3-9/16	22	21/32	860	267	41,800	59,700	59,700	83,600	83,600	119,500
1-1/16	6-3/8	3-3/4	23-3/8	11/16	970	251	47,000	67,200	67,200	94,100	94,100	135,000
1-1/8	6-3/4	4	24-3/4	25/32	1080	237	52,600	75,000	75,000	105,000	105,000	150,000
1-13/16	7-1/8	4-1/4	26-1/8	25/32	1220	225	58,400	83,400	83,400	116,500	116,500	167,000
1-1/4	7-1/2	4-1/2	27-1/2	25/32	1350	213	64,500	92,200	92,200	129,000	129,000	184,000
1-5/16	7-7/8	4-3/4	28-7/8	7/8	1490	203	70,900	101,500	101,500	142,000	142,000	203,000
1-3/8	8-1/4	4-15/16	30-1/4	7/8	1630	195	77,500	111,000	111,000	155,000	155,000	222,000
1-7/16	8-5/8	5-3/16	31-5/8	15/16	1780	187	84,500	120,500	120,500	169,000	169,000	241,000
1-1/2	9	5-3/8	33	63/64	1940	179	91,700	131,000	131,000	183,500	183,500	262,000
1-9/16	9-3/8	5-5/8	34-3/8	1-1/32	2090	171	99,200	142,000	142,000	198,500	198,500	284,000
1-5/8	9-3/4	5-7/8	35-3/4	1-1/16	2240	165	108,000	153,000	153,000	214,000	214,000	306,000
1-11/16	10-1/8	6-1/16	37-1/8	1-3/32	2410	159	115,000	166,500	166,500	229,000	229,000	327,000
1-3/4	10-1/2	6-5/16	38-1/2	1-5/32	2590	153	123,500	176,000	176,000	247,000	247,000	352,000
1-13/16	10-7/8	6-1/2	39-7/8	1-3/16	2790	147	132,000	188,500	188,500	264,000	264,000	377,000
1-7/8	11-1/4	6-3/4	41-1/4	1-1/4	2980	143	140,500	201,000	201,000	281,000	281,000	402,000
1-15/16	11-5/8	7	42-5/8	1-9/32	3180	139	149,500	214,000	214,000	299,000	299,000	427,000
2	12	7-3/16	44	1-5/16	3360	133	159,000	227,000	227,000	318,000	318,000	454,000
2-1/16	12-3/8	7-7/16	45-3/8	1-3/8	3570	129	168,500	241,000	241,000	337,000	337,000	482,000
2-1/8	12-3/4	7-5/8	46-3/4	1-27/64	3790	125	178,500	255,000	255,000	357,000	357,000	510,000
2-3/16	13-1/8	7-7/8	48-1/8	1-15/32	4020	123	188,500	269,000	269,000	377,000	377,000	538,000
2-1/4	13-1/2	8-1/8	49-1/2	1-1/2	4250	119	198,500	284,000	284,000	396,000	396,000	570,000
2-5/16	13-7/8	8-5/16	50-7/8	1-17/32	4490	117	209,000	299,000	299,000	418,000	418,000	598,000
2-3/8	14-1/4	8-9/16	52-1/4	1-9/16	4730	113	212,000	314,000	314,000	440,000	440,000	628,000
2-7/16	14-5/8	8-3/4	53-5/8	1-5/8	4960	111	231,000	330,000	330,000	462,000	462,000	660,000
2-1/2	15	9	55	1-5/8	5270	107	242,000	346,000	346,000	484,000	484,000	692,000
2-9/16	15-3/8	9-1/4	56-3/8	1-11/16	5540	105	254,000	363,000	363,000	507,000	507,000	726,000
2-5/8	15-3/4	9-7/16	57-3/4	1-11/16	5820	103	265,000	379,000	379,000	530,000	530,000	758,000
2-11/16	16-1/8	9-11/16	59-1/8	1-3/4	6110	99	277,000	396,000	396,000	554,000	554,000	792,000
2-3/4	16-1/2	9-7/8	60-1/2	1-13/16	6410	97	289,000	413,000	413,000	578,000	578,000	826,000
2-13/16	16-7/8	10-1/8	61-7/8	1-27/32	6710	95	301,000	431,000	431,000	603,000	603,000	861,000
2-7/8	17-1/4	10-3/8	63-1/4	1-7/8	7020	93	314,000	449,000	449,000	628,000	628,000	897,000
3	18	10-13/16	66	2	7650	89	340,000	485,000	485,000	679,000	679,000	970,000

- Self Colored
- Zinc Plated
- Hot Dipped Galvanized



G30 Proof Coil Chain - NACM

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/8	400	1,600	0.25	0.94	2,500	20
3/16	800	3,200	0.30	0.98	1,600	40
1/4	1,300	5,200	0.38	1.24	800	66
5/16	1,900	7,600	0.44	1.29	550	86
3/8	2,650	10,600	0.55	1.38	400	142
1/2	4,500	18,000	0.72	1.79	200	242
5/8	6,900	27,600	0.79	2.20	150	357
3/4	10,600	42,400	0.98	2.76	100	560
7/8	12,800	51,200	1.08	3.03	80	675
1	17,900	71,600	1.25	3.58	60	924

Not Designed for Overhead Lifting

PAILS



G30 Proof Coil Chain - NACM Zinc Plated Pails

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Pail	Approx Weight per Pail (lbs)
1/8	400	1,600	0.25	0.94	500	103
3/16	800	3,200	0.30	0.98	250	105
1/4	1,300	5,200	0.38	1.24	141	92
5/16	1,900	7,600	0.44	1.29	92	80
3/8	2,650	10,600	0.55	1.38	63	90

Not Designed for Overhead Lifting

G43 High Test Chain - NACM

- Self Colored
- Hot Dipped Galvanized



Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/4	2,600	7,800	0.38	1.24	800	66
5/16	3,900	11,700	0.44	1.29	550	86
3/8	5,400	16,200	0.55	1.38	400	142
1/2	9,200	27,600	0.72	1.79	200	242
5/8	13,000	39,000	0.79	2.20	150	357
3/4	20,200	60,600	0.98	2.76	100	560
7/8	24,500	73,500	1.08	3.03	80	675

Not Designed for Overhead Lifting

G70 Transport Chain - NACM ASTM Chain Stocked and Available

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Feet Per Drum	Approx Weight per 100 ft (lbs)
1/4	3,150	12,600	0.38	1.24	800	66
5/16	4,700	18,800	0.44	1.29	550	86
3/8	6,600	26,400	0.55	1.38	400	142
1/2	11,300	45,200	0.72	1.79	200	242
5/8	15,800	63,200	0.79	2.20	150	357
3/4	24,700	98,800	0.98	2.76	100	560



- Yellow Zinc Dichromate Finish

Not Designed for Overhead Lifting

G80 Alloy Chain

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Maximum Inside Width (in)	Maximum Inside Length (in)	Minimum Weight per 100 ft (lbs)
9/32	3,500	14,000	0.430	0.900	72
5/16	4,500	18,000	0.500	1.040	92
3/8	7,100	28,400	0.600	1.260	127
1/2	12,000	48,000	0.768	1.640	226
5/8	18,100	72,400	0.945	2.020	365
3/4	28,300	113,200	1.180	2.520	520
7/8	34,200	136,800	1.300	2.770	720
1	47,700	190,800	1.540	3.280	925
1-1/4	72,300	289,200	1.890	4.030	1,465



- Black Finish

G80 Chain is designed for Overhead Lifting

Stainless Steel Chain T316

Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Approx Weight per 100 ft (lbs)
1/8	500	2,000	0.25	0.94	25
3/16	930	3,730	0.30	0.98	42
1/4	1,570	6,280	0.30	1.24	65
5/16	2,400	9,600	0.38	1.29	86
3/8	3,550	14,200	0.55	1.38	140
1/2	6,500	26,000	0.62	1.79	260
5/8	9,800	39,200	0.79	2.20	358
3/4	15,000	60,000	0.98	2.85	560



Made with high percentages of nickel, chrome, and molybdenum

Not Designed for Overhead Lifting



Forged Lever Load Binders Painted

Size (in)	Working Load Limit (lbs)	Breaking Strength (lbs)	Weight Each (lbs)	Take Up (in)
1/4	2,600	9,100	3.10	2-1/2
5/16-3/8	5,400	19,000	8.25	3-3/4
3/8-1/2	9,200	27,600	11.50	4
1/2-5/8	11,500	34,500	12.70	4-1/4



Forged Ratchet Load Binders Painted

Size (in)	Working Load Limit (lbs)	Breaking Strength (lbs)	Weight Each (lbs)	Take Up (in)
1/4	2,200	7,800	3.50	4
5/16-3/8	5,400	19,000	11.23	8
3/8-1/2	9,200	33,000	12.83	8
1/2-5/8	13,000	46,000	14.55	8



Forged Indirect Load Binders Painted

Size (in)	Working Load Limit (lbs)	Breaking Strength (lbs)	Weight Each (lbs)	Take Up (in)
5/16-3/8	5,400	19,000	9.20	3-3/4



Forged Snubbing Load Binders Painted

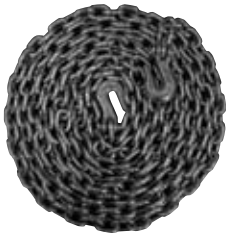
SIZE (in)	Working Load Limit (lbs)	Breaking Strength (lbs)	Weight Each (lbs)	Take Up (in)
5/16-3/8	5,400	2,300	11.25	4.25
3/8-1/2	9,200	3,300	18.69	4.50

G70 Binder Chains Gold Chromate



Size	ASTM 80			NACM 96			Pcs Per Drum
	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	
5/16x20'	23.1	4,700	18,800	22.0	4,700	18,800	25
5/16x25'	28.6	4,700	18,800	26.4	4,700	18,800	20
3/8x14'	23.1	6,600	26,400	22.0	6,600	26,400	25
3/8x16'	26.4	6,600	26,400	25.3	6,600	26,400	25
3/8x20'	33.0	6,600	26,400	31.9	6,600	26,400	20
3/8x25'	40.7	6,600	26,400	39.6	6,600	26,400	20

G43 Binder Chains Self Colored



Size	ASTM 80			NACM 96			Pcs Per Drum
	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	Wt Ea (lbs)	W.L.L. (lbs)	B.S. (lbs)	
5/16x20'	23.1	3,200	11,600	20.9	3,900	11,600	25
5/16x25'	28.6	3,200	11,600	26.4	3,900	11,600	20
3/8x14'	23.1	4,450	16,200	22.0	5,400	16,200	25
3/8x16'	26.4	4,450	16,200	25.3	5,400	16,200	25
3/8x20'	33.0	4,450	16,200	29.7	5,400	16,200	20
3/8x25'	40.7	4,450	16,200	38.5	5,400	16,200	20





Chrome Combination Winch Bars
Chrome Regular Winch Bars

CINCH RITE®

4" x 30' Winch Strap Assemblies
Breaking Strength: 15,000 Lbs
Working Load Limit: 5,000 Lbs
D.O.T. Approved

Winches - S.W.L. - 5,500 Lbs



**Low Profile
Weld On**



**Low Profile
Portable**



**High Profile
Weld On**



**High Profile
Portable**

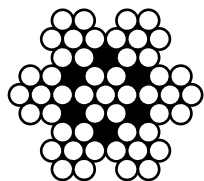


CINCH RITE®

2" x 30' Ratchet Strap Assemblies
Breaking Strength: 10,000 Lbs
Working Load Limit: 3,300 Lbs
D.O.T. Approved

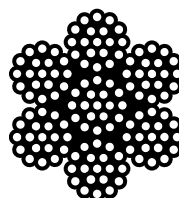


1" X 16' Utility Assemblies
Working Load Limit: 835 Lbs



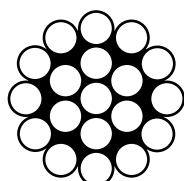
7X7 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.75	480	420
3/32	1.60	920	810
1/8	2.80	1,700	1,510
5/32	4.30	2,500	2,270
3/16	6.20	3,700	3,350
7/32	8.30	4,800	4,360
1/4	10.6	6,100	5,600
5/16	16.7	9,000	8,100
3/8	23.6	12,500	11,400



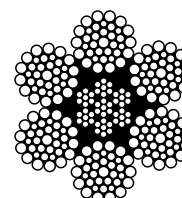
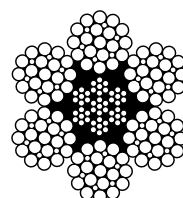
7X19 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
--	--	--	--
3/32	1.74	920	810
1/8	2.9	1,760	1,530
5/32	4.5	2,400	2,110
3/16	6.5	3,700	3,210
7/32	8.6	5,000	4,350
1/4	11.0	6,400	5,600
5/16	17.3	9,000	8,200
3/8	24.3	12,000	11,000



1X19 Stainless Steel Strand

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.85	550	480
3/32	2.00	1,200	1,070
1/8	3.50	2,100	1,760
5/32	5.50	3,300	3,000
3/16	7.70	4,700	4,270
7/32	10.2	6,300	5,730
1/4	13.5	8,200	7,460
5/16	21.0	12,500	11,800
3/8	30.0	17,500	16,500
1/2	54.0	31,000	29,500
9/16	69.0	38,000	36,100
5/8	85.0	47,400	44,970



6X19/37 Class SS Wire Rope

Diameter (in)	Approx. Weight/ft. (lb)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
5/16	0.18	9,000	8,200
3/8	0.26	12,000	10,800
7/16	0.35	16,300	14,800
1/2	0.46	22,800	20,500
9/16	0.59	28,500	25,700
5/8	0.72	35,000	31,500
3/4	1.04	49,600	44,600
7/8	1.42	66,500	59,900
1	1.85	85,400	76,900
1-1/8	2.34	106,400	95,800
1-1/4	2.89	129,400	116,500

SS Wire Rope Clips T316



Part #	Size (in)	Size (mm)	Min Clips Required	Weight Ea (lbs)
CLPSS1/16	1/16	2	3	.02
CLPSS1/8	1/8	4	3	.16
CLPSS3/16	3/16	5	3	.08
CLPSS1/4	1/4	6	3	.09
CLPSS5/16	5/16	8	3	.19
CLPSS3/8	3/8	10	3	.38
CLPSS1/2	1/2	12	4	.53
CLPSS5/8	5/8	16	4	.90
CLPSS3/4	3/4	20	5	1.06

SS Thimbles T316, T304



SS Standard Thimble



SS Heavy Duty Thimble

Standard			Heavy Duty		
Part #	Size (in)	Weight Ea (lbs)	Part #	Size (in)	Weight Ea (lbs)
THSSSTD1/8	1/8	.005	--	--	--
THSSSTD5/32	5/32	.007	--	--	--
THSSSTD3/16	3/16	.015	--	--	--
THSSSTD1/4	1/4	.025	THSS1/4	1/4	.093
THSSSTD5/16	5/16	.032	THSS5/16	5/16	.110
THSSSTD3/8	3/8	.062	THSS3/8	3/8	.220
THSSSTD1/2	1/2	.093	THSS1/2	1/2	.250
THSSSTD5/8	5/8	.190	THSS5/8	5/8	.680
THSSSTD3/4	3/4	.320	THSS3/4	3/4	1.25
THSSSTD1	1	--	THSS1	1"	2.25

What makes the “stainless” in stainless steel?

Adding chromium to low carbon steel gives the “stainless” property to stainless steel. Stainless steel utilizes an oxide film on the surface to protect oxidation by combining chromium with oxygen in the atmosphere to form a self-repairing passive film. The table below is a partial list of the primary materials that make up stainless steel.

Material	AISI 304	AISI 316	Factor
Iron (Fe)	70%	70%	The bulk of the material
Carbon (C)	< / = 0.08%	< / = 0.08%	Controls hardness
Chromium (Cr)	18 - 21%	18 - 21%	Corrosion resistance
Molybdenum (Mo)	---	2 - 3%	Additional corrosion resistance
Nickel (Ni)	8 - 11%	9 - 12%	Softens metal for ease of process

SS Screw Pin Anchor Shackle T316



Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SPASS1/4	1/4	5/16	1,000	.12
SPASS5/16	5/16	3/8	1,500	.18
SPASS3/8	3/8	7/16	2,000	.31
SPASS7/16	7/16	1/2	3,000	.48
SPASS1/2	1/2	5/8	4,000	.68
SPASS5/8	5/8	3/4	6,500	1.25
SPASS3/4	3/4	7/8	9,500	2.25
SPASS7/8	7/8	1"	12,000	3.30
SPASS1	1"	1-1/8	14,000	4.80

SS Screw Pin Chain Shackle T316



Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SPCSS1/4	1/4	5/16	1,000	.12
SPCSS5/16	5/16	3/8	1,500	.18
SPCSS3/8	3/8	7/16	2,000	.31
SPCSS7/16	7/16	1/2	3,000	.48
SPCSS1/2	1/2	5/8	4,000	.68
SPCSS5/8	5/8	3/4	6,500	1.25
SPCSS3/4	3/4	7/8	9,500	2.25
SPCSS7/8	7/8	1"	12,000	3.30
SPCSS1	1"	1-1/8	14,000	4.80

SS Bolt Type Anchor Shackle T316



Part #	Size (in)	Pin Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SFTYASS1/4	1/4	5/16	1,000	.12
SFTYASS5/16	5/16	3/8	1,500	.18
SFTYASS3/8	3/8	7/16	2,000	.31
SFTYASS7/16	7/16	1/2	3,000	.48
SFTYASS1/2	1/2	5/8	4,000	.68
SFTYASS5/8	5/8	3/4	6,500	1.25
SFTYASS3/4	3/4	7/8	9,500	2.25
SFTYASS7/8	7/8	1"	12,000	3.30
SFTYASS1	1"	1-1/8	14,000	4.80

SS Eye & Eye Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBEES1/4X4	1/4 X 4	352	0.418
TBEES5/16X4.1/2	5/16 X 4-1/2	550	0.594
TBEES3/8X6	3/8 X 6	880	0.792
TBEES1/2X6	1/2 X 6	1,540	1.606
TBEES5/8X6	5/8 X 6	2,464	2.750
TBEES3/4X6	3/4 X 6	3,520	3.894

SS Jaw & Eye Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJES1/4X4	1/4 X 4	352	0.462
TBJES5/16X4.1/2	5/16 X 4-1/2	550	0.660
TBJES3/8X6	3/8 X 6	880	0.836
TBJES1/2X6	1/2 X 6	1,540	1.650
TBJES5/8X6	5/8 X 6	2,464	2.794
TBJES3/4X6	3/4 X 6	3,520	3.240

SS Jaw & Jaw Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJJS1/4X4	1/4 X 4	352	0.528
TBJJS5/16X4.1/2	5/16 X 4-1/2	550	0.726
TBJJS3/8X6	3/8 X 6	880	0.880
TBJJS1/2X6	1/2 X 6	1,540	1.738
TBJJS5/8X6	5/8 X 6	2,464	3.036
TBJJS3/4X6	3/4 X 6	3,520	4.750

SS Eye & Eye Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBEES1/4X4F	1/4 X 3.6	770	0.19
TBEES5/16X4.1/2F	5/16 X 4.8	1,210	0.38
TBEES3/8X6F	3/8 X 6	1,700	0.59
TBEES1/2X6F	1/2 X 8	2,425	1.34
TBEES5/8X6F	5/8 X 10	4,410	2.50
TBEES3/4X6F	3/4 X 12	5,780	4.41

SS Jaw & Eye Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJES1/4X4F	1/4 X 3.6	770	0.21
TBJES5/16X4.1/2F	5/16 X 4.8	1,210	0.41
TBJES3/8X6F	3/8 X 6	1,700	0.67
TBJES1/2X6F	1/2 X 8	2,425	1.46
TBJES5/8X6F	5/8 X 10	4,410	2.74
TBJES3/4X6F	3/4 X 12	5,780	4.73

SS Jaw & Jaw Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJJS1/4X4F	1/4 X 3.6	770	0.21
TBJJS5/16X4.1/2F	5/16 X 4.8	1,210	0.43
TBJJS3/8X6F	3/8 X 6	1,700	0.74
TBJJS1/2X6F	1/2 X 8	2,425	1.39
TBJJS5/8X6F	5/8 X 10	4,410	3.25
TBJJS3/4X6F	3/4 X 12	5,780	5.65

SS Lifting Eye Bolt w/Nut T316



Part #	Thread Pitch (in)	Shank Length (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
EBSSL1/4-1	1/4-20	1-9/16	9/16	500	.08
EBSSL1/4-2	1/4-20	2-5/16	9/16	500	.09
EBSSL1/4-3	1/4-20	3-1/8	9/16	500	.09
EBSSL1/4-4	1/4-20	4	9/16	500	.10
EBSSL5/16-1	5/16-18	2-5/16	3/4	900	.16
EBSSL5/16-2	5/16-18	3-1/8	3/4	900	.17
EBSSL5/16-3	5/16-18	4	3/4	900	.19
EBSSL5/16-4	5/16-18	4-3/4	3/4	900	.21
EBSSL3/8-1	3/8-16	3-1/8	1	1,400	.31
EBSSL3/8-2	3/8-16	4	1	1,400	.32
EBSSL3/8-3	3/8-16	4-3/4	1	1,400	.34
EBSSL1/2-1	1/2-13	4	1-5/32	2,200	.54
EBSSL1/2-2	1/2-13	4-3/4	1-5/32	2,200	.60

SS Machinery Eye Bolt w/Nut T316



Part #	Thread Pitch (in)	Shank Length (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
EBMSS1/4	1/4-20	1/2	5/8	400	.05
EBMSS5/16	5/16-18	5/8	3/4	800	.07
EBMSS3/8	3/8-16	3/4	1	1,350	.14
EBMSS1/2	1/2-13	1	1-1/4	2,100	.30
EBMSS5/8	5/8-11	1-1/8	1-3/8	3,800	.45
EBMSS3/4	3/4-10	1-5/16	1-9/16	6,200	.80

SS Eye Nut T316



Part #	Thread Pitch (in)	Eye Diameter (in)	Working Load Limit (lbs)	Weight Ea (lbs)
ENSS1/4	1/4-20	5/8	400	.05
ENSS5/16	5/16-18	3/4	800	.07
ENSS3/8	3/8-16	1	1,350	.14
ENSS1/2	1/2-13	1-1/4	2,100	.30
ENSS5/8	5/8-11	1-3/8	3,800	.45
ENSS3/4	3/4-10	1-9/16	6,200	.80

SS Eye & Eye Swivel T316



Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLEESS1/4	1/4	2.60	660	0.13
SWVLEESS5/16	5/16	3.54	1,045	0.24
SWVLEESS3/8	3/8	4.53	1,923	0.42
SWVLEESS1/2	1/2	5.75	2,750	1.28
SWVLEESS5/8	5/8	7.40	4,675	2.30

SS Jaw & Eye Swivel T316



Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLJESS1/4	1/4	2.60	660	0.15
SWVLJESS5/16	5/16	3.54	1,045	0.31
SWVLJESS3/8	3/8	4.53	1,923	0.65
SWVLJESS1/2	1/2	5.75	2,750	1.28
SWVLJESS5/8	5/8	7.40	4,675	2.80

SS Jaw & Jaw Swivel T316



Part #	Trade Size (in)	Overall Length (in)	Working Load Limit (lbs)	Weight Ea (lbs)
SWVLJJSS1/4	1/4	2.60	660	0.15
SWVLJJSS5/16	5/16	3.54	1,045	0.35
SWVLJJSS3/8	3/8	4.53	1,923	0.70
SWVLJJSS1/2	1/2	5.75	2,750	1.39
SWVLJJSS5/8	5/8	7.40	4,675	2.90

SS Quick Link T316



Part #	Trade Size (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKQSS1/8	1/8	275	.03
LNKQSS3/16	3/16	400	.05
LNKQSS1/4	1/4	880	.08
LNKQSS5/16	5/16	1,700	.18
LNKQSS3/8	3/8	2,100	.30
LNKQSS1/2	1/2	2,500	.52

SS Spring Snap Link T316



Part #	Trade Size (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKSPGSS1/8	1/8	80	.03
LNKSPGSS3/16	3/16	120	.04
LNKSPGSS1/4	1/4	180	.06
LNKSPGSS5/16	5/16	280	.15
LNKSPGSS3/8	3/8	400	.27
LNKSPGSS1/2	1/2	900	.78

Stainless Steel Chain T316



Chain Size (in)	Working Load Limit (lbs)	Minimum Breaking Strength (lbs)	Minimum Inside Width (in)	Maximum Inside Length (in)	Approx Weight per 100 ft (lbs)
1/8	500	2,000	0.25	0.94	25
3/16	930	3,730	0.30	0.98	42
1/4	1,570	6,280	0.30	1.24	65
5/16	2,400	9,600	0.38	1.29	86
3/8	3,550	14,200	0.55	1.38	140
1/2	6,500	26,000	0.62	1.79	260
5/8	9,800	39,200	0.79	2.20	358
3/4	15,000	60,000	0.98	2.85	560

Made with high percentages of nickel, chrome and molybdenum
Not for Overhead Lifting

HS-12-120V Electric Swager w/Hydraulic Function



- Size Range: 1/4", 5/16", 3/8, 13/32", 1/2"
- Swaging Speed: 4 seconds
- Output Pressure: 11tonf
- Double insulated construction reduces the risk of electric shock
- Adjustable Head: turns 180 degrees
- Weighs just 15 Lbs

Carrying Case Includes

- RC-450 Wire Rope Cutter
- Set of 5 Dies
- Go / Nogo Gage
- Ergonomic Shoulder Strap
- Screwdriver
- Operating Instruction



HS-12-C Cordless Swager w/Hydraulic Function



- Size Range: 1/4", 5/16", 3/8, 13/32", 1/2"
- Swaging Speed: 7 seconds
- Output Pressure: 10tonf
- Adjustable Head: turns 180 degrees
- Weighs just 14.2 Lbs

Carrying Case Includes

- RC-450 Wire Rope Cutter
- Set of 5 Dies
- Go / Nogo Gage
- Shoulder Strap
- Screwdriver
- Battery Charger
- An Extra NiCad Battery
- Operating Instruction



HC1.1/8/Hydraulic Wire Rope Cutter



- Cuts Up to 1-1/8 Wire Rope
- Replacement Parts Available

Single Cavity Swaging Tool



3/8"

Multi Cavity Swaging Tools



1/16"
through
5/16"



RC Type Cutters

Part #	Length (in)	Cutting Capacity (in)	Approx. Weight Ea (lbs)
RC-8	6.4	1/8	.66
RC-450	15.4	1/2	3.3
RC-800	26.2	5/8	8.6



WR Type Cutters

Part #	Length (in)	Cutting Capacity (in)	Approx. Weight Ea (lbs)
WR-6	12	1/4	2.0
WR-10	20	3/8	5.0
WR-14	24	9/16	8.0
WR-16	30	5/8	12.0
WR-20	35	3/4	18.0



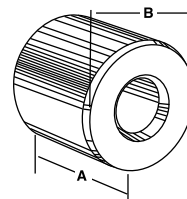
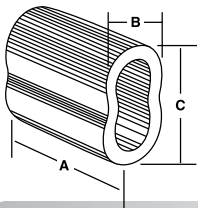
HSC Type Cutters/Swagers

Part #	Length (in)	Size Range (in)	Approx. Weight Ea (lbs)
HSC-350	12.5	1/16 - 1/8	2.5
HSC-600	21.3	1/16 - 3/16	5.5
HSC-600BB	17.7	1/16 - 3/16	11.4



Swage Sleeves

- Zinc Plated
- Zinc Plated Copper
- Aluminum

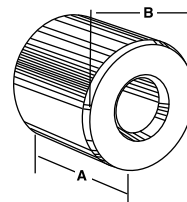
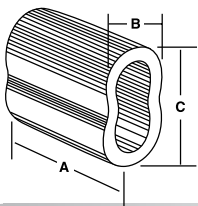


Copper Oval Sleeves Includes Zinc Plated

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)		
		A	B	C
1/32	.05	0.248"	0.086"	0.129"
3/64	.17	0.390	0.134	0.201
1/16	.26	0.390	0.170	0.251
3/32	.53	0.400	0.224	0.369
1/8	1.57	0.575	0.324	0.429
5/32	2.24	0.625	0.365	0.592
3/16	5.12	1.000	0.449	0.671
7/32	4.45	0.875	0.461	0.713
1/4	7.87	1.138	0.515	0.810
5/16	11.55	1.125	0.665	1.010
3/8	14.76	1.312	0.727	1.110
1/2	37.70	1.900	0.965	1.480

Copper Stop Sleeves

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)	
		A	B
3/64	.14	0.218"	0.203"
1/16	.19	0.218	0.203"
3/32	.78	0.328	0.328
1/8	.70	0.328	0.328
5/32	1.18	0.328	0.422
3/16	1.06	0.328	0.422
1/4	6.10	0.703	0.650
5/16	5.25	0.703	0.650



Aluminum Oval Sleeves

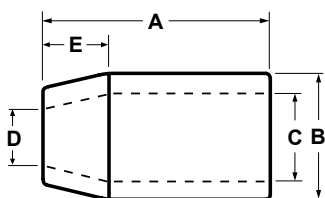
For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)		
		A	B	C
3/64	0.05	0.375"	0.133"	0.198"
1/16	0.09	0.375	0.172	0.250
3/32	0.32	0.500	0.281	0.406
1/8	0.64	0.625	0.344	0.500
5/32	0.80	0.688	0.375	0.562
3/16	1.55	0.688	0.375	0.562
7/32	2.22	1.060	0.500	0.750
1/4	2.52	1.125	0.536	0.812
5/16	4.50	1.250	0.687	1.032
3/8	6.07	1.438	0.750	1.156
1/2	17.60	2.000	1.060	1.625

Aluminum Stop Sleeves

For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)	
		A	B
1/16	0.060	0.156"	0.250"
3/32	0.250	0.313	0.344
1/8	0.210	0.313	0.344
5/32	0.420	0.344	0.438
3/16	0.390	0.344	0.438
1/4	0.204	0.688	0.688

Manufactured by "Wirop"

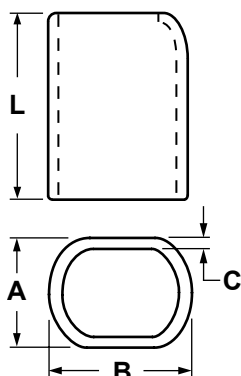
Carbon Flemish Sleeves Zinc Plated



Wire Rope Size (in)	Weight 100 pcs (kg)	Dimension (inch)					Max. After Swage Dimensions (inch)
		A	B	D	E	C	
1/4"	2.27	1	0.66	0.31	0.28	0.47	0.57
5/16"	6.36	1.5	0.91	0.38	0.44	0.62	0.75
3/8"	6.36	1.5	0.91	0.47	0.39	0.66	0.75
7/16"	15	2	1.22	0.53	0.65	0.85	1.01
1/2"	13	2	1.22	0.63	0.56	0.91	1.01
9/16"	29	2.75	1.47	0.7	0.63	1.03	1.24
5/8"	26	2.75	1.47	0.75	0.63	1.09	1.24
3/4"	40	3.19	1.72	0.91	0.84	1.28	1.46
7/8"	60	3.56	2.03	1.03	1	1.53	1.68
1 "	89	4	2.28	1.16	1.13	1.72	1.93
1- 1/8"	118	4.81	2.5	1.28	1.25	1.94	2.13
1- 1/4"	161	5.19	2.78	1.44	1.41	2.16	2.32
1- 3/8"	192	5.81	3	1.56	1.56	2.38	2.52
1- 1/2"	227	6.25	3.25	1.69	1.69	2.63	2.71
1-3/4"	366	7.25	3.84	1.94	1.97	3.13	3.1
2"	514	8.5	4.38	2.25	2.25	3.63	3.56
2- 1/4"	879	9.56	5.03	2.5	2.53	4.03	4.12
2-1/2"	1068	10.5	5.5	2.75	2.81	4.5	4.5

• All sleeves stamped with batch identification for easy traceability.

SS Duplex Sleeves



Wire Rope Size (in)	Weight 100 pcs (lbs)	Dimensions (in)				Max. after swage Dimensions (inch)
		L	A	B	C	
3/8"	18	1.74	.811	1.13	.157	.76
7/16"	38	2.02	1.04	1.40	.257	1.01
1/2"	31	1.99	.960	1.44	.177	1.01
9/16"	58	2.24	1.22	1.72	.248	1.27
5/8"	59	2.37	1.23	1.81	.224	1.27
3/4"	99	3.04	1.44	2.08	.240	1.53
7/8"	140	3.27	1.63	2.46	.299	1.76
1"	215	3.35	1.86	2.84	.335	2.04

Steel swage sleeves are recommended to be used with 6X19 and 6X37 class IPS, EIPS, FC or IWRC wire rope. If using any other type of construction or grade of wire rope, it is recommended to make a breaking load test of the swaged termination to prove the adequacy of the assembly to be manufactured.



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47



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