

# ADVANTAGE

SALES & SUPPLY CO., INC.



**CHAIN**  
**WIRE ROPE**  
**SYNTHETIC**  
**FITTINGS**



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## Terms and Conditions

- Terms of Payment:** Standard terms are Net 30 days from date of invoice for approved credit accounts. C.O.D. or C.I.A. terms may be arranged without credit approval. All sales are final.
- Freight Policy:** A freight allowed policy will be arranged with each customer based on weight or order value. For orders that meet the full freight allowed terms, shipping will be arranged at the discretion of Advantage Sales & Supply. This will be based on established freight rates and shipping time. For shipments that are freight paid by the customer, a preferred carrier may be specified by the customer.
- Credit and Claims:** All claims for shortages, errors, defective merchandise, billing errors or price discrepancies, must be received within 5 days after receipt of goods. Once the adjustment has been agreed upon, a credit memo will be issued from the Billing Department. All material ordered becomes the property of the purchaser upon delivery to the carrier. Claims for short shipments or damaged goods should be made to the carrier immediately.
- Return of Merchandise:** No goods may be returned without written Return Merchandise Authorization. If the return is the result of a customer error, Advantage Sales & Supply will do its best to minimize any expense on the customer's account. Our standard restocking fee is 15% plus freight costs. Returns for credit are at the sole discretion of Advantage Sales & Supply.
- Prices:** Invoices will be based on the list prices or quoted prices prevailing at the time of shipment. Due to occasional cost fluctuations, please check with a salesperson concerning price levels.
- Warranty:** Advantage Sales & Supply warrants all products to be free from manufacturing defects. If a product is found to be defective after inspection by an authorized representative of Advantage Sales & Supply, the original purchase price will be refunded. Advantage Sales & Supply makes no other warranty of any other kind, expressed or implied. Seller expressly disclaims all other warranties, expressed or implied, including any warranty of merchantability and any warranty of fitness for a particular purpose.



## Warnings, Definitions, and Cautions

- Working Load Limit:** The Working Load Limit or Safe Working Load is the maximum load which should ever be applied to the product under any condition. The Working Load Limit is based on a load being uniformly applied in a straight line pull.
- Breaking Strength:** Do NOT use Breaking Strength for design or rating purposes. Use the Working Load Limit instead. Breaking Strength is an average figure at which samples have been found to break under laboratory conditions in straight line pulls with constantly increasing loads. These conditions are rarely duplicated in actual use. The Breaking Strength applies to new and unused wire rod for Wire Rope, Aircraft Cable, and Chain.
- Proof Load:** The load a product can withstand during quality control test for the purpose of detecting defects and deformation in the material, usually twice the Working Load Limit.
- Matching Components:** All attachments used with chain and wire rope must be of suitable material, type and strength to provide adequate safety protection. Attachments should have Working Load Limits at least equal to the other components with which they are used.
- Inspection Warning:** No product can operate indefinitely at its rated capacity. Cable, wire rope, chain, and their attachments must be inspected regularly by a trained or qualified individual for visible damage, distortion, elongation, corrosion, cracks, nicks, or abrasion, which may cause failure or reduce the strength or ability of the product to perform safely.
- Shock Loads:** Loads which exceed the static caused by a rapid change of movement, such as jerking, impacting, or swinging of load. Working Load Limits will not apply.
- Marking Requirements:** The US Customs law requires that the end user of imported products be informed of the country of origin. All imported products sold by Advantage Sales & Supply are marked accordingly. Re-sellers are responsible to relay this country of origin information to the end user.
- Warnings:**
- No product can operate indefinitely at its rated capacity.
  - Avoid shock loads and side loads.
  - Keep out from under a raised load.
  - Never exceed the Working Load Limit.
  - Inspect your rigging products regularly.



## GALVANIZED AIRCRAFT CABLE

SIZE	STOCK NUMBER	CONSTRUCTION	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/16"	GAC0627X7	7X7	7	480
3/32"	GAC0937X7	7X7	16	920
1/8"	GAC1257X7	7X7	28	1,700
3/16"	GAC1877X7	7X7	62	3,700
3/32"	GAC0937X19	7X19	18	1,050
1/8"	GAC1257X19	7X19	29	2,000
5/32"	GAC1567X19	7X19	45	2,800
3/16"	GAC1877X19	7X19	65	4,200
7/32"	GAC2187X19	7X19	86	5,600
1/4"	GAC2507X19	7X19	110	7,000
5/16"	GAC3127X19	7X19	173	9,800
3/8"	GAC3757X19	7X19	243	14,400

Standard reel lengths in stock: 250', 500', 1,000' and 5,000'

## STAINLESS STEEL AIRCRAFT CABLE

Type 304

SIZE	STOCK NUMBER	CONSTRUCTION	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/16"	SSAC0627X7	7X7	7.5	480
3/32"	SSAC0937X7	7X7	16	920
1/8"	SSAC1257X7	7X7	28	1,760
1/8"	SSAC1257X19	7X19	29	1,760
3/16"	SSAC1877X19	7X19	65	3,700
1/4"	SSAC2507X19	7X19	110	6,400
5/16"	SSAC3127X19	7X19	173	9,000
3/8"	SSAC3757X19	7X19	243	12,000

Standard reel lengths in stock: 250', 500', 1,000' and 5,000'

Also available in Type 316.

## VINYL COATED GALVANIZED AIRCRAFT CABLE

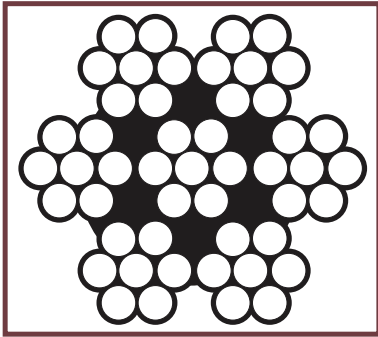
SIZE	STOCK NUMBER	CONSTRUCTION	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
3/64"-1/16"	VCGAC047-062	7X7	7	270
1/16"-3/32"	VCGAC062-093	7X7	10	480
3/32"-1/8"	VCGAC093-125	7X7	18.5	920
3/32"-3/16"	VCGAC093-187	7X7	25.8	920
1/8"-3/16"	VCGAC125-187	7X7	35.2	1,700
3/16"-1/4"	VCGAC187-250	7X19	77.5	4,200
1/4"-5/16"	VCGAC250-312	7X19	123	7,000
5/16"-3/8"	VCGAC312-375	7X19	197	9,800
3/8"-7/16"	VCGAC375-437	7X19	270	14,400

Standard reel lengths in stock: 250', 500', 1,000' and 5,000'. Vinyl coated cable also available in larger sizes and in stainless steel.

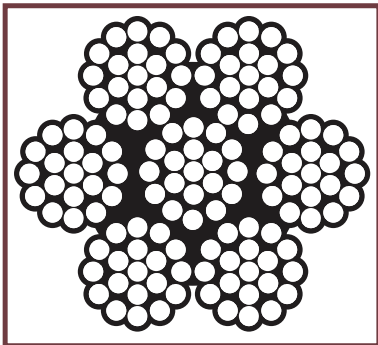
★Vinyl coated cable also available in larger sizes and in stainless steel.

\*Made in accordance with Federal Specification RR-W-410D

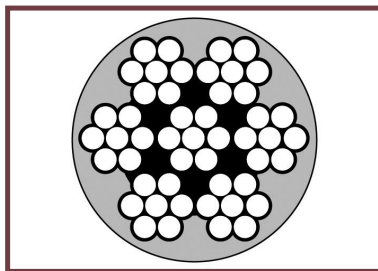
Note: Breaking strength ratings are listed for comparison purposes only. Actual operating loads may vary, but should not exceed the recommended breaking strength.



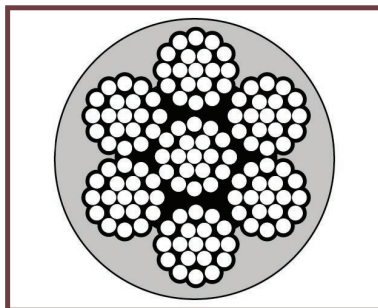
7X7



7X19



7X7



7X19

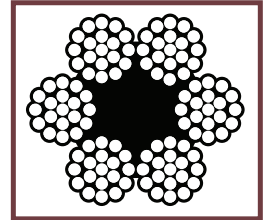
Available upon request: COLOR COATED CABLE ASSEMBLIES, and NYLON COATED CABLE.



**BRIGHT WIRE ROPE**

**EIPS 6 X 19 Class**

SIZE	FIBER CORE			IWRC		
	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/4"	BFC2506X19	110	6,020	BIWRC2506X19	120	6,800
5/16"	BFC3126X19	160	9,380	BIWRC3126X19	180	10,540
3/8"	BFC3756X19	230	13,420	BIWRC3756X19	260	15,100
7/16"	BFC4376X19	320	18,200	BIWRC4376X19	350	20,400
1/2"	BFC5006X19	420	23,600	BIWRC5006X19	460	26,600
9/16"	BFC5626X19	530	29,800	BIWRC5626X19	590	33,600
5/8"	BFC6256X19	660	36,800	BIWRC6256X19	720	41,200
3/4"	BFC7506X19	950	52,400	BIWRC7506X19	1,040	58,800
7/8"	BFC8756X19	1,290	70,800	BIWRC8756X19	1,420	79,600
1"	BFC1006X19	1,680	92,000	BIWRC1006X19	1,850	103,400

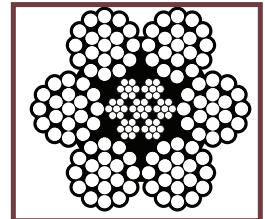


**6X19 FIBER CORE**

**BRIGHT WIRE ROPE**

**EIPS 6 X 37 Class**

SIZE	FIBER CORE			IWRC		
	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/4"	BFC2506X37	110	6,020	BIWRC2506X37	120	6,800
5/16"	BFC3126X37	160	9,380	BIWRC3126X37	180	10,540
3/8"	BFC3756X37	230	13,420	BIWRC3756X37	260	15,100
7/16"	BFC4376X37	320	18,200	BIWRC4376X37	350	20,400
1/2"	BFC5006X37	420	23,600	BIWRC5006X37	460	26,600
9/16"	BFC5626X37	530	29,800	BIWRC5626X37	590	33,600
5/8"	BFC6256X37	660	36,800	BIWRC6256X37	720	41,200
3/4"	BFC7506X37	950	52,400	BIWRC7506X37	1,040	58,800



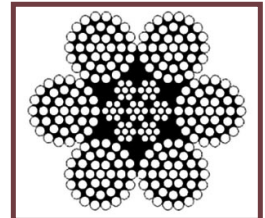
**6X19 IWRC**

Available upon request: Galvanized Wire Rope 6 X 37 Class.

**GALVANIZED WIRE ROPE**

**EIPS 6 X 19 Class**

SIZE	FIBER CORE			IWRC		
	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)
3/8"	GFC3756X19	230	10,980	GIWRC3756X19	260	13,600
7/16"	GFC4376X19	320	14,880	GIWRC4376X19	350	18,360
1/2"	GFC5006X19	420	19,260	GIWRC5006X19	460	24,000
9/16"	GFC5626X19	530	24,200	GIWRC5626X19	590	30,200
5/8"	GFC6256X19	660	30,000	GIWRC6256X19	720	37,000
3/4"	GFC7506X19	950	42,800	GIWRC7506X19	1,040	53,000



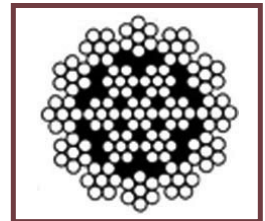
**6X37 IWRC**

Note: According to Federal Specifications RR-W-410D, preformed right regular lay.

**ROTATION RESISTANT WIRE ROPE**

**EIPS 19 X 7 Class**

SIZE	STOCK NUMBER	WEIGHT 1,000 (LBS.)	BREAKING STRENGTH (LBS.)
3/8"	BIWRC37519X7	250	12,300
7/16"	BIWRC43719X7	350	16,600
1/2"	BIWRC50019X7	450	21,600
9/16"	BIWRC56219X7	570	27,200
5/8"	BIWRC62519X7	710	33,600
3/4"	BIWRC75019X7	1,020	48,000



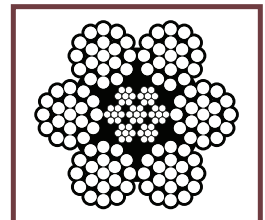
**19X7 ROTATION RESISTANT**

Available upon request: Spin Resistant Wire Rope 8 X 25 Class.

**STAINLESS STEEL WIRE ROPE**

**EIPS 6 X 25 Class**

SIZE	STOCK NUMBER	WEIGHT 1,000' (LBS.)	BREAKING STRENGTH (LBS.)
7/16"	SSWRC437	356	16,300
1/2"	SSWRC500	460	22,800
9/16"	SSWRC562	590	28,500
5/8"	SSWRC625	720	35,000
3/4"	SSWRC750	1,040	49,600
7/8"	SSWRC875	1,420	58,000
1"	SSWRC100	1,850	75,200



**6X25 STAINLESS STEEL**

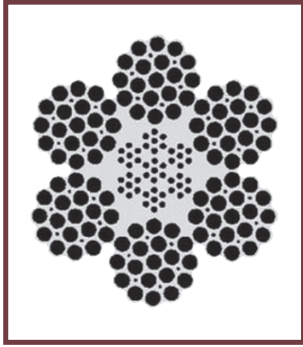
NOTE: Breaking strength ratings are listed for comparison purposes only. Actual operating loads may vary, but should not exceed the recommended design factor of 20% of the product's breaking strength.

**OTHER WIRE ROPE AVAILABLE UPON REQUEST**

6X31, 4X26 SCAFFOLDING ROPES	ALL CRANE ROPES	LARGE DIAMETER	6X26, 3X7 SUPER SWAGED
35X7 NON-ROTATING CABLE	CABLE LAID 7X7X7	316 STAINLESS STEEL 6X19 AND 6X37	6X15 FC LASHING ROPE

## DOMESTIC WIRE ROPE

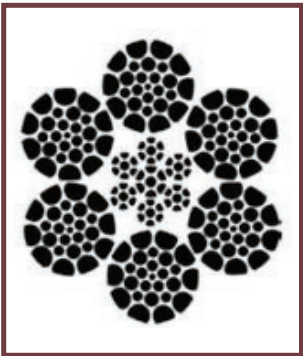
## 6X19 & 6X36 Class



**6X19 CLASS**

SIZE	STOCK NUMBER 6X19	STOCK NUMBER 6X36	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/4"	BIWRC250D	BIWRC2506X36D	120	6,800
5/16"	BIWRC312D	BIWRC3126X36D	180	10,540
3/8"	BIWRC375D	BIWRC3756X36D	260	15,100
7/16"	BIWRC437D	BIWRC4376X36D	350	20,400
1/2"	BIWRC500D	BIWRC5006X36D	460	26,600
9/16"	BIWRC562D	BIWRC5626X36D	580	33,600
5/8"	BIWRC625D	BIWRC6256X36D	720	41,200
3/4"	BIWRC750D	BIWRC7506X36D	1,040	58,800
7/8"	BIWRC875D	BIWRC8756X36D	1,410	79,800
1"	BIWRC100D	BIWRC1006X36D	1,850	103,400
1 1/8"	BIWRC1125D	BIWRC11256X36D	2,340	130,000
1 1/4"	BIWRC1250D	BIWRC12506X36D	2,890	159,800
1 3/8"	BIWRC1375D	BIWRC13756X36D	3,590	192,000
1 1/2"	BIWRC1500D	BIWRC15006X36D	4,160	228,000

All available up to 2 3/4"

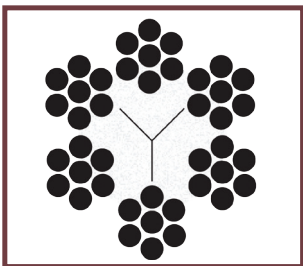


**6-PAC**

## COMPACTED WIRE ROPE

## 6-PAC

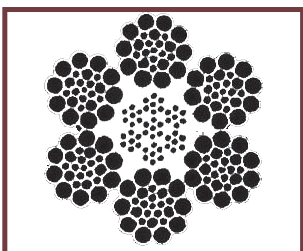
SIZE	STOCK NUMBER	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
3/8"	6PAC375D	285	16,600
7/16"	6PAC437D	388	22,400
1/2"	6PAC500D	503	29,200
9/16"	6PAC562D	642	37,000
5/8"	6PAC625D	795	45,400
3/4"	6PAC750D	1,143	64,800
7/8"	6PAC875D	1,547	87,600
1"	6PAC100D	2,075	113,800
1 1/8"	6PAC1125D	2,575	143,000
1 1/4"	6PAC1250D	3,169	175,800
1 3/8"	6PAC1375D	3,758	212,000
1 1/2"	6PAC1500D	4,564	250,000
1 5/8"	6PAC1625D	5,356	292,000
1 3/4"	6PAC1750D	6,212	338,000



**6X7**

## SAND LINES & SWABBING LINES 6X7

SIZE	STOCK NUMBER	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
3/8"	SL375D	210	11,720
7/16"	SL437D	290	15,860
1/2"	SL500D	380	20,600
9/16"	SL562D	480	26,000
9/16"	SL562GD	470	26,000
5/8"	SL625D	590	31,800



**SWAGED TUBING LINE**

## SWAGED TUBING LINES

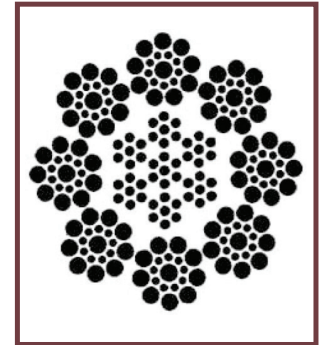
SIZE	STOCK NUMBER	CONSTRUCTION	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
7/8"	TUB8756X26D	6X26 WS	1,800	94,000
7/8"	TUB8756X31D	6X31 WS	1,820	94,000
1"	TUB1006X26D	6X26 WS	2,350	124,000
1"	TUB1006X31D	6X31 WS	2,260	124,000



**ROTATION RESISTANT**

**8X19**

SIZE	STOCK NUMBER	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
7/16"	BIWRC4378X19D	360	18,000
1/2"	BIWRC5008X19D	470	23,200
9/16"	BIWRC5628X19D	600	29,400
5/8"	BIWRC6258X19D	730	36,200
3/4"	BIWRC7508X19D	1,060	51,800
7/8"	BIWRC8758X19D	1,440	70,000
1"	BIWRC1008X19D	1,880	91,000
1 1/8"	BIWRC11258X19D	2,390	114,600
1 1/4"	BIWRC12508X19D	2,940	141,000
1 3/8"	BIWRC13758X19D	3,560	169,800
1 1/2"	BIWRC15008X19D	4,240	200,000

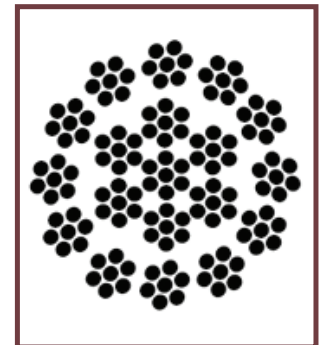


**8X19**

**ROTATION RESISTANT**

**19X7**

SIZE	STOCK NUMBER	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
7/16"	BIWRC43719X7D	350	16,660
1/2"	BIWRC50019X7D	450	21,600
9/16"	BIWRC56219X7D	580	27,200
5/8"	BIWRC62519X7D	710	33,600
3/4"	BIWRC75019X7D	1,020	48,000
7/8"	BIWRC87519X7D	1,390	65,000
1"	BIWRC10019X7D	1,820	84,400
1 1/8"	BIWRC112519X7D	2,300	106,200
1 1/4"	BIWRC125019X7D	2,840	130,200
1 3/8"	BIWRC137519X7D	3,430	156,800
1 1/2"	BIWRC150019X7D	4,083	185,600

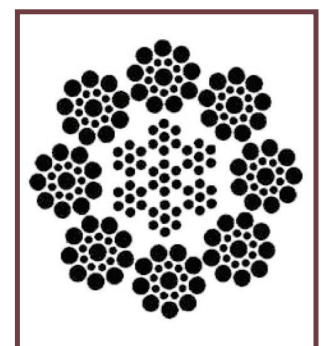


**19X7**

**ROTATION RESISTANT**

**SUPER FLEX PAC 19**

SIZE	STOCK NUMBER	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/2"	SFP19500D	540	29,200
9/16"	SFP19562D	690	37,000
5/8"	SFP19625D	830	45,400
3/4"	SFP19750D	1,190	64,800
7/8"	SFP19875D	1,620	87,600
1"	SFP19100D	2,120	113,800
1 1/8"	SFP191125D	2,680	143,000
1 1/4"	SFP191250D	3,310	175,800
1 3/8"	SFP191375D	4,010	212,000
1 1/2"	SFP191500D	4,770	250,000

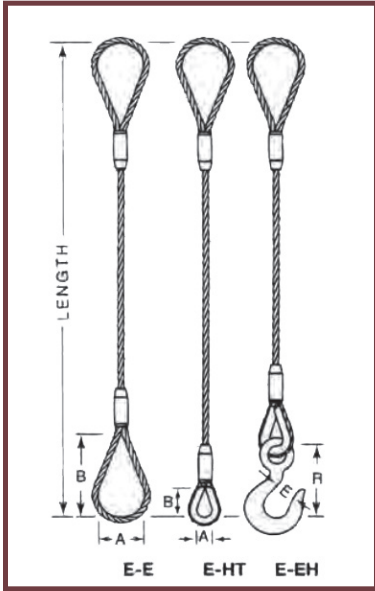


**SUPER FLEX PAC 19**

Also available: Super Flex Pac 35

## SINGLE LEG WIRE ROPE SLINGS

Single



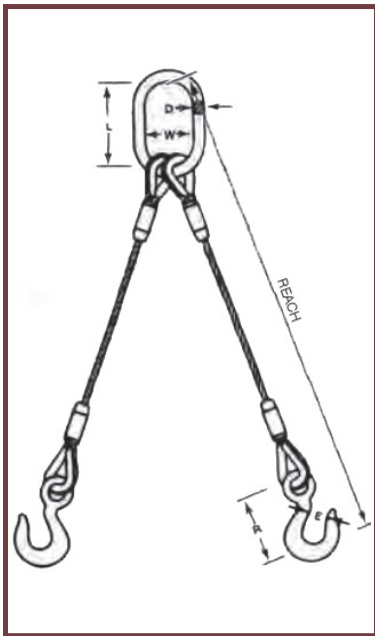
**SINGLE SLING DIMENSIONS**

ROPE DIA.	RATED CAPACITY - TONS* EIPS IWRC W/R			EYE DIMENSIONS		THIMBLE		HOOK		
	VERTICAL	CHOKER	BASKET	A	B	A	B	WLL** TONS	E	R
1/4"	.65	.48	1.3	2"	4"	7/8"	1 5/8"	1	15/16"	3 7/32"
5/16"	1	.74	2	2 1/2"	5"	1 1/16"	1 7/8"	1	1 1/32"	3 21/32"
3/8"	1.4	1.1	2.9	3"	6"	1 1/8"	2 1/8"	1 1/2	1 1/16"	4 3/32"
7/16"	1.9	1.4	3.9	3 1/2"	7"	1 1/4"	2 1/4"	2	1 7/32"	4 11/16"
1/2"	2.5	1.9	5.1	4"	8"	1 1/2"	2 3/4"	3	1 1/2"	5 3/4"
9/16"	3.2	2.4	6.4	4 1/2"	9"	1 1/2"	2 3/4"	4 1/2	1 1/2"	5 3/4"
5/8"	3.9	2.9	7.8	5"	10"	1 3/4"	3 1/4"	4 1/2	1 7/8"	7 3/8"
3/4"	5.6	4.1	11	6"	12"	2"	3 3/4"	7	1 7/8"	7 3/8"
7/8"	7.6	5.6	15	7"	14"	2 1/4"	4 1/4"	11	2 1/4"	9 1/16"
1"	9.8	7.2	20	8"	16"	2 1/2"	4 1/2"	11	2 1/4"	9 1/16"
1 1/8"	12	9.1	24	9"	18"	2 7/8"	5 1/8"	15	2 1/2"	10 1/16"
1 1/4"	15	11	30	10"	20"	3 1/2"	6 1/4"	15	2 1/2"	10 1/16"
1 1/2"	21	16	42	12"	24"	3 1/2"	6 1/4"	22	3 3/8"	12 1/2"
1 3/4"	28	21	57	14"	28"	4 1/2"	9"	30	4"	14 1/16"
2"	37	28	73	16"	32"	6"	12"	37	4 1/4"	18 5/16"

All capacities in tons (2,000 lbs.) All eye and fitting dimensions in inches.

## TWO LEG BRIDLE WIRE ROPE SLINGS

Double



**DOUBLE SLING DIMENSIONS**

ROPE DIA.	RATED CAPACITY - TONS* EIPS IWRC W/P EPS			ALLOY OBLONG LINKS			HOOK		
	30°	45°	60°	D	L	W	WLL** TONS	E	R
1/4"	.65	.91	1.1	1/2"	5"	2 1/2"	1	15/16"	3 7/32"
5/16"	1	1.4	1.7	1/2"	5"	2 1/2"	1	1 1/32"	3 21/32"
3/8"	1.4	2	2.5	1/2"	5"	2 1/2"	1 1/2	1 1/16"	4 3/32"
7/16"	1.9	2.7	3.4	3/4"	5 1/2"	2 3/4"	2	1 7/32"	4 11/16"
1/2"	2.5	3.6	4.4	3/4"	5 1/2"	2 3/4"	3	1 1/2"	5 3/4"
9/16"	3.2	4.5	5.5	3/4"	5 1/2"	2 3/4"	4 1/2	1 1/2"	5 3/4"
5/8"	3.9	5.5	6.8	1"	8"	4"	4 1/2	1 7/8"	7 3/8"
3/4"	5.6	7.9	9.7	1 1/4"	8 3/4"	4 3/8"	7	1 7/8"	7 3/8"
7/8"	7.6	11	13	1 1/4"	8 3/4"	4 3/8"	11	2 1/4"	9 1/16"
1"	9.8	14	17	1 1/2"	10 1/2"	5 1/4"	11	2 1/4"	9 1/16"
1 1/8"	12	17	21	1 1/2"	10 1/2"	5 1/4"	15	2 1/2"	10 1/16"
1 1/4"	15	21	26	1 3/4"	12"	6"	15	2 1/2"	10 1/16"
1 1/2"	21	30	37	2"	14"	7"	22	3 3/8"	12 1/2"
1 3/4"	28	40	49	2 1/4"	16"	8"	30	4"	14 1/16"
2"	37	52	63	2 3/4"	16"	9"	37	4 1/4"	18 5/16"

Do not exceed work load limit.

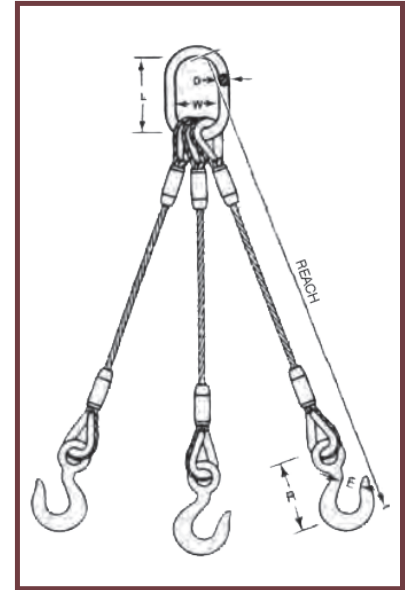
Please note: Any and all sizes are available. Please contact your Advantage sales person for details.



**THREE-LEG BRIDLE WIRE ROPE SLINGS**

Triple

ROPE DIA.	RATED CAPACITY - TONS* EIPS IWRC W/P			ALLOY OBLONG LINK			HOOK		
	30°	45°	60°	D	L	W	WLL** TONS	E	R
1/4"	.97	1.4	1.7	1/2"	5"	2 1/2"	1	15/16"	3 7/32"
5/16"	1.5	2.1	2.6	1/2"	5"	2 1/2"	1	1 1/32"	3 21/32"
3/8"	2.2	3	3.7	3/4"	5 1/2"	2 3/4"	1 1/2	1 1/16"	4 3/32"
7/16"	2.9	4.1	5	3/4"	5 1/2"	2 3/4"	2	1 7/32"	4 11/16"
1/2"	3.8	5.4	6.6	1"	8"	4"	3	1 1/2"	5 3/4"
9/16"	4.8	6.8	8.3	1"	8"	4"	4 1/2	1 1/2"	5 3/4"
5/8"	5.9	8.3	10	1 1/4"	8 3/4"	4 3/8"	4 1/2	1 7/8"	7 3/8"
3/4"	8.4	12	15	1 1/2"	10 1/2"	5 1/4"	7	1 7/8"	7 3/8"
7/8"	11	16	20	1 1/2"	10 1/2"	5 1/4"	11	2 1/4"	9 1/16"
1"	15	21	26	1 3/4"	12"	6"	11	2 1/4"	9 1/16"
1 1/8"	18	26	31	1 3/4"	12"	6"	15	2 1/2"	10 1/16"
1 1/4"	22	31	38	2"	14"	7"	15	2 1/2"	10 1/16"
1 1/2"	32	45	55	2 1/4"	16"	8"	22	3 3/8"	12 1/2"



**TRIPLE SLING DIMENSIONS**

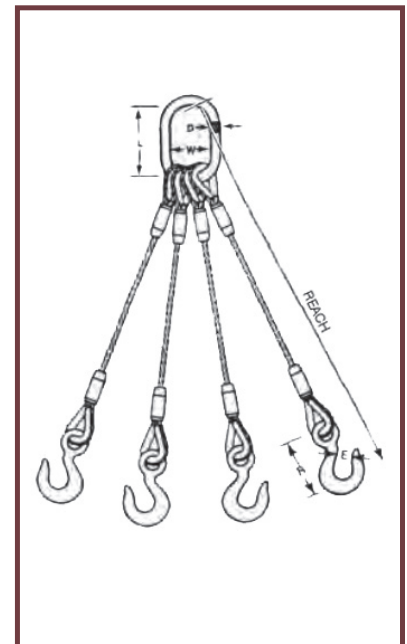
**FOUR-LEG BRIDLE WIRE ROPE SLINGS**

Quadruple

ROPE DIA.	RATED CAPACITY - TONS* EIPS IWRC W/P			ALLOY OBLONG LINK			HOOK		
	30°	45°	60°	D	L	W	WLL** TONS	E	R
1/4"	1.3	1.8	2.2	1/2"	5"	2 1/2"	1	15/16"	3 7/32"
5/16"	2	2.8	3.5	3/4"	6"	3"	1	1 1/32"	3 21/32"
3/8"	2.9	4.1	5	3/4"	6"	3"	1 1/2	1 1/16"	4 3/32"
7/16"	3.9	5.5	6.7	1"	8"	4"	2	1 7/32"	4 11/16"
1/2"	5.1	7.1	8.8	1"	8"	4"	3	1 1/2"	5 3/4"
9/16"	6.4	9	11	1 1/4"	8 3/4"	4 3/8"	4 1/2	1 1/2"	5 3/4"
5/8"	7.8	11	14	1 1/2"	10 1/2"	5 1/4"	4 1/2	1 7/8"	7 3/8"
3/4"	11	16	19	1 3/4"	12"	6"	7	1 7/8"	7 3/8"
7/8"	15	21	26	2"	14"	7"	11	2 1/4"	9 1/16"
1"	20	28	34	2 1/4"	16"	8"	11	2 1/4"	9 1/16"
1 1/8"	24	34	42	2 3/4"	16"	8"	15	2 1/2"	10 1/16"
1 1/4"	30	42	51	2 3/4"	16"	9"	15	2 1/2"	10 1/16"

Do not exceed work load limit.

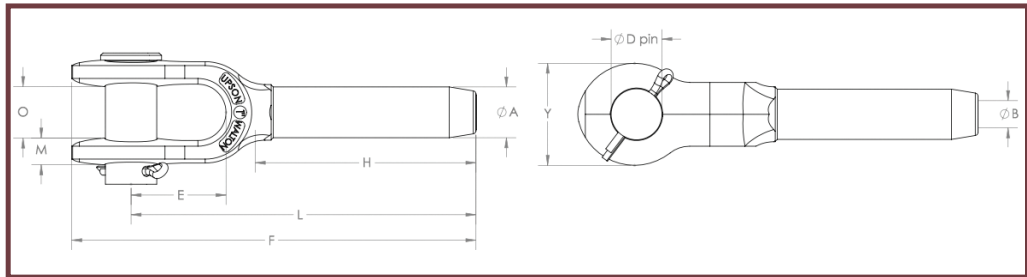
Please note: Any and all sizes are available. Please contact your Advantage sales person for details.



**QUADRUPLE SLING DIMENSIONS**

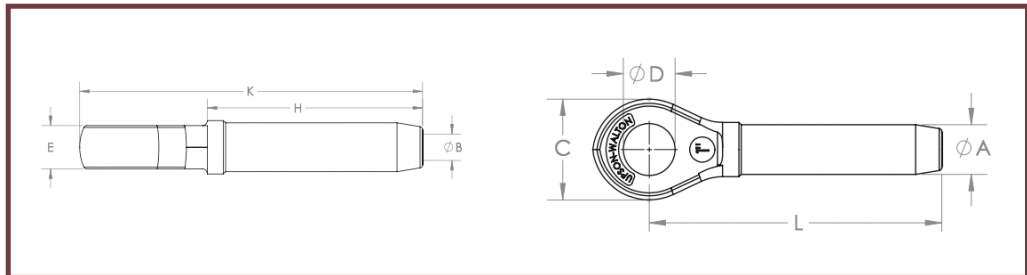
## OPEN SWAGE SOCKETS

PART NUMBER	ROPE SIZE	WT. EACH	PIN WT.	PIN DIA.	A	B1	B2	OVERALL LENGTH C	PIN HOLE D	DIE E	F	DESCR.
4002382	5/16"	1.7	.50	13/16"	1 11/16"	1 5/8"	13/16"	6"	7/8"	2"	1 3/4"	3/8 OC
4181353	3/8"	1.7	.50	13/16"	1 11/16"	1 5/8"	13/16"	6"	7/8"	2"	1 3/4"	3/8 OC
4181354	7/16"	3	.75	1"	2"	2"	1"	7 5/16"	1 1/16"	3"	2"	1/2 OC
4179732	1/2"	3	.75	1"	2"	2"	1"	7 5/16"	1 1/16"	3"	2"	1/2 OC
4002388	9/16"	5	1	1 3/16"	2 1/2"	2 3/8"	1 1/4"	8 7/8"	1 1/4"	3 5/8"	2 1/4"	5/8 OC
4002391	5/8"	5	1	1 3/16"	2 1/2"	2 3/8"	1 1/4"	8 7/8"	1 1/4"	3 5/8"	2 1/4"	5/8 OC
4002395	3/4"	9	1.5	1 3/8"	3"	2 3/4"	1 7/16"	10 3/8"	1 7/16"	4 1/8"	2 3/4"	3/4 OC
4002397	7/8"	11.5	2.5	1 5/8"	3 1/2"	3 1/4"	1 3/4"	12 1/2"	1 11/16"	5 1/2"	3 1/4"	3/4 OC
4002397	1"	19	4.5	2"	4"	3 3/4"	2"	14 1/4"	2 1/16"	6 1/2"	3 3/4"	7/8 OC
4002400	1 1/8"	24	6	2 1/4"	4 1/2"	4 1/4"	2 1/4"	17 7/8"	2 5/16"	9"	4 1/4"	1 OC



## CLOSED SWAGE SOCKETS

PART NUMBER	ROPE SIZE	WT. EACH (LBS.)	A	B	OVERALL LENGTH C	PIN HOLE D	E	F	SHANK DIAMETER		DIE DESCRIPTION
									BEFORE J	AFTER J	
5102784	5/16"	1	1 11/16"	11/16"	4 5/8"	7/8"	2"	7/8"	7/8"	.76"	3/8 OC
5130291	3/8"	1	1 11/16"	11/16"	4 5/8"	7/8"	2"	7/8"	7/8"	.76"	3/8 OC
5130293	7/16"	1.5	2"	13/16"	5 7/8"	1 1/16"	3"	1 1/8"	1 1/8"	1.01"	1/2 OC
5111839	1/2"	1.5	2"	13/16"	5 7/8"	1 1/16"	3"	1 1/8"	1 1/8"	1.01"	1/2 OC
5102808	9/16"	2.5	2 1/2"	1 1/8"	7 1/4"	1 1/4"	3 5/8"	1 3/8"	1 3/8"	1.27"	5/8 OC
5102814	5/8"	2.5	2 1/2"	1 1/8"	7 1/4"	1 1/4"	3 5/8"	1 3/8"	1 3/8"	1.27"	5/8 OC
5102820	3/4"	3	3"	1 5/16"	8 3/8"	1 7/16"	4 1/8"	1 5/8"	1 5/8"	1.53"	3/4 OC
5102826	7/8"	6	3 1/2"	1 1/2"	10 1/8"	1 11/16"	5 1/2"	1 7/8"	1 7/8"	1.53"	3/4 OC
5102832	1"	10	4"	1 3/4"	11 9/16"	2 1/16"	6 1/2"	2 3/16"	2 3/16"	1.76"	7/8 OC
5112070	1 1/8"	16	4 1/2"	2"	14 3/4"	2 5/16"	9"	2 7/16"	2 7/16"	2.04"	1 OC

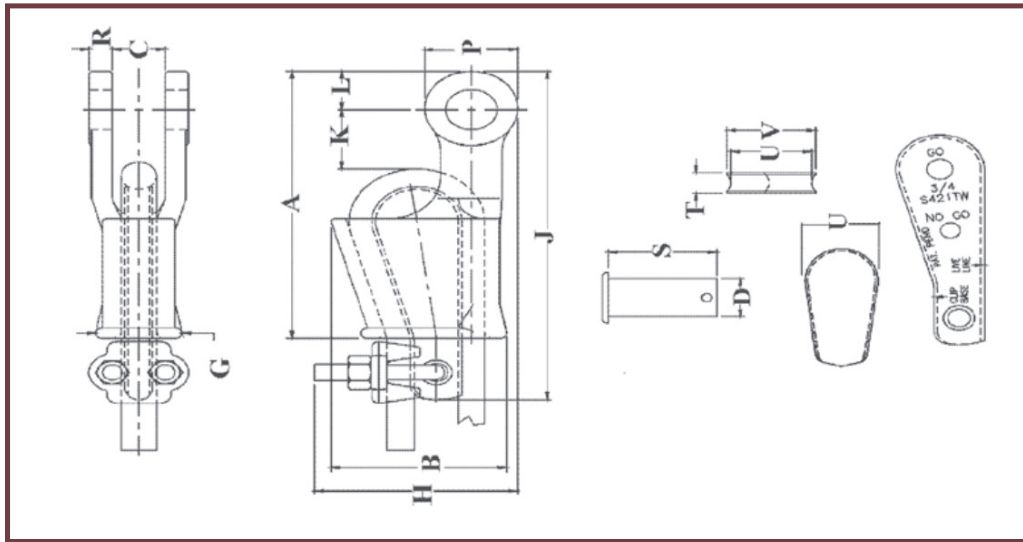




**WEDGE SOCKETS**

**Socket, Wedge, Pin, and Wire Rope Clip**

SIZE		STOCK NUMBER	WEIGHT EACH (LBS.)	STOCK NUMBER WEDGE ONLY	WEDGE ONLY WEIGHT EACH (LBS.)
(IN.)	(MM)				
3/8	9-10	1035000	3.18	1035555	.50
1/2	11-13	1035009	6.15	1035564	1.05
5/8	14-16	1035018	9.70	1035573	1.79
3/4	18-19	1035027	14.50	1035582	2.60
7/8	20-22	1035036	21.50	1035591	4.00
1	24-26	1035045	30.75	1035600	5.37
1 1/8	28	1035054	45.30	1035609	7.30
1 1/4	30-32	1035063	64.90	1035618	10.60



**Wedge Socket Dimensions**

WIRE ROPE DIA. (IN.)		STOCK NUMBER	DIMENSIONS IN INCHES														
(IN.)	(MM)		A	B	C	D	G	H	J*	K*	L	P	R	S	T	U	V
3/8	9-10	1035000	5.69	2.72	.81	.81	1.38	3.06	7.80	1.88	.88	1.56	.44	2.13	.44	1.25	1.38
1/2	11-13	1035009	6.88	3.47	1.00	1.00	1.62	3.76	8.91	1.26	1.06	1.94	.50	2.56	.53	1.75	1.88
5/8	14-16	1035018	8.25	4.30	1.25	1.19	2.12	4.47	10.75	1.99	1.22	2.25	.56	3.25	.69	2.00	2.19
3/4	18-19	1035027	9.88	5.12	1.50	1.38	2.44	5.28	12.36	2.41	1.40	2.63	.66	3.63	.78	2.34	2.56
7/8	20-22	1035036	11.25	5.85	1.75	1.63	2.69	6.16	14.37	2.48	1.67	3.13	.75	4.31	.88	2.69	2.94
1	24-26	1035045	12.81	6.32	2.00	2.00	2.94	6.96	16.29	3.04	2.00	3.75	.88	4.70	1.03	2.88	3.28
1 1/8	28	1035054	14.38	6.92	2.25	2.25	3.31	7.62	18.34	2.56	2.25	4.25	1.00	5.44	1.10	3.25	3.56
1 1/4	30-32	1035063	16.34	8.73	2.62	2.50	3.56	9.39	20.48	2.94	2.34	4.50	1.06	6.13	1.19	4.62	4.94

\*Nominal

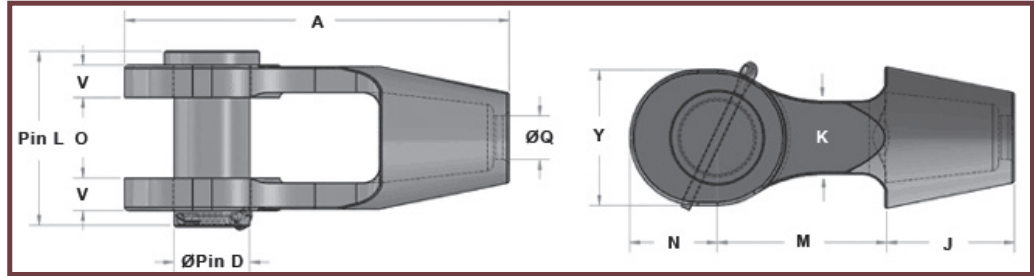
Note: For intermediate wire rope sizes, use next larger size socket.

This wedge is designed to be assembled only in the socket body with which it is sold.

## OPEN SPELTER SOCKETS

Galvanized

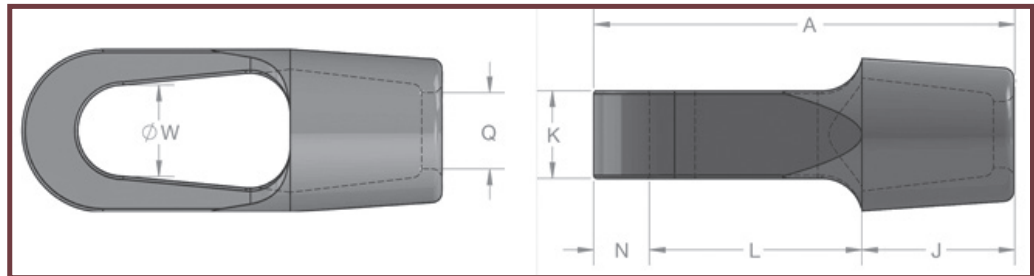
ITEM NUMBER	PATTERN NUMBER	ROPE DIA. IN./MM	STRAND DIA. IN./MM	WEIGHT IN./MM	DIM. A IN./MM	DIM. C IN./MM	DIM. D IN./MM	DIM. F IN./MM	DIM. J IN./MM	DIM. L IN./MM	DIM. M IN./MM	DIM. N IN./MM
4043941	L-7000G	.56-.63	.50	4	6.75	1.25	1.19	.69	3	2.56	2.55	.56
		14-16	13	1.8	172	32	30	18	76	65	57	14
4043942	LL7001-G	.75	.56-.63	7	7.94	1.5	1.36	.81	3.5	3	2.63	.69
		17-19	14-16	3.2	2020	38	35	21	89	76	976	18
4043943	L7002-G	.88	.69-.75	10	9.25	1.75	1.63	1	4	3.5	3.25	.81
		20-22	17-19	4.5	235	44	41	25	102	89	83	21
4043944	L7003-G	1	.81-.88	15	10.56	2	2	1.13	4.5	4	3.75	.94
		23-26	20-22	6.8	268	51	51	29	114	102	95	24
4093945	L7004-G	1.13	0.94-1.00	23	11.88	2.25	2.25	1.25	5.06	4.5	4.13	1
		27-30	23-25	10.4	302	57	57	32	129	114	105	25
4043946	L7005-G	1.25-1.38	1.06-1.13	33	13.06	2.5	2.5	1.5	5.38	5	4.63	1.13
		31-36	26-29	15	33	26	44	38	137	127	118	29
4043947	L7006-G	1.5	1.19-1.25	43	15.13	3	2.75	1.63	6	6	5.38	1.19
		37-39	30-32	19.5	384	76	70	41	152	152	137	30



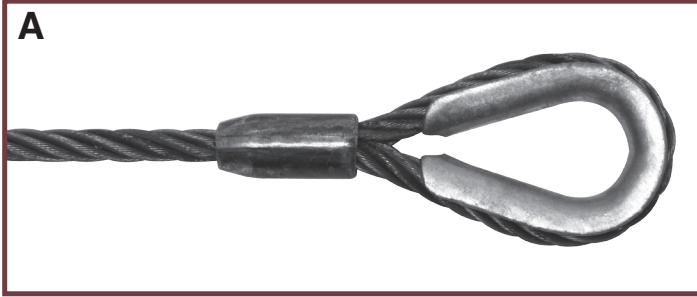
## CLOSED SPELTER SOCKETS

Galvanized

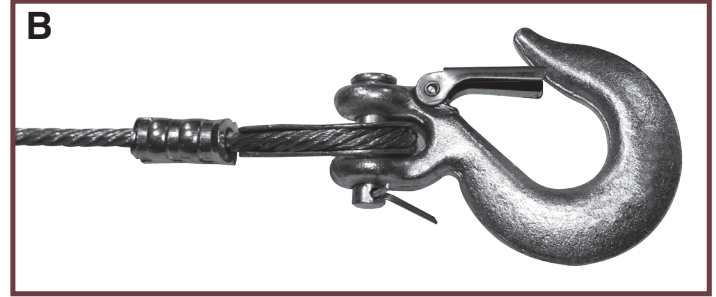
ITEM NUMBER	PATTERN NUMBER	ROPE DIA. IN./MM	STRAND DIA. IN./MM	WEIGHT LB./KG	DIM. A IN./MM	DIM. C IN./MM	DIM. D IN./MM	DIM. F IN./MM	DIM. H IN./MM	DIM. J IN./MM	DIM. K IN./MM	DIM. L IN./MM
4124439	L-7032G	.56-.63	.50	3	6.38	2.63	1.38	.69	2.38	3	1	2.5
		14-16	13	1.4	162	67	35	18	60	76	25	64
4111726	L-7033G	.75	.56-.63	5	7.63	3	1.63	.81	2.75	3.5	1.25	3.06
		17-19	14-16	2.3	194	76	41	21	70	89	32	78
4060012	L-704G	.88	.69-.75	9	8.88	3.63	1.88	1	3.13	4	1.50	3.56
		20-22	17-19	4.1	226	92	48	25	80	102	38	90
4060013	L-7035G	1	.81-.88	12	10	4.13	2.25	1.13	3.75	4.5	1.75	4.06
		23-26	20-22	5.4	254	105	57	29	95	114	45	13
4058967	L-7036G	1.13	0.94-1.00	17	11.13	4.50	2.50	1.25	4.13	5	2	4.56
		27-30	23-25	7.7	283	114	64	32	105	127	51	116
1085018	L-7037G	1.25-1.38	1.06-1.13	22	12.31	5	2.75	1.5	4.75	5.5	2.19	4.94
		31-36	26-29	10	313	127	70	38	121	140	56	126
4048218	L-7038G	1.5	1.19-1.25	30	14	5.38	3.13	1.63	5.25	6	2.50	6
		37-39	30-32	13.6	356	137	80	41	133	152	64	152







**THIMBLED EYE**



**GAC WINCH**



**FIXED EYE HOIST HOOK**



**SWIVEL EYE HOIST HOOK**



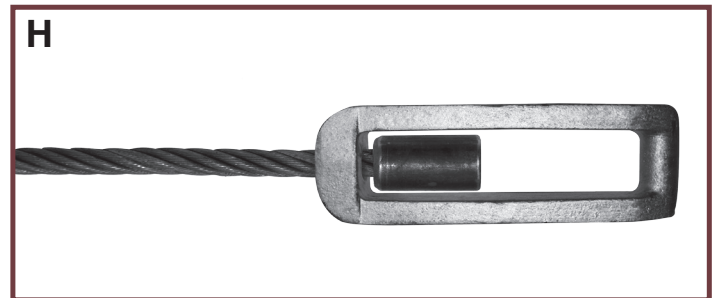
**FIXED EYE SELF LOCKING**



**SWIVEL EYE SELF LOCKING**



**BUTTON**



**CONTAINER/ROLL OFF**



**TAIL CHAIN**



**SWAGED LOGGING**

## GROMMETS

### Cable Laid - Vertical, Choker, or Basket Hitches

RATED CAPACITY IN TONS OF 2,000 LBS."						
GROMMET BODY DIAMETER	VERTICAL	CHOKER	VERTICAL BASKET	60°	45°	30°
COMPONENT ROPE 7X6X19 OR 36 IWRC CABLE LAID						
3/4"	6.2	4.1	12	11	8.8	6.2
7/8"	8.3	5.4	17	14	12	8.3
1"	11	6.8	21	18	15	11
1 1/8"	13	8.4	26	22	18	13
1 1/4"	16	10	31	27	22	16

Rated capacities shown apply only to 6X19 and 6X36 classification EIPS wire rope.

## BRAIDED SLINGS

### 8 Part Round Braid

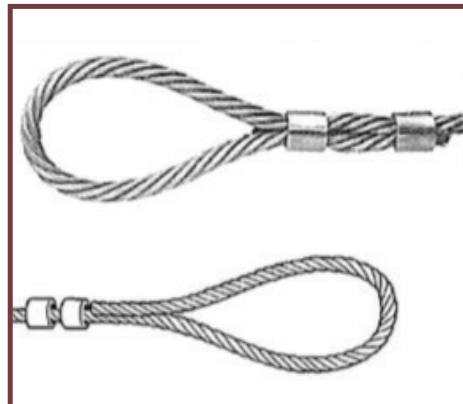
COMPONENT ROPE DIAMETER	SLING BODY DIAMETER	VERTICAL RATED CAPACITY (TONS)			MINIMUM SLING LENGTH	STANDARD EYE W x L	SLIP THRU THIMBLE EYE SIZE W x L
		VERTICAL	CHOKER	VERTICAL BASKET			
1/8"	9/16"	1.1	1.0	2.2	2'0"	3" X 6"	2 1/8" X 4 1/8"
3/16"	13/16"	2.4	2.1	4.7	3'0"	4" X 8"	2 3/8" X 4 3/8"
1/4"	1 1/8"	3.9	3.4	7.8	3' 6"	5" X 10"	3 3/8" X 6 5/8"



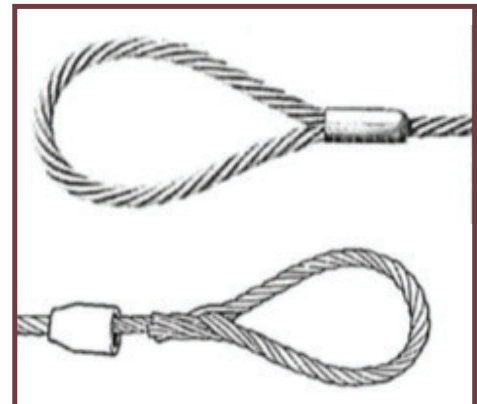
### 8 Part Round Braid



ONE PIECE TURNBACK

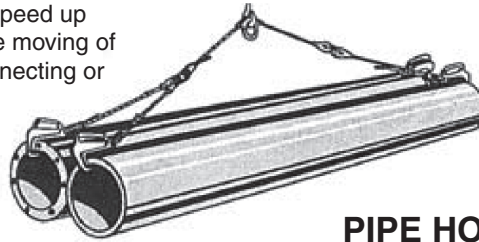


TWO PIECE TURNBACK



FLEMISHED EYE

Ease the job of handling pipe. Pipe hooks speed up loading or unloading of pipe sections, or the moving of pipe when placing pipe into position for connecting or welding.



**PIPE HOOK**



**PIPE HOOK**

**PIPE HOOK**

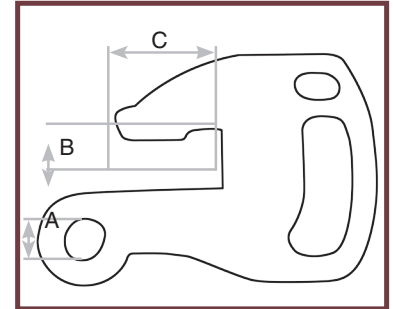
**Dimensions & Data**

NUMBER	A	B	C	ROPE SIZE	WORKING LOAD LIMIT	WEIGHT (LBS.)
2	1 1/4"	1"	3 1/4"	3/8" - 5/8"	8,500	8.5
3	1 1/4"	2"	3 1/4"	3/8" - 5/8"	7,500	10.5

No. 2 Equipped with soft brass inserts to prevent damaging thin wall gas or oil pipe.

No. 3 Same as No. 2 with a longer throat opening. Has brass insert.

Note: Working loads shown in table are based on slings using two pipe hooks.



**COMBINATION CLAMP & THIMBLE**

ROPE SIZE	PART NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/8"	CCT125	0.2	300
3/16"	CCT187	0.3	600
1/4"	CCT250	0.5	1,000
5/16"	CCT312	0.7	1,600
3/8"	CCT375	1.8	2,200
7/16"	CCT437	2.3	3,000
1/2"	CCT500	3.5	4,000
9/16"	CCT562	3.5	5,000
5/8"	CCT625	5	6,000
3/4"	CCT750	10.5	8,800
7/8"	CCT875	14	12,000
1"	CCT100	19	15,500



**COMBO CLAMP/ THIMBLE**

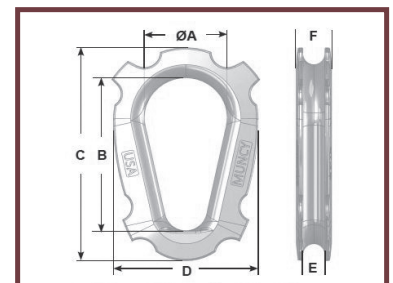
**SLIP-THRU THIMBLE**

SIZE	PART NUMBER	A	B	C	D	E	F	G	WEIGHT/PIECE (LBS.)
5/16"-3/8"	W-2	2 1/8"	4 1/8"	7/16"	13/16"	9/16"	3 1/4"	5 1/4"	1.3
1/2"-9/16"	W-3	2 3/8"	4 3/8"	5/8"	1"	5/8"	4"	6"	1.5
5/8"-3/4"	W-4	3 3/8"	6 5/8"	13/16"	1 5/16"	5/8"	5 3/8"	8 1/2"	3.4
7/8"-1"	W-5	3 3/4"	7 1/8"	1 1/8"	1 5/8"	7/8"	6 1/4"	9 3/8"	5.5
1 1/8"-1 1/4"	W-6	4 3/8"	8 3/8"	1 3/8"	1 7/8"	1"	7 1/8"	11"	8.6
1 3/8"-1 1/2"	W-7	5"	9 1/2"	1 5/8"	2 1/8"	1 1/4"	8 1/8"	12 1/2"	10

Larger sizes available upon request.



**SLIP THRU THIMBLE**





## MALLEABLE & DROP-FORGED WIRE ROPE CLIPS



**MALLEABLE**



**DROP-FORGED**

**METHODS OF APPLICATION:**

1. Turn back the specified amount of rope from the thimble. Apply the first clip one base width from the dead end of the wire rope.



2. Apply the next clip as near the loop as possible. Turn on the nuts but do not tighten.



3. Space additional clips equally between the first two. Take up rope slack. Tighten all nuts evenly on all clips.



SIZE	MALLEABLE, ZINC PLATED					DROP-FORGED, HOT GALVANIZED				
	STOCK NUMBER	WEIGHT/ 100 PCS. (LBS.)	MIN. CLIPS REQ'D	TORQUE IN LBS. FT.*	TURN BACK LENGTH	STOCK NUMBER	WEIGHT/ 100 PCS. (LBS.)	MIN. CLIPS REQ'D	TORQUE IN LBS. FT.*	TURN BACK LENGTH
1/16"	MWRC062	3	3	2	3"	-	-	-	-	-
1/8"	MWRC125	4	3	3	4 3/4"	DFWRC125	5	2	4.5	3 1/4"
3/16"	MWRC187	7	3	4.5	5 1/2"	DFWRC187	10	2	7.5	3 1/4"
1/4"	MWRC250	14	3	15	7"	DFWRC250	18	2	15	4 3/4"
5/16"	MWRC312	15	3	15	7 3/4"	DFWRC312	31	2	30	5 1/4"
3/8"	MWRC375	21	3	30	9 1/2"	DFWRC375	46	2	45	6 1/2"
7/16"	MWRC437	37	4	40	10 1/4"	DFWRC437	73	3	65	7"
1/2"	MWRC500	38	4	45	15 1/4"	DFWRC500	73	3	65	11 1/2"
9/16"	MWRC562	59	4	50	16"	DFWRC562	96	3	95	12"
5/8"	MWRC625	59	4	75	16"	DFWRC625	104	3	95	12"
3/4"	MWRC750	84	5	75	22 1/4"	DFWRC750	150	4	130	18"
7/8"	MWRC875	125	5	130	23 1/2"	DFWRC875	244	4	225	19"
1"	MWRC100	166	6	130	31"	DFWRC100	270	5	225	26"
1 1/8"	MWRC1125	211	7	200	39 1/2"	DFWRC1125	310	6	225	34"
1 1/4"	-	-	-	-	-	DFWRC1250	460	7	360	44"
1 3/8"	-	-	-	-	-	DFWRC1375	520	7	360	44"
1 1/2"	-	-	-	-	-	DFWRC1500	590	8	360	54"
1 3/4"	-	-	-	-	-	DFWRC1750	980	8	590	58"

\*Torque values shown are based on clean, unlubricated threads. Wire rope clips are not designed for load carrying purposes, therefore working load limits have not been established.

Note: Malleable Wire Rope Clips made according to Federal Specification FF-C-450 D, Type 1, Class 2. Forged Wire Rope Clips made according to Federal Specification FF-C-450 D, Type 1, Class 1.



**STAINLESS STEEL**



**DOUBLE GRIP**

### 304 OR 316 STAINLESS STEEL

SIZE	STOCK NUMBER	WT./ 100 PCS.	MIN. CLIPS REQ'D	TURN BACK LENGTH
1/16"	SWRC062	2	2	2 1/2"
1/8"	SWRC125	5	2	3 1/4"
3/16"	SWRC187	11	3	3 3/4"
1/4"	SWRC250	19	3	4 3/4"
5/16"	SWRC312	30	3	5 1/4"
3/8"	SWRC375	46	3	6 1/2"
1/2"	SWRC500	68	3	11 1/2"
5/8"	SWRC625	92	3	12"
3/4"	SWRC750	104	4	18"
7/8"	SWRC875	168	4	19"
1"	SWRC100	186	5	26"

### DOUBLE GRIP - HOT GALVANIZED

SIZE	STOCK NUMBER	WT./ 100 PCS.	MIN. CLIPS REQ'D	TURN BACK LENGTH
1/4"	FIST250	18.5	2	4"
5/16"	FIST312	28	2	5"
3/8"	FIST375	40	2	5 1/2"
7/16"	FIST437	70	2	6 1/2"
1/2"	FIST500	75	3	11"
9/16"	FIST562	100	3	12 3/4"
5/8"	FIST625	100	3	13 1/2"
3/4"	FIST750	175	3	16"

**WIRE ROPE THIMBLES**

**Standard Duty and Heavy Duty**

SIZE	STANDARD DUTY		HEAVY DUTY	
	STOCK NUMBER	WT./100 PCS. (LBS.)	STOCK NUMBER	WT./100 PCS. (LBS.)
1/8"	TSD125	2	THD125	-
3/16"	TSD187	2.7	THD187	-
1/4"	TSD250	2.8	THD250	7.5
5/16"	TSD312	3.6	THD312	14
3/8"	TSD375	5.8	THD375	25
7/16"	-	-	THD437	36
1/2"	TSD500	13	THD500-562	51
5/8"	TSD625	36	THD625	75
3/4"	TSD750	50	THD750	147
7/8"	TSD875	85	THD875	185
1"	TSD100	104	THD100	300
1 1/8"-1 1/4"	TSD1125-1250	175	THD1125-1250	380
1 1/4"-1 3/8"	-	-	THD1250-1375	860
1 3/8"-1 1/2"	-	-	THD1375-1500	1,100
1 5/8"	-	-	THD1625	1,180
1 3/4"	-	-	THD1750	1,790

Note: Standard Duty - According to Federal Specification FF-276b, Type 11

Note: Heavy Duty - According to Federal Specification FF-276b, Type 111



**STANDARD DUTY**



**HEAVY DUTY**

**STAINLESS STEEL WIRE ROPE THIMBLES**

**Standard Duty and Heavy Duty**

SIZE	SS STANDARD DUTY		SS HEAVY DUTY	
	STOCK NUMBER	WT./100 PCS. (LBS.)	STOCK NUMBER	WT./100 PCS. (LBS.)
1/16"	STH062SD	1	-	-
3/32"	STH093SD	2	-	-
1/8"	STH125SD	2	-	-
3/16"	STH187SD	2	-	-
1/4"	STH250SD	3	STH250HD	6
5/16"	STH312SD	4	STH312HD	9
3/8"	STH375SD	6	STH375HD	16
1/2"	STH500SD	9	STH500HD	25
5/8"	STH625SD	18	STH625HD	66
3/4"	STH750SD	28	STH750HD	125
1"	STH100SD	46	STH100HD	225
1 1/4"	-	-	STH1250HD	336

Note: Standard Duty - According to Federal Specification FF-276b, Type 11

Note: Heavy Duty - According to Federal Specification FF-276b, Type 111



**STAINLESS STEEL  
STANDARD DUTY**



**STAINLESS STEEL  
HEAVY DUTY**

## SLEEVES - SWAGE FITTINGS

### Aluminum & Copper

CABLE SIZE	ALUMINUM		COPPER	
	STOCK NUMBER	WT./100 PCS. (LBS.)	STOCK NUMBER	WT./100 PCS. (LBS.)
1/16"	ASL062	.10	CSL062	.29
3/32"	ASL093	.32	CSL093	.60
1/8"	ASL125	.66	CSL125	1.62
5/32"	ASL156	.80	CSL156	2.28
3/16"	ASL187	1.52	CSL187	5.20
7/32"	ASL218	2.22	CSL218	4.55
1/4"	ASL250	2.52	CSL250	7.85
5/16"	ASL312	4.35	CSL312	11.86
3/8"	ASL375	5.82	CSL375	15.8
7/16"	ASL437	11.8	-	-

Note Packaging: 100 pieces or 1,000 pieces per carton



**ALUMINUM SLEEVES**



**PLAIN COPPER SLEEVES**

## SLEEVES - SWAGE FITTINGS Zinc Plated Copper & Stainless Steel

CABLE SIZE	ZINC PLATED COPPER		STAINLESS STEEL	
	STOCK NUMBER	WT./100 PCS. (LBS.)	STOCK NUMBER	WT./100 PCS. (LBS.)
1/16"	CSL062ZP	.30	SSSL062	.18
3/32"	CSL093ZP	.50	SSSL093	.20
1/8"	CSL125ZP	1.60	SSSL125	.40
5/32"	CSL156ZP	2.20	-	-
3/16"	CSL187ZP	5.10	SSSL187	1.70
7/32"	CSL218ZP	4.40	-	-
1/4"	CSL250ZP	7.80	SSSL250	4.50
5/16"	CSL312ZP	11.50	SSSL312	-
3/8"	CSL375ZP	14.60	SSSL375	-

Note Packaging: 100 pieces or 1,000 pieces per carton



**ZINC PLATED COPPER SLEEVES**



**STAINLESS STEEL**

## STOPS - SWAGE FITTINGS

### Aluminum & Copper

CABLE SIZE	ALUMINUM		COPPER	
	STOCK NUMBER	WT./100 PCS. (LBS.)	STOCK NUMBER	WT./100 PCS. (LBS.)
1/16"	AST062	.06	CST062	.49
3/32"	AST093	.25	CST093	.78
1/8"	AST125	.21	CST125	.90
5/32"	AST156	.37	CST156	1.20
3/16"	AST187	.35	CST187	1.06
7/32"	AST218	.63	CST218	1.86
1/4"	AST250	2.1	CST250	5.1
5/16"	AST312	2.2	CST312	5.2
3/8"	AST375	2.2	CST375	6.1

Note Packaging: 100 pieces or 1,000 pieces per carton



**ALUMINUM STOPS**



**COPPER STOPS**



## CABLE AND WIRE ROPE CUTTERS

MODEL	CABLE SIZE	CASE PACK	TYPE	LENGTH	WEIGHT (LBS.)
CUTTER187	1/64" - 3/16"	1	One Hand	8"	0.62
CUTTER500	1/4" - 1/2"	1	Two Hand	18"	8
CUTTER625	3/8" - 5/8"	1	Two Hand	24"	12

*Note: Cable cutters are sharp tools. Use cable cutters with extreme caution. Only use the cable cutters to cut steel cable and wire rope.*



**CUTTER 187**



**CUTTER 500, 625**

## SWAGING TOOLS

MODEL	CABLE SIZE	NUMBER OF CAVITIES	TYPE	LENGTH	WEIGHT (LBS.)
SWAGE062	1/16", 3/32"	1	One Hand	8"	1
SWAGE125	1/16", 1/8", 5/32"	3	One Hand	11"	4.0
HSC-600	1/16" through 3/16"	5	Two Hand	26"	6.5
HSC-600BENCH	1/16" through 3/16"	5	Bench Mounted	22.5"	6.6
SWAGE250-312	1/4", 5/32", 5/16"	3	Two Hand	30"	10
SWAGE375	3/8"	1	Two Hand	36"	13.5

*Note: Always follow swaging instructions provided with the tools. Use a gauge to check that the sleeves have been fully swaged. Properly swaged aluminum and copper sleeves will develop the rated breaking strength of the cable.*



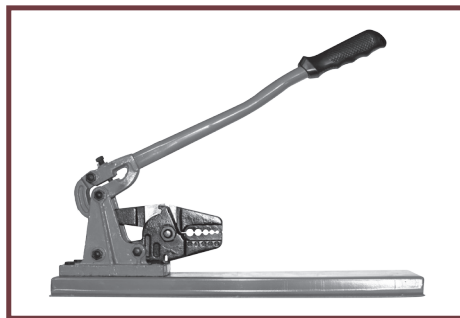
**SWAGE 062**



**HSC-600**



**SWAGE 125**



**HSC-600 BENCH**



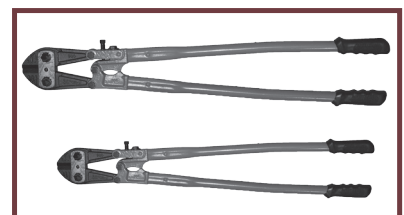
**SWAGE 250-312**



**SWAGE 375**

## CHAIN AND BOLT CUTTERS

MODEL	MAXIMUM CHAIN SIZE	LENGTH	WEIGHT (LBS.)
CUTTERCH375	3/8" G-70	30"	9
CUTTERCH500	1/2" G-43	36"	11
CUTTERCH625	1/2" G-70	42"	13



**BOLT CUTTERS**

## CABLE AND WIRE ROPE MEASURING METER

MODEL	CABLE SIZE	STOCK NUMBER	MAX LENGTH (FT.)	WEIGHT (LBS.)
#1410	1/16" - 1"	Call For Part Number	9,999	5

## TURNBUCKLES

Hot Galvanized - Drop Forged



**EYE & EYE**



**EYE & HOOK**



**HOOK & HOOK**



**EYE & JAW**



**JAW & JAW**

SIZE	OVERALL CLOSED LENGTH	APPROXIMATE WEIGHT/PIECE (LBS.)			WORKING LOAD LIMIT (LBS.)	
		EYES &/OR HOOKS	EYE & JAW	JAW & JAW	HOOK & HOOK EYE & HOOK	EYE & EYE EYE & JAW JAW & JAW
1/4" X 4"	8.1"	.30	.30	.40	400	500
5/16" X 4 1/2"	9.5"	.53	.53	.58	700	800
3/8" X 6"	11.8"	.75	.82	.93	1,000	1,200
1/2" X 6"	13.5"	1.50	1.62	1.68	1,500	2,200
1/2" X 9"	16.5"	1.75	1.82	1.85	1,500	2,200
1/2" X 12"	19.5"	2.18	2.19	2.20	1,500	2,200
5/8" X 6"	15.5"	2.63	2.59	2.82	2,250	3,500
5/8" X 9"	18.3"	3.00	3.01	3.25	2,250	3,500
5/8" X 12"	21.3"	3.25	3.50	3.75	2,250	3,500
3/4" X 6"	17.1"	3.75	4.25	4.68	3,000	5,200
3/4" X 9"	20.1"	4.50	5.0	5.38	3,000	5,200
3/4" X 12"	23.1"	5.75	5.75	6.12	3,000	5,200
3/4" X 18"	29.1"	7.0	7.25	7.75	3,000	5,200
7/8" X 12"	24.6"	8.38	8.88	9.36	4,000	7,200
7/8" X 18"	30.6"	10.25	10.6	11.44	4,000	7,200
1" X 6"	21.0"	9.04	9.50	10.2	5,000	10,000
1" X 12"	26.9"	11.25	12.0	12.88	5,000	10,000
1" X 18"	32.9"	14.0	14.75	16.1	5,000	10,000
1" X 24"	39.1"	17.0	17.75	18.6	5,000	10,000
1 1/4" X 12"	30.1"	19.0	21.2	23.6	6,500	15,200
1 1/4" X 18"	36.1"	24.1	26.0	26.6	6,500	15,200
1 1/4" X 24"	42.1"	25.0	28.7	31.2	6,500	15,200
1 1/2" X 12"	32.3"	27.0	31.1	35.5	7,500	21,400
1 1/2" X 18"	38.3"	31.2	36.4	40.7	7,500	21,400
1 1/2" X 24"	44.3"	38.2	44.2	47.6	7,500	21,400
2" X 24"	51.7"	85.3	89	95.25	-	37,000

According to Federal Specification FF-T-791b.

## TURNBUCKLES - STUB END

Self Colored



**STUB END**

SIZE	OVERALL CLOSED LENGTH	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8" X 6"	16"	.75	1,200
1/2" X 6"	16"	1.25	2,200
5/8" X 6"	16"	2.11	3,500
3/4" X 6"	17"	3.25	5,200
7/8" X 6"	18"	4.78	7,200
1" X 6"	19"	6.36	10,000
1 1/4" X 6"	20"	10.4	15,200
1 1/2" X 6"	20.5"	15.4	21,400

## STOCK NUMBER GUIDE

EYE & EYE	EYE & HOOK	HOOK & HOOK	EYE & JAW	JAW & JAW	STUB END
TBEE(size)	TBEH (size)	TBHH (size)	TBEJ (size)	TBJJ (size)	TBSS (size)

## STAINLESS STEEL FORGED TURNBUCKLES

Type 316

SIZE	STOCK NUMBER		WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
	EYE & EYE	JAW & JAW		
1/4" x 4"	SSTB250EE	SSTB250JJ	0.20	500
5/16" x 4 1/2"	SSTB312EE	SSTB312JJ	0.37	800
3/8" x 6"	SSTB375EE	SSTB375JJ	0.75	1,200
1/2" x 6"	SSTB500EE	SSTB500JJ	1.50	2,200
5/8" x 6"	SSTB625EE	SSTB625JJ	2.63	3,500
3/4" x 6"	SSTB750EE	SSTB750JJ	3.75	5,200
1" x 6"	SSTB100X6EE	SSTB100X6JJ	8.5	10,000
1" x 12"	SSTB100EE	SSTB100JJ	11.5	10,000
1 1/4" x 12"	SSTB1250EE	SSTB1250JJ	21.5	15,200



**EYE & EYE  
TURNBUCKLE**  
SS TYPE 316 FORGED



**JAW & JAW  
TURNBUCKLE**  
SS TYPE 316 FORGED

## STAINLESS STEEL CAST TURNBUCKLES

Type 316

SIZE	STOCK NUMBER			WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
	EYE & EYE	HOOK & HOOK	JAW & JAW		
3/16" x 2 3/4"	SSTB187EEC	SSTB187HHC	SSTB187JJC	0.15	320
1/4" x 4"	SSTB250EEC	SSTB250HHC	SSTB250JJC	0.25	450
5/16" x 4 1/2"	SSTB312EEC	SSTB312HHC	SSTB312JJC	0.38	850
3/8" x 6"	SSTB375EEC	SSTB375HHC	SSTB375JJC	0.75	1,200
1/2" x 6"	SSTB500EEC	SSTB500HHC	SSTB500JJC	1.50	1,650
5/8" x 6"	SSTB625EEC	SSTB625HHC	SSTB625JJC	2.63	2,000
3/4" x 6"	SSTB750EEC	SSTB750HHC	SSTB750JJC	3.75	3,000



**EYE & EYE  
TURNBUCKLE**  
SS TYPE 316 CAST



**HOOK & HOOK  
TURNBUCKLE**  
SS TYPE 316 CAST



**JAW & JAW  
TURNBUCKLE**  
SS TYPE 316 CAST

## ALUMINUM CAST MIDGET TURNBUCKLES

Turned Steel Eye & Hook

SIZE	STOCK NUMBER	OVERALL CLOSED LENGTH	WEIGHT/PIECE (LBS.)
1/4" x 2 7/8"	TBEH250X2875AC	5 3/8"	0.25
5/16" x 3 1/2"	TBEH312X3500AC	5 7/8"	.30
3/8" x 4 1/8"	TBEH375X4125AC	7 3/8"	.35



**MIDGET TURNBUCKLE**  
ALUMINUM BODY

## EYE BOLTS - HOT GALVANIZED, DROP FORGED



**REGULAR NUT  
EYE BOLT**



**SHOULDER NUT  
EYE BOLT**

Note: Ultimate Load is 5 times the Working Load Limit. Working Load Limit applies to straight line pull only. Angle pulls can only be used with shoulder eye bolts and the Working Load Limit is reduced: 45° pull - 30% of WLL, 90° pull - 25% of WLL.



**EYE NUT**

SIZE	STOCK NUMBER		WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)	
	REGULAR	SHOULDER		REGULAR	SHOULDER
1/4" X 2"	EB250X2P	EB250X2S	500	0.07	0.06
1/4" X 4"	EB250X4P	EB250X4S	500	0.12	0.09
5/16" X 2-1/4"	EB312X225P	EB312X225S	800	0.13	0.11
5/16" X 4-1/4"	EB312X425P	EB312X425S	800	0.20	0.15
3/8" X 2-1/2"	EB375X250P	EB375X250S	1,200	0.24	0.19
3/8" X 4-1/2"	EB375X450P	EB375X450S	1,200	0.31	0.25
3/8" X 6"	EB375X6P	EB375X6S	1,200	0.35	0.32
3/8" X 8"	EB375X8P	EB375X8S	1,200	0.40	0.38
1/2" X 3-1/4"	EB500X325P	EB500X325S	2,200	0.55	0.51
1/2" X 6"	EB500X6P	EB500X6S	2,200	0.62	0.59
1/2" X 8"	EB500X8P	EB500X8S	2,200	0.78	-
1/2" X 10"	EB500X10P	EB500X10S	2,200	0.88	-
1/2" X 12"	EB500X12P	EB500X12S	2,200	1.05	-
1/2" X 18"	EB500X18P	EB500X18S	2,200	1.25	-
5/8" X 4"	EB625X4P	EB625X4S	3,500	1.01	0.83
5/8" X 6"	EB625X6P	EB625X6S	3,500	1.24	1.00
5/8" X 8"	EB625X8P	EB625X8S	3,500	1.31	-
5/8" X 10"	EB625X10P	EB625X10S	3,500	1.60	-
5/8" X 12"	EB625X12P	EB625X12S	3,500	1.86	-
5/8" X 15"	EB625X15P	-	3,500	2.10	-
5/8" X 18"	EB625X18P	-	3,500	2.40	-
5/8" X 21"	EB625X21P	-	3,500	2.65	-
5/8" X 24"	EB625X24P	-	3,500	3.25	-
3/4" X 4-1/2"	EB750X450P	EB750X450S	5,200	1.61	1.5
3/4" X 6"	EB750X6P	EB750X6S	5,200	1.84	1.7
3/4" X 8"	EB750X8P	EB750X8S	5,200	2.08	-
3/4" X 10"	EB750X10P	EB750X10S	5,200	2.30	-
3/4" X 12"	EB750X12P	EB750X12S	5,200	2.52	-
3/4" X 15"	EB750X15P	EB750X15S	5,200	2.70	-
7/8" X 5"	EB875X5P	EB875X5S	7,200	2.50	-
7/8" X 6"	EB875X6P	EB875X6S	7,200	2.84	-
7/8" X 8"	EB875X8P	EB875X8S	7,200	3.20	-
7/8" X 12"	EB875X12P	EB875X12S	7,200	3.87	-
1" X 6"	EB100X6P	EB100X6S	10,000	3.85	3.75
1" X 9"	EB100X9P	EB100X9S	10,000	4.52	4.29
1" X 12"	EB100X12P	EB100X12S	10,000	5.26	-
1" X 18"	EB100X18P	-	10,000	6.67	-

## EYE NUTS - HOT GALVANIZED, DROP FORGED

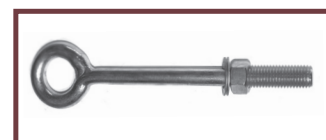
STANDARD TAP SIZE	STANDARD BAIL SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	1/4"	EN250HDG	520	0.09
5/16"	1/4"	EN312HDG	700	0.10
3/8"	5/16"	EN375HDG	1,250	0.15
1/2"	3/8"	EN500HDG	2,250	0.28
5/8"	1/2"	EN625HDG	3,600	0.55
3/4"	5/8"	EN750HDG	5,200	1.00
7/8"	3/4"	EN875HDG	7,200	1.50
1"	7/8"	EN100HDG	10,000	2.45



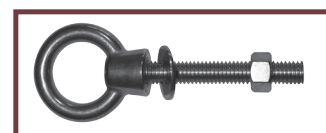
## STAINLESS STEEL EYE BOLTS

With Nut and Washer

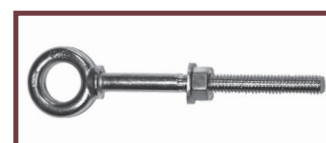
SIZE	STOCK NUMBER			WORKING LOAD LIMIT (LBS.)			WEIGHT/PIECE (LBS.)		
	WELDED	SHOULDER	FORGED SHOULDER	WELDED	SHOULDER	FORGED SHOULDER	WELDED	SHOULDER	FORGED SHOULDER
1/4" x 1 1/2"	SEB250X150W	SEB250X150S	SEB250X150F	200	400	400	0.03	0.03	0.03
1/4 x 2 1/4"	SEB250X225W	SEB250X225S	SEB250X225F	200	400	400	0.05	0.05	0.05
1/4" x 3"	SEB250X300W	SEB250X300S	SEB250X300F	200	400	400	0.06	0.06	0.06
5/16" x 2 1/4"	SEB312X225W	SEB312X225S	SEB312X225F	350	800	800	0.10	0.10	0.10
5/16" x 3"	SEB312X300W	SEB312X300S	SEB312X300F	350	800	800	0.13	0.13	0.13
5/16" x 4"	SEB312X400W	SEB312X400S	SEB312X400F	350	800	800	0.15	0.15	0.15
5/16" x 4 1/2"	SEB312X450W	SEB312X450S	SEB312X450F	350	800	800	0.17	0.17	0.17
3/8" x 1 1/4"	SEB375X125W	SEB375X125S	SEB375X125F	600	1,350	1,350	0.16	0.16	0.16
3/8" x 3"	SEB375X300W	SEB375X300S	SEB375X300F	600	1,350	1,350	0.22	0.22	0.22
3/8" x 4"	SEB375X400W	SEB375X400S	SEB375X400F	600	1,350	1,350	0.25	0.25	0.25
3/8" x 4 1/2"	SEB375X450W	SEB375X450S	SEB375X450F	600	1,350	1,350	0.28	0.28	0.28
1/2" x 4"	SEB500X400W	SEB500X400S	SEB500X400F	1,000	2,100	2,100	0.40	0.40	0.40
1/2" x 4 1/2"	SEB500X450W	SEB500X450S	SEB500X450F	1,000	2,100	2,100	0.45	0.45	0.45
5/8" x 6"	-	SEB625X600S	SEB625X600F	-	3,800	3,800	-	1.10	1.10
3/4" x 6"	-	SEB750X600S	SEB750X600F	-	6,200	6,200	-	1.60	1.60



**WELDED EYE BOLT**



**FABRICATED SHOULDER EYE BOLT**



**FORGED SHOULDER EYE BOLT**

## STAINLESS STEEL LIFTING EYE BOLTS - UNC THREAD

SIZE	STOCK NUMBER	SHANK LENGTH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	SLEB250	9/16"	400	0.05
5/16"	SLEB312	9/16"	800	0.07
3/8"	SLEB375	11/16"	1,320	0.13
1/2"	SLEB500	7/8"	2,100	0.30
5/8"	SLEB625	1 1/16"	3,900	0.45
3/4"	SLEB750	1 1/8"	6,300	0.79
1"	SLEB100	1 3/8"	9,500	1.65

Type 316

## STAINLESS STEEL LIFTING EYE NUTS - UNC THREAD

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	SSEN250	400	0.05
5/16"	SSEN312	800	0.07
3/8"	SSEN375	1,320	0.14
1/2"	SSEN500	2,100	0.30
5/8"	SSEN625	3,900	0.45
3/4"	SSEN750	6,300	0.80
1"	SSEN100	9,500	1.65



**LIFTING EYE BOLT**



**LIFTING EYE NUT**

Type 316

## SHOULDER PATTERN SCREW EYE BOLTS

Galvanized



**SHOULDER PATTERN SCREW EYE BOLT**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT(LBS.)	WEIGHT/PIECE (LBS.)
1/4" X 2"	SCEB250X200	500	0.04
5/16" X 2 1/4"	SCEB312X225	800	0.06
3/8" X 2 1/2"	SCEB375X250	1,200	0.18
1/2" X 3 1/4"	SCEB500X325	2,200	0.37
5/8" X 4"	SCEB625X400	3,500	0.84
3/4" X 4 1/2"	SCEB750X450	5,200	1.27

## MACHINERY EYE BOLTS -

### SHOULDER PATTERN OR PLAIN PATTERN

Self Colored



**SHOULDER PATTERN MACHINERY EYE BOLT**

SIZE	STOCK NUMBER		WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
	SHOULDER	PLAIN PATTERN		
1/4" X 1"	MEB250X100S	MEB250X100P	650	0.05
5/16" X 1 1/8"	MEB312X1125S	MEB312X1125P	1,200	0.08
3/8" X 1 1/4"	MEB375X1250S	MEB375X1250P	1,550	0.15
1/2" X 1 1/2"	MEB500X1500S	MEB500X1500P	2,600	0.35
5/8" X 1 3/4"	MEB625X1750S	MEB625X1750P	5,200	0.65
3/4" X 2"	MEB750X200S	MEB750X200P	7,200	1.00
7/8" X 2 1/4"	MEB875X2250S	MEB875X2250P	10,600	1.53
1" X 2 1/2"	MEB100X2500S	MEB100X2500P	13,300	2.30
1 1/4" X 3"	MEB1250X300S	MEB1250X300P	21,000	3.80
1 1/2" X 3 1/2"	MEB1500X3500S	MEB1500X3500P	24,000	7.00



**PLAIN PATTERN MACHINERY EYE BOLT**

### IMPORTANT SAFETY INFORMATION:

DIRECTION OF PULL (FROM IN-LINE)	ADJUSTED WORKING LOAD
45 degrees	30% of rated working load
90 degrees	25% of rated working load

Warning: The full ratings of machinery eye bolts can only be achieved by pulling directly in line with the threads. For angled lifts, we recommend swivel hoist rings. (See pg. 25)

## SAFETY SWIVEL HOIST RINGS

Machined

STOCK NUMBER	U-BAR DIAMETER	RATED LOAD (LBS.)	THREAD SIZE	THREAD PROTRUSION	TORQUE
46100	3/8"	600	1/4" - 20	0.54"	6ft/lb
46104	3/8"	800	5/16" - 18	0.54"	7ft/lb
46106	3/8"	1,000	3/8" - 16	0.54"	12ft/lb
46606	1/2"	2,000	7/16" - 14	1.07"	22ft/lb
46602	1/2"	2,500	1/2" - 13	1.07"	28ft/lb
46008	3/4"	2,500	1/2" - 13	0.78"	28ft/lb
46007	3/4"	2,500	9/16" - 12	0.78"	30ft/lb
46002	3/4"	4,000	5/8" - 11	0.78"	60ft/lb
46018	3/4"	5,000	3/4" - 10	1.53"	100ft/lb
46204	1"	7,000	3/4" - 10	1.04"	100ft/lb
46202	1"	8,000	7/8" - 9	1.04"	160ft/lb
46210	1"	10,000	1" - 8	1.29"	230ft/lb



**SWIVEL HOIST RING MACHINED**

## SWIVEL HOIST RINGS

Forged

STOCK NUMBER	RATED LOAD (LBS.)	THREAD SIZE	THREAD PROTRUSION	TORQUE
56100	600	1/4" - 20	0.50"	5 ft/lb
56102	800	5/16" - 18	0.50" or 1.00"	7 ft/lb
56106	1,000	3/8" - 16	0.50" or 1.00"	12 ft/lb
56008	2,500	1/2" - 13	0.75"	28 ft/lb
56010	2,500	1/2" - 13	1.00"	28 ft/lb
56012	2,500	1/2" - 13	1.25"	28 ft/lb
56002	4,000	5/8" - 11	0.75"	60 ft/lb
56004	4,000	5/8" - 11	1.00"	60 ft/lb
56006	4,000	5/8" - 11	1.25"	60 ft/lb
56014	5,000	3/4" - 10	1.00" or 1.50"	100 ft/lb
56204	7,000	3/4" - 10	1.00"	100 ft/lb
56203	7,000	3/4" - 10	1.25"	100 ft/lb
56206	7,000	3/4" - 10	1.50"	100 ft/lb
56202	8,000	7/8" - 9	1.00" or 1.25"	160 ft/lb
56210	10,000	1" - 8	1.25"	230 ft/lb
56212	10,000	1" - 8	1.50"	230 ft/lb
56214	10,000	1" - 8	2.25"	230 ft/lb
56802	15,000	1 1/4" - 7	2.00" or 2.75"	470 ft/lb
56702	20,000	1 3/8" - 6	2.75"	540 ft/lb
56404	24,000	1 1/2" - 6	2.75"	800 ft/lb



**SWIVEL HOIST RING FORGED**

## SWIVEL EYE BOLT

STOCK NUMBER	THREAD DIAMETER/PITCH	THREAD LENGTH	WORKING LOAD LIMIT (LBS.)	SAFETY FACTOR	WEIGHT/PIECE (LBS.)
SEB M8	8mm / 1.25	14mm	660	5	0.52
SEB M10	10mm / 1.50	17mm	1,320	5	0.53
SEB M12	12mm / 1.75	21mm	2,200	5	0.54
SEB M16	16mm / 2.00	27mm	3,520	5	1.75
SEB M20	20mm / 2.50	30mm	5,500	5	1.76
SEB M24	24mm / 3.00	36mm	8,800	5	5.72
SEB M30	30mm / 3.50	45mm	13,860	5	5.94
SEB M36	36mm / 4.00	54mm	22,000	5	17.6
SEB M42	42mm / 4.50	63mm	27,500	5	17.82
SEB M48	48mm / 5.00	68mm	33,000	4	19.8



**SWIVEL EYE BOLT MACHINED**

## MANILA ROPE

### 3 Strand, Twisted Manila Rope



**MANILA ROPE**

SIZE		STOCK NUMBER	FEET/REEL	STRENGTH/ LBS.	WEIGHT/100 FT. (LBS.)
DIAMETER	CIRCUMFERENCE				
3/16"	5/8"	MAN187X600	600	405	1.5
1/4"	3/4"	MAN250X600	600	540	2.0
5/16"	1"	MAN312X600	600	900	2.9
3/8"	1 1/8"	MAN375X600	600	1,215	4.1
1/2"	1 1/2"	MAN500X600	600	2,385	7.5
5/8"	2"	MAN625X600	600	3,960	13.3
3/4"	2 1/4"	MAN750X600	600	4,860	16.7
7/8"	2 3/4"	MAN875X600	600	6,930	22.5
1"	3"	MAN100X600	600	8,100	27.0

## POLYPROPYLENE ROPE

### 3 Strand, Twisted Yellow Rope



**POLYPROPYLENE ROPE**

SIZE		STOCK NUMBER	FEET/REEL	STRENGTH/ LBS.	WEIGHT/100 FT. (LBS.)
DIAMETER	CIRCUMFERENCE				
3/16"	5/8"	POLY187X1200	1,200	720	0.7
1/4"	3/4"	POLY250X600	600	1,130	1.2
5/16"	1"	POLY312X600	600	1,710	1.8
3/8"	1 1/8"	POLY375X600	600	2,430	2.8
1/2"	1 1/2"	POLY500X600	600	3,780	4.7
5/8"	2"	POLY625X600	600	5,580	7.5
3/4"	2 1/4"	POLY750X600	600	7,650	10.7
7/8"	2 3/4"	POLY875X600	600	10,400	15.0
1"	3"	POLY100X600	600	12,600	18.0

## NYLON ROPE

### 3 Strand, Twisted White Rope



**NYLON ROPE**

SIZE		STOCK NUMBER	FEET/REEL	STRENGTH/ LBS.	WEIGHT/100 FT. (LBS.)
DIAMETER	CIRCUMFERENCE				
3/16"	5/8"	NYLON187X600	600	1,000	1.2
1/4"	3/4"	NYLON250X600	600	1,650	2.0
5/16"	1"	NYLON312X600	600	2,550	3.1
3/8"	1 1/8"	NYLON375X600	600	3,700	4.5
1/2"	1 1/2"	NYLON500X600	600	6,400	8.0
5/8"	2"	NYLON625X600	600	10,400	13.0
3/4"	2 1/4"	NYLON750X600	600	14,200	17.5
7/8"	2 3/4"	NYLON875X600	600	20,000	25.0
1"	3"	NYLON100X600	600	25,000	30.5



**TAGLINE**

**TAGLINE - Call with diameter and length requirements.**



**PLASMA® 12 STRAND**

NOMINAL DIAMETER		SIZE (CIRC. IN.)	APPROXIMATE WEIGHT	MINIMUM TENSILE STRENGTH	
INCH	MM		LBS./100 FT.	LBS.	TE (TONNES)
1/4	6	3/4	1.6	8,000	3.6
5/16	8	15/16	2.5	11,700	5.3
3/8	9	1 1/8	3.7	17,500	7.9
ABS AND DNV APPROVED SIZES					
7/16	11	1 1/4	4.2	21,000	9.5
1/2	12	1 1/2	6.4	31,300	14.2
9/16	14	1 3/4	7.9	37,900	17.2
5/8	16	2	10.6	51,400	23.3
3/4	18	2 1/4	13.3	68,500	31.1
7/8	22	2 3/4	19.6	92,600	42.0
1	24	3	23.3	110,000	49.9
1 1/8	28	3 1/2	31.9	147,000	66.7
1 1/4	30	3 3/4	36.2	165,000	74.9

Tensile Strengths are determined in accordance with Cordage Institute 1500.2.

**Features & Benefits**

- Highest strength
- Lowest stretch
- Low creep
- Soft hand
- Torque-free
- Easy splicing
- Floats



**PLASMA® BRIDLES**

ROPE SIZE DIAMETER	MINIMUM TENSILE STRENGTH (LBS.)	WORKING LOAD LIMIT(LBS.)	WEIGHT PER 100 FT. (LBS.)
1"	110,000	22,000	23.4
1 1/8"	147,000	29,400	31.9
1 1/4"	165,000	33,000	36.2
1 5/16"	196,000	39,200	41.7
1 1/2"	221,000	44,200	51.7

**Applications**

- Replacement for wire rope
- Vessel mooring lines
- Inland river barge lines
- Lifting slings
- Recreational vehicle winch lines
- Utility winch and pulling lines
- Theatrical rigging



## GIN BLOCK For Manila Rope - Painted, Bronze Bushing



**GIN BLOCK**

SHEAVE DIMENSIONS			MANILA ROPE SIZE	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
STOCK NUMBER	OUTSIDE DIAMETER	RIM THICKNESS			
BLOCKGIN	12"	1 3/8"	7/8" - 1"	1,000	15

*Note: For light hoisting by roofers and contractors.*

## GALVANIZED YARDING BLOCK With Shackle & Pin (Grease Fitting)



**GALVANIZED YARDING BLOCK**

SHEAVE SIZE	STOCK NUMBER	CABLE SIZE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)
3"	BLOCK1.5TYARD	1/4"	1.5	3.6
4"	BLOCK3TYARD	3/8"	3.0	5.8
5"	BLOCK4.5TYARD	1/2"	4.5	9.0
6"	BLOCK6TYARD	5/8"	6.0	15.0

## SNATCH BLOCK WITH HOOK OR SHACKLE



**SNATCH BLOCK WITH SHACKLE**

SHEAVE SIZE	STOCK NUMBER	WIRE ROPE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)
3"	BLOCK2TSNCH	3/8"	2.0	5.0
4 1/2"	BLOCK4TSNCH	1/2"	4.0	12.0
6"	BLOCK8T6SNCH	3/4"	8.0	28.0
8"	BLOCK8T8SNCH	3/4"	8.0	34.0
10"	BLOCK8T10SNCH	3/4"	8.0	46.0
8"	BLOCK12T8SNCH	3/4 - 7/8"	12.0	53.0
10"	BLOCK12T10SNCH	3/4 - 7/8"	12.0	61.0
10"	BLOCK20TSNCH	1 1/8"	20.0	118.0



**SNATCH BLOCK WITH HOOK**

## TAIL BOARD BLOCK For Wire Rope - Painted, Bronze Bushing



**TAIL BOARD BLOCK**

SHEAVE SIZE	STOCK NUMBER	WIRE ROPE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)
3"	BLOCK2TTAIL	3/8"	2	3
4 1/2"	BLOCK4TTAIL	1/2"	4	7
6"	BLOCK8T6TAIL	3/4"	8	15
8"	BLOCK8T8TAIL	3/4"	8	21
10"	BLOCK8T10TAIL	3/4"	8	29

**LIGHT DUTY RIGGING BLOCK**

Stamped Steel Side Plates

SHEAVE SIZE	STOCK NUMBER	CABLE SIZE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)
3"	BLOCK1TRIG3	3/8"	1.0	2.60
4"	BLOCK1TRIG4	3/8"	1.0	5.00



**LIGHT DUTY RIGGING BLOCK**

**HAY FORK PULLEY**

Galvanized

SHEAVE DIAMETER	STOCK NUMBER	ROPE SIZE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)
4"	BLOCK1THFROPE	1 1/4" MR	1.0	6.38
4"	BLOCK1THFWR	1/2" WR	1.0	6.29
6"	BLOCK2THRROPE	1 1/2" MR	2.0	14.63
6"	BLOCK2THFWR	5/8" WR	2.0	13.42

MR - Manila Rope WR - Wire Rope



**HAY FORK PULLEY**

**TRAWL BLOCK**

SHEAVE DIAMETER	STOCK NUMBER	WORKING LOAD LIMIT (TONS)	OUTSIDE WEIGHT (LBS.)	SHEAVE DIMENSIONS	
				RIM DIAMETER	THICKNESS
8"	BLOCK10TTRWL	10	48	8"	3.75"
12"	BLOCK10TTRWL	10	85	12"	3.75"
16"	BLOCK20TTRWL	20	116	16"	3.75"
22"	BLOCK30TTRWL	30	240	22"	3.75"



**TRAWL BLOCK**

**TRY NET BLOCK**

SHEAVE DIAMETER)	STOCK NUMBER	BEARING TYPE	WORKING LOAD LIMIT (TONS)	WEIGHT (LBS.)	SHEAVE DIAMETER	
					OUTSIDE DIAMETER	RIM THICKNESS
6"	BLOCK5TTN	Bronze Bushed	5	23	6"	2 3/4"
8"	BLOCK10TTN	Tapered Bearing	10	57	8"	2 7/8"

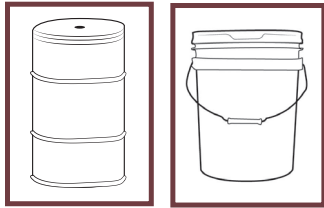


**TRY NET BLOCK**

## GRADE 30 PROOF COIL CHAIN



**GRADE 30 PROOF COIL CHAIN**



**DRUMS**

**PAILS**

STOCK NUMBER			SIZE	FEET/DRUM	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT
SELF COLORED	BRIGHT ZINC	HOT GALVANIZED				
SCPC187	ZPPC187	HGPC187	3/16"	750, 1500	0.41	750
SCPC250	ZPPC250	HGPC250	1/4"	400, 800	0.68	1,250
SCPC312	ZPPC312	HGPC312	5/16"	275, 550	1.02	1,900
SCPC375	ZPPC375	HGPC375	3/8"	200, 400	1.47	2,650
SCPC500	ZPPC500	HGPC500	1/2"	100, 200	2.52	4,500
SCPC625	ZPPC625	HGPC625	5/8"	75, 150	4.06	6,900
SCPC750	ZPPC750	HGPC750	3/4"	50, 100	5.81	10,600
-	-	HGPC100	1"	60	9.24	17,950
100# DEALER PAILS						
SCPC187X250	ZPPC187X250	HGPC187X250	3/16"	250	0.41	750
SCPC250X141	ZPPC250X141	HGPC250X141	1/4"	141	0.68	1,250
SCPC312X92	ZPPC312X92	HGPC312X92	5/16"	92	1.02	1,900
SCPC375X66	ZPPC375X66	HGPC375X66	3/8"	66	1.47	2,650
SCPC500X35	ZPPC500X35	HGPC500X35	1/2"	35	2.52	4,500

## GRADE 43 HIGH TEST CHAIN



**GRADE 43 HIGH TEST CHAIN**

Note: Grade 30, Grade 43, and Grade 70 chain are not suitable for overhead lifting.

STOCK NUMBER			SIZE	FEET/DRUM	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT
SELF COLORED	BRIGHT ZINC	HOT GALVANIZED				
SCHT250	ZPHT250	HGHT250	1/4"	400, 800	0.71	2,600
SCHT312	ZPHT312	HGHT312	5/16"	275, 550	1.04	3,900
SCHT375	ZPHT375	HGHT375	3/8"	200, 400	1.48	5,400
SCHT500	ZPHT500	HGHT500	1/2"	100, 200	2.51	9,200
SCHT625	ZPHT625	HGHT625	5/8"	75, 150	3.58	11,500
SCHT750	ZPHT750	HGHT750	3/4"	100	5.48	16,200
100# DEALER PAILS						
SCHT250X141	ZPHT250X141	HGHT250X141	1/4"	141	0.71	2,600
SCHT312X92	ZPHT312X92	HGHT312X92	5/16"	92	1.04	3,900
SCHT375X66	ZPHT375X66	HGHT375X66	3/8"	66	1.48	5,400
SCHT500X35	ZPHT500X35	HGHT500X35	1/2"	35	2.51	9,200

## GRADE 70 TRANSPORT CHAIN

Yellow Chromate



**GRADE 70 TRANSPORT CHAIN**

STOCK NUMBER	SIZE	FEET/DRUM-PAIL	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
G70250	1/4"	400, 800	0.63	3,150
G70312	5/16"	275, 550	0.93	4,700
G70375	3/8"	200, 400	1.41	6,600
G70500	1/2"	100, 200	2.40	11,300
G70625	5/8"	75, 150	3.53	15,800
100# DEALER PAILS				
G70250X133	1/4"	133	0.63	3,150
G70312X92	5/16"	92	0.93	4,700
G70375X66	3/8"	66	1.41	6,600
G70500X33	1/2"	33	2.40	11,300

## SQUARE LINK SECURITY CHAIN



**SQUARE LINK SECURITY CHAIN**

CHAIN DIAMETER	STOCK NUMBER	WEIGHT/FOOT (LBS.)	MATERIAL DIAMETER
3/8"	SQLINK375	1.65	0.394"

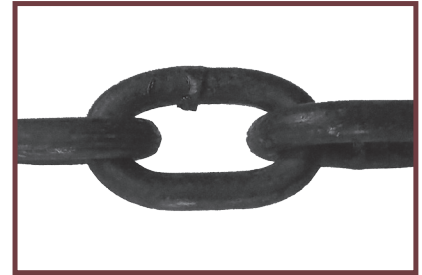
Case Hardened, Zinc Plated



**TRAWL CHAIN**

**Black Lacquer**

SIZE	INSIDE WIDTH	INSIDE LENGTH	SAFE WORKING LOAD (LBS.)	WEIGHT/FEET (LBS.)
3/8"	0.64"	1.631"	6,600	1.41
1/2"	0.873"	2.00"	11,300	2.46
5/8"	0.92"	2.53"	15,750	3.61

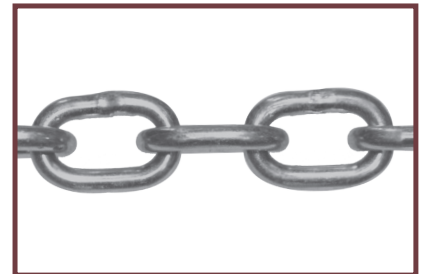


**TRAWL CHAIN**

**MOORING CHAIN**

**Hot Galvanized - G43**

SIZE	SIZE (MM)	INSIDE WIDTH (MM)	INSIDE LENGTH (MM)	SAFE WORKING LOAD (LBS.)
3/8"	10.3	16.3	41.5	4,050
1/2"	13.5	22.2	51.0	6,900
5/8"	16.0	23.4	64.3	9,750
3/4"	20.0	26.7	76.0	11,600



**MOORING CHAIN**

**OPEN LINK ANCHOR CHAIN**

SIZE	GRADE	FINISH	LENGTH
1 1/4"	U1	Painted Black	90'

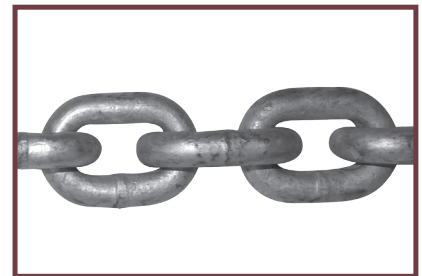


**OPEN LINK ANCHOR CHAIN**

**WINDLASS CHAIN**

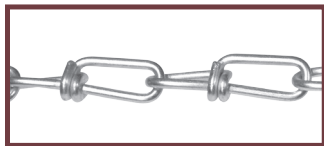
**ISO - Grade 43 - HDG**

SIZE	SIZE (MM)	INSIDE WIDTH (MM)	INSIDE LENGTH (MM)	SAFE WORKING LOAD (LBS.)
1/4"	7.1	10.2	21.3	2,600
5/16"	8.7	12.2	26.1	3,900
3/8"	10.3	14.2	31.1	5,400
1/2"	13.5	22.9	40.4	9,200



**WINDLASS CHAIN**

## DOUBLE LOOP CHAIN



**DOUBLE LOOP CHAIN**

CHAIN TYPE	STOCK NUMBER BRIGHT ZINC	SIZE	MATERIAL DIAMETER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
Double Loop	DL1/0ZP	1/0	0.120"	0.13	200
Double Loop	DL2/0ZP	2/0	0.135"	0.17	255
Double Loop	DL3/0ZP	3/0	0.148"	0.20	305
Double Loop	DL#1ZP	#1	0.105"	0.10	155
Double Loop	DL#2ZP	#2	0.092"	0.08	115
Double Loop	DL#3ZP	#3	0.080"	0.06	90
Double Loop	DL#4ZP	#4	0.072"	0.04	70

## SINGLE JACK CHAIN



**SINGLE JACK CHAIN**

CHAIN TYPE	STOCK NUMBER BRIGHT ZINC	SIZE	MATERIAL DIAMETER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
Single Jack	SJ8ZPX100	#8	0.162"	0.21	60
Single Jack	SJ10ZPX100	#10	0.135"	0.15	43
Single Jack	SJ12ZPX100	#12	0.105"	0.09	29
Single Jack	SJ14ZPX100	#14	0.080"	0.05	16
Single Jack	SJ16ZPX100	#16	0.060"	0.03	10
Single Jack	SJ18ZPX100	#18	0.047"	0.02	5

## STRAIGHT LINK COIL



**STRAIGHT LINK COIL**

CHAIN TYPE	STOCK NUMBER BRIGHT ZINC	SIZE	MATERIAL DIAMETER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
Straight Link Coil	SLC1/0ZP	1/0	0.174"	0.23	440
Straight Link Coil	SLC2/0ZP	2/0	0.192"	0.27	520
Straight Link Coil	SLC4/0ZP	4/0	0.218"	0.35	670
Straight Link Coil	SLC5/0ZP	5/0	0.247"	0.46	880

## TWIST LINK MACHINE CHAIN



**TWIST LINK MACHINE**

CHAIN TYPE	STOCK NUMBER BRIGHT ZINC	SIZE	MATERIAL DIAMETER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
Twist Link Machine	TLM1/0ZP	1/0	0.174"	0.24	415
Twist Link Machine	TLM2/0ZP	2/0	0.192"	0.27	495
Twist Link Machine	TLM4/0ZP	4/0	0.218"	0.33	635

## PASSING LINK CHAIN



**PASSING LINK**

CHAIN TYPE	STOCK NUMBER BRIGHT ZINC	SIZE	MATERIAL DIAMETER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
Passing Link	PASSLINK2/0ZP	2/0	0.192"	0.33	450
Passing Link	PASSLINK4/0ZP	4/0	0.218"	0.41	600

## SASH CHAIN



**SASH CHAIN**

CHAIN TYPE	STOCK NUMBER			SIZE	WEIGHT/ FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
	BRIGHT ZINC	COPPER DIPPED	BRASS			
Sash	SASH#8ZP	SASH#8CD	SASH#8B	# 8	0.04	75
Sash	-	SASH#25CD	SASH#25B	# 25	0.50	94
Sash	SASH#30ZP	SASH#30CD	SASH#30B	# 30	0.55	80
Sash	SASH#35ZP	SASH#35CD	SASH#35B	# 35	0.07	105
Sash	SASH#40ZP	SASH#40CD	SASH#40B	# 40	0.08	140
Sash	SASH#45ZP	SASH#45CD	SASH#45B	# 45	0.01	175
Sash	-	SASH#45CD	SASH#50B	# 50	0.13	225

**SPECIAL FINISH CHAINS**

CHAIN SIZE	STOCK NUMBER	CHAIN TYPE	REEL FINISH	SIZES	WORKING LOAD LIMIT (LBS.)
#8	FOR70431	Sash	Bright Brass	100'	75
#14	FOR70433	Single Jack	Bright Brass	100'	16
#14	FOR70434	Single Jack	Black	100'	16



**BRIGHT BRASS SASH CHAIN**



**BRIGHT BRASS SINGLE JACK CHAIN**



**BLACK SINGLE JACK CHAIN**

**BLACK POWDER COATED CHAIN**

SIZE	STOCK NUMBER	CHAIN GRADE	DRUM LENGTHS	WORKING LOAD LIMIT (LBS.)
3/16"	PCPC187B	Proof Coil	250', 750', 1,500'	750
1/4"	PCPC205B	Proof Coil	141', 400', 800'	1,400
5/16"	PCPC312B	Proof Coil	92', 275', 550'	1,900
3/8"	PCPC375B	Proof Coil	66', 200', 400'	2,650



**BLACK POWDER COATED CHAIN**

**YELLOW POWDER COATED CHAIN**

SIZE	STOCK NUMBER	CHAIN GRADE	DRUM LENGTHS	WORKING LOAD LIMIT (LBS.)
3/16"	PCPC187Y	Proof Coil	250', 750', 1,500'	750
1/4"	PCPC205Y	Proof Coil	141', 400', 800'	1,400
5/16"	PCPC312Y	Proof Coil	92', 275', 550'	1,900
3/8"	PCPC375Y	Proof Coil	66', 200', 400'	2,650



**YELLOW POWDER COATED CHAIN**

**WELDED BRASS CHAIN**

SIZE	STOCK NUMBER	INSIDE LENGTH	INSIDE WIDTH	WORKING LOAD LIMIT (LBS.)	WEIGHT/100 FT. (LBS.)
3/16"	BRASS187	0.95"	0.40"	300	43
1/4"	BRASS250	1.00"	0.50"	500	77
3/8"	BRASS375	1.25"	0.62"	850	165



**WELDED BRASS CHAIN**

**WELDED ALUMINUM CHAIN**

SIZE	STOCK NUMBER	INSIDE LENGTH	INSIDE WIDTH	SAFE WORKING LOAD (LBS.)	WEIGHT/100 FT. (LBS.)
1/4"	ALUM250	1.00"	0.50"	620	24
5/16"	ALUM312	1.10"	0.50"	925	35



**WELDED ALUMINUM CHAIN**



## GRADE 80 ALLOY CHAIN

Black Lacquer

SIZE	STOCK NUMBER	FEET/DRUM	WORKING LOAD LIMIT (LBS.)	WEIGHT/FOOT (LBS.)
9/32"	G80281	400', 800'	3,500	0.72
5/16"	G80312	275', 550'	4,500	1.06
3/8"	G80375	200', 400'	7,100	1.50
1/2"	G80500	100', 200'	12,000	2.61
5/8"	G80625	75', 150'	18,100	3.61
3/4"	G80750	50', 100'	28,300	6.22
7/8"	G80875	75'	34,200	7.32
1"	G80100	60'	47,700	10.21
1 1/4"	G801250	50'	72,300	15.45

Note: Grade 80 alloy chain is approved by OSHA for overhead lifting.

## ALLOY CHAIN SLINGS

<b>SINGLE</b>	Type SOO	Type SOS	Type SOG	Type SOF	Type SSS	Type SGG	Type SGS	Type ASOS*
<b>DOUBLE</b>	Type DOS	Type DOG	Type DOF	Type ADOS*				
<b>TRIPLE</b>	Type TOS	Type TOG	Type TOF	Type QOS	Type QOG	Type QOF		
<b>NOTE:</b>	<b>1ST LETTER INDICATES:</b> S = Single D = Double T = Triple Q = Quadruple		<b>2ND LETTER INDICATES TOP OF FITTING:</b> O = Oblong Link S = Sling Hook G = Grab Hook F = Foundry		<b>3RD LETTER INDICATES LOWER FITTING:</b> O = Oblong Link S = Sling Hook G = Grab Hook F = Foundry			

## GRADE 80 ALLOY CHAIN SLING SPECIFICATIONS

CHAIN SIZE	SINGLE SLING AT 90° ANGLE	DOUBLE SLING AT 60° ANGLE	DOUBLE SLING AT 45° ANGLE	DOUBLE SLING AT 30° ANGLE	TRIPLE/ QUADRUPLE AT 60° ANGLE	TRIPLE/ QUADRUPLE AT 45° ANGLE	TRIPLE/ QUADRUPLE AT 30° ANGLE	CHAIN SIZE
9/32"	3,500	6,100	4,900	3,500	9,100	7,400	5,200	9/32"
3/8"	7,100	12,300	10,000	7,100	18,400	15,100	10,600	3/8"
1/2"	12,000	20,800	17,000	12,000	31,200	25,500	18,000	1/2"
5/8"	18,100	31,300	25,600	18,100	47,000	38,400	27,100	5/8"
3/4"	28,300	49,000	40,000	28,300	73,500	60,000	42,400	3/4"
7/8"	34,200	59,200	48,400	34,200	88,900	72,500	51,300	7/8"
1"	47,700	82,600	67,400	47,700	123,900	101,200	71,500	1"
1 1/4"	72,300	125,200	102,200	72,300	187,800	153,400	108,400	1 1/4"



**GRADE 80 OBLONG MASTER LINK**

Alloy, Painted, Forged

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)	MASTER LINK FOR CHAIN SIZE	
				1 LEG	2 LEG
1/2"	ML500	0.89	4,100	9/32"	7/32"
5/8"	ML625	1.63	5,500	5/16"	9/32"
3/4"	ML750	2.25	8,600	3/8"	5/16"
7/8"	ML875	2.60	14,100	1/2"	3/8"
1"	ML100	5.00	20,300	5/8"	1/2"
1 1/4"	ML1250	11.14	29,300	3/4"	5/8"
1 1/2"	ML1500	18.42	39,900	7/8"	3/4"
1 3/4"	ML1750	27.36	52,100	1"	7/8"
2"	ML200	41.10	81,400	1 1/4"	1"

Working load limit of master link only. For sling working load limit, see page 34.

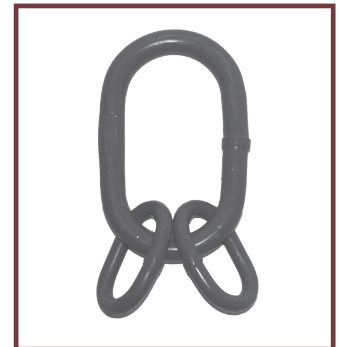


**ALLOY OBLONG MASTER LINK**

**GRADE 80 MASTER LINK SUB-ASSEMBLY** Alloy, Painted, Forged

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)	FOR CHAIN SIZE
3/4"	MLSA750	2.91	9,100	9/32"
7/8"	MLSA875	5.11	13,800	5/16"
1"	MLSA100	7.76	20,800	3/8"
1 1/4"	MLSA1250	13.80	31,200	1/2"
1 1/2"	MLSA1500	21.74	49,000	5/8"

Working load limit of master link only. For sling working load limit, see page 34.



**MASTER LINK SUB-ASSEMBLY**

**GRADE 80 COUPLING LINK**

Alloy, Painted

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"	HL281	0.26	3,500
5/16"	HL312	0.40	4,500
3/8"	HL375	0.65	7,100
1/2"	HL500	1.50	12,000
5/8"	HL625	2.51	18,100
3/4"	HL750	4.12	28,300

Note: Coupling Links are used for attaching Grade 80 Alloy Chain to master links, eye hooks, or chain to chain.



**ALLOY COUPLING LINK**

**PEAR SHAPED LINK**

Carbon Steel, Painted

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8"	PEAR375	0.13	1,800
1/2"	PEAR500	0.55	2,900
5/8"	PEAR625	1.10	4,200
3/4"	PEAR750	2.00	6,000
7/8"	PEAR875	2.80	8,300
1"	PEAR100	4.30	10,800
1 1/4"	PEAR1250	9.20	16,700
1 3/8"	PEAR1375	11.00	20,500



**CARBON STEEL PEAR SHAPED LINK**



## GRADE 100 ALLOY CHAIN

Self Colored

SIZE	STOCK NUMBER	FEET/DRUM	WORKING LOAD LIMIT (LBS.)	WEIGHT/FOOT (LBS.)
9/32"	G100281	275', 500'	4,300	0.738
5/16"	G100312	275', 500'	5,700	0.939
3/8"	G100375	275', 500'	8,800	1.475
1/2"	G100500	150', 300'	15,000	2.548
5/8"	G100625	100', 200'	22,600	3.83
3/4"	G100750	50', 100'	35,300	5.78
7/8"	G100875	50', 100'	42,700	7.32

Note: Grade 100 alloy chain is approved by OSHA for overhead lifting.

## ALLOY CHAIN SLINGS

TYPE	Diagram
<b>SINGLE</b>	Type SOO                      Type SOS                      Type SOG                      Type SOF                      Type SSS                      Type SGG                      Type SGS                      Type ASOS*
<b>DOUBLE</b>	Type DOS                      Type DOG                      Type DOF                      Type ADOS*
<b>TRIPLE</b>	Type TOS                      Type TOG                      Type TOF                      Type QOS                      Type QOG                      Type QOF

**NOTE:**

<b>1ST LETTER INDICATES:</b>	<b>2ND LETTER INDICATES:</b>	<b>3RD LETTER INDICATES:</b>
S = Single	O = Oblong Link	O = Oblong Link
D = Double	S = Sling Hook	S = Sling Hook
T = Triple	G = Grab Hook	G = Grab Hook
Q = Quadruple	F = Foundry	F = Foundry

## GRADE 100 CHAIN SLING SPECIFICATIONS

CHAIN SIZE	SINGLE SLING AT 90° ANGLE	DOUBLE SLING AT 60° ANGLE	DOUBLE SLING AT 45° ANGLE	DOUBLE SLING AT 30° ANGLE	TRIPLE/ QUADRUPLE AT 60° ANGLE	TRIPLE/ QUADRUPLE AT 45° ANGLE	TRIPLE/ QUADRUPLE AT 30° ANGLE	CHAIN SIZE
9/32"	4,300	7,400	6,100	4,300	11,200	9,100	6,400	9/32"
5/16"	5,700	9,900	8,100	5,700	14,800	12,100	8,500	5/16"
3/8"	8,800	15,200	12,400	8,800	22,900	18,700	13,200	3/8"
1/2"	15,000	26,000	21,200	15,000	39,000	31,800	22,500	1/2"
5/8"	22,600	39,100	32,000	22,600	58,700	47,900	33,900	5/8"
3/4"	35,300	61,100	49,900	35,300	91,700	74,900	53,000	3/4"
7/8"	42,700	74,000	60,400	42,700	110,900	90,600	64,000	7/8"

## GRADE 100 OBLONG MASTER LINK

Alloy, Painted, Forged

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)	MASTER LINK FOR CHAIN SIZE	
				1 LEG	2 LEG
1/2"	G100ML500	0.75	6,000	9/32"	-
5/8"	G100ML625	1.17	8,600	5/16"	9/32"
3/4"	G100ML750	1.90	12,900	3/8"	5/16"
7/8"	G100ML875	3.53	17,600	1/2"	3/8"
1"	G100ML100	5.42	30,000	5/8"	1/2"
1 1/4"	G100ML1250	9.13	39,100	3/4"	5/8"
1 1/2"	G100ML1500	13.71	61,100	7/8"	3/4"

Working load limit of master link only. For sling working load limit, see page 36.



**ALLOY OBLONG MASTER LINK**

## GRADE 100 MASTER LINK SUB-ASSEMBLY Alloy, Painted, Forged

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)	FOR CHAIN SIZE
3/4"	G100MLSA750	2.9	11,200	9/32"
7/8"	G100MLSA875	4.8	15,200	5/16"
1"	G100MLSA100	7.39	26,000	3/8"
1 1/4"	G100MLSA1250	13.24	39,000	1/2"
1 1/2"	G100MLSA1500	21.98	58,700	5/8"
2"	G100MLSA200	51.26	91,700	3/4"

Working load limit of master link only. For sling working load limit, see page 36.



**MASTER LINK SUB-ASSEMBLY**

## GRADE 100 COUPLING LINK

Alloy, Painted

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"	G100HL281	.26	4,300
5/16"	G100HL312	0.40	5,700
3/8"	G100HL375	0.73	8,800
1/2"	G100HL500	1.54	15,000
5/8"	G100HL625	2.51	22,600
3/4"	G100HL750	4.72	35,300
7/8"	G100HL875	7.08	42,700

Note: Coupling Links are used for attaching Grade 100 Alloy Chain to master links, eye hooks, or chain to chain.



**ALLOY COUPLING LINK**



**CHAIN SLING ADJUSTER**



**VVK QUAD LINK**



**VVK DOUBLE LINK**

## BINDER CHAINS Grade 43 High Test Binder Chains Grab Hook Each End



**BINDER CHAIN**

SIZE	STOCK NUMBER	GRADE/FINISH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)	PIECES/DRUM
5/16X16	G43BC312X16	High Test-SC	3,900	16	35
5/16X20	G43BC312X20	High Test-SC	3,900	23	25
5/16X25	G43BC312X25	High Test-SC	3,900	26	23
3/8X16	G43BC375X16	High Test-SC	5,400	26	25
3/8X20	G43BC375X20	High Test-SC	5,400	32	20
3/8X25	G43BC375X25	High Test-SC	5,400	37	16

Note: Grade 43 High Test Chain is used for trucking with clevis grab hooks.

## BINDER CHAINS Grade 70 Transport Binder Chains Grab Hook Each End

SIZE	STOCK NUMBER	GRADE/FINISH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)	PIECES/DRUM
5/16" X 16'	G70BC312X16	Gr 70/Yellow Chr	4,700	16	35
5/16" X 20'	G70BC312X20	Gr 70/Yellow Chr	4,700	23	25
5/16" X 25'	G70BC312X25	Gr 70/Yellow Chr	4,700	26	23
3/8" X 16'	G70BC375X16	Gr 70/Yellow Chr	6,600	26	25
3/8" X 20'	G70BC375X20	Gr 70/Yellow Chr	6,600	32	20
3/8" X 25'	G70BC375X25	Gr 70/Yellow Chr	6,600	37	16
1/2" X 20'	G70BC500X20	Gr 70/Yellow Chr	11,300	52	15
1/2" X 25'	G70BC500X25	Gr 70/Yellow Chr	11,300	65	10

Grade 70 Transport Chain is used when higher work loads or DOT regulations require stronger chain. Custom lengths and hooks available upon request. DOT approved.

## LOAD BINDERS

Forged, Painted



**LEVER LOAD BINDER**



**RATCHET LOAD BINDER**



**PREMIUM LOAD BINDER**

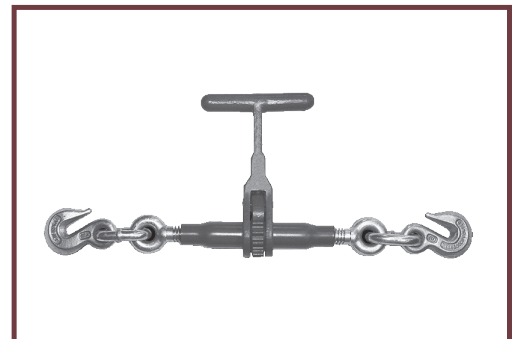
SIZE	STOCK NUMBER	TYPE	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECES (LBS.)
1/4" Grade 30, 1/4" Grade 43	LBNDR250	Lever	2,600	3.66
5/16" Grade 70, 3/8" Grade 43	LBNDR375	Lever	5,400	7.02
3/8" Grade 70, 1/2" Grade 43	LBNDR500	Lever	9,200	12.47
1/4" Grade 30, 1/4" Grade 43	RBNDR250	Ratchet	2,600	3.40
5/16" Grade 70, 3/8" Grade 70	RBNDR375	Ratchet	6,600	11.23
3/8" Grade 70, 1/2" Grade 43	RBNDR500	Ratchet	9,200	12.83
1/2" Grade 70, 5/8" Grade 43	RBNDR625	Ratchet	11,300	15.00

Note: Forged loadbinders are approved by DOT for truck tie-down use.

## ALSO AVAILABLE:



**FOLDING HANDLE LOAD BINDER**



**T-HANDLE LOAD BINDER**

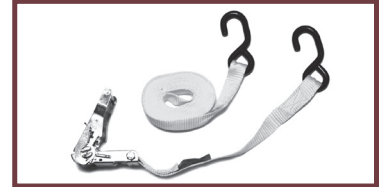


**1" POLYESTER RATCHET TIE-DOWNS With S-Hooks**

SIZE	STOCK NUMBER	COLOR	S-HOOK	CAPACITY (LBS.)	WEIGHT (LBS.)
1" x 8'	STRAP1X8	Yellow	Yellow Zinc	3,000	1.8
1" x 8'	STRAP1X8B	Black	Black Vinyl	3,000	1.8
1" x 12'	STRAP1X12	Yellow	Yellow Zinc	3,000	2.0
1" x 15'	STRAP1X15	Yellow	Black Vinyl	3,000	2.1
1" x 15'	STRAP1X15B	Black	Black Vinyl	3,000	2.1



**1" X 8' BLACK S-HOOK**



**1" X 12' YELLOW S-HOOK**

**2" YELLOW POLYESTER RATCHET TIE-DOWNS With Flat & J-Hooks**

SIZE	STOCK NUMBER	HOOKS	RATCHET	CAPACITY (LBS.)	WEIGHT (LBS.)
2" x 15'	STRAP2X15J	J-Hooks	Short Handle	10,000	4.5
2" x 27'	STRAP2X27	Flat Hooks	Long Handle	10,000	6.0
2" x 27'	STRAP2X27J	J-Hooks	Short Handle	10,000	5.6
2" x 30'	STRAP2X30J	J-Hooks	Short Handle	10,000	6.0
2" x 45'	STRAP2X45J	J-Hooks	Short Handle	10,000	7.2



**2" X 27' FLAT HOOK**



**2" X 27' J-HOOK**

**3" YELLOW POLYESTER RATCHET TIE-DOWNS With Flat & J-Hooks**

SIZE	STOCK NUMBER	HOOKS	RATCHET	CAPACITY (LBS.)	WEIGHT (LBS.)
3" x 30'	STRAP3X30RFH	Flat Hooks	Long Handle	12,000	13.4
3" x 30'	STRAP3X30RJH	J-Hooks	Long Handle	12,000	15.0



**3" X 30' FLAT HOOK**



**3" X 30' J-HOOK**

**4" YELLOW POLYESTER RATCHET TIE-DOWNS With Flat & Grab Hooks**

SIZE	STOCK NUMBER	HOOKS	RATCHET	CAPACITY (LBS.)	WEIGHT (LBS.)
4" x 30'	STRAP4X30F	Flat Hooks	Long Handle	15,000	20
4" x 30'	STRAP4X30CG	Grab Hooks	Long Handle	15,000	21.3



**4" X 30' FLAT HOOK**

**4" YELLOW POLYESTER REPLACEMENT STRAP With Flat Hooks**

SIZE	STOCK NUMBER	HOOKS	CAPACITY (LBS.)	WEIGHT (LBS.)
4" x 30'	STRAP4X30	Flat Hook	15,000	5.5

## STAINLESS STEEL PROOF COIL CHAIN



**STAINLESS STEEL  
CHAIN TYPE 304**



**STAINLESS STEEL  
CHAIN TYPE 316**

STOCK NUMBER		SIZE	FEET/DRUM	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
SS 304	SS 316				
SSPC125T304	SSPC125T316	1/8"	1,000'	0.20	375
SSPC187T304	SSPC187T316	3/16"	1,000'	0.35	800
SSPC250T304	SSPC250T316	1/4"	400'	0.60	1,400
SSPC312T304	SSPC312T316	5/16"	275'	0.88	1,800
SSPC375T304	SSPC375T316	3/8"	200'	1.40	2,800
SSPC500T304	SSPC500T316	1/2"	100'	2.43	4,500
SSPC625T304	SSPC625T316	5/8"	75'	3.90	6,800
SSPC750T304	SSPC750T316	3/4"	100'	5.51	9,500

Note: Stainless Steel proof coil chain is not suitable for overhead lifting.

## STAINLESS STEEL HIGH TEST CHAIN



**STAINLESS STEEL  
HIGH TEST CHAIN**

SIZE	STOCK NUMBER	WEIGHT/FOOT (LBS.)	WORKING LOAD LIMIT (LBS.)
3/16"	SSHT187	0.35	1,200
1/4"	SSHT250	0.60	2,000
5/16"	SSHT312	0.88	2,850
3/8"	SSHT375	1.40	3,550
1/2"	SSHT500	2.43	6,500
5/8"	SSHT625	3.60	9,800
3/4"	SSHT750	5.50	14,000

Note: High test chain is not suitable for overhead lifting.

## STAINLESS STEEL SPECIALTY CHAINS



**STAINLESS STEEL  
SINGLE JACK CHAIN**



**STAINLESS STEEL  
DOUBLE LOOP CHAIN**



**STAINLESS STEEL  
SASH CHAIN**



**STRAIGHT LINK  
MACHINE CHAIN**



**STRAIGHT LINK  
COIL CHAIN**

SIZE	TYPE	STOCK NUMBER	REEL SIZES
# 18	Single Jack	SSSJ18	100/Box
# 16	Single Jack	SSSJ16	100/Box
# 14	Single Jack	SSSJ14	100/Box
# 12	Single Jack	SSSJ12	100/Box
# 10	Single Jack	SSSJ10	100/Box
# 3	Double Loop	SSDL3	100/Box
2/0	Double Loop	SSDL2/0	100/Box
# 35	Sash	SSSASH#35	100/Box
# 25	Sash	SSSASH#25	100/Box
# 8	Sash	SSSASH#8	100/Box
2/0	Straight Link Machine Chain	SSPC2/0T304	100/Box

## STAINLESS STEEL 316 SCREW PIN ANCHOR SHACKLES With Oversized Pin

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/16"	SSPA187	1/4"	650	0.11
1/4"	SSPA250	5/16"	1,000	0.12
5/16"	SSPA312	3/8"	1,300	0.18
3/8"	SSPA375	7/16"	1,500	0.31
7/16"	SSPA437	1/2"	2,000	0.48
1/2"	SSPA500	5/8"	3,000	0.68
5/8"	SSPA625	3/4"	4,000	1.26
3/4"	SSPA750	7/8"	6,000	2.10
7/8"	SSPA875	1"	8,000	3.32
1"	SSPA100	1 1/8"	10,000	4.80



**STAINLESS STEEL  
SCREW PIN ANCHOR  
SHACKLE**

## STAINLESS STEEL 316 SCREW PIN BOW SHACKLES

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
5/32"	SSPA156BOW	5/32"	200	0.02
3/16"	SSPA187BOW	3/16"	500	0.04
1/4"	SSPA250BOW	1/4"	750	0.06
5/16"	SSPA312BOW	5/16"	1,000	0.12
3/8"	SSPA375BOW	3/8"	1,200	0.25
1/2"	SSPA500BOW	1/2"	2,500	0.56
5/8"	SSPA625BOW	5/8"	3,000	1.05
3/4"	SSPA750BOW	3/4"	4,000	1.68
7/8"	SSPA875BOW	7/8"	5,000	2.52
1"	SSPA100BOW	1"	6,000	3.80
1 1/4"	SSPA1250BOW	1 1/4"	9,000	9.50



**STAINLESS STEEL  
SCREW PIN BOW  
SHACKLE**

## STAINLESS STEEL 316 SAFETY BOLT ANCHOR SHACKLES With Oversized Pin

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	SSAS250	5/16"	1,000	0.12
5/16"	SSAS312	3/8"	1,500	0.18
3/8"	SSAS375	7/16"	2,000	0.31
7/16"	SSAS437	1/2"	3,000	0.48
1/2"	SSAS500	5/8"	4,000	0.68
5/8"	SSAS625	3/4"	6,000	1.26
3/4"	SSAS750	7/8"	8,000	2.10
7/8"	SSAS875	1"	10,000	3.32
1"	SSAS100	1 1/8"	12,000	4.80



**STAINLESS STEEL  
SAFETY BOLT ANCHOR  
SHACKLE**

## SCREW PIN ANCHOR SHACKLES

Load Rated



**SCREW PIN ANCHOR SHACKLE**

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECES (LBS.)
3/16"	SPA187	1/4"	0.33	0.05
1/4"	SPA250	5/16"	0.50	0.12
5/16"	SPA312	3/8"	0.75	0.18
3/8"	SPA375	7/16"	1.0	0.31
7/16"	SPA437	1/2"	1.50	0.49
1/2"	SPA500	5/8"	2.0	0.74
5/8"	SPA625	3/4"	3.25	1.44
3/4"	SPA750	7/8"	4.75	2.16
7/8"	SPA875	1"	6.50	3.37
1"	SPA100	1 1/8"	8.50	5.30
1 1/8"	SPA1125	1 1/4"	9.50	7.0
1 1/4"	SPA1250	1 3/8"	12.0	9.6
1 3/8"	SPA1375	1 1/2"	13.5	12.6
1 1/2"	SPA1500	1 3/4"	17.0	17.35
1 3/4"	SPA1750	2"	25.0	27.8
2"	SPA200	2 1/4"	35.0	43.0

According to Federal Specification RR-C-271d, Type IV A, Grade A, Class 2.

## SAFETY ANCHOR SHACKLES

Load Rated



**SAFETY ANCHOR SHACKLE**

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECE (LBS.)
1/2"	SAS500	5/8"	2.0	0.92
5/8"	SAS625	3/4"	3.25	1.55
3/4"	SAS750	7/8"	4.75	2.53
7/8"	SAS875	1"	6.50	4.24
1"	SAS100	1 1/8"	8.50	5.88
1 1/8"	SAS1125	1 1/4"	9.50	7.75
1 1/4"	SAS1250	1 3/8"	12.0	11.65
1 3/8"	SAS1375	1 1/2"	13.5	15.15
1 1/2"	SAS1500	1 3/4"	17.0	18.75
1 3/4"	SAS1750	2"	25.0	30.45
2"	SAS200	2 1/4"	35.0	45.70
2 1/2"	SAS2500	2 3/4"	55.0	92.4

According to Federal Specification RR-C-271d, Type IV A, Grade A, Class 3.

## COMMERCIAL GRADE ANCHOR SHACKLES



**COMMERCIAL GRADE ANCHOR SHACKLE**

SIZE	STOCK NUMBER	PIN DIAMETER	WEIGHT/PIECE (LBS.)
3/16"	CGSPA187	1/4"	0.05
1/4"	CGSPA250	5/16"	0.12
5/16"	CGSPA312	3/8"	0.19
3/8"	CGSPA375	7/16"	0.31
7/16"	CGSPA437	1/2"	0.38
1/2"	CGSPA500	5/8"	0.63
5/8"	CGSPA625	3/4"	1.38
3/4"	CGSPA750	7/8"	2.58
7/8"	CGSPA875	1"	3.38
1"	CGSPA100	1 1/8"	5.32

Note: Commercial Grade Anchor Shackles are not rated for overhead lifting.



**SCREW PIN CHAIN SHACKLES** Drop Forged, Load Rated, Hot Galvanized

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECE (LBS.)
1/4"	SPC250	5/16"	0.50	0.11
5/16"	SPC312	3/8"	0.75	0.18
3/8"	SPC375	7/16"	1.00	0.30
1/2"	SPC500	5/8"	2.00	0.59
5/8"	SPC625	3/4"	3.25	1.27
3/4"	SPC750	7/8"	4.75	2.60
7/8"	SPC875	1"	6.50	3.15
1"	SPC100	1 1/8"	8.50	4.75

According to Federal Specification RR-C-271d, Type IVB, Grade A, Class 2.



**SCREW PIN CHAIN SHACKLE**

**ROUND PIN ANCHOR SHACKLES** Drop Forged, Load Rated, Hot Galvanized

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECE (LBS.)
1/4"	RPA250	5/16"	0.50	0.13
5/16"	RPA312	3/8"	0.75	0.18
3/8"	RPA375	7/16"	1.00	0.25
1/2"	RPA500	5/8"	2.00	0.50
5/8"	RPA625	3/4"	3.25	1.50
3/4"	RPA750	7/8"	4.75	2.32
7/8"	RPA875	1"	6.50	3.49
1"	RPA100	1 1/8"	8.50	5.00

According to Federal Specification RR-C-271d, Type IVB, Grade A, Class 1.



**ROUND PIN ANCHOR SHACKLE**

**ALL ALLOY SCREW PIN ANCHOR SHACKLES** Hot Galvanized

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECE (LBS.)
3/16"	SPAA187	1/4"	.50	0.05
1/4"	SPAA250	5/16"	.75	0.10
5/16"	SPAA312	3/8"	1.0	0.18
3/8"	SPAA375	7/16"	2.0	0.31
7/16"	SPAA437	1/2"	2.66	0.49
1/2"	SPAA500	5/8"	3.33	0.74
5/8"	SPAA625	3/4"	5.0	1.44
3/4"	SPAA750	7/8"	7.0	2.16
7/8"	SPAA875	1"	9.50	3.37
1"	SPAA100	1 1/8"	12.5	5.30
1 1/4"	SPAA1250	1 3/8"	18.0	9.60
1 1/2"	SPAA1500	1 5/8"	25.0	17.35
1 3/4"	SPAA1750	2"	34.0	27.80
2"	SPAA200	2 1/4"	43.0	43

According to Federal Specification RR-C-271d, Type IV A, Grade B, Class 2.



**ALL ALLOY SCREW PIN ANCHOR SHACKLE**

## SPRING HOOKS (UNIVERSAL SNAP) #2450 Bright Zinc



**SPRING HOOK**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/16"	SPRING187NE	220	0.04
1/4"	SPRING250NE	260	0.07
5/16"	SPRING312NE	500	0.17
3/8"	SPRING375NE	550	0.24
7/16"	SPRING437NE	770	0.29
1/2"	SPRING500NE	1,200	0.55

*Note: Spring Hooks are not suitable for overhead lifting.*

## RAPID/QUICK LINKS Bright Zinc



**QUICK LINK**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/8"	QL125	220	0.03
3/16"	QL187	660	0.04
1/4"	QL250	880	0.06
5/16"	QL312	1,760	0.15
3/8"	QL375	2,200	0.20
1/2"	QL500	3,300	0.60

*Note: Quick Links are not suitable for overhead lifting.  
Wide Jaw Quick Links available upon request.*

## SWIVELS Drop-Forged, Hot Galvanized



**SWIVELS**

SIZE	EYE-EYE		EYE-JAW		WORKING LOAD LIMIT (LBS.)
	STOCK NUMBER	WT/PIECE (LBS.)	STOCK NUMBER	WT/PIECE (LBS.)	
1/4"	SWIV250EE	0.21	SWIV250EJ	0.25	850
5/16"	SWIV312EE	0.38	SWIV312EJ	0.39	1,250
3/8"	SWIV375EE	0.68	SWIV375EJ	0.71	2,250
1/2"	SWIV500EE	1.40	SWIV500EJ	1.43	3,600
5/8"	SWIV625EE	2.50	SWIV625EJ	2.48	5,200
3/4"	SWIV750EE	3.90	SWIV750EJ	3.50	7,200
7/8"	SWIV875EE	6.25	SWIV875EJ	5.87	10,000

*Note: Swivels are not designed to rotate under load.*

## REPAIR LAP LINK Bright Zinc



**REPAIR LAP LINK**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/8"	LL125	190	0.01
3/16"	LL187	240	0.03
1/4"	LL250	400	0.06
5/16"	LL312	950	0.13
3/8"	LL375	1,250	0.26
1/2"	LL500	1,525	0.60

*Note: Lap Links are not suitable for overhead lifting.*

**⚠ WARNING:**  
These items are NOT designed or approved for overhead lifting.

**COLD SHUT**

**Bright Zinc**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/16"	CS187	525	0.03
1/4"	CS250	750	0.06
5/16"	CS312	1,250	0.11
3/8"	CS375	1,900	0.18
1/2"	CS500	3,500	0.38

*Note: Cold Shuts are not suitable for overhead lifting.*



**COLD SHUT**

**CONNECTING LINK**

**Bright Zinc**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/16"	CL187	800	0.04
1/4"	CL250	1,325	0.06
5/16"	CL312	1,950	0.10
3/8"	CL375	2,750	0.20
1/2"	CL500	4,750	0.40

*Note: Connecting Links are not suitable for overhead lifting.*



**CONNECTING LINK**

**DOUBLE CLEVIS**

**Grade 70**

FOR CHAIN SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4" - 5/16"	DC250	4,700	0.30
3/8"	DC375	6,600	0.40
7/16" - 1/2"	DC500	11,300	0.98

*Note: Double Clevises are not suitable for overhead lifting.*



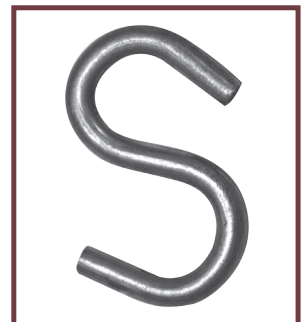
**DOUBLE CLEVIS**

**S-HOOKS**

**Steel - Bright Zinc**

STOCK NUMBER	SIZE	WEIGHT/1,000 PIECES (LBS.)	STOCK NUMBER	SIZE	WEIGHT/1,000 PIECES (LBS.)
SHOOK#20	0.08" X 1"	6.0	SHOOK#187	0.187" X 2 3/4"	41.3
SHOOK#12	0.105" X 1"	7.5	SHOOK#187HT High Tensile	0.187" X 1 1/2"	23.9
SHOOK#498	0.125" X 1 1/8"	7.8	SHOOK#72	0.08" X 1"	6.0
SHOOK#125	0.125" X 1 1/2"	9.0	SHOOK#80	0.250" X 2 1/4"	7.5
SHOOK#8	0.125" X 1 3/4"	12.5	SHOOK#81	0.125" X 1 1/8"	7.8
SHOOK#280	0.125" X 2"	13.2	SHOOK#100	0.125" X 1 1/2"	9.0
SHOOK#9	0.148" X 1 7/16"	16.7	SHOOK#120	0.125" X 1 3/4"	12.5
SHOOK#809C	0.148" X 2 1/8"	27.0	SHOOK#375	0.125" X 2"	13.2
SHOOK#60	0.187" X 1 7/8"	33.8			

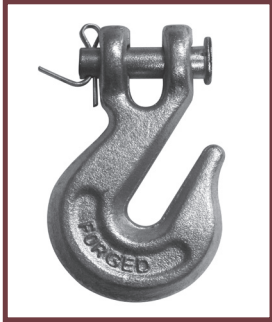
*These items are NOT designed or approved for overhead lifting.*



**S-HOOK**

**WARNING:**  
These items are NOT designed or approved for overhead lifting.

## CLEVIS GRAB HOOKS



**CLEVIS GRAB HOOK**

CHAIN SIZE	HIGH TEST			GRADE 70		ALLOY TIE-DOWN		WEIGHT/PIECE (LBS.)
	STOCK NUMBER SELF COLORED	STOCK NUMBER BRIGHT ZINC	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER YELLOW CHROMATE	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER YELLOW CHROMATE	WORKING LOAD LIMIT (LBS.)	
1/4"	HTCG250SC	HTCG250ZP	2,600	G70CG250	3,500	G80CG250	3,500	0.34
5/16"	HTCG312SC	HTCG312ZP	3,900	G70CG312	4,500	G80CG312	4,700	0.64
3/8"	HTCG375SC	HTCG375ZP	5,400	G70CG375	6,600	G80CG375	7,100	1.02
1/2"	HTCG500SC	HTCG500ZP	9,200	G70CG500	11,300	G80CG500	12,000	2.16
5/8"	HTCG625SC	HTCG625ZP	13,000	G70CG625	15,000	G80CG625	18,100	3.66
3/4"	-	HTCG750ZP	20,200	-	-	-	-	6.50

Note: These hooks are not suitable for overhead lifting.

## EYE GRAB HOOKS

## HIGH TEST



**EYE GRAB HOOK**

SIZE	STOCK NUMBER SELF COLORED, BRIGHT ZINC	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	HTEG250	2,600	0.34
5/16"	HTEG312	3,900	0.64
3/8"	HTEG375	5,400	1.02
1/2"	HTEG500	9,200	2.16
5/8"	HTEG625	13,000	3.66

Note: These hooks are not suitable for overhead lifting.

## CLEVIS SLIP HOOKS

## OPTIONAL LATCH



**CLEVIS SLIP HOOK**

SIZE	HIGH TEST		GRADE 70		ALLOY		WEIGHT/PIECE (LBS.)
	STOCK NUMBER BRIGHT ZINC	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER YELLOW CHROMATE	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	
1/4"	HTCS250	1,950	G70CS250	2,750	G80CS250	2,750	0.55
5/16"	HTCS312	2,875	G70CS312	4,300	G80CS312	4,300	0.86
3/8"	HTCS375	4,000	G70CS375	5,250	G80CS375	5,250	1.40
1/2"	HTCS500	6,500	G70CS500	9,000	G80CS500	9,000	2.75
5/8"	HTCS625	9,250	G70CS625	13,500	G80CS625	13,500	4.75

Note: These hooks are not suitable for overhead lifting.

## EYE SLIP HOOKS

## OPTIONAL LATCH, HIGH TEST



**EYE SLIP HOOK**

SIZE	STOCK NUMBER SELF COLORED, BRIGHT ZINC	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	HTES250	1,950	0.55
5/16"	HTES312	2,875	0.86
3/8"	HTES375	4,000	1.40
1/2"	HTES500	6,500	2.75
5/8"	HTES625	9,250	4.75
3/4"	HTES750	12,500	11.28

Note: These hooks are not suitable for overhead lifting.

## SLIDING CHOKER HOOK WITH LATCH

Please call you Advantage sales person for more information.



**ALLOY EYE HOIST HOOKS WITH LATCH**

STOCK NUMBER	WORKING LOAD LIMIT (TONS)	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)
EHH100A	1.0	4.38"	0.75"	0.65
EHH150A	1.5	4.88"	0.88"	0.87
EHH200A	2.0	5.50"	1.13"	1.44
EHH300A	3.0	6.31"	1.25"	1.94
EHH450A	4.5	7.94"	1.56"	3.94
EHH700A	7.0	10.0"	2.00"	7.75
EHH1100A	11.0	12.44"	2.44"	13.0
EHH1500A	15.0	14.00"	2.84"	21.6
EHH2200A	22.0	17.40"	3.50"	39.5

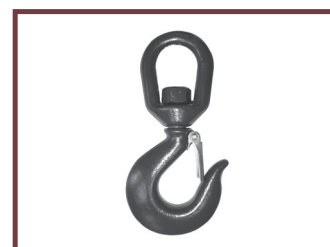
Note: Latch can be removed from hook, if required.



**EYE HOIST HOOK**

**ALLOY SWIVEL EYE HOIST HOOKS WITH LATCH**

STOCK NUMBER	WORKING LOAD LIMIT (TONS)	INSIDE BAIL	THROAT OPENING	WEIGHT/PIECE (LBS.)
EHH100SA	1.0	1.25"	15/16"	0.78
EHH200SA	2.0	1.75"	1 1/16"	2.02
EHH300SA	3.0	1.75"	1 7/32"	2.57
EHH450SA	4.5	2.0"	1 1/2"	4.89
EHH700SA	7.0	2.5"	1 7/8"	10.29
EHH1100SA	11.0	2.75"	2 1/4"	18.62
EHH1500SA	15.0	3.15"	2 5/8"	23.3
EHH2200SA	22.0	4.10"	3 3/8"	47.0



**SWIVEL EYE HOIST HOOK**

**ALLOY GRAB HOOKS WITH CRADLE**

SIZE	GRADE 80 STOCK NUMBER	GRADE 80 WLL (LBS.)	GRADE 100 STOCK NUMBER	GRADE 100 WLL (LBS.)	WEIGHT/PIECE
9/32"	CRADLE281	3,500	G100CGRAB281	4,300	0.84
5/16"	CRADLE312	4,500	G100CGRAB312	5,700	0.84
3/8"	CRADLE375	7,100	G100GRAB375	8,800	1.87
1/2"	CRADLE500	12,000	G100CGRAB500	15,000	4.19
5/8"	CRADLE625	18,100	G100CGRAB625	22,600	6.17
3/4"	CRADLE750	28,300	G100CGRAB750	35,300	7.72

Note: Hooks are either made in either eye or clevis style.



**GRAB HOOK**

**ALLOY SLING HOOKS WITH LATCH**

SIZE	GRADE 80 STOCK NUMBER	GRADE 80 WLL (LBS.)	GRADE 100 STOCK NUMBER	GRADE 100 WLL (LBS.)	WEIGHT/PIECE
9/32"	CSLING281	3,500	G100CSLING281	4,300	1.16
5/16"	CSLING312	4,500	G100CSLING312	5,700	1.16
3/8"	CSLING375	7,100	G100CSLING375	8,800	2.43
1/2"	CSLING500	12,000	G100CSLING500	15,000	4.41
5/8"	CSLING625	18,100	G100CSLING625	22,600	7.67
3/4"	CSLING750	28,300	G100CSLING750	35,300	11.02

Note: Hooks are either made in either eye or clevis style.



**SLING HOOK**

**STAINLESS STEEL HOOK LATCH KIT**

	FOR HOOKS (TONS)
Carbon Steel	3/4, 1, 1 1/2 to 2, 3, 5, 7 1/2 to 10, 15, 20, 25-30, 40
Alloy	1, 1 1/2, 2 to 3, 4 1/2, 7, 11 to 15, 22, 30, 37-45, 60

Latch Kits are shipped unassembled and individually packaged with instructions.



**LATCH KIT**



## GRADE 100 SELF LOCKING SWIVEL HOOK

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"-5/16"	CRGX08	2.43	5,700
3/8"	CRGX10	4.41	8,800
1/2"	CRGX13	8.82	15,000
5/8"	CRGX16	14.99	22,600

Available with bushing or roller bearing.



**SWIVEL**

## GRADE 100 CLEVIS SELF LOCKING HOOK

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"	CRFX07	2.09	4,300
5/16"	CRFX08	2.09	5,700
3/8"	CRFX10	3.53	8,800
1/2"	CRFX13	7.05	15,000
5/8"	CRFX16	13.23	22,600
3/4"	CRFX20	21.61	35,300
7/8"	CRFX22	31.75	42,700



**CLEVIS**

## GRADE 100 EYE SELF LOCKING HOOK

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32" - 5/16"	CROX08	2.12	5,700
3/8"	CROX10	3.64	8,800
1/2"	CROX13	7.16	15,000
5/8"	CROX16	13.45	22,600
3/4"	CROX20	21.61	35,300
7/8"	CROX22	31.75	42,700



**EYE**

## GRADE 80 LOCKABLE ALLOY GRAB HOOK

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"-5/16"	F33201	1.32	3,500
3/8"	F33211	2.51	7,100
1/2"	F33221	4.63	12,000
5/8"	F33231	8.38	18,100



**LOCKABLE ALLOY  
GRAB HOOK**

**GRADE 70 WELDABLE GRAB BUCKET HOOK**

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
5/16"	WG312	4,700	.45
3/8"	WG375	6,600	.80
1/2"	WG500	11,300	1.6



**WELDABLE GRABS**

**WELD-ON BUCKET HOOK**

SIZE (TONS)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (TONS)
1	8-081-01	2,200	1.3
2	8-081-02	4,400	2.2
3	8-081-03	6,600	2.9
4	8-081-04	8,800	4.2
5	8-081-05	11,000	6.4
8	8-081-08	17,600	7.7
10	8-081-10	22,000	14.1



**BUCKET HOOKS**

**WELD-ON LIFTING POINTS**

**Rated For Overhead Lifting**

SIZE	STOCK NUMBER	INSIDE LENGTH	INSIDE WIDTH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
7/32"	F35103A	1.22"	1.42"	2,100	.55
1/4" - 5/16"	F35113A	1.46"	1.65"	3,500	1.0
3/8"	F35123A	1.81"	1.89"	7,100	1.7
1/2"	F35133A	2.72"	2.6"	12,000	4.4
5/8"	F35143A	2.6"	2.84"	18,100	6.0
7/8"	F35163A	3.86"	4.73"	34,200	17.6



**WELD-ON LIFTING POINTS**

**WELD-ON D-RING**

**Not for Overhead Lifting**

STOCK NUMBER	BREAKING STRENGTH	MATERIAL	WEIGHT (LBS.)	DESCRIPTION
J-704	12,000 capacity	C-1045	0.45	1/2" forged D-ring w/ weld-on or bolt-on mounting bracket
J-705	18,000 capacity	C-1045	0.70	5/8" forged D-ring w/ weld-on mounting bracket
J-706	26,500 capacity	C-1045	0.95	3/4" forged D-ring w/ weld-on mounting bracket
J-707	46,750 capacity	C-1045	1.30	1" forged D-ring w/ weld-on mounting bracket



**WELD-ON D-RINGS**

*The rings come with weld-on mounting brackets. Brackets are 1 7/8" wide and 3/8" thick for J-705 and J-706, 2" wide and 3/8" thick for J-707.*

## SNAP HOOK

Hot Galvanized



SNAP HOOK

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)
7/16"	SNAPHK437	750	3 15/16"	3/4"	0.24
9/16"	SNAPHK562	1000	4 3/4"	1 1/8"	0.50

Not rated for overhead lifting.

## SORTING HOOK

Painted



SORTING HOOK

WORKING LOAD LIMIT AT TIP (TONS)	STOCK NUMBER	WORKING LOAD LIMIT AT BOTTOM OF HOOK (TONS)	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)
2.0	SORTING	7.5	9.69"	1.38"	6.42

## CLEVIS FOUNDRY HOOK

Grade 80 or 100



CLEVIS FOUNDRY HOOK

CHAIN SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	THROAT OPENING	WEIGHT/PIECE (LBS.)
9/32" - 5/16"	FOUNDRY312	5,700	2.51"	2.2
3/8"	FOUNDRY375	8,800	2.99"	3.92
1/2"	FOUNDRY500	15,000	3.5"	6.53
5/8"	FOUNDRY625	22,600	4.01"	11.09

## EYE FOUNDRY HOOK

Grade 80 or 100



EYE FOUNDRY HOOK

CHAIN SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	THROAT OPENING	WEIGHT/PIECE (LBS.)
9/32" - 5/16"	FOUNDRYE312	5,700	2.51"	2.03
3/8"	FOUNDRYE375	8,800	2.99"	3.9
1/2"	FOUNDRYE500	15,000	3.5"	6.21
5/8"	FOUNDRYE625	22,600	4.01"	11.09
3/4"	FOUNDRYE750	35,300	4.48"	16.75

## WINCHLINE HOOK

Zinc Plated



WINCHLINE HOOK

TYPE	STOCK NUMBER	BREAKING STRENGTH (LBS.)	EYE SIZE	WEIGHT/PIECE (LBS.)
# 550	WINCHHK750	8,000	0.75"	0.48

Not rated for overhead lifting.

## J-HOOK



J-HOOK

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4" X 6"	JJ-6203	125	0.154
3/8" X 6"	J3882	365	0.35
3/8" X 9"	J3882X9	350	0.441
1/2" X 6"	J-3883-650# STYLE A	650	0.7
1/2" X 6"	J-3883-650# STYLE B	650	0.7
5/8" X 10"	JJ-8227	1000	1.58
3/4" X 12"	JJ-8247	1450	2.735

## STAINLESS STEEL GRAB HOOKS

Clevis Grab or Eye Grab

SIZE	CLEVIS GRAB STOCK NUMBER	EYE GRAB STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	SSCG250	SSEG250	1,250	0.36
5/16"	SSCG312	SSEG312	1,850	0.65
3/8"	SSCG375	SSEG375	2,500	.90
1/2"	SSCG500	SSEG500	3,600	1.95



**CLEVIS GRAB HOOK**

## STAINLESS STEEL SLIP HOOKS

Clevis Slip or Eye Slip - Optional Latch

SIZE	CLEVIS SLIP STOCK NUMBER	EYE SLIP STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4"	SSCS250	SSES250	900	0.42
5/16"	SSCS312	SSES312	1,250	0.76
3/8"	SSCS375	SSES375	2,000	1.18
1/2"	SSCS500	SSES500	3,000	2.36



**CLEVIS SLIP HOOK**

## STAINLESS STEEL EYE HOIST HOOK

SIZE	STOCK NUMBER	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)
1 Ton	SSEHH1T	6.50"	1 15/16"	2.0



**EYE HOIST HOOK**

## STAINLESS STEEL SWIVEL EYE HOIST HOOK

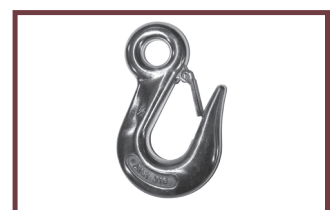
SIZE (TONS)	STOCK NUMBER	OVERALL LENGTH	OVERALL LENGTH	WEIGHT/PIECE (LBS.)
0.5	251-4	6.0"	1 1/8"	0.88



**SWIVEL EYE HOIST HOOK**

## STAINLESS STEEL FIXED EYE HOOKS

EYE SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	OVERALL LENGTH	WEIGHT/PIECE (LBS.)
3/4"	SNAP2311-1	220	4"	0.27
1 1/8"	SNAP2311-2	300	4 3/4"	0.38
1 5/16"	SNAP2311-3	2,200	6 1/2"	2.00



**FIXED EYE HOOK**

## STAINLESS STEEL GRADE 50 EYE SLING HOOKS

EYE SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	OVERALL LENGTH	WEIGHT/PIECE (LBS.)
9/32"	G50ES281WL	2,200	5.43"	1.1
3/8"	G50ES375WL	4,400	6.57"	2.2
1/2"	G50ES500WL	7,100	8.15"	4.2
5/8"	G50ES625WL	11,000	9.61"	6.6



**EYE SLING HOOK  
GRADE 50**

Note: Grade 50 stainless steel hooks are rated for overhead lifting.

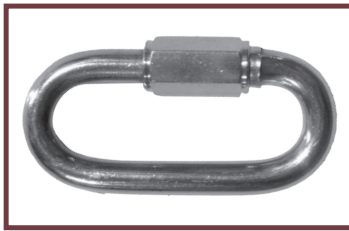
## SPRING HOOKS (UNIVERSAL SNAP) #2450



#2450 Spring Hook

SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/16"	SPRING187SS	2"	1/4"	0.04	220
1/4"	SPRING250SS	2 1/2"	5/16"	0.07	260
5/16"	SPRING312SS	3 1/8"	3/8"	0.16	500
3/8"	SPRING375SS	3 1/2"	1/2"	0.21	550
7/16"	SPRING437SS	4"	9/16"	0.27	770
1/2"	SPRING500SS	4 3/4"	7/8"	0.52	1,200

## QUICK LINKS (RAPID LINKS) #7350



#7350 Quick Link

SIZE	STOCK NUMBER	OVERALL LENGTH	JAW OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/8"	SQL125	1 1/2"	1/4"	0.03	220
3/16"	SQL187	2"	1/4"	0.06	660
1/4"	SQL250	2 5/16"	5/16"	0.10	880
5/16"	SQL312	3"	7/16"	0.20	1,760
3/8"	SQL375	3 1/4"	7/16"	0.25	2,200
1/2"	SQL500	4 1/8"	1/2"	0.53	3,300

Wide Jaw Quick links available upon request.

## PEAR SHAPED QUICK LINKS #7370



#7370 Pear Quick Link

SIZE	STOCK NUMBER	OVERALL LENGTH	JAW OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/4"	SQL250PEAR	3 3/16"	9/16"	0.12	880
5/16"	SQL312PEAR	3 1/2"	11/16"	0.26	1,455
3/8"	SQL375PEAR	4 1/4"	3/4"	0.34	1,805
1/2"	SQL500PEAR	5 1/2"	15/16"	0.78	3,305

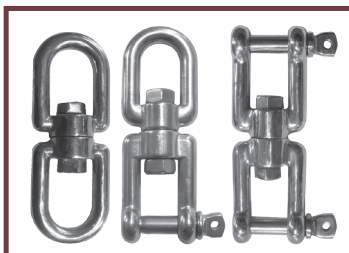
## CONNECTING LINK



#316 Connecting Link

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/16"	SCL187	800	0.04
1/4"	SCL250	1,400	0.06
5/16"	SCL312	2,000	0.10
3/8"	SCL375	2,800	0.20
1/2"	SCL500	4,750	0.40

## #316 STAINLESS STEEL SWIVELS



#316 Swivels

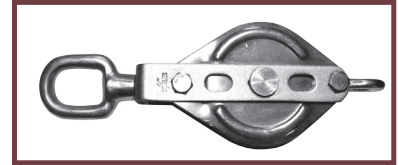
SIZE	STOCK NUMBER	SAFE WORKING LOAD LIMIT (LBS.)	WEIGHT/EACH (LBS.) EYE-EYE	WEIGHT/EACH (LBS.) EYE-JAW	WEIGHT/EACH (LBS.) JAW-JAW
3/16"	SWIV187SS	300	0.12	N/A	N/A
1/4"	SWIV250SS	600	0.13	0.14	0.15
5/16"	SWIV312SS	1,100	0.29	0.33	0.38
3/8"	SWIV375SS	1,500	0.55	0.63	0.74
1/2"	SWIV500SS	2,500	1.25	1.40	1.54
5/8"	SWIV625SS	4,600	2.10	2.36	2.63
3/4"	SWIV750SS	7,000	3.40	3.93	4.34
7/8"	SWIV875SS	9,500	5.02	N/A	N/A
1"	SWIV100SS	11,500	8.73	N/A	N/A

Note: The products on this page are not suitable for overhead lifting.



**#210 SWIVEL BLOCK WITH EYE OR HOOK**

SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
3	75	S210-75	Single
4	100	S210-100	Single
5	125	S210-125	Single
3	75	S210-75D	Double
4	100	S210-100D	Double
5	125	S210-125D	Double



**#210 SWIVEL BLOCK**

**#211 SNATCH BLOCK WITH SIDE LATCH**

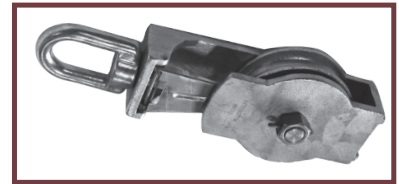
SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
3	75	S211-75	Single
4	100	S211-100	Single
5	125	S211-125	Single



**#211 SNATCH BLOCK**

**#212 OPEN SEINE BLOCK WITH EYE OR HOOK**

SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
2	50	SS212-50	Single
3	75	SS212-75	Single



**#212 OPEN SEINE BLOCK**

**#313 SQUARE SWIVEL BLOCK**

SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
2	50	S313-50	Single
3	75	S313-75	Single
4	100	S313-100	Single



**#313 SQUARE SWIVEL BLOCK**

**#314 ROUND SWIVEL BLOCK**

SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
1	25	S314-25	Single
1 1/4	32	S314-32	Single
2	50	S314-50	Single



**#314 RND. SWIVEL BLOCK**

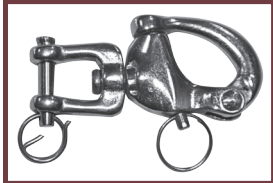
**#315 ROUND SWIVEL BLOCK**

SHEAVE SIZE		STOCK NUMBER	NUMBER OF SHEAVES
IN	MM		
1	25	S315-25	Double
1 1/4	32	S315-32	Double
2	50	S315-50	Double



**#315 RND. SWIVEL BLOCK**

## #2476 STAINLESS STEEL JAW SWIVEL SNAP SHACKLE



JAW SIZE	STOCK NUMBER	OVERALL LENGTH	INSIDE WIDTH	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8"	SNAP2476-1	2 3/4"	1/2"	0.15	800
1/2"	SNAP2476-2	3 1/2"	5/8"	0.27	1,200
7/8"	SNAP2476-3	5"	1"	0.90	1,800

#2476 JAW SWIVEL SNAP SHACKLE

## #2482 STAINLESS STEEL EYE SWIVEL SNAP SHACKLE



EYE SIZE	STOCK NUMBER	OVERALL LENGTH	INSIDE WIDTH	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/2"	SNAP2482-1	2 3/4"	1/2"	0.15	1,000
5/8"	SNAP2482-2	3 1/2"	3/4"	0.26	1,500
1"	SNAP2482-3	5"	1"	0.75	2,100

#2482 EYE SWIVEL SNAP SHACKLE

## #2483 STAINLESS STEEL FIXED SNAP SHACKLE



EYE SIZE	STOCK NUMBER	OVERALL LENGTH	INSIDE WIDTH	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8"	SNAP2483-1	2"	1/2"	0.10	1,000
1/2"	SNAP2483-2	2 3/4"	3/4"	0.20	1,500
5/8"	SNAP2483-3	4"	1"	0.52	2,100

#2483 FIXED SNAP SHACKLE

## #249 STAINLESS STEEL FIXED EYE SNAP HOOK



EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8"	SNAP249-0	2 1/8"	7/32"	0.06	110
5/8"	SNAP249-1	2 7/8"	7/16"	0.10	220
3/4"	SNAP249-2	3 1/4"	1/2"	0.14	330
7/8"	SNAP249-3	3 7/8"	9/16"	0.28	550

#249 FIXED EYE SNAP HOOK

## #5013 STAINLESS STEEL ROUND EYE SWIVEL TRIGGER SNAP



EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/2"	SNAP5013-500	2 11/16"	1/4"	0.11	200
5/8"	SNAP5013-625	2 11/16"	1/4"	0.13	200

#5013 ROUND EYE SWIVEL TRIGGER SNAP

## STAINLESS STEEL SPRING HOOK WITH EYE AND SCREW LOCK



EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
5/16"	SPRING312SSWSCR	3 1/8"	1/4"	0.16	400
3/8"	SPRING375SSWSCR	4"	7/16"	0.30	600
1/2"	SPRING500SSWSCR	4 5/8"	9/16"	0.44	800

SPRING HOOK WITH EYE AND SCREW LOCK

**#225 STAINLESS STEEL SWIVEL EYE SNAP**

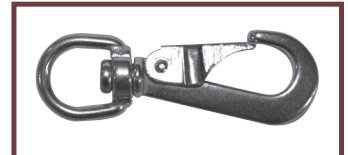
EYE SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)
3/8"	SNAP225-375SS	0.05
1/2"	SNAP225-500SS	0.07
5/8"	SNAP225-625SS	0.10
3/4"	SNAP225-750SS	0.20
1 1/4"	SNAP225-1250SS	0.24



**#225 SWIVEL EYE SNAP**

**#830 STAINLESS STEEL SWIVEL EYE SNAP**

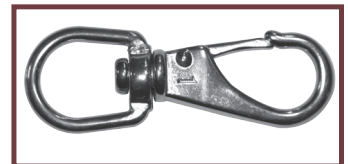
EYE SIZE	STOCK NUMBER	OVERALL LENGTH	WEIGHT/PIECE (LBS.)
3/8"	SNAP830-375SS	2 1/8"	0.06
1/2"	SNAP830-500SS	5 5/8"	0.09
5/8"	SNAP830-625SS	3 1/4"	0.13
3/4"	SNAP7830-750SS	3 1/2"	0.14



**#830 SWIVEL EYE SNAP**

**#251 STAINLESS STEEL SWIVEL EYE SNAP HOOK**

SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
5/8"	SNAP251-1	3 3/8"	7/16"	0.13	140
3/4"	SNAP251-2	4"	1/2"	0.21	160
7/8"	SNAP251-3	4 5/8"	1/2"	0.33	220
1 3/32"	SNAP251-4	5 7/8"	5/8"	0.88	1,000



**#251 SWIVEL EYE SNAP HOOK**

**#2470 STAINLESS STEEL SPRING GATE SNAP**

SIZE	STOCK NUMBER	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/4"	SNAP2470-50	2"	1/4"	0.05	400
3/8"	SNAP2470-75	2.75"	3/8"	0.12	600
1/2"	SNAP2470-100	4"	1/2"	0.30	1,000



**#2470 SPRING GATE SNAP**

**#2430 STAINLESS STEEL HARNESS CLIP**

SIZE	STOCK NUMBER	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/4"	SSHARNNESS250	2 3/8"	5/16"	0.08	330
5/16"	SSHARNNESS312	3 1/4"	7/16"	0.18	880
3/8"	SSHARNNESS375	4"	1/2"	0.32	1,400
1/2"	SSHARNNESS500	4 7/8"	5/8"	0.56	1,950



**#2430 HARNESS CLIP**

**#161 STAINLESS STEEL DOUBLE END BOLT SNAP**

SIZE	STOCK NUMBER	OVERALL LENGTH
1/2"	SNAP161SS	3 1/2"



**#161 DOUBLE END EYE BOLT SNAP**

## STAINLESS STEEL COUPLING LINKS

Grade 50



**STAINLESS STEEL COUPLING LINK**

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"	SSHL281	0.26	2,200
3/8"	SSHL375	0.73	4,400
1/2"	SSHL500	1.54	7,100
5/8"	SSHL625	2.68	11,000

## STAINLESS STEEL MASTER LINKS

Grade 50

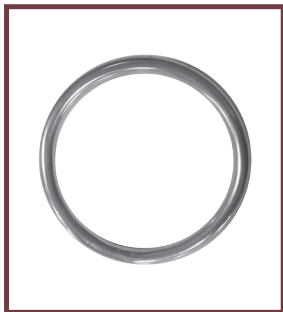


**STAINLESS STEEL MASTER LINK**

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8" X 2" X 3"	SSML375	0.44	1,900
1/2" X 2 - 1/4" X 4 1/4"	SSML500	0.75	2,900
5/8" X 2 1/4" X 4 1/4"	SSML625	1.17	3,800
3/4" X 3" X 5 1/4"	SSML750	1.76	4,400
7/8" X 3 1/2" X 6 1/4"	SSML875	3.30	7,500
1" X 4" X 7"	SSML1000	5.00	12,100
1 1/4" X 4 - 1/4" X 7 3/4"	SSML1250	8.60	18,500
1 1/2" X 5 1/2" X 10 1/4"	SSML1500	14.0	23,200

Note: Grade 50 stainless steel master links are rated for overhead lifting.

## ROUND RINGS - FORMED, WELDED Stainless Steel, Hot Galvanized, Zinc Plated



**STAINLESS STEEL ROUND RING**

SIZE	STAINLESS STEEL STOCK NUMBER	HOT GALVANIZED STOCK NUMBER	ZINC PLATED STOCK NUMBER
1/8" X 1"	RING125X100SS	-	RING125Xx1ZP
5/32" X 1"	RING156X100SS	-	-
5/32" X 1 1/4"	RING156X1250SS	-	-
3/16" X 1"	RING187X100SS	RING187X100HDG	-
3/16" X 1 1/4"	RING187X1250SS	-	-
3/16" X 1 1/2"	RING187X150SS	-	-
3/16" X 2"	RING187X200SS	-	-
1/4" X 1"	RING250X100SS	-	-
1/4" X 1 1/4"	RING250X1250SS	-	RING250X1250ZP
1/4" X 1 1/2"	RING250X150SS	-	-
1/4" X 1 3/4"	RING250X1750SS	-	RING250X1750ZP
1/4" X 2"	RING250X200SS	RING250X2HDG	-
1/4" X 3"	RING250X300SS	RING250X3HDG	-
5/16" X 1 1/2"	RING312X1500SS	-	-
5/16" X 2"	RING312X200SS	RING312X2HDG	-
5/16" X 2 1/2"	RING312X2500SS	-	-
3/8" X 2"	RING375X200SS	RING375X2HDG	-
3/8" X 3"	RING375X300SS	RING375X3HDG	-
3/8" X 3 1/4"	RING375X325SS	-	-
3/8" X 4"	RING375X400SS	-	-
1/2" X 2 1/2"	RING500X2500SS	RING500X250HDG	-
1/2" X 3"	RING500X300SS	RING500X3HDG	-
1/2" X 4"	RING500X400SS	RING500X4HDG	-
5/8" X 4"	RING625X400SS	RING625X4HDG	-

Not rated for overhead lifting.

**DOUBLE END BOLT SNAP**

Zinc Plated

EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)
1/2"	SNAP161NP	3 1/2"	1/4"	0.09
5/8"	SNAP162Z	4"	3/8"	0.12
3/4"	SNAP163Z	4 3/4"	3/8"	0.17

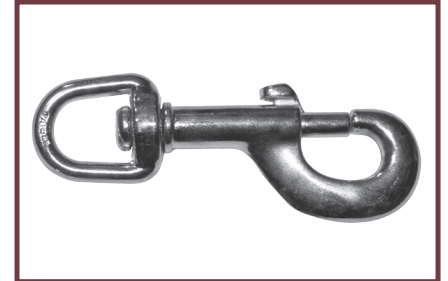


**DOUBLE END BOLT SNAP**

**#225 SWIVEL EYE BOLT SNAP**

Zinc Plated

EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)
3/8"	SNAP225-325	3 1/4"	3/8"	0.09
1/2"	SNAP225-500	3 1/4"	3/8"	0.09
5/8"	SNAP225-625	3 1/2"	3/8"	0.10
3/4"	SNAP225-750	3 1/2"	3/8"	0.11



**#225 SWIVEL EYE BOLT SNAP**

**#232 OPEN END BOLT SNAP**

Zinc Plated

EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)
5/8"	SNAP232ZP	4"	3/8"	0.15



**#232 OPEN END BOLT SNAP**

**#5013 SWIVEL EYE TRIGGER SNAP**

Zinc Plated

EYE SIZE	STOCK NUMBER	OVERALL LENGTH	SNAP OPENING	WEIGHT/PIECE (LBS.)
3/8"	SNAP5013-375	2 1/2"	7/16"	0.06



**#5013 SWIVEL EYE TRIGGER SNAP**



## MANUAL TROLLEY



**MANUAL TROLLEY**

SIZE (TONS)	STOCK NUMBER	WEIGHT (LBS.)	WORKING LOAD LIMIT (TONS)
1/2	TROL05T	10.0	1/2
1	TROL1T	12.0	1
2	TROL2T	25.0	2
3	TROL3T	33.0	3
5	TROL5T	80.5	5

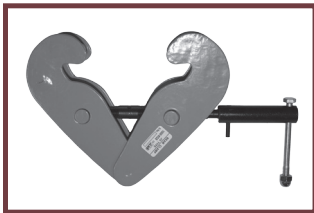
## GEARED TROLLEY



**GEARED TROLLEY**

SIZE (TONS)	STOCK NUMBER	WEIGHT (LBS.)	WORKING LOAD LIMIT (TONS)
3	GTROL3T	90.0	3
5	GTROL5T	121.0	5

## BEAM CLAMP



**BEAM CLAMP**

SIZE (TONS)	STOCK NUMBER	WEIGHT (LBS.)	WORKING LOAD LIMIT (TONS)
1	BEAM1TON	11.0	1
2	BEAM2TON	12.0	2
3	BEAM3TON	26.0	3
5	BEAM5TON	34.0	5
10	BEAM10TON	5.0	10

To prevent the possibility of serious bodily injury, **DO NOT EXCEED** the working load limits.

## LIFTING MAGNETS - XPL SERIES



**XPL SERIES**

PART NUMBER	FLAX MAX CAPACITY (LBS.)	TEST PLATE THICKNESS	ROUND MAX CAPACITY (LBS.)	MINIMUM TO MAXIMUM O.D.
XPL - 4/3	400	1.25"	300	2.5" - 5"
XPL - 8/6	800	1.25"	600	3" - 9"
XPL - 15/9	1,500	1"	900	3" - 10"
XPL - 24/16	2,400	2"	1600	4" - 15"
XPL - 30/24	3,000	2"	2400	4" - 15"
XPL - 50/40	5,000	2"	3700	6" - 18"

## LIFTING MAGNETS - RPL SERIES

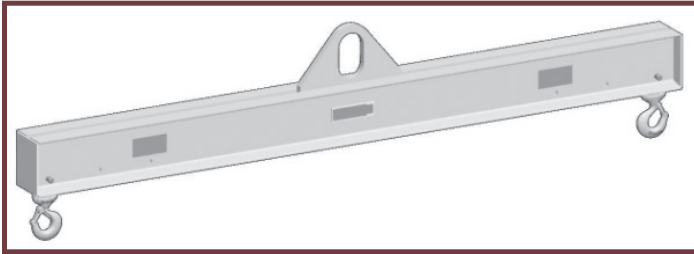


**RPL SERIES**

PART NUMBER	FLAX MAX CAPACITY (LBS.)	TEST PLATE THICKNESS	ROUND MAX CAPACITY (LBS.)	MINIMUM TO MAXIMUM O.D.
RPL - 3	300	1"	150	3"
RPL - 11	1,100	1"	550	5"
RPL - 22	2,200	1.25"	1,100	6.5"
RPL - 35	3,500	2"	1,750	10"
RPL - 70	7,000	2"	N/A	N/A

- No Power Supply Needed
- Easy Manual On/Off
- Lift Flat and Round Material
- Powerful Rare Earth Magnets

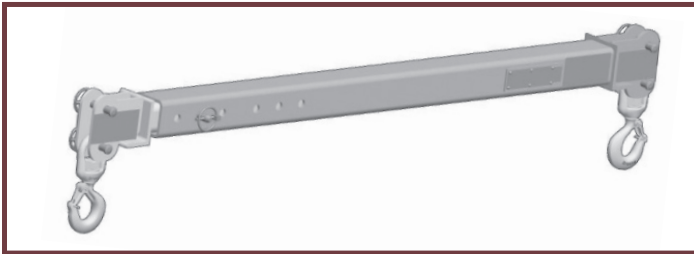
**ENGINEERED BEAMS**



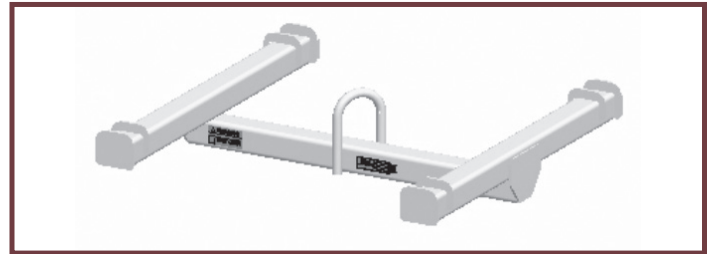
**LIFTING BEAM WITH PARALLEL BALE**



**LIFTING BEAM WITH PERPENDICULAR BALE**

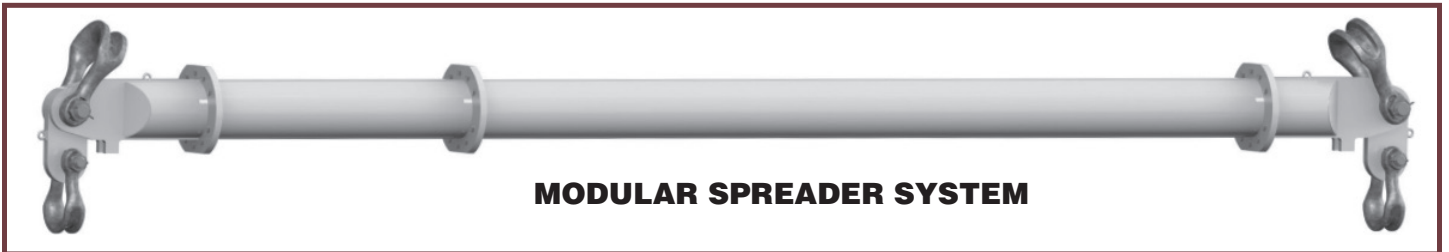


**ADJUSTABLE SPREADER BEAM**



**H-STYLE BEAM**

**MODULIFT ENGINEERED BEAMS**



**MODULAR SPREADER SYSTEM**



**STRUT**

Modular Spreader Systems bring you the ultimate in flexibility and value, and are suitable for a variety of jobs. With an imaginative approach, you can build and easily store a stock of components to deal with an array of lifts from 1' to 170' and from 2 tons through 5,000 tons!



**DROP LINK**



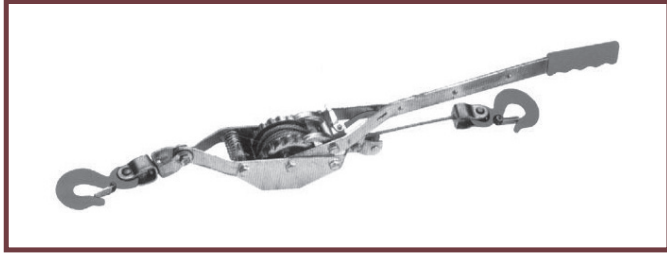
**MODULIFT**



**MODULIFT ASSEMBLED**



**END UNIT SUB-ASSEMBLY**



## DURAPULLER T2

- 1-Ton Capacity, Double-Drive
- 12 Foot Reach Single Line 3/16" Aircraft Cable

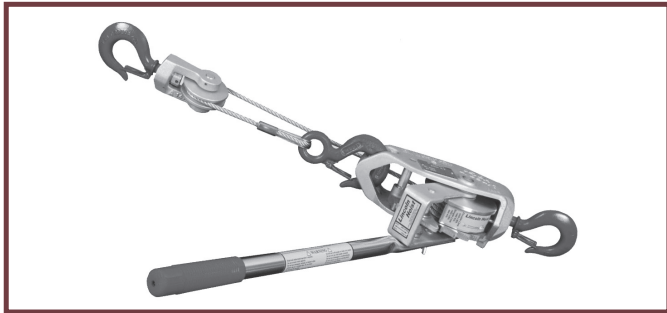
## DURAPULLER T4

- 2-Ton Capacity, Double-Drive with Pulley-Block Assembly
- 6 Foot Reach Double line 3/16" Aircraft Cable with Pulley-Block Assembly

STOCK NUMBER	HANDLE LENGTH	DIAMETER GALVANIZED 7X19 AIRCRAFT CABLE	WORKING LOAD LIMIT (LBS.)	MAXIMUM CAPACITY (LBS.)	PULL FEET	WEIGHT EACH (LBS.)
T2	20"	3/16"	1,000	2,000	12'	8
T4	20"	3/16"	2,000	4,000	6'	9

Warning: Not to be used for overhead lifting. Do not exceed working load limit.

## LINCOLN HOIST CABLE PULLER



## LINCOLN HOIST STANDARD SERIES

STOCK NUMBER	CABLE DIAMETER	HANDLE LENGTH	SINGLE LINE			DOUBLE LINE			HOIST WEIGHT (LBS.)
			RATED LOAD (LBS.)	PULLING DISTANCE	MINIMUM HOOK TO HOOK	RATED LOAD (LBS.)	PULLING DISTANCE	MINIMUM HOOK TO HOOK	
LH1000-15	3/16"	17.5"	1,000	15'	18"	-	-	-	7
LH1500-25	5/32"	15"	750	25'	20"	1,500	12.5'	23"	8.5
LH2250-15	3/16"	17.5"	1,125	15'	20"	2,250	7.5'	23"	8.75
LH2250-20	3/16"	17.5"	1,125	20'	20"	2,250	10'	23"	9.25
LH2250-38	3/16"	22"	1,125	38'	22"	2,250	19'	29"	13.75
LH3000-10	7/32"	20"	1,500	10'	20"	3,000	5'	23"	9
LH3000-30	7/32"	25"	1,500	30'	22"	3,000	15'	29"	13.75
LH4000-20	1/4"	30"	2,000	20'	22"	4,000	10'	29"	15.5
LH6000-15	5/16"	36 / 55"	3,000	15'	26.5"	6,000	7.5'	34"	34

## ROPE RATCHET

DIAMETER OF ROPE	MAXIMUM LOAD LIMIT (LBS.)	BODY SIZE	LENGTH OF ROPE
1/8"	75	1.5" X .66"	6' Polyester
3/16"	110	2" X 1.25"	8' Polypropylene
1/4"	150	2.75" X 1.5"	8' or 15' Polypropylene
3/8"	250	3.5" X 2"	8' or 15' Polypropylene
1/2"	500	5" X 2.5"	8' or 15' Polypropylene



**CHAIN HAND HOIST**

SIZE (TONS)	STOCK NUMBER	FALL	WEIGHT (LBS.)	WORKING LOAD LIMIT (TONS)
1/2	CHFALL1/2TON10	10'	15	1/2
1/2	CHFALL1/2TON20	20'	30	1/2
1	CHFALL1TON10	10'	25	1
1	CHFALL1TON20	20'	38	1
2	CHFALL2TON10	10'	61	2
2	CHFALL2TON20	20'	80	2
3	CHFALL3TON10	10'	87	3
3	CHFALL3TON20	20'	109	3
5	CHFALL5TON10	10'	84	5
5	CHFALL5TON20	20'	123	5

*Note: Any and all sizes are available as a special order. Please inquire with your Advantage sales person.*



**CHAIN HAND HOIST**

**LEVER OPERATED CHAIN HOIST**

SIZE (TONS)	STOCK NUMBER	FALL	WEIGHT (LBS.)	WORKING LOAD LIMIT (TONS)
1/4	LH250	5'	4.5	1/4
3/4	LH750-5	5'	19.0	3/4
3/4	LH750-10	10'	21.0	3/4
3/4	LH750-15	15'	26.0	3/4
3/4	LH750-20	20'	28.0	3/4
1 1/2	LH1500-5	5'	27.0	1 1/2
1 1/2	LH1500-10	10'	32.0	1 1/2
1 1/2	LH1500-15	15'	37.0	1 1/2
1 1/2	LH1500-20	20'	41.0	1 1/2
3	LH300-5	5'	45.0	3
3	LH300-10	10'	51.0	3
3	LH300-20	20'	75.0	3
6	LH600-10	10'	77.0	6
6	LH600-15	15'	91.0	6
6	LH600-20	20'	106.0	6

*Note: Any and all sizes are available as a special order. Please inquire with your Advantage sales person.*



**LEVER OPERATED CHAIN HOIST**

**WARNING:** To prevent the possibility of serious bodily injury, **DO NOT EXCEED** the working load limits.

## NYLON & POLYESTER SLINGS - FLAT EYE & TWISTED EYE

Lengths from 18" to 30' plus.

**Note:** Twisted Eye Slings retain the same rated capacity as Flat Eye Slings.

**Note:** All slings and bridles can be fitted with wear pads and sleeves.

**Wear Pads:** Wear pads provide extra protection at concentrated wear points. They can be sewn at predetermined wear areas, on one or both sides of sling, or in the eyes of the sling. Wear pads can be any length. Wear pads are sewn on and cannot be moved.

Wear pads are available in leather or cordura in all widths.

**Wear Sleeves:** Sleeves add the ability to slide or move the protection at various points. SLIDING SLEEVES are removable from the sling. READY SLEEVES are sewn with 'Velcro' to accommodate fast and easy installation & removal. They are perfect for slings with hardware.

Sleeves are available in cordura, webbing, leather, or felt in all widths.

PLY	WEB WIDTH	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	PRODUCT CODE
ONE PLY	1"	1,600	1,280	3,200	EE1-901
	2"	3,200	2,560	6,400	EE1-902
	3"	4,800	3,840	9,600	EE1-903
	4"	6,400	5,120	12,800	EE1-904
	6"	9,600	7,680	19,200	EE1-906
	8"	12,800	10,240	25,600	EE1-908
TWO PLY	1"	3,200	2,560	6,400	EE2-901
	2"	6,400	5,120	12,800	EE2-902
	3"	9,600	7,680	19,200	EE2-903
	4"	12,800	10,240	25,600	EE2-904
	6"	16,320	13,056	32,640	EE2-906
	8"	22,700	18,200	45,400	EE2-908
THREE PLY	1"	4,100	3,300	8,200	EE3-901
	2"	8,200	6,600	16,400	EE3-902
	3"	12,300	9,900	24,600	EE3-903
	4"	15,300	12,200	30,600	EE3-904
	6"	22,900	18,300	45,800	EE3-906
	8"	30,600	24,500	61,200	EE3-908
FOUR PLY	1"	6,400	5,120	12,800	EE4-901
	2"	12,800	10,240	25,600	EE4-902
	3"	19,200	15,360	38,400	EE4-903
	4"	25,600	20,480	51,200	EE4-904
	6"	38,400	30,720	76,800	EE4-906
	8"	51,200	40,960	102,400	EE4-908

**Type 3 & Type 4, Style 9800**

### FLAT EYE & EYE WITH REINFORCED EYE SLEEVE

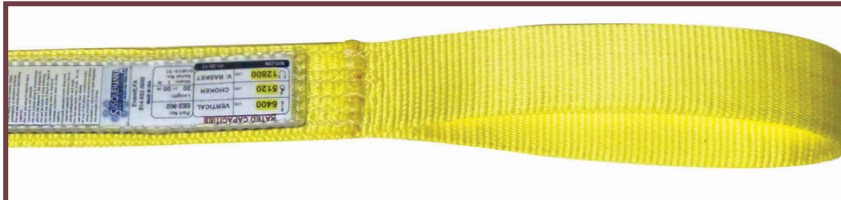
**Type 3**



Web slings made with a flat loop eye on each end with reinforced eye opening on same place as sling body. This type of sling is sometimes called a flat eye and eye, eye and eye, or double eye.

### FLAT EYE & EYE WITH STANDARD SLEEVE

**Type 3**



Web slings made with a flat loop eye on each end with loop eye opening on same place as sling body. This type of sling is sometimes called a flat eye and eye, eye and eye, or double eye.

### TWISTED EYE & EYE SLEEVE

**Type 4**



Web slings made with both loop eyes turned to form a loop eye which is a right angle to the plane of the sling body. This type of sling is commonly referred to as a twisted eye sling.



**NYLON & POLYESTER SLINGS - ENDLESS**

**Type 5, Style 9800**

PLY	WEB WIDTH	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	PRODUCT CODE
ONE PLY	1"	3,200	2,560	6,400	EN1-901
	2"	6,400	5,120	12,800	EN1-902
	3"	9,600	7,680	19,200	EN1-903
	4"	12,800	10,240	25,600	EN1-904
	6"	19,200	15,360	38,400	EN1-906
	8"	25,600	20,480	51,200	EN1-908
TWO PLY	1"	6,400	5,120	12,800	EN2-901
	2"	12,800	10,240	25,600	EN2-902
	3"	19,200	15,360	38,400	EN2-903
	4"	25,600	20,480	51,200	EN2-904
	6"	38,400	30,720	76,800	EN2-906
	8"	51,200	40,960	102,400	EN2-908

Note: Protective cordura covering can be placed on any part of type 3 & 4 slings as well as type 5 (endless) slings.

**We sew synthetic slings to your specifications. Please call with any custom requirements.**

Endless web slings are the most practical type for many hoisting applications. They can be used for both a choker or basket sling.



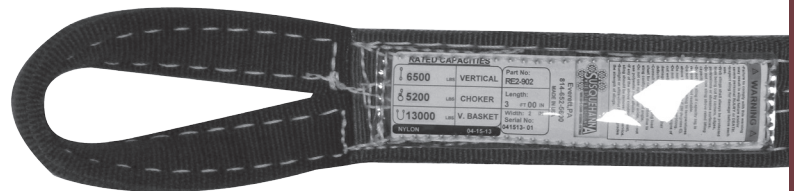
**ENDLESS SLING TYPE 5**

**REVERSED EYE**

PLY	SLING WIDTH	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	PRODUCT CODE
TWO PLY	2"	6,500	5,200	13,000	RE2-902
	4"	13,000	10,400	26,000	RE2-904
	6"	23,400	18,720	46,800	RE2-906

Note: The thickness of 2 ply reverse eye slings are 1/2"

Reversed eye web slings are the best general purpose nylon sling available. Eyes can be turned to either side to increase sling life.



**REVERSED EYE SLING TYPE 6**

**ORDERING SLINGS BY STOCK NUMBER**

Specify Sling Length (in feet) After Stock Number

1) Select the sling type best suited:

- Triangle-Choker TC
- Triangle-Triangle TT
- Flat Eye-Eye EE
- Endless EN
- Bridle

2) Determine number of plys and widths required at top rated capacity needed.

3) Add lengths to our part number.

Example:

**EE 2 - 90 2 X 12**

Sling Type

No. of Body Plys

Sling & Web Construction

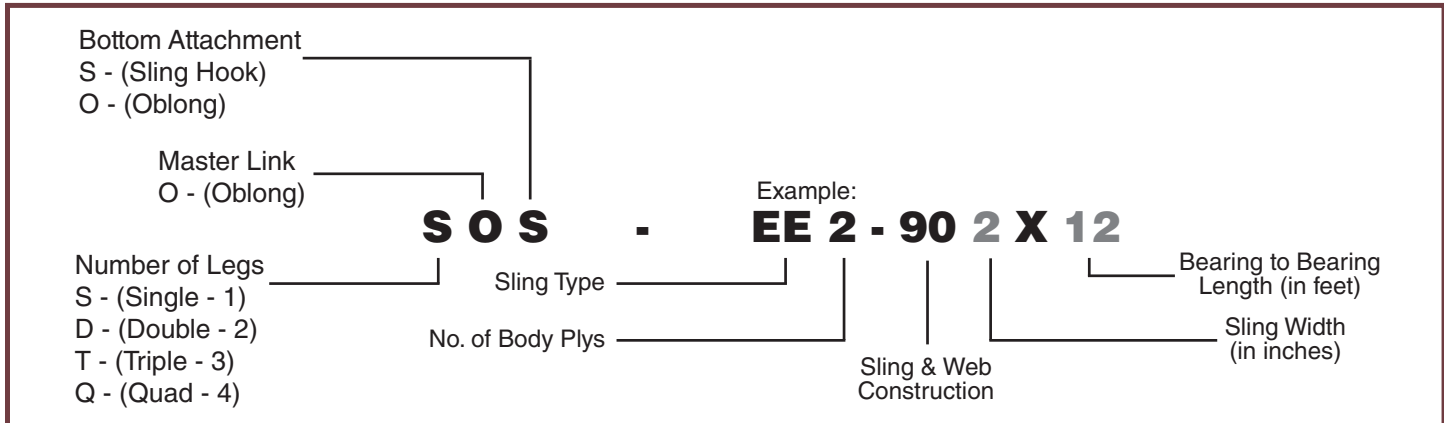
Bearing to Bearing Length (in feet)

Sling Width (in inches)

## NYLON SLINGS

PART NUMBER	WEB WIDTH	WEB PLY	NUMBER OF LEGS	RATED CAPACITY (LBS.)				OBLONG LINK	HOOK SIZE (TONS)
				VERTICAL	60°	45°	30°		
EE1-901	1"	1	Single	1,600	-	-	-	1/2"	1
	1"	1	Double	-	2,700	2,200	1,600	1/2"	1
	1"	1	Triple	-	4,100	3,300	2,400	3/4"	1
	1"	1	Quad	-	5,500	4,500	3,200	1"	1
EE2-901	1"	2	Single	3,200	-	-	-	1/2"	2
	1"	2	Double	-	5,400	4,400	3,200	3/4"	2
	1"	2	Triple	-	8,200	6,700	4,800	3/4"	2
	1"	2	Quad	-	10,500	8,400	6,000	1"	2
EE1-902	2"	1	Single	3,200	-	-	-	1/2"	2
	2"	1	Double	-	5,400	4,400	3,200	3/4"	2
	2"	1	Triple	-	8,200	6,700	4,800	3/4"	2
	2"	1	Quad	-	10,500	8,400	6,000	1"	2
EE2-902	2"	2	Single	6,400	-	-	-	3/4"	4 1/2
	2"	2	Double	-	11,000	8,900	6,000	1"	4 1/2
	2"	2	Triple	-	16,500	13,400	9,600	1"	4 1/2
	2"	2	Quad	-	21,500	17,500	12,500	1 1/4"	4 1/2

## ORDERING NYLON SLINGS



### WARNING:

Do not exceed rated capacities. Sling tension increases as the angle from horizontal decreases. Slings should not be used at angles of less than 30°.

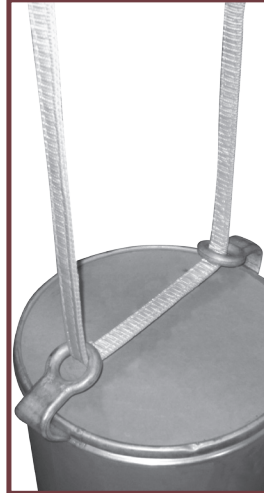




**PLASTIC CORNER PROTECTOR**



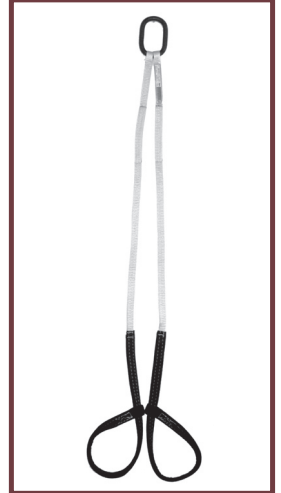
**WEB SLING CONNECTOR**



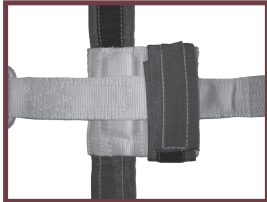
**CUSTOM BARREL SLING**



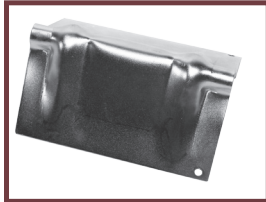
**CUSTOM BRIDLE WITH J-HOOKS**



**SELF CHOKING BRIDLE**



**READY SLING CORNER PROTECTOR**



**METAL CORNER PROTECTOR**



**2" & 4" RUBBER CORNER PROTECTOR**



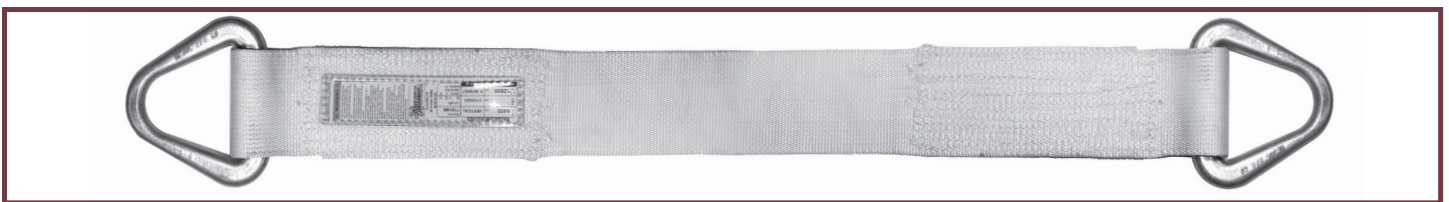
**DRUM LIFTER**



**WHEEL NET**



**TWO-LEGGED BRIDLE**



**TYPE 2 TRIANGLE-TRIANGLE**



**CORDURA**



**CORDURA READY SLEEVE**



**TYPE 1 TRIANGLE CHOKER**












**READY FELT SLEEVE**





## ROUND SLINGS

Endless

COLOR	APPROX. DIAMETER (NO LOAD)	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	PRODUCT CODE
 PURPLE	.625"	2,600	2,100	5,200	ENR1-2600
 GREEN	.875"	5,300	4,200	10,600	ENR2-5300
 YELLOW	1.125"	8,400	6,700	16,800	ENR3-8400
 RED	1.375"	13,200	10,600	26,400	ENR5-13200
 BLUE	1.625"	21,200	17,000	42,400	ENR7-21200
 GREY	2.125"	31,000	24,800	62,000	ENR9-31000
 ORANGE	2.350"	40,000	32,000	80,000	ENR10-40000
 BROWN	3.150"	53,000	42,400	106,000	ENR11-53000
 OLIVE	3.950"	66,000	52,800	132,000	ENR12-66000

*Inquire about lengths desired.*

## INSULATED ROLLER BEARING SWIVEL

For Welding Applications

SIZE	WORKING LOAD LIMIT (LBS.)	LENGTH	DEPTH	WEIGHT
9/32"	3,500	3"	1.9"	1.5"
5/16"	4,500	3"	1.9"	1.5"
3/8"	7,100	3.8"	2.3"	3.1"
1/2"	12,000	4.7"	3"	6.4"
5/8"	18,100	5.4"	3.5"	10.8"
3/4"	28,300	6.3"	4.1"	15.9"

Design Factor 4:1 Proof tested and certified.



**INSULATED ROLLER BEARING SWIVEL**

## HALF LINK CONNECTOR

SIZE	WORKING LOAD LIMIT (LBS.)	L	B	G	E	WEIGHT/PIECE (LBS.)
9/32"	3,500	1.1"	0.71"	0.35"	0.87"	0.22
5/16"	4,500	1.1"	0.71"	0.35"	0.87"	0.22
3/8"	7,100	1.3"	1"	0.5"	1"	0.44
1/2"	12,000	1.7"	1.1"	0.6"	1.3"	0.88
5/8"	18,100	2.0"	1.4"	0.7"	1.6"	1.5
3/4"	28,300	2.5"	1.7"	0.9"	1.9"	2.4
7/8"	34,200	3.0"	2"	0.9"	2.4"	3.7
1"	47,700	3.1"	2.3"	1.1"	2.4"	5.7
1 1/4"	72,300	3.9"	2.8"	1.4"	3.1"	10.8

Design Factor 4:1 Proof tested and certified.



**HALF LINK CONNECTOR**

## ANGULAR CONTACT BEARING SWIVELS



**BULLET STYLE**



**JAW-JAW**



**EYE-EYE**



**JAW-EYE**



**EYE-JAW**



**JAW-HOOK**



**EYE-HOOK**

Available in sizes 3/4 ton to 35 ton. API certified.



## 1" WIDE HANDLE RATCHET BUCKLE

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
701E-011	1,100	3,300	0.75

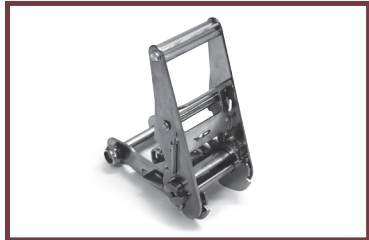
## 2" LONG WIDE HANDLE RATCHET BUCKLE



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
703AP-021	3,670	11,000	2.45

Double Security Lock Yellow Zinc

## 2" SHORT HANDLE RATCHET BUCKLE



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
703CP-011	3,670	11,000	2.35

Double Security Lock Yellow Zinc

## 3" AND 4" LONG HANDLE RATCHET BUCKLE

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
704P	7,300	22,000	5.5
704A	8,000	24,000	8.14

## 2" FINGER RATCHET BUCKLE

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
38-10A-H	3,670	11,000	2.55

## 2" GRIP RATCHET BUCKLE

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
R50-GH	3,670	11,000	2.60

## 4" LONG HANDLE RATCHET BUCKLE WITH 16" TAIL & FLAT HOOK ATTACHED

Yellow Zinc

STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
704B1	8,000	24,000	9.4



## 1" CAM BUCKLE, ZINC PLATED

Heavy Duty

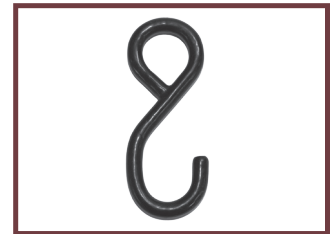
STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1823	500	1,500	0.29



## 1" S-HOOK

Black Vinyl Coated

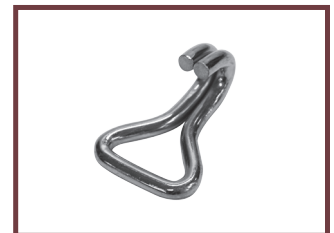
SIZE (DIAMETER)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
7 mm	Y1817	500	1,500	0.18
8 mm	Y1816	880	2,640	0.22



## 2" DOUBLE J-HOOK

Yellow Zinc

SIZE (LENGTH)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
3 3/8"	Y1820A	3,670	11,000	0.66
3 3/4"	Y1820B	3,670	11,000	0.70



## 3" DOUBLE J-HOOK

Yellow Zinc

SIZE (LENGTH)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
4 5/8"	Y20M3J	7,333	22,000	1.45



## 2" FLAT HOOK WITH WEAR CLIP

Yellow Zinc

STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1830	3,335	10,000	0.67



## 2" & 4" FLAT HOOKS

Yellow Zinc



SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
2"	Y1830	3,335	10,000	0.70
4"	Y1831	5,000	15,000	1.00

## 2" TWISTED SNAP HOOK

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1842	3,666	11,000	0.70

## 2" METAL DELTA RING

Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1853ND	3,666	11,000	0.275

## 2" SNAP HOOK

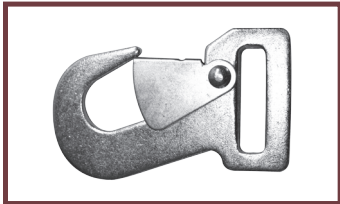
Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1840	3,666	11,000	0.70

## 2" FLAT SNAP HOOK

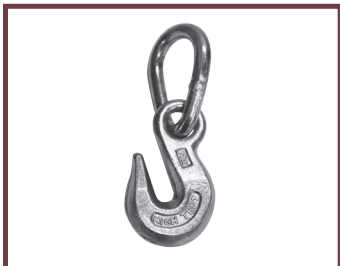
Yellow Zinc



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y1841	2,000	6,000	0.37

## 3/8" EYE GRAB HOOK WITH PEAR LINK

Zinc Plated



STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y3815	5,400	16,200	1.45

## 18" CHAIN ANCHOR WITH PEAR LINK

For 2" Webbing

STOCK NUMBER	CHAIN	HOOK	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y3816	5/16" G70	5/16" G70	3,335	10,000	3.75



## 18" CHAIN ANCHOR WITH 3" DELTA RING

For 3" And 4" Webbing

STOCK NUMBER	CHAIN	HOOK	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y3816A	3/8" G70	3/8" G70	5,000	15,000	3.86



## STANDARD WINCH BAR

Plated

STOCK NUMBER	FINISH	LENGTH	WEIGHT (LBS.)
Y709	Plated	32.5"	5.1



## COMBINATION WINCH BAR

Painted Black

STOCK NUMBER	FINISH	LENGTH	WEIGHT (LBS.)
Y709A	Painted	37"	6.0



## TRAILER SAFETY CHAIN SAE Code J684: Minimum Test Load Standard for Trailer Safety Chains and Their Components

TRAILER CLASSIFICATION	CHAIN SPECIFICATION	MINIMUM BREAKING TEST LOAD (LBS.)
Class 1	Steel Welded Chain (or its equivalent in strength)	2,000
Class 2	Steel Welded Chain (or its equivalent in strength)	3,500
Class 3	Steel Welded Chain (or its equivalent in strength)	5,000
Class 4	The breaking strength rating of each length of safety chain or its equivalent and its attachments will be equal to or exceed the gross weight of the trailer and its respective load.	

CSA tags available.



**TRAILER SAFETY CHAIN ASSEMBLY WITH S-HOOK AND LATCH**

### TRAILER SAFETY CHAIN ASSEMBLIES

#### With S-Hook with Latch

TRAILER CLASSIFICATION	GROSS TRAILER WEIGHT (LBS.)	CHAIN SIZE	S-HOOK CHAIN GRADE	SIZE
1	2,000	3/16"	G-30 Proof Coil	3/8"
2	3,500	5/0	G-30 Proof Coil	13/32"
3	5,000	1/4"	G-30 Proof Coil	7/16"
4	7,600	8/0	G-30 Proof Coil	17/32"
4	7,600	3/8"	G-30 Proof Coil	17/32"

Note: Assemblies are equipped with 1 or 2 S-Hooks and any chain length requested. CSA tags available.



**TRAILER SAFETY CHAIN ASSEMBLY WITH CLEVIS SLIP AND LATCH**

### TRAILER SAFETY CHAIN ASSEMBLIES

#### With Clevis Slip Hook with Latch

TRAILER CLASSIFICATION	GROSS TRAILER WEIGHT (LBS.)	CHAIN SIZE	CHAIN GRADE
4	7,800	1/4"	G-43 High Test
4/5	11,700	5/16"	G-43 High Test
4/5	16,200	3/8"	G-43 High Test
5	12,600	1/4"	G-70 Transport Chain
5	18,800	5/16"	G-70 Transport Chain
5	26,400	3/8"	G-70 Transport Chain
6	45,200	1/2"	G-70 Transport Chain

Note: Assemblies are equipped with any chain length requested. CSA tags available.



**JOINING LINK**

### JOINING LINKS

SIZE	STOCK NUMBER	FINISH	MINIMUM BREAK FORCE
9/0	JLINK9/0	Plain	*
7/16"	JLINK7/16	Plain	*

\*Minimum breaking force not available due to variety of attachment means.



**TRAILER SAFETY S-HOOKS**

Heat Treated, Zinc Plated, with or without Latch

TRAILER CLASSIFICATION	HOOK DIAMETER	GROSS TRAILER WEIGHT (LBS.)
Class 1	3/8"	2,000
Class 2	13/32"	3,500
Class 3	7/16"	5,000
Class 4	17/32"	7,600



**S-HOOK WITH LATCH**

**CLEVIS SLIP HOOKS WITH SAFETY LATCH**

TRAILER CLASSIFICATION	GROSS TRAILER WEIGHT (LBS.)	OPENING CHAIN GRADE	HOOK SIZE	THROAT OPENING
4	7,800	G-43	1/4"	1/2"
4/5	11,700	G-43	5/16"	3/4"
4/5	16,200	G-43	3/8"	1"
5	27,600	G-43	1/2"	1 1/4"
5	12,600	G-70	1/4"	1/2"
5	18,800	G-70	5/16"	3/4"
5	26,400	G-70	3/8"	1"

Note: According to NACM Specifications for G-43, G-70, and G-80 Chain.



**CLEVIS SLIP HOOK WITH LATCH**

**TRAILER SAFETY CABLE ASSEMBLIES**

Vinyl Coated Cable with S-Hooks or Clevis Slip Hooks with Latch

TRAILER CLASSIFICATION	GROSS TRAILER WEIGHT (LBS.)	CABLE SIZE	CABLE DESCRIPTION	HOOK SIZE
1	2,000	1/8" - 3/16"	7 X 19 Vinyl Coated GAC	3/8" S-Hook
2	3,500	3/16" - 1/4"	7 X 19 Vinyl Coated GAC	13/32" S-Hook
3	5,000	1/4" - 5/16"	7 X 19 Vinyl Coated GAC	7/16" S-Hook
4	7,600	5/16" - 3/8"	7 X 19 Vinyl Coated GAC	17/32" S-Hook
4	7,000	1/4" - 5/16"	7 X 19 Vinyl Coated GAC With Latch	1/4" Clevis Slip Hook
5	9,800	5/16" - 3/8"	7 X 19 Vinyl Coated GAC With Latch	5/16" Clevis Slip Hook
5	14,400	3/8" - 7/16"	7 X 19 Vinyl Coated GAC With Latch	3/8" Clevis Slip Hook

Note: Assemblies are equipped with any cable length or color requested. CSA tags available.



**CABLE ASSEMBLY WITH S-HOOK AND LATCH**



**CABLE ASSEMBLY WITH CLEVIS SLIP HOOK**



Our safety chains are approved by CSA International for use in Canada.

## RECESSED ROPE RING & TRIM RING

STOCK NUMBER	CAPACITY (LBS.)	FINISH	DESCRIPTION
RRINGJ-701	1,000	Zinc	For use with 3/8" plywood, pan recessed 3/8"

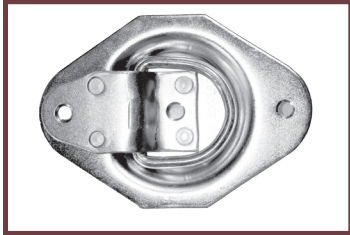
For 1/4" plywood. This design assures strong retention of 1/4" diameter D-Ring, 3 1/2" diameter. Two mounting holes for 1/4" screws.



**RECESSED ROPE RING WITH TRIM RING**

## RECESSED ROPE RING

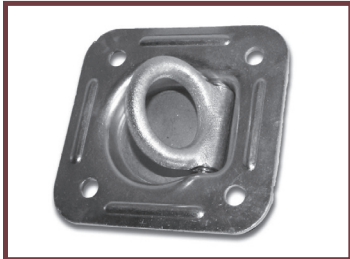
STOCK NUMBER	CAPACITY (LBS.)	DESCRIPTION
RRINGJ-601	1,200	For use with 3/8" plywood, pan recessed 3/8"



**RECESSED ROPE RING**

## SQUARE RECESSED TIE DOWN #5000

STOCK NUMBER	CAPACITY (LBS.)	FINISH	DESCRIPTION
RRINGJ-600	5,000	Zinc	Square, Four Bolt Recessed Tie Down



**SQUARE RECESSED TIE DOWN**

## ROUND RECESSED TIE DOWN #6000

STOCK NUMBER	CAPACITY (LBS.)	FINISH	DESCRIPTION
RRINGJ-602	6,000	Zinc	Round, 3-Part, Two Bolt Recessed Tie Down



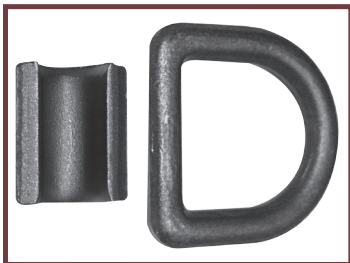
**ROUND RECESSED TIE DOWN**

## WELD-ON D-RING

**Not for Overhead Lifting**

SIZE	BREAKING STRENGTH (LBS.)	MATERIAL	WEIGHT	DESCRIPTION
J-704	12,000 capacity	C-1045	0.45	1/2" forged D-ring w/ weld-on or bolt-on mounting bracket
J-705	18,000 capacity	C-1045	0.70	5/8" forged D-ring w/ weld-on mounting bracket
J-706	26,500 capacity	C-1045	0.95	3/4" forged D-ring w/ weld-on mounting bracket
J-707	46,750 capacity	C-1045	1.30	1" forged D-ring w/ weld-on mounting bracket

The rings come with weld-on mounting brackets. Brackets are 1 7/8" wide and 3/8" thick for J-705 and J-706, 2" wide and 3/8" thick for J-707.



**WELD-ON D-RINGS**

**PLATE CLAMPS**

**Model JPA**

PLATE THICKNESS - 'A'	WORKING LOAD LIMIT (TONS)	STOCK NUMBER	WEIGHT (LBS.)
0" - 5/8"	1/2	JPA-1/2TON-0"-5/8"	12
1/2" - 1"	1/2	JPA-1/2TON-1/2"-1"	12
3/4" - 1 1/4"	1/2	JPA-1/2TON-3/4"-1.25"	12
1 1/4" - 1 3/4"	1/2	JPA-1/2TON-1.25"-1.75"	12
0" - 3/4"	1	JPA-1TON-0"-3/4"	20
1/2" - 1"	1	JPA-1TON-1/2"-1"	20
3/4" - 1 1/4"	1	JPA-1TON-3/4"-1.25"	20
1" - 1 1/2"	1	JPA-1TON-1"-1.5"	20
1 1/2" - 2"	1	JPA-1TON-1.5"-2"	20



**PLATE CLAMP JPA**

The **Model JPA** is a vertical lifting clamp capable of turning a single plate or member from horizontal to vertical to horizontal through a 180-degree arc. Incorporates a push button auxiliary lock. Permits side loading of lifting shackle to 90 degrees by derating of clamp's rated capacity.

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

**PLATE CLAMPS**

**Model FR**

PLATE THICKNESS - 'A'	WORKING LOAD LIMIT (TONS)	STOCK NUMBER	WEIGHT (LBS.)
0" - 3/4"	1/2	FR-1/2TON-0"-5/8"	8
1/2" - 1"	1/2	FR-1/2TON-1/2"-1"	8
3/4" - 1 1/4"	1/2	FR-1/2TON-3/4"-1.25"	9
1" - 1 1/2"	1/2	FR-1/2TON-1"-1.5"	10
1 1/4" - 1 3/4"	1/2	FR-1/2TON-1.25"-1.75"	11
0" - 3/4"	1	FR-1TON-0"-3/4"	14
1/2" - 1"	1	FR-1TON-1/2"-1"	15
3/4" - 1 1/4"	1	FR-1TON-3/4"-1.25"	15
1" - 1 1/2"	1	FR-1TON-1"-1.5"	16
1 1/4" - 1 3/4"	1	FR-1TON-1.25"-1.75"	17
1 1/2" - 2"	1	FR-1TON-1.5"-2"	18



**PLATE CLAMP FR**

The **Model FR** is a vertical lifting tool for relatively light work. It is small and easy to handle in capacities through three tons. It incorporates a "Lock Closed" feature which facilitates attaching the clamp to the plate.

**PLATE CLAMPS**

**Model SCPA**

PLATE THICKNESS - 'A'	WORKING LOAD LIMIT (TONS)	STOCK NUMBER	WEIGHT (LBS.)
0" - 3/4"	1/2	SCPA-1/2TON	8
0" - 1 1/4"	1 1/2	SCPA-1.5TON	15
0" - 2"	3	SCPA-3TON	24

Larger Sizes are Repair Kits available upon request.

The **SCPA** clamp is capable of handling steel plate from horizontal to vertical to horizontal through a 180 degree arc and may be used for handling plate at rolling and forming machines. These clamps feature a spring loaded pivoting cam jaw that "cams in" when a load is applied to the lifting shackle. Clamp is capable of handling plate horizontally when used in pairs or sets of pairs, or in a tripod arrangement.



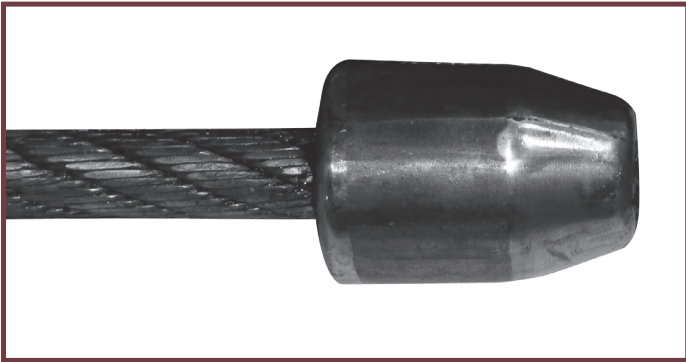
**PLATE CLAMP**



**SINGLE TRUCK**



**DUAL TRIPLE TRUCK**



**SWAGED WINCH LINE**



**G80 & G100 CHAIN**



**ALLOY COUPLING LINK**



**KEYHOLE GRAB HOOK**



**SCREW PIN  
ANCHOR SHACKLE**



**CHAIN CHOKER HOOK**



**MAIN LINE SLIDE**



**CLEVIS GRAB HOOK**

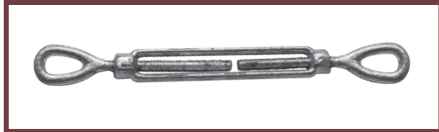




**OSHA KNOT/FIELD WEDGE**



**ENDLESS SLINGS - GROMMETS**



**TURNBUCKLES**



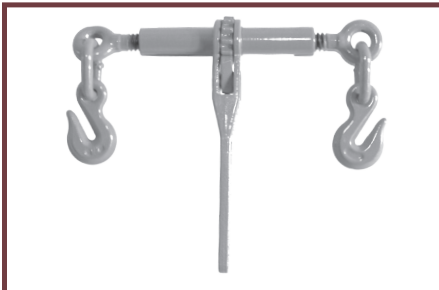
**WHIP RESTRAINT CABLE**



**WINCHLINE WITH TAIL CHAIN**



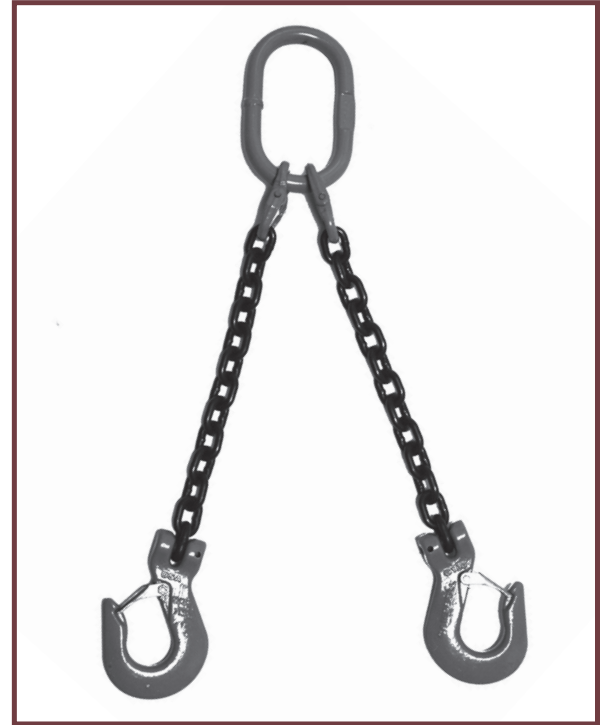
**SAFETY ANCHOR SHACKLE**



**RATCHET LOAD BINDER**



**WIRE ROPE SLINGS**



**CHAIN SLING**



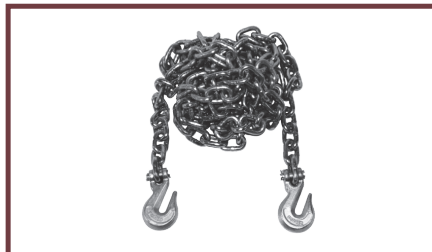
**ENDLESS ROUND SLINGS**



**MANILA ROPE**



**TAIL BOARD BLOCK**



**BINDER CHAIN**



**SNATCH BLOCK WITH SHACKLE**



**SNATCH BLOCK WITH HOOK**





**CHAIN RECERTIFICATION**



**WE HAVE STATE OF THE ART TEST BEDS  
AT THREE LOCATIONS**



**BLOCK TESTING**



**MOBILE TESTING UNIT**

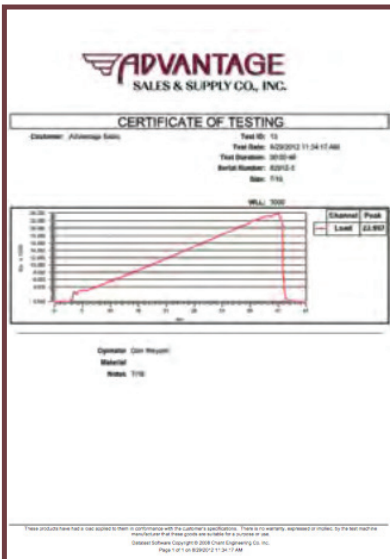




**OUR TECHNICIAN IN THE FIELD**



**WIRE ROPE GRIPS FOR LONGER WIRE ROPES**



**OUR CERTIFICATE OF TESTING**



**BEAM TESTING**



**MOBILE VACUUM LIFTER TESTING**



**WIRE ROPE FABRICATION**

## WIRE ROPE AND WINCHLINES

Our fully stocked and equipped wire rope fabrication shop can tackle even the most critical rigging applications. Whether its for the oil & gas industry, excavation, crane operators, tow trucks and roll backs, MRO or a simple winchline for an ATV, we can handle the job. All of our products are certified and tested to meet applicable standards. Please review our E-Z GUIDE to assist you during the ordering process.



**CHAIN FABRICATION**

## CHAIN FABRICATION AND ASSEMBLY

If you are in need of a certified lifting chain, Grade 70 tie-down binder chain, cut lengths of Grade 30 Proof Coil or trailer safety chains, our chain shop can accommodate you. Our top quality components and careful fabrication get you the right chain products to get the job done. All of our chain products meet the applicable specifications, whether it be OSHA B30.9, ASTM J-684, API, Federal Military Specifications or DOT regulations. Again, please refer to our E-Z Guide to assist you during the ordering process. Our efficient chain shop is ready to get you the right products at the right price, in the fastest time frame.



**SYNTHETIC FABRICATION**

## SYNTHETIC FABRICATION

If its web slings or tie downs you are looking for, we have you covered. Light weight and durable, our nylon and polyester slings are useful in many applications. Our web slings are certified to OSHA B30.9 and are tested regularly to guarantee performance. A great option for when you need a light weight, high strength, non-abrasive, safe, low cost alternative to get a rigging job completed. Again, please refer to our E-Z Guide to assist you during the ordering process. Our custom synthetic fabrication team stocks and can sew all sizes up to 12" 4 ply web slings. Additionally, we can outfit you with custom lifting products to meet your particular application, whether its for lifting barrels, a 4 leg bridle or an Endless Round Sling. If you need it, we can sew it!!!



**PLASMA ROPE FABRICATION**

## PURPLE PLASMA HIGH STRENGTH ROPE FABRICATION

These winchlines and slings offer a high strength, light weight alternative to wire rope. These ropes are hand spliced in house by our skilled technicians. Purple Plasma is great for river and oilfield applications and is one of the safest products on the market. They are not recommended for applications where there is abrasion or heat. These products are safe and rated for overhead lifting.



**TRAILER SAFETY FABRICATION**

## TRAILER SAFETY CHAIN ASSEMBLY

We are one of the largest trailer safety chain suppliers in the country. The reason for this is we realize that the "one size fits all" approach our competitors use just isn't flexible enough for the trailer manufacturing industry. Made in accordance with ASTM J-684, our safety chains range from a 2,000# GVWR up to 45,200# GVWR, we can outfit your trailer with the proper length to keep your customers safe out there on the road. In addition to use in the USA, our chains are approved for use in Canada by CSA International.









**TWIST LINK HIGHWAY SERVICE**



**V-BAR REINFORCED**



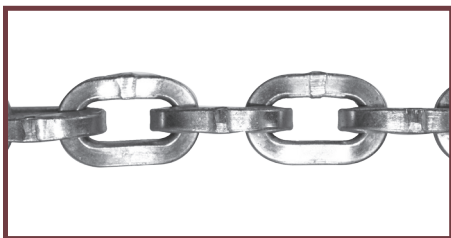
**STUDED**

## RULES OF USING TIRE CHAINS

**IMPORTANT: Prefit Chains Prior to Actual Use!**

### For Your Convenience & Safety:

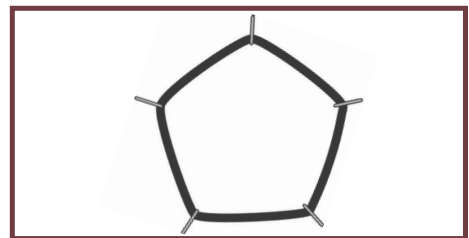
- Consult owner's manual to see if chains can be used on your vehicle.
- Make certain your tire chains are properly sized for your tires.
- Follow directions for installing tire chains. Apply as tightly as possible by hand for maximum chain life.
- Be sure to pull off highway to safe place before installing, servicing or removing tire chains.
- Do not inflate tires to install tire chains.
- Drive approximately 1/4 mile. Stop & re-tighten. Extra links may be cut off or preferably retained on the fastener arm. Keep chains tight to snug throughout the operation. Only after re-tightening may rubber adjusters be applied.
- Do not exceed 30 MPH. Accelerate and decelerate slowly. Avoid spinning or locking of wheels.
- If a cross chain should fail, stop immediately. Repair or remove. Do not drive with a broken chain.
- Avoid hitting curbs with tire chains.
- Tire chains are not designed for towing vehicles.



**SQUARE LINK**



**REPLACEMENT  
TIGHTENER CAM**



**RUBBER STRAP**



**SINGLE TRUCK**



**DUAL TRIPLE TRUCK**



**MUD SERVICE**



**SKID STEER**



## Ordering:

1. Tell us the size of your tire
2. Select the style of chain (V-Bar, Studded, Square, etc.)
3. Select the primary environment you will use your chains in (ice, mud, highway, etc.)



**DIAMOND PATTERN**



**STUDED**



**TRACTOR  
H-PATTERN**



**HEAVY EQUIPMENT/  
LOADER**



**FORK LIFT**



**LAWN & GARDEN**

## LANYARDS/SHOCK ABSORBERS



**450A**



**490A**



**450AS**



**460A**



**444A**



**460AS**



**444AS**



**631-KIT**

## LANYARD SNAP HOOK OPTIONS



**74N**



**Z74**



**69**



**69N**



**135**



**135A**



**136**



**136Z**



**RESCUE/RECOVERY/  
CONFINED SPACE  
SYSTEMS**



**S50G-M7 -  
TRIPOD SYSTEMS**

**HARNESSES**



**600 SERIES - LIGHTWEIGHT**



**800 SERIES -  
TOWER CLIMBER**

**RETRACTABLE  
LIFELINES**

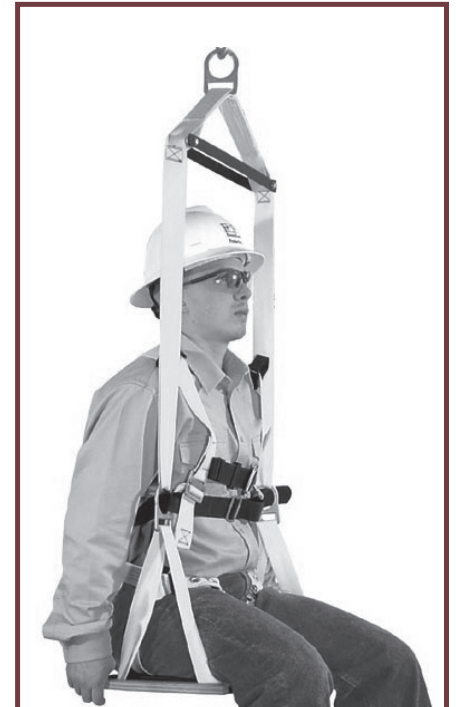


**RL25AG**

**RL50G**



**STRATOS**



**4000 SERIES -  
BOSUN CHAIR**

## Typical Evidence of Wear and Abuse

All wire ropes should be thoroughly inspected at regular intervals. The longer it has been in service or the more severe the service, the more thoroughly and frequently it should be inspected. Be sure to maintain records of each inspection.

Inspections should be carried out by a person who has learned through special training or practical experience what to look for and who knows how to judge the importance of any abnormal conditions they may discover. It is the inspector's responsibility to obtain and follow the proper inspection criteria for each application inspected.



This is a wire rope with a **HIGH STRAND** - a condition in which one or more strands are worn before adjoining strands. This is caused by improper socketing or seizing, kinks or dog-legs. It recurs every sixth strand in a 6-strand rope.



A **KINKED WIRE ROPE** is shown here. It's caused by pulling down a loop in a slack line during handling, installation or operation. Note the distortion of the strands and individual wires. This rope must be replaced.



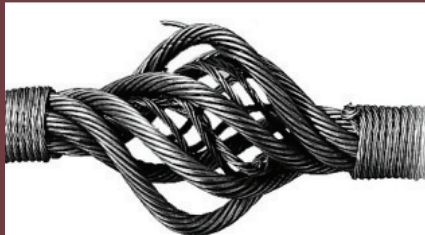
Here you see a single strand removed from a wire rope subjected to **STRAND NICKING**. This condition is a result of adjacent strands rubbing against one another. While this is normal in a rope's operation, the nicking can be accentuated by high loads, small sheaves or loss of core support. The ultimate result will be individual wire breaks in the valleys of the strands.



A typical failure of a rotary drill line with a **POOR CUTOFF PRACTICE**. These wires have been subjected to continued peening, causing fatigue type failures. A predetermined, regularly scheduled cutoff practice can help eliminate this type of problem.



Here's a **WIRE ROPE THAT HAS JUMPED SHEAVE**. The rope curled as it went over the edge of the sheave. When you study the wires, you'll see two types of breaks here: tensile "cup and cone" breaks and shear breaks that appear to have been cut on an angle.



A **BIRDCAGE** is caused by sudden release of tension and the resulting rebound of rope. These strands and wires will not be returned to their original positions. The rope should be replaced immediately.



This is **LOCALIZED WEAR** over an equalized sheave. The danger here is that it's invisible during the rope's operation, and that's why you need to inspect this portion of an operating rope regularly. The rope should be pulled off the sheave during inspection and bent to check for broken wires.



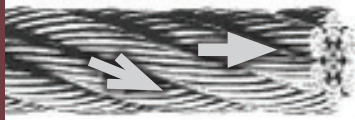
**DRUM CRUSHING** is caused by small drums, high loads and multiple winding conditions.



## LAY

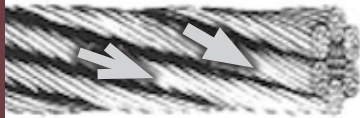
## DEFINITION

### Regular Lay



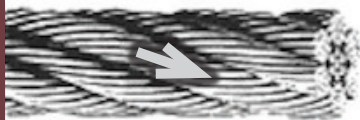
Most common lay in which the wires wind in one direction and the strands the opposite direction. (right lay shown)

### Lang Lay



Wires in strand and strands of rope wind the same direction. (right lay shown)

### Right Lay



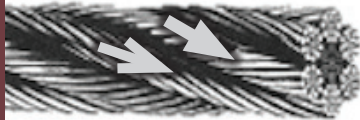
Strands wound to the left around the core. (regular lay shown)

### Left Lay

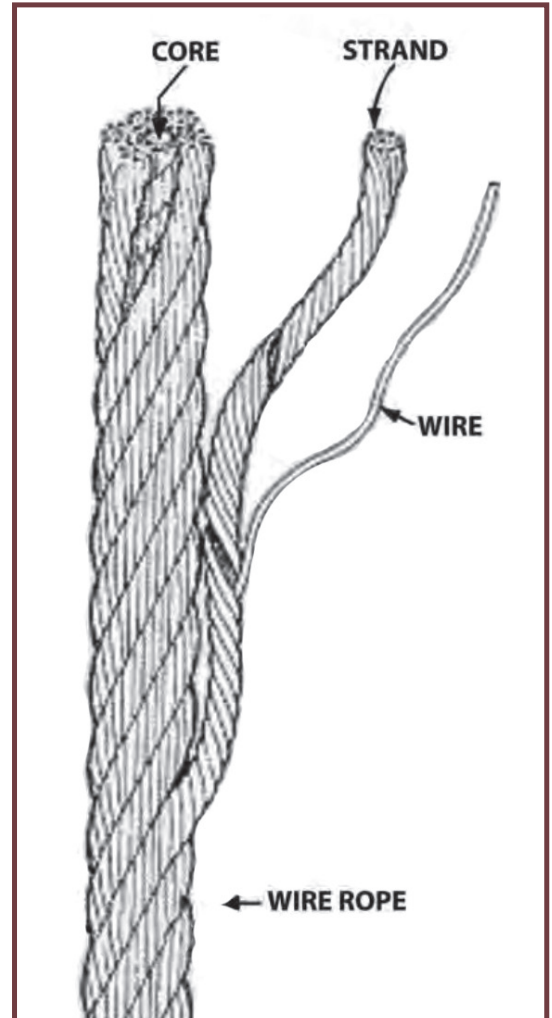


Strands wound to the left around the core. (regular lay shown)

### Alternate Lay



Alternate strands of right regular lay and right lang lay.



### KEY





**WELD SPATTER**



**GOUGED LINKS**



**WORN LINKS**



**STRETCHED CHAIN LINKS**



**HEAT**

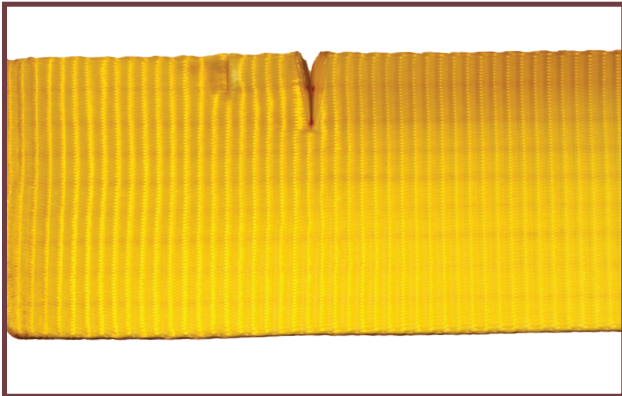


**BENT LINKS**

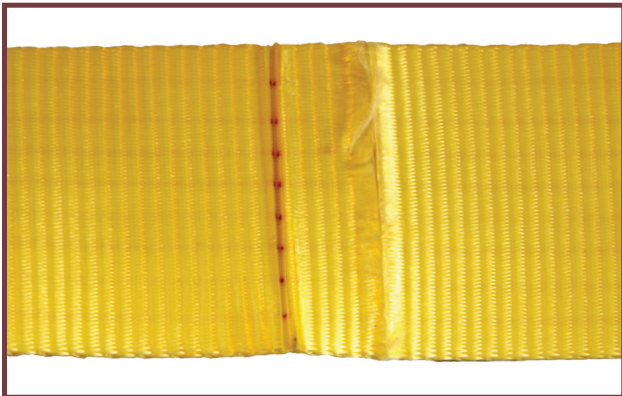




**SNAGS**



**CUT ON EDGE**



**SLICE ON FACE**



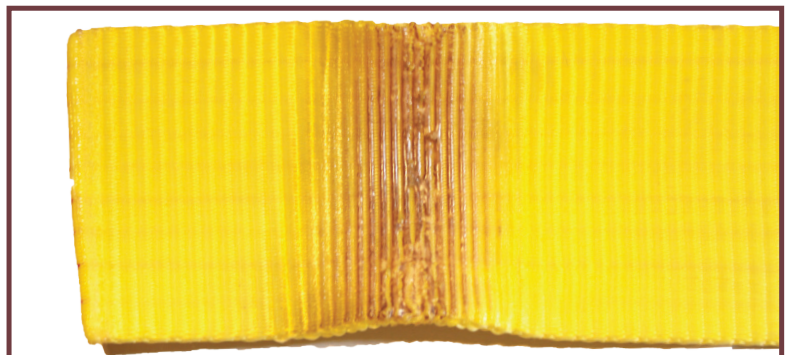
**EDGE BLOWOUT**



**TENSION BREAK  
LOOSE THREAD**

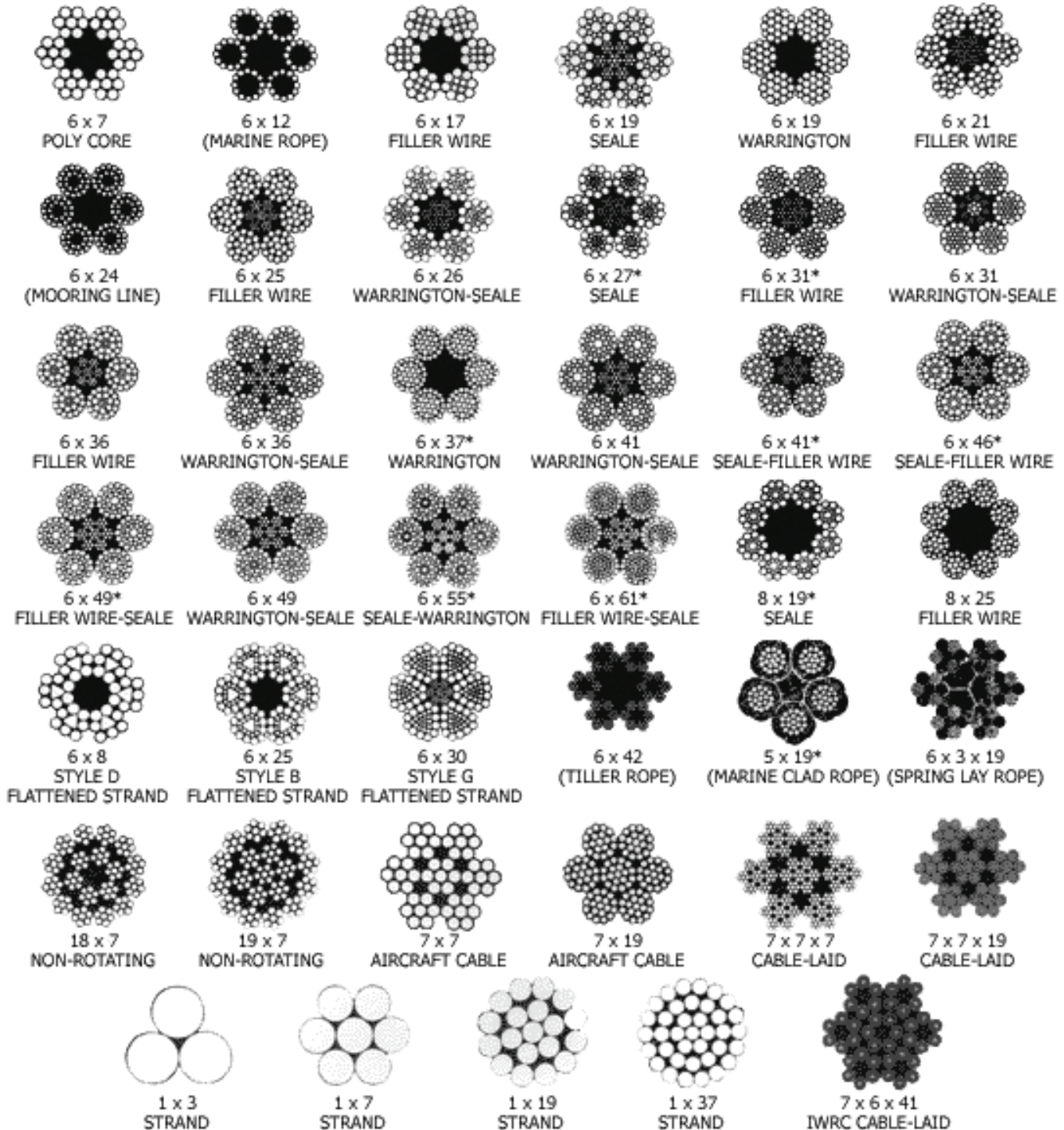


**ABRASIVE RUB**



**ACID/HEAT BURN**

## Wire Rope Cross Sections of the Past and Present



\* Not Readily Available Any Longer



FRACTIONAL EQUIVALENT	DECIMAL EQUIVALENT	METRIC EQUIVALENT (mm)
1/64	.0156	.397
1/32	.0312	.794
3/64	.0469	1.191
1/16	.0625	1.588
5/64	.0781	1.984
3/32	.0938	2.381
7/64	.1094	2.778
1/8	.1250	3.175

9/64	.1406	3.572
5/32	.1562	3.969
11/64	.1719	4.366
3/16	.1875	4.762
13/64	.2031	5.159
7/32	.2188	5.556
15/64	.2344	5.953
1/4	.2500	6.350

17/64	.2656	6.747
9/32	.2812	7.144
19/64	.2969	7.541
5/16	.3125	7.938
21/64	.3281	8.334
11/32	.3438	8.731
23/64	.3594	9.128
3/8	.3750	9.525

25/64	.3906	9.922
13/32	.4062	10.319
27/64	.4219	10.716
7/16	.4375	11.112
29/64	.4531	11.509
15/32	.4688	11.906
31/64	.4844	12.303
1/2	.5000	12.700

FRACTIONAL EQUIVALENT (in)	DECIMAL EQUIVALENT (in)	METRIC EQUIVALENT (mm)
33/64	.5156	13.097
17/32	.5312	13.494
35/64	.5469	13.891
9/16	.5625	14.288
37/64	.5781	14.684
19/32	.5938	15.081
39/64	.6094	15.478
5/8	.6250	15.875

41/64	.6406	16.272
21/32	.6562	16.669
43/64	.6719	17.065
11/16	.6875	17.462
45/64	.7031	17.859
23/32	.7188	18.256
47/64	.7344	18.653
3/4	.7500	19.050

49/64	.7656	19.447
25/32	.7812	19.844
51/64	.7969	20.241
13/16	.8125	20.638
53/64	.8281	21.034
27/32	.8438	21.461
55/64	.8594	21.828
7/8	.8750	22.225

57/64	.8906	22.622
29/32	.9062	23.016
59/64	.9219	23.416
15/16	.9375	23.812
61/64	.9531	24.209
31/32	.9688	24.606
63/64	.9844	25.003
1	1.000	25.400

### MASS CONVERSIONS

To convert from U.S. Tons to Metric Tons - Multiply by .907185  
 To convert from Metric Tons to U.S. Tons - Multiply by 1.10231  
 To convert from Metric Tons to Pounds - Multiply by 2,204.62  
 To convert from Metric Tons to Kilograms - Multiply by 1,000  
 To convert from Pounds to Kilograms - Multiply by .453592  
 To convert from Kilograms to Pounds - Multiply by 2.20462

### TEMPERATURE CONVERSIONS

To convert from Degree Fahrenheit to Degree Celsius Use  
 $T_c = 5/9(t_f - 32)$   
 To convert from Degree Celsius to Degree Fahrenheit Use  
 $TF = 8/5(T_c) + 32$

### CONSULT THE FOLLOWING SOURCES FOR IMPORTANT TECHNICAL LITERATURE AND/OR SAFETY MANUALS

American Iron & Steel Institute  
 1000 16th Street N.W.  
 Washington, DC 20036  
 Telephone: (202) 452-7100

American National Standards Institute  
 1430 Broadway  
 New York, NY 10018  
 Telephone: (212) 642-4900

American Petroleum Institute  
 Division of Production  
 300 Corrigan Tower Building  
 Dallas, TX 75201  
 Telephone: (214) 741-6791

The American Society of Mechanical Engineers  
 22 Law Drive  
 P.O. Box 2300  
 Fairfield, NJ 07007  
 Telephone: (201) 882-11167

American Society for Testing Material  
 1916 Race Street  
 Philadelphia, PA 19103  
 Telephone: (215) 299-5585

Construction Safety Association of Ontario  
 74 Victoria Street  
 Toronto, Ontario, Canada M5C2A  
 Telephone: (416) 366-1501

The Cordage Institute  
 314 Lincoln Street, Suite 568  
 Hingham, MA 02043  
 Telephone: (617) 749-1016

The Hand Tools Institute  
 25 N. Broadway  
 Tarrytown, NY 10591  
 Telephone: (914) 332-0040

National Safety Council  
 444 N. Michigan Avenue  
 Chicago, IL 60611  
 Telephone: (312) 527-4800

Occupational Safety & Health Administration  
 Department Of Labor  
 200 Constitution Avenue, N.W.  
 Washington, DC 20210  
 Telephone: (202) 523-9667

U.S. Government Printing Office  
 Superintendent of Documents  
 Washington, DC 20240  
 Telephone: (202) 783-3238

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**ADVANTAGE SALES & SUPPLY, INC**  
99 SERVIDEA DRIVE • P.O. BOX P  
RIDGWAY, PA 15853

**PHONE:** (814) 772-4766  
**FAX:** (814) 772-4767  
**TOLL FREE:** 1-800-216-2183

## CREDIT APPLICATION

COMPANY NAME	_____	ACCOUNTS PAYABLE CONTACT	_____
COMPANY ADDRESS	_____	ACCOUNTS PAYABLE PHONE	_____
	_____	ACCOUNTS PAYABLE E-MAIL	_____
CONTACT PERSON	_____	BILL TO ADDRESS	_____
COMPANY PHONE	_____		_____
COMPANY FAX	_____		_____
TAX ID. NO.	_____	AMOUNT OF CREDIT REQUESTING \$	_____

Is your company Tax Exempt in the State of Pennsylvania? \_\_\_\_\_  
If so, please provide Exemption Certificate with Credit Application.

## REFERENCES

COMPANY NAME	_____
PHONE	_____ FAX _____
CONTACT PERSON	_____

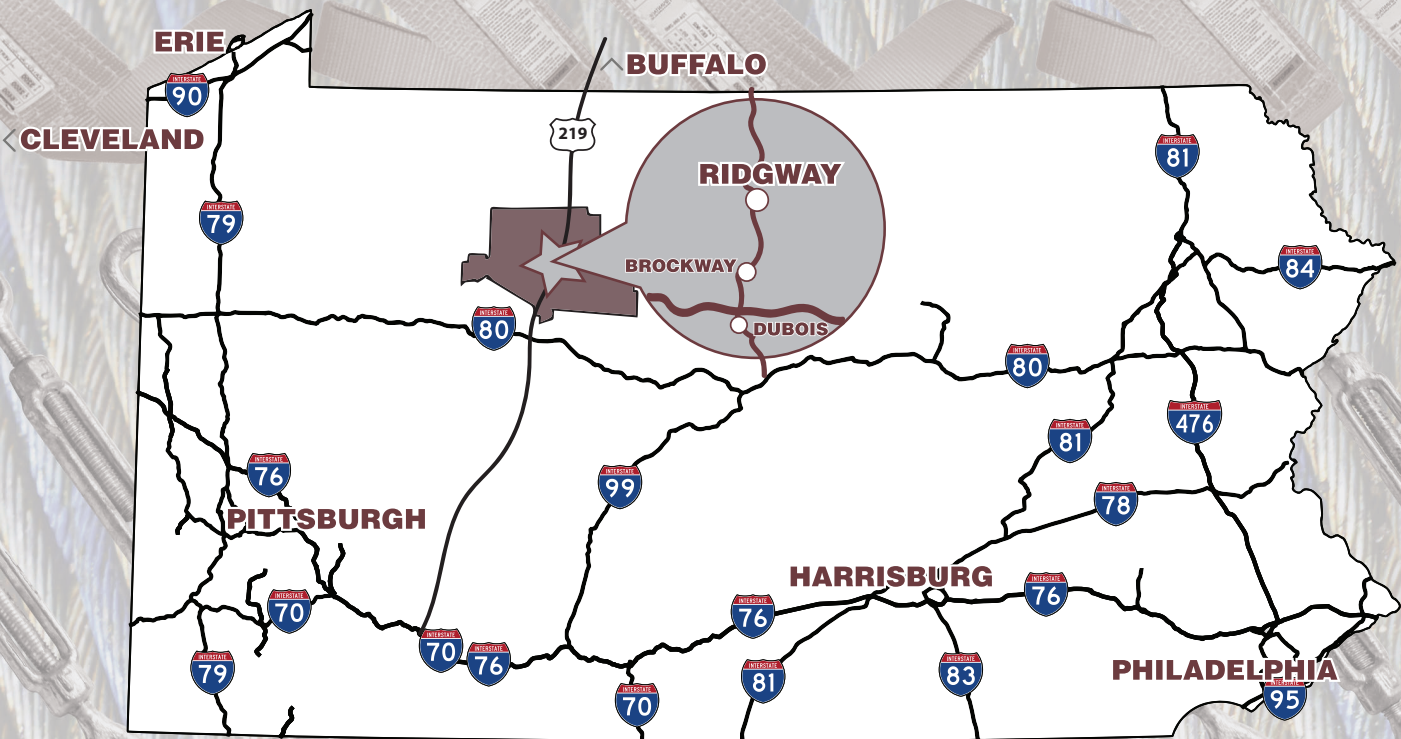
COMPANY NAME	_____
PHONE	_____ FAX _____
CONTACT PERSON	_____

COMPANY NAME	_____
PHONE	_____ FAX _____
CONTACT PERSON	_____

## BANK INFORMATION

BANK NAME	_____
ACCOUNT NUMBER	_____
PHONE	_____ FAX _____
CONTACT PERSON	_____





# **ADVANTAGE** SALES & SUPPLY CO., INC.

99 Servidea Drive  
Ridgway, PA 15853

**PHONE:** (814) 772-4766

**FAX:** (814) 772-4767

**TOLL FREE:** 800-216-2183

**2017**  
**\$10.00**