

LANDMANN

WIRE ROPE PRODUCTS



industrial

mining

fishing

logging

marine

construction

automotive



carbon steel
stainless steel
alloy steel

2020





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 over 150 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 and China. Within the wire rope category, we carry diameters from 3/64" to 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, Vacaville, California and Fife, WA. We also have a location in the Midwest 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. Therefore we have secured the following trademarks. This will ensure you and your customers will receive the highest quality products.

BLUE & PURPLE STRAND™
ORANGE & PURPLE STRAND™
RED & PURPLE STRAND®
RED & SILVER STRAND™
IMPACT® PRODUCTS

PRECISION FORMED™ HARDWARE
PURPLE PIN® SHACKLES
NEON GREEN PIN® SHACKLES
CINCH RITE® CARGO CONTROL





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



Warnings and Definitions



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**



Table of Contents



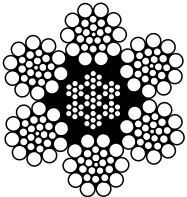
Page

6	General Purpose Wire Rope - 6X19 / 6X37 Clas
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 - 7X7, 7X19 Uncoated & 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, Hook & Eye
20	Turnbuckles Bodies, Stub End Turnbuckles, G80 Alloy Coupling Links
21	Weldless Links - Master Links, Pear Links, Round Rings
22	Hoist Hooks - Eye Hoist, Swivel Hoist, Sorting Hooks
23	Hooks - G80 & G100 Self-Locking Hooks
24	Hooks - G100 Chain Hooks & G100 Alloy Coupling Links
25	Chain Hooks - Clevis Grab, Eye Grab, Clevis Slip, Eye Slip
26	Eye Bolts - Shoulder Nut, Machinery Lifting Eyes
27	Eye Bolts - Regular Nut, Eye Nuts
28	Swivels - Eye & Eye, Jaw & Eye
29	Snatch Blocks - Drop Side, Yarding
30	Logging - Hooks, Trap Staples
31	Logging - Hammerhead Rafting Dogs, Ferrules
32	Chain Links
33	Welded Chain - Proof Coil, High Test
34	Welded Chain - Transport, Alloy
35	Load Binders - Lever, Ratchet
36	Binder Chains - Grade 70, Grade 43
37	Cargo Control - Truck Winches, Winch Straps, Ratchet Assemblies, Winch Bars
38	Stainless Steel Cable, Strand, Wire Rope
39	Stainless Steel Shackles - Screw Pin Anchor, Screw Pin Chain, Bolt Type Anchor
40	Stainless Steel Wire Rope Clips & Thimbles
41	Stainless Steel Turnbuckles - Hex Body Type, Eye & Eye, Jaw & Eye, Jaw & Jaw
42	Stainless Steel Eye Bolts, Eye Nuts
43	Stainless Steel Swivels - Eye & Eye, Jaw & Eye, Jaw & Jaw
44	Stainless Steel Quick Links, Spring Snap Links, Chain
45	Cutters & Swagers
46	Cutters & Swagers
47	Swage Sleeves - Aluminum, Copper, Zinc Plated Copper
48	Steel Swage Sleeves - Carbon Flemish, SS Duplex
49	Synthetic Slings - Round, Flat Web

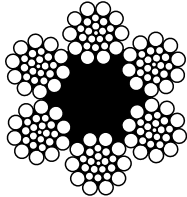
General Purpose Wire Rope



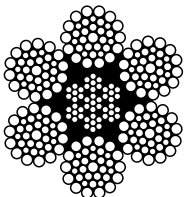
All wire rope is manufactured in accordance with International Standard ASTM A 1023



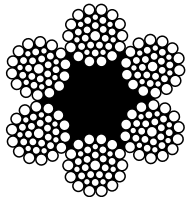
6 X 26WS IWRC



6 X 26WS FC



6 X 36WS IWRC

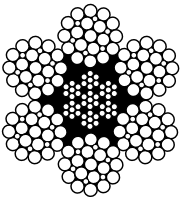


6 X 36WS FC

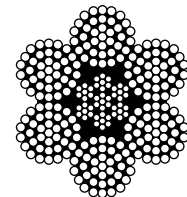
Larger Diameters Available!

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

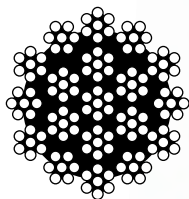
EIPS - Extra Improved Plow Steel

6X19/37 Class Bright Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			IPS		EIPS	
	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

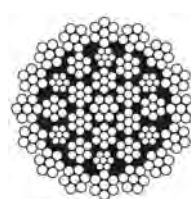
6X19/37 Class Galvanized Wire Rope

Size (in)	Approx. Wt per ft (lbs)		Nominal Breaking Load (lbs)			
			IPS		EIPS	
	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



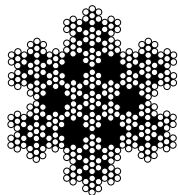
19X7 Non-Rotating

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)	
		IPS	EIPS
1/4	0.11	5,020	5,540
5/16	0.18	7,800	8,600
3/8	0.22	11,180	12,300
7/16	0.26	15,160	16,600
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



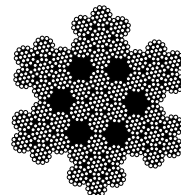
35X7 Rotation Resistant

Size (in)	Approx. Wt per ft (lbs)	Nominal Breaking Load (lbs)	
		1960 Grade	2160 Grade
3/8	0.28	14,920	16,440
7/16	0.38	20,200	22,400
1/2	0.49	27,200	29,200
9/16	0.62	34,600	37,000
5/8	0.77	43,400	45,600
3/4	1.11	61,800	65,800
7/8	1.51	83,200	89,400
1	1.97	108,800	116,800
1-1/8	2.50	137,800	147,800
1-1/4	3.08	172,000	182,600
1-3/8	3.73	212,000	220,000
1-1/2	4.44	240,000	262,000



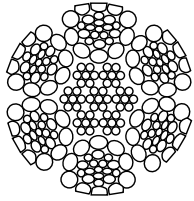
7X7X7 Galvanized Cablelaid

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



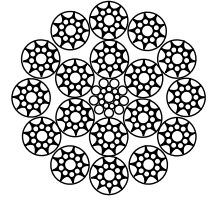
7X7X19 Galvanized Cablelaid

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



IMPACT® Swaged offers you

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

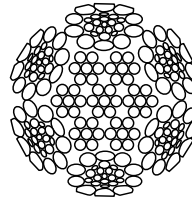


6X26 IWRC Impact® Swaged

Size (in)	Approx Wt (lbs/ft)	Breaking Strength (lbs)	
		IPS	EIPS
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)	
		IPS	EIPS
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)	
		IPS	EIPS		IPS	EIPS
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	31,000	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	65,000	74,800
3/4	1.25	60,900	69,000	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	124,000	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

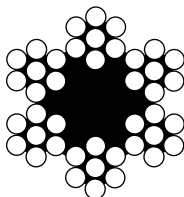
- Higher Strength than Standard Ropes
- Greater Durability
- Longer Service
- Resistant to Drum Crushing



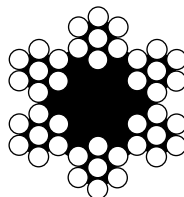
6X7 Sand Line

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

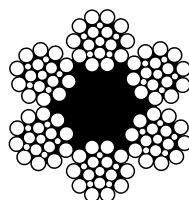
Galvanized, Heavy Lube, Fiber Core

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

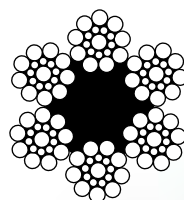
6X21 Drill Line

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

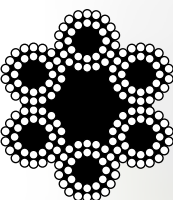
Galvanized, Heavy Lube, Fiber Core

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

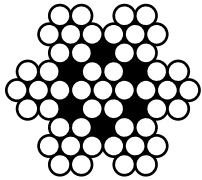


Galvanized Cable

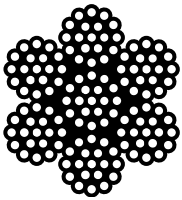


All cable is manufactured in accordance with
International Standard ASTM A 1023

Galvanized Cable



7 X 7

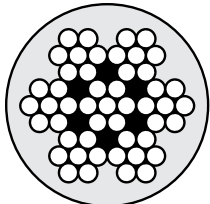


7 X 19

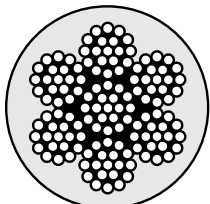
**Nylon Coating
Available !**

CONSTRUCTION	7 X 7		7 X 19	
Diameter (in.)	Breaking Strength (lbs)	Weight per 1000 ft (lbs)	Breaking Strength (lbs)	Weight per 1000ft (lbs)
3/64	270	4.2	---	---
1/16	480	7.5	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	4,800	83	5,600	86
1/4	6,100	105	7,000	110
5/16	9,200	167	9,800	173
3/8	13,100	236	14,400	243
7/16	---	---	19,500	360

PVC Coated Galvanized Cable



7 X 7

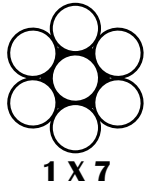
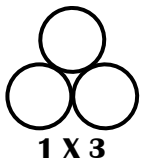


7 X 19

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

Other cable and coating sizes available upon request

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

Wire Rope Clips



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	34 in-lbs	3-1/4	6
3/16	2	66 in-lbs	3-3/4	10
1/4	2	12	4-3/4	18
5/16	2	18.5	5-1/4	30
3/8	2	25	6-1/2	47
7/16	2	35	7	76
1/2	3	35	11-1/2	80
9/16	3	50	12	104
5/8	3	50	12	106
3/4	4	100	18	150
7/8	4	140	19	212
1"	5	140	26	260
1-1/8	6	140	34	290
1-1/4	7	275	44	430
1-3/8	7	275	44	460
1-1/2	8	275	54	540
1-5/8	8	420	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

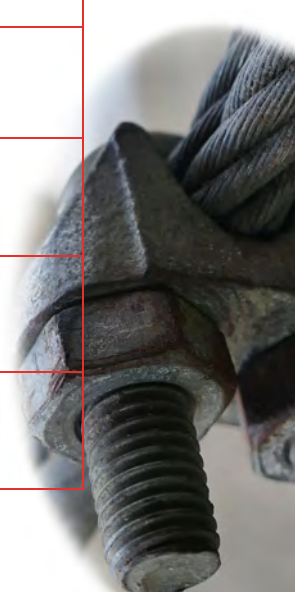
* 1/8" & 3/16" torque is in inch-lbs. All other sizes in foot-lbs.

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
1/16	3	2	4	3.5
1/8	3	2	4-3/4	3.8
3/16	3	2.67	5-1/2	6.3
1/4	3	12	7	11.8
5/16	3	12	7-3/4	13
3/8	3	18.5	9-1/2	23
7/16	4	18.5	10-1/4	23
1/2	4	25	15-1/2	38
9/16	4	35	16	44
5/8	4	35	16	57
3/4	5	50	22-1/4	78
7/8	5	100	23-1/2	120
1"	6	100	31	150
1-1/8	7	140	39	263
1-1/4	8	140	50	315

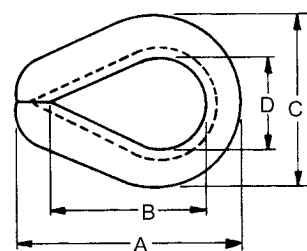


Wire Rope Thimbles



Heavy Duty Thimbles Hot Dipped Galvanized

Rope Diameter	Weight Each (lbs)	Dimensions			
		A	B	C	D
1/4	.07	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	1.58	5.00	3.75	3.81	2.00
7/8	1.77	5.50	4.25	4.25	2.25
1"	3.13	6.12	4.50	4.75	2.50
1-1/8 - 1-1/4	4.00	7.00	5.12	5.88	2.88
1-1/4 - 1-3/8	8.86	9.08	6.50	6.81	3.50
1-3/8 - 1-1/2	12.94	9.00	6.25	7.12	3.50
1-5/8	17.00	11.25	8.00	8.12	4.00
1-3/4	17.75	12.19	9.00	8.50	4.50
1-7/8 - 2"	27.75	15.12	12.00	10.38	6.00
2-1/4	39.50	17.50	14.00	11.88	7.00
2-1/2	60.50	18.40	16.75	11.78	8.00

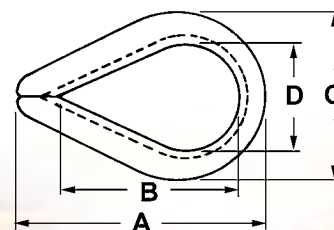


Meets Federal Spec
FF-T-276b, Type III

Standard Thimbles Hot Dipped Galvanized & Zinc Plated

Rope Diameter (in)	Weight per 100 pcs (lbs)	Dimensions			
		A	B	C	D
1/8	3.50	1.94	1.31	1.06	.69
3/16	3.50	1.94	1.31	1.06	.69
1/4	3.50	1.94	1.31	1.06	.69
5/16	4.00	2.13	1.50	1.25	.81
3/8	6.70	2.38	1.63	1.47	.94
7/16	11.40	2.47	1.71	1.62	1.03
1/2	12.50	2.75	1.88	1.75	1.13
5/8	34.50	3.50	2.25	2.38	1.38
3/4	47.10	3.75	2.50	2.69	1.63
7/8	84.60	5.00	3.50	3.19	1.88
1	97.50	5.69	4.25	3.75	2.50
1-1/8 - 1-1/4	175.00	6.25	4.50	4.31	2.75

See These In Our
Stainless Steel
Section



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

Anchor Shackles



- Forged Carbon Steel Bodies
- Alloy Pins
- Heat Treated

Purple Pin™ Shackles



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

See These In Our
Stainless Steel
Section

Screw Pin Anchor Shackles Hot Dipped Galvanized

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
2-1/2	2-3/4	4-1/8	7-1/4	55	85.75

Shackle pins come hot-dipped galvanized or colored
Colored shackle pins are powder coated over zinc plating

Bolt Type Anchor Shackles Hot Dipped Galvanized

Neon Green Pin™ Shackles



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



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

**See These In Our
Stainless Steel
Section**

Screw Pin Chain Shackles Hot Dipped Galvanized

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

Shackle pins come hot-dipped galvanized or colored
Colored shackle pins are powder coated over zinc plating

Bolt Type Chain Shackles Hot Dipped Galvanized



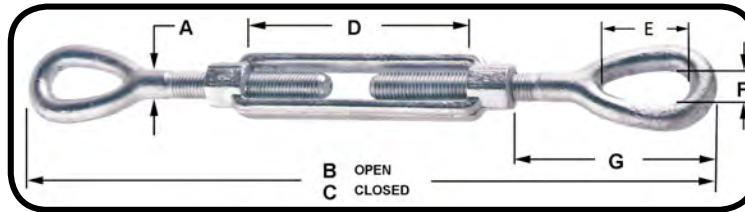
Meets Federal Spec
RR-C-271d, Type IV B
Grade A, Class 3

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

Turnbuckles



- 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

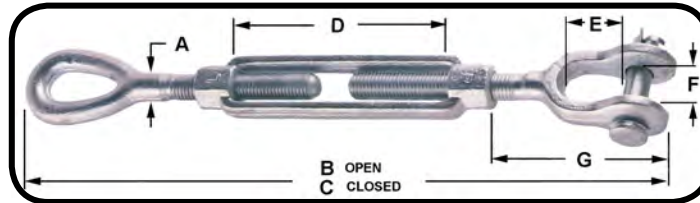
Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	500	0.30	0.25	12.25	8.25	4.00	0.78	0.34	1.75
5/16 X 4 1/2	800	0.47	0.31	14.12	9.62	4.50	0.94	0.44	2.09
3/8 X 6	1,200	0.75	0.38	18.16	12.16	6.00	1.12	0.53	2.52
1/2 X 6	2,200	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 8

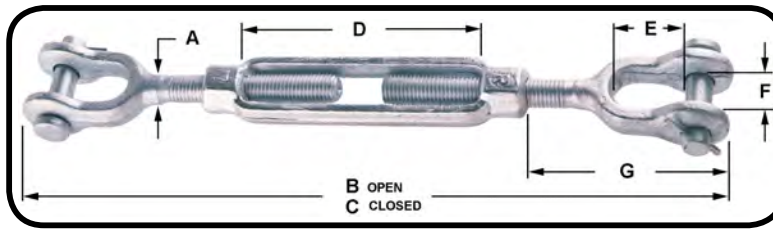
Jaw & Eye Turnbuckles Hot Dipped Galvanized

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

Turnbuckles



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



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

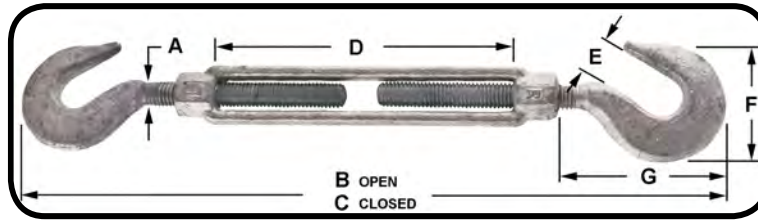
See These In Our
Stainless Steel
Section

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

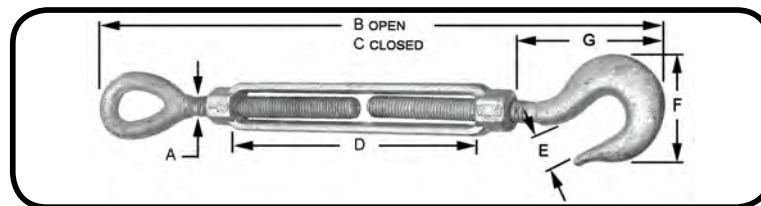
- Drop Forged C1035 Steel
- Heavy Hex Body
- 5:1 Safety Factor



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 6

Hook & Eye Turnbuckles Hot Dipped Galvanized

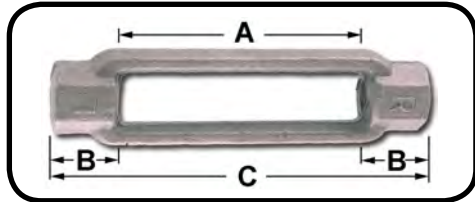
Thread Dia X Take Up	Working Load Limit (lbs)	Weight Each (lbs)	Dimensions (in)						
			A	B Open	C Closed	D	E	F	G Closed
1/4 X 4	400	.33	0.25	12.29	8.29	4.00	.45	1.27	1.75
5/16 X 4 1/2	700	.54	0.31	14.28	9.78	4.50	.50	1.50	2.09
3/8 X 6	1,000	.73	0.38	18.04	12.04	6.00	.56	1.77	2.52
1/2 X 6	1,500	1.42	0.50	20.79	14.79	6.00	.66	2.28	3.23
1/2 X 12	1,500	2.05	0.50	33.08	21.08	12.00	.66	2.28	3.23
5/8 X 6	2,250	2.65	0.63	22.61	16.61	6.00	.90	2.81	3.90
5/8 X 12	2,250	3.33	0.63	34.95	22.95	12.00	.90	2.81	3.90
3/4 X 6	3,000	3.57	0.75	24.45	18.45	6.00	.98	3.33	4.69
3/4 X 12	3,000	5.34	0.75	36.85	24.85	12.00	.98	3.33	4.69

Bodies, Stub Ends & Links



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

Turnbuckle Bodies Self Colored and Galvanized



Meets Federal Spec FF-T-791b,
Type 1, Form 1, Class 2

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

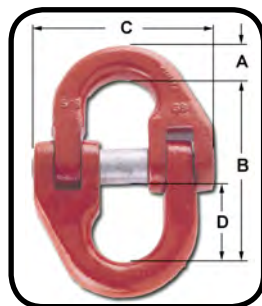


Meets Federal Spec FF-T-791b, Type 1, Form 1, Class 3

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
1-1/4 X 6	15,200	14.00	1.25	6.00	9.13	20.00	5.44

G-80 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	1.90	.66
5/16	.67	4,500	.36	2.18	2.07	.69
3/8	.76	7,100	.45	2.53	2.47	.88
1/2	1.06	12,000	.64	3.44	3.31	1.13
5/8	2.43	18,100	.75	4.13	3.90	1.41
3/4	4.20	28,300	.93	4.92	4.62	1.63

Designed for use with Grade 80 chain

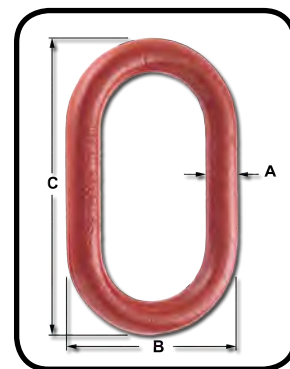
Forged Weldless Links

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



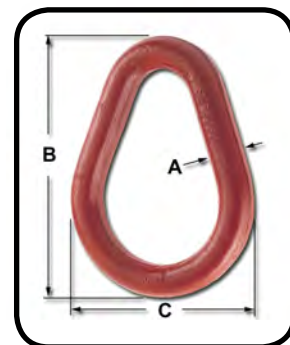
Oblong Master Links Alloy Steel

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



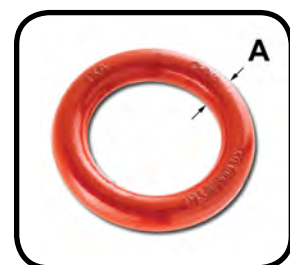
Pear Shaped Sling Links Carbon & Alloy Steel

Size "A" (in)	WLL Carbon (lbs)	WLL Alloy (lbs)	Weight Each (lbs)	Dimensions (in.)	
				B	C
3/8	1,800	---	.23	2.25	1.50
1/2	2,900	7,000	.55	3.00	2.00
5/8	4,200	9,000	1.06	3.75	2.50
3/4	6,000	12,300	1.88	4.50	3.00
7/8	8,300	14,000	2.75	5.25	3.50
1	10,800	24,300	4.35	6.00	4.00
1-1/4	16,750	36,000	7.60	7.75	5.00
1-3/8	20,500	---	11.30	8.25	5.50



Round Rings Carbon Steel

Size "A" (in)	Working Load Limit (lbs)	Weight Each (lbs)	Inside Diameter (in)
5/8 x 3	3,300	0.95	3.00
3/4 x 4	5,600	1.68	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



Eye Hoist Hooks Painted



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
5	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

Latch Kits Available and Sold Separately

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
5	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

Overhead Lifting Self-Locking Hooks



G-80 Swivel Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKSWVL7-8MMG80	5/16	4,400	2.75
HKSWVL10MMG80	3/8	6,930	4.40
HKSWVL13MMG80	1/2	11,660	8.80
HKSWVL16MMG80	5/8	17,600	17.16



G-100 Swivel Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKSWVL7-8MMG100	5/16	5,500	2.75
HKSWVL10MMG100	3/8	8,800	4.40
HKSWVL13MMG100	1/2	14,740	8.80
HKSWVL16MMG100	5/8	22,200	17.16

- **G-100 Hooks meet European Standard DIN EN818**



G-100 Clevis Self Locking Hooks

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCSL7-8MMG100	5/16	5,500	1.98
HKCSL10MMG100	3/8	8,800	3.52
HKCSL13MMG100	1/2	14,740	6.38
HKCSL16MMG100	5/8	22,200	12.76

- **G-100 Hooks meet European Standard DIN EN818**





G-100 Clevis Grab Hooks w/Cradle

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCG1/4G100C	1/4	3,080	.484
HKCG5/16G100C	5/16	5,500	.748
HKCG3/8G100C	3/8	8,800	1.80
HKCG1/2G100C	1/2	14,740	3.85

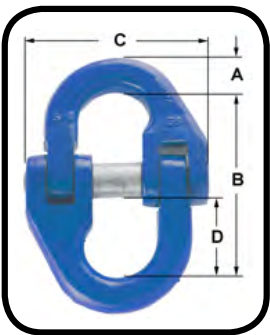
- **G-100 Hooks meet European Standard DIN EN818**



G-100 Clevis Slip Hooks w/Latch

Part #	Chain Size (in)	Working Load Limit (lbs)	Weight Each (lbs)
HKCS1/4G100C	1/4	3,080	.726
HKCS5/16G100C	5/16	5,500	1.54
HKCS3/8G100C	3/8	8,800	2.86
HKCS1/2G100C	1/2	14,740	5.06

- **G-100 Hooks meet European Standard DIN EN818**



G-100 Alloy Coupling Links

Chain Size (in)	Weight Each (lbs)	Working Load Limit (lbs)	Dimensions (in.)			
			A	B	C	D
9/32 (1/4)	.29	3,080	.36	1.88	1.90	.66
5/16	.67	5,500	.36	2.18	2.07	.69
3/8	.76	8,800	.45	2.53	2.47	.88
1/2	1.06	14,740	.64	3.44	3.31	1.13
5/8	2.43	22,000	.75	4.13	3.90	1.41
3/4	4.20	73,920	.93	4.92	4.62	1.63

- **G-100 Coupling Links meet European Standard DIN EN818**

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



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 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



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



Eye Bolts



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

Shoulder Nut Eye Bolts Drop Forged, 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 Drop Forged, 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	650	5
5/16 X 1-1/8	22	1.12	.88	1.38	1,200	9
3/8 X 1-1/4	23	1.25	1.00	1.62	1,550	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	2,600	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	5,200	55
3/4 X 2	28	2.00	1.50	2.76	7,200	96
7/8 X 2-1/4	29	2.25	1.75	3.25	10,600	154
1 X 2-1/2	30	2.50	2.00	3.76	13,300	218
1-1/4 X 3	31	3.00	2.50	4.50	21,000	380
1-1/2 X 3-1/2	32	3.50	2.50	5.18	21,000	700

Eye Bolts & Eye Nuts



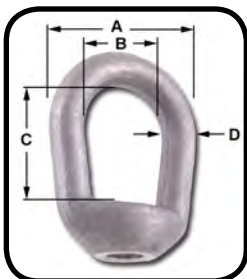
Regular Nut Eye Bolts Drop Forged, Hot Dipped Galvanized



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

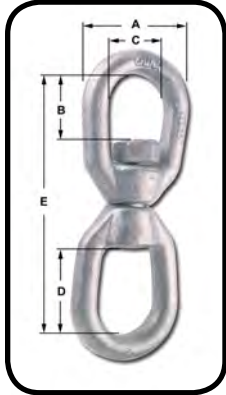
Eye Nuts Drop Forged, HD Galvanized



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.**



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

Eye & Eye Swivels Drop Forged, Hot Dipped Galvanized

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
1-1/4	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 Drop Forged, 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
1-1/4	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
BLK10HK15	10"	15	7/8"	73
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
BLK10SH15	10"	15	7/8"	74
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





Choker Hooks

For Logging Use

Hook Size	Choker Rope Size (in)	Weight Each (lbs)
Micro-Midget	3/8 - 7/16	0.75
Midget	1/2 - 9/16	1.50
Dwarf	9/16 - 5/8	3.00
Bantam	5/8 - 3/4	4.00



Sliding Choker Hooks

Hook Size	Working Load Limit (lbs)	Weight Each (lbs)
3/8	2,500	1.00
1/2	3,800	1.40
5/8	5,800	2.70



Midget Winchline Hook - Sleeve Type

Size Wire Rope (in)	Weight Each (lbs)
1/2 - 9/16	2.08

Offers More Secure Grip of Ferrule



Midget Winchline Hook - Ring Type

Size Wire Rope (in)	Weight Each (lbs)
1/2 - 9/16	2.66

Good for Multiple Chokers on Winchline & Riding Over Slight Kinks



Trap Staples

Galvanized

Size (in)	Weight Each (lbs)
3/8 x 4	.22
3/8 x 5	.28
1/2 x 6	.80



Hammerhead Rafting Dogs

Drop Forged

Size (in)	Weight Each (lbs)
5/8	1



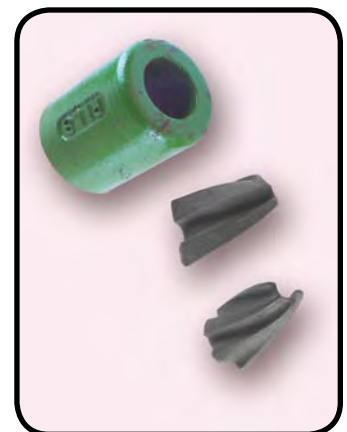
Choker Ferrules

Part #	Rope Size (in)	Die Used	Pieces per Std. Pkg
M-3-P	3/8	MID. Pocket	100
M-7/16-P	7/16	MID. Pocket	100
M-4-P	1/2	MID. Pocket	100
M-9/16-P	9/16	MID. Pocket	100
D-5-P	5/8	DWF. Pocket	50
B-5-P	5/8	BTM. Pocket	40
B-6-P	3/4	BTM. Pocket	40
B-7-P	7/8	BTM. Pocket	40
L-5-P	5/8	1" Open Channel LT. Pocket	25
L-6-P	3/4	1" Open Channel LT. Pocket	25
L-7-P	7/8	1" Open Channel LT. Pocket	25
L-8-P	1	1" Open Channel LT. Pocket	25



Quickway Ferrules

Part #	Color	Rope Size (in)	Die Used	Pieces Per Std. Pge.
M-4	Silver	1/2	Midget	.25
D-4	Cream	1/2	Dwarf	.45
D-5	Pink	5/8	Dwarf	.50
B-4	Brown	1/2	Bantam	.90
B-5	Maroon	5/8	Bantam	.85
B-6	Gray	3/4	Bantam	.75
L-6	White	3/4	Light	1.90
L-7	Black	7/8	Light	1.75
L-8	Green	1	Light	1.60
LJ-7	Red	7/8	Light Jr.	2.40
LJ-8	Blue	1	Light Jr.	2.25
LJ-9	Yellow	1-1/8	Light Jr.	2.20
LJ-10	Orange	1-1/4	Light Jr.	2.00
S-10	Purple	1-1/4	Standard	3.50
S-11	Gold	1-3/8	Standard	3.25



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	220	2	0.188	0.375	1.125
3/16	520	4	0.250	0.500	1.500
1/4	750	8	0.281	0.563	1.750
5/16	1,540	16	0.375	0.688	2.313
3/8	1,800	24	0.438	0.750	2.438
1/2	3,300	56	0.625	0.938	3.133

RoHS compliant Quick Links available

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	200	2	.24	.45	1.27
3/16	220	4	.28	.60	1.61
1/4	260	6	.32	.71	1.94
5/16	500	16	.40	.92	2.56
3/8	770	32	.58	1.20	3.19
1/2	1,200	60	.70	1.55	4.50

RoHS compliant Snap Links available

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

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

- Self Colored
- Zinc Plated
- Hot Dipped Galvanized



Not Designed for Overhead Lifting

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

PAILS



Not Designed for Overhead Lifting

G43 High Test 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)
1/4	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

- Self Colored
- Hot Dipped Galvanized



Not Designed for Overhead Lifting

Welded Chain



- Yellow Zinc
Dichromate Finish

G70 Transport 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)
1/4	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

Not Designed for Overhead Lifting



- Black Finish

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	0.386	0.827	77
5/16	4,500	18,000	0.437	0.945	100
3/8	7,100	28,400	0.555	1.181	155
1/2	12,000	48,000	0.740	1.535	260
5/8	18,100	72,400	0.909	1.900	384

Designed for Overhead Lifting

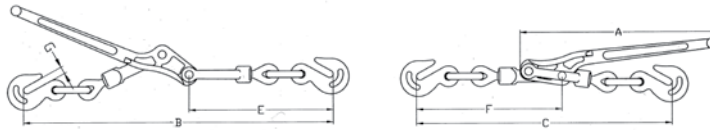


- Powder Coated Green

G100 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	4,300	17,200	0.382	0.827	79
5/16	5,700	22,800	0.437	0.945	100
3/8	8,800	35,200	0.531	1.181	165
1/2	15,000	60,000	0.709	1.535	272
5/8	22,600	90,400	0.878	1.900	404

Designed for Overhead Lifting



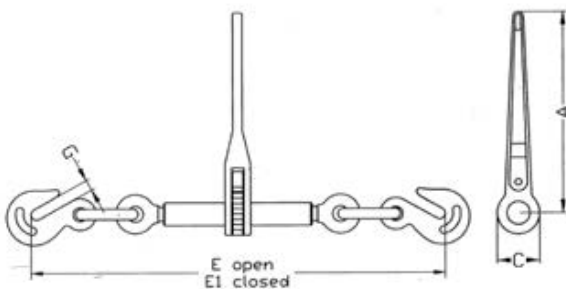
Forged Lever Load Binders Painted

Size	Working Load Limit (lbs)	Maximum Breaking Limit (lbs)	Weight (lbs)	Dimensions (in)					
				A	B	C	E	F	G
1/4	3,150	9,100	3.63	12.05	17.32	14.37	8.46	8.23	0.39
5/16 - 3/8	5,400	19,000	7.93	15.75	23.90	19.80	11.30	11.22	0.50
5/16 - 3/8	6,600	26,400	8.15	15.75	24.49	20.39	11.60	11.52	0.50
3/8 - 1/2	9,200	33,000	12.56	17.36	24.49	27.36	12.80	12.76	0.50



Forged Ratchet Load Binders Painted

Size	Working Load Limit (lbs)	Maximum Breaking Limit (lbs)	Weight (lbs)	Dimensions (in)				
				A	C	E	E1	G
1/4	3,150	9,100	3.68	8.27	1.65	17.52	22.64	0.39
5/16 - 3/8	6,600	26,400	10.56	13.98	2.56	22.95	29.29	0.50
5/16 - 3/8	7,100	26,400	10.56	13.98	2.56	23.54	29.88	0.50
5/16 - 3/8	8,800	26,400	10.95	13.98	2.56	23.54	29.88	0.50
3/8 - 1/2	9,200	33,000	11.24	13.98	2.56	23.74	30.24	0.65
3/8 - 1/2	12,000	45,000	11.69	13.98	2.56	24.45	30.95	0.65
3/8 - 1/2	15,000	45,000	11.69	13.98	2.56	24.45	30.95	0.65
1/2 - 5/8	18,100	54,300	15.83	13.98	2.56	27.17	33.86	0.73



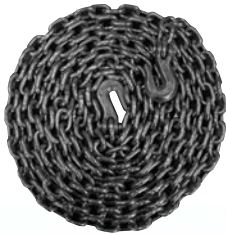


G70 Binder Chains Gold Chromate



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



CINCH RITE®

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



Chrome Combination Winch Bars



Chrome Regular Winch Bars

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' & 2" x 27' Ratchet Strap Assemblies
Breaking Strength: 10,000 Lbs
Working Load Limit: 3,300 Lbs
D.O.T. Approved



1" X 16' Utility Assemblies

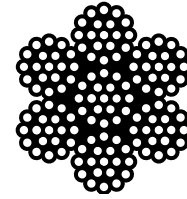
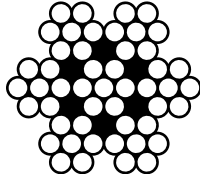


1,000 Lb Working Load Limit

Forged D-Rings w/Weld-on Strap



3/8"
1/2"
5/8"
3/4"
1"

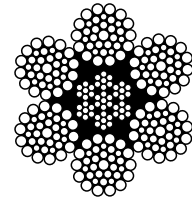
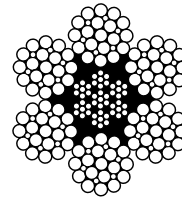
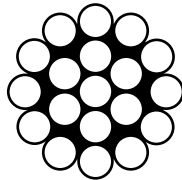


7X7 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.75	480	427
3/32	1.60	920	819
1/8	2.80	1,700	1,566
5/32	4.30	2,400	2,136
3/16	6.20	3,700	3,293
7/32	8.30	5,000	4,450
1/4	10.6	6,400	5,696
5/16	16.7	9,000	8,010
3/8	23.6	12,000	10,680

7X19 Stainless Steel Cable

Diameter (in)	Weight per 100ft (lbs)	Nominal B.S. (lbs)	
		AISI 302,304	AISI 316
1/16	0.75	480	427
3/32	1.74	920	819
1/8	2.90	1,760	1,566
5/32	4.50	2,400	2,136
3/16	6.50	3,700	2,900
7/32	8.60	5,000	4,450
1/4	11.0	6,400	5,696
5/16	17.3	9,000	7,600
3/8	24.3	12,000	11,000

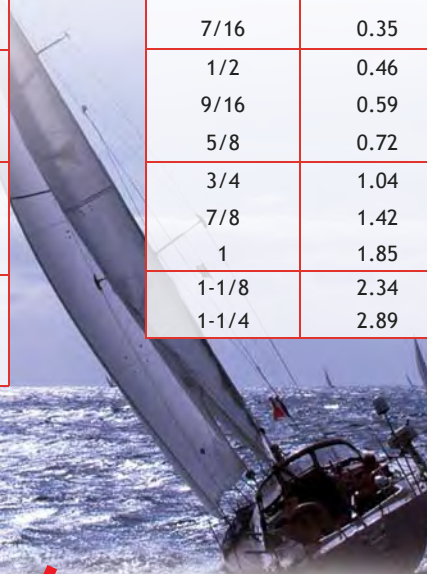


1X19 Stainless Steel Strand

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



All stainless steel shackles available in Cast and Forged



Precision Formed® 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

Precision Formed® 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

Precision Formed® 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



Precision Formed® 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

- Clips available in both cast and forged

Precision Formed® 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	.440
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%	16 - 18%	Corrosion resistance
Molybdenum (Mo)	---	2 - 3%	Additional corrosion resistance
Nickel (Ni)	8 - 10.5%	10 - 14%	Softens metal for ease of process

Precision Formed® 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

- Available in both cast and forged

Precision Formed® SS Jaw & Eye Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJESS1/4X4	1/4 X 4	352	0.462
TBJESS5/16X4.1/2	5/16 X 4-1/2	550	0.660
TBJESS3/8X6	3/8 X 6	880	0.836
TBJESS1/2X6	1/2 X 6	1,540	1.650
TBJESS5/8X6	5/8 X 6	2,464	2.794
TBJESS3/4X6	3/4 X 6	3,520	3.240

- Available in both cast and forged

Precision Formed® SS Jaw & Jaw Turnbuckle T316



Part #	Size X Take Up (in)	Working Load Limit (lbs)	Weight Ea (lbs)
TBJJSS1/4X4	1/4 X 4	352	0.528
TBJJSS5/16X4.1/2	5/16 X 4-1/2	550	0.726
TBJJSS3/8X6	3/8 X 6	880	0.880
TBJJSS1/2X6	1/2 X 6	1,540	1.738
TBJJSS5/8X6	5/8 X 6	2,464	3.036
TBJJSS3/4X6	3/4 X 6	3,520	4.750

- Available in both cast and forged

Precision Formed® 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

Precision Formed® 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

Precision Formed® 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

Precision Formed® 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

Precision Formed® 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

Precision Formed® 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



Precision Formed® SS Quick Link T316

Part #	Trade Size (in)	Opening (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKQSS1/8	1/8	.188	275	.03
LNKQSS3/16	3/16	.250	400	.05
LNKQSS1/4	1/4	.281	880	.08
LNKQSS5/16	5/16	.375	1,700	.18
LNKQSS3/8	3/8	.438	2,100	.30
LNKQSS1/2	1/2	.625	2,500	.52



Precision Formed® SS Spring Snap Link T316

Part #	Trade Size (in)	Opening (in)	Working Load Limit (lbs)	Weight Ea (lbs)
LNKSPGSS1/8	1/8	.24	80	.03
LNKSPGSS3/16	3/16	.28	120	.04
LNKSPGSS1/4	1/4	.32	180	.06
LNKSPGSS5/16	5/16	.40	280	.15
LNKSPGSS3/8	3/8	.58	400	.27
LNKSPGSS1/2	1/2	.70	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	800	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
- Aluminum Sleeves Only

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
- Aluminum Sleeves Only

Carrying Case Includes

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



HC1.1/8 Hydraulic Wire Rope Cutter Cuts Up to 1-1/8 Wire Rope



HC1.3/4 Hydraulic Wire Rope Cutter Cuts Up to 1-3/4 Wire Rope

- Replacement Part Available

**Single Cavity
Swaging
Tool**

3/8"



**Multi Cavity
Swaging
Tool**

**5/32"
1/4"
5/16"**



See more tools on next page



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



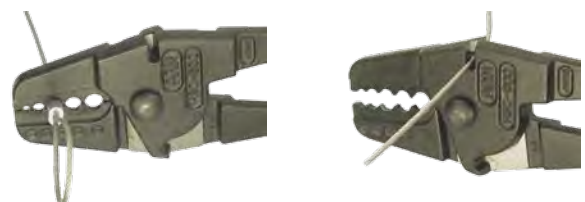
WR Type Cutters

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

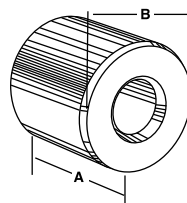
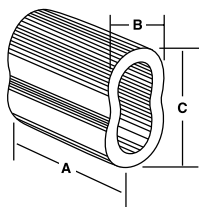


Swage Sleeves



All copper sleeves are
Made in the USA per
Mil MS-51844-26
and are RoHS compliant

- Plain Copper
- Zinc Plated Copper
- Aluminum

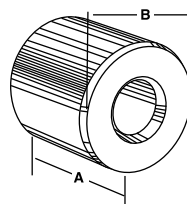
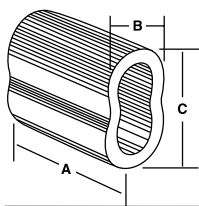


Copper Oval Sleeves Includes Zinc Plated

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	1.010	0.445	0.666
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

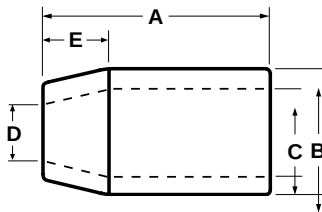
For Cable Diameter	Weight per 100 pcs (lbs)	Dimensions (in)	
		A	B
1/16	0.060	0.156"	0.250"
3/32	0.250	0.313	0.344
1/8	0.210	0.313	0.344
5/32	0.420	0.344	0.438
3/16	0.390	0.344	0.438
1/4	0.204	0.688	0.688

Swage Sleeves



Manufactured in Taiwan by Wirop
"Zero Defects, Striving To Be The Best"

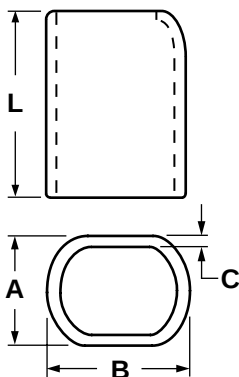
Carbon Flemish Sleeves Zinc Plated



Wire Rope Size (in)	Weight 100 pcs (lbs)	Dimension (inch)					Max. After Swage Dimensions (inch)
		A	B	D	E	C	
1/4"	5	1.00	0.66	0.31	0.28	0.47	0.57
5/16"	14	1.50	0.91	0.38	0.44	0.62	0.75
3/8"	14	1.50	0.91	0.47	0.39	0.66	0.70
7/16"	33	2.00	1.22	0.53	0.65	0.85	1.01
1/2"	29	2.00	1.22	0.63	0.56	0.91	1.01
9/16"	64	2.75	1.47	0.70	0.63	1.09	1.24
5/8"	57	2.75	1.47	0.75	0.63	1.09	1.24
3/4"	88	3.19	1.72	0.91	0.84	1.28	1.46
7/8"	132	3.56	2.03	1.00	1.03	1.53	1.68
1"	196	4.00	2.28	1.16	1.13	1.72	1.93
1-1/8"	260	4.81	2.50	1.28	1.25	1.94	2.13
1-1/4"	354	5.19	2.78	1.44	1.41	2.16	2.32
1-3/8"	422	5.81	3.00	1.56	1.56	2.38	2.52
1-1/2"	500	6.25	3.25	1.69	1.69	2.63	2.71
1-3/4"	805	7.25	3.84	1.94	1.97	3.13	3.1
2"	1,131	8.50	4.38	2.25	2.25	3.63	3.56

- All sleeves stamped with batch identification for easy traceability
- Carbon Duplex Sleeves available

SS Duplex Sleeves



Wire Rope Size (in)	Weight 100 pcs (lbs)	Dimensions (in)				Max. after swage Dimensions (inch)
		L	A	B	C	
1/4"	4	1.01	.486	.73	.082	.53
5/16"	15	1.395	.733	1.105	.156	.76
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.

Polyester Lifting Slings



Cinch Rite® Polyester Round Slings

Item #	Color	Vertical WLL (lbs)	Choker WLL (lbs)	Basket WLL (lbs)	45° Basket WLL (lbs)
E30	Violet	2,600	2,100	5,300	3,800
E60	Green	5,300	4,200	10,600	7,500
E90	Yellow	8,400	6,700	16,800	11,900
E110	Tan	10,600	8,500	21,200	15,000
E150	Red	13,200	10,600	26,400	18,700
E175	White	16,800	13,400	33,600	23,800
E240	Blue	21,200	17,000	42,400	30,000
E400	Orange	40,000	32,000	80,000	56,600



Cinch Rite® Polyester Flat Web Slings



Item #	Width (in)	Vertical WLL (lbs)	Choker WLL (lbs)	Basket WLL (lbs)	45° Basket WLL (lbs)	30° Basket WLL (lbs)
EE2-901	1	3,100	2,480	6,200	4,510	3,100
EE2-902	2	6,200	4,960	12,400	8,767	6,200
EE2-903	3	8,800	7,040	17,600	12,443	8,800
EE2-904	4	11,000	8,800	22,000	15,554	11,000
EE2-906	6	16,500	13,200	33,000	23,331	16,500

Class 7, Type IV

All are stocked in 2 ply, twisted eye with wear pad material in eyes.





*cargo control
chain and chain
fittings
wire rope
rigging hardware
custom fittings*

competitive pricing
excellent availability
superior quality
prompt shipping
wholesale only



Pacific Northwest
Fife, WA 98424
Phone: 877-926-3500
Fax: 253-926-2510

Southern California
Santa Fe Springs, CA 90670
Phone: 800-344-6751
Fax: 562-946-1600

Northern California
Vacaville, CA 95688
Phone: 800-331-0794
Fax: 707-748-1701

Midwest
Tekamah, NE 68061
Phone: 800-331-0794
Fax: 707-748-1701

Distributed By



LANDMANN
WIRE ROPE PRODUCTS

www.landmannwire.com • sales@landmannwire.com