

ADVANTAGE

SALES & SUPPLY CO., INC.



CHAIN WIRE ROPE SYNTHETIC FITTINGS

ADVANTAGE

SALES & SUPPLY CO., INC.



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WEB SLING & TIE DOWN ASSOCIATION



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 sales representative 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.)
3/64"	GAC0477X7	7X7	3.6	270
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
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.

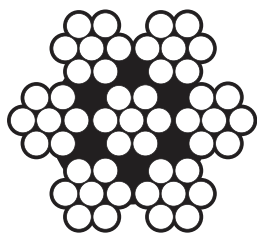
*Made in accordance with Federal Specification RR-W-410D

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

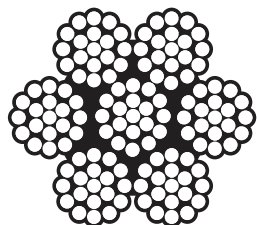
OTHER WIRE ROPE AVAILABLE UPON REQUEST

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

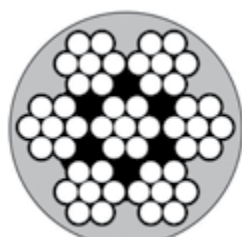
DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.



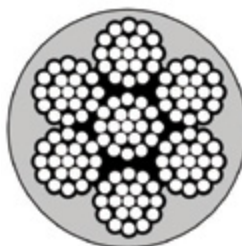
7X7



7X19



7X7



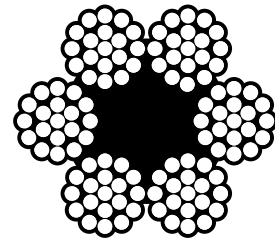
7X19

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

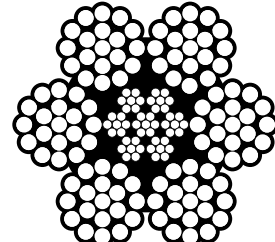
BRIGHT WIRE ROPE

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



6X19 IWRC



6X37 IWRC

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

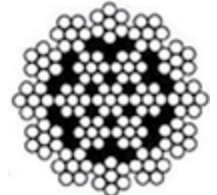
Available upon request: Galvanized Wire Rope 6 X 37 Class.

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

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



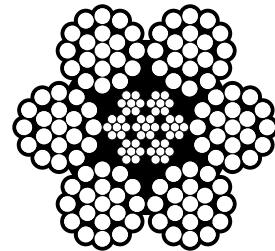
19X7 ROTATION RESISTANT

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

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



6X25 STAINLESS STEEL

STAINLESS STEEL WIRE ROPE

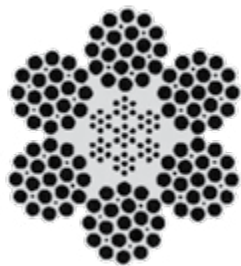
EIPS 6 X 25/36 CLASS

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"	SSWRC8756X36	1,420	66,500
1"	SSWRC1006X36	1,850	85,400

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.

DOMESTIC WIRE ROPE

6X19 & 6X36 CLASS



6X19 CLASS

SIZE	STOCK NUMBER 6X19	STOCK NUMBER 6X36	WEIGHT/1,000' (LBS.)	BREAKING STRENGTH (LBS.)
1/4"	DBIWRC250	DBIWRC2506X36	120	6,800
5/16"	DBIWRC312	DBIWRC3126X36	180	10,540
3/8"	DBIWRC375	DBIWRC3756X36	260	15,100
7/16"	DBIWRC437	DBIWRC4376X36	350	20,400
1/2"	DBIWRC500	DBIWRC5006X36	460	26,600
9/16"	DBIWRC562	DBIWRC5626X36	580	33,600
5/8"	DBIWRC625	DBIWRC6256X36	720	41,200
3/4"	DBIWRC750	DBIWRC7506X36	1,040	58,800
7/8"	DBIWRC875	DBIWRC8756X36	1,410	79,800
1"	DBIWRC100	DBIWRC1006X36	1,850	103,400
1 1/8"	DBIWRC1125	DBIWRC11256X36	2,340	130,000
1 1/4"	DBIWRC1250	DBIWRC12506X36	2,890	159,800
1 3/8"	DBIWRC1375	DBIWRC13756X36	3,590	192,000
1 1/2"	DBIWRC1500	DBIWRC15006X36	4,160	228,000

All available up to 2 3/4"

COMPACTED WIRE ROPE

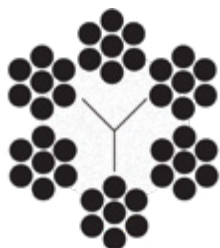
6-PAC



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

SAND LINES & SWABBING LINES 6X7

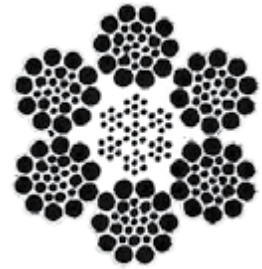


6X7

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 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

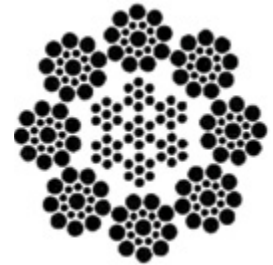


SWAGED TUBING
LINE

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

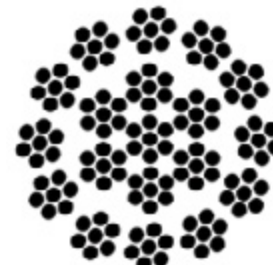


8X19

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

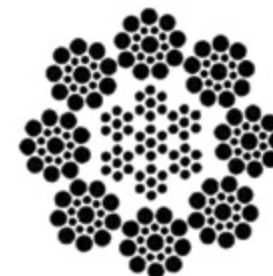


19X7

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

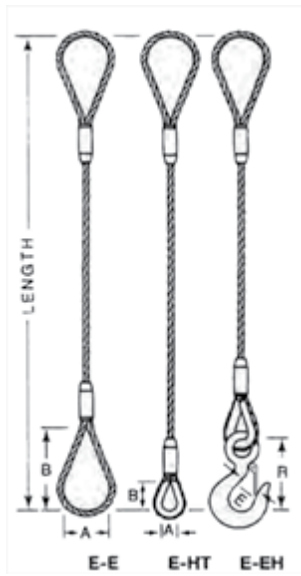


SUPER FLEX PAC 19

Also available: Super Flex Pac 35.

SINGLE LEG WIRE ROPE SLINGS

SINGLE



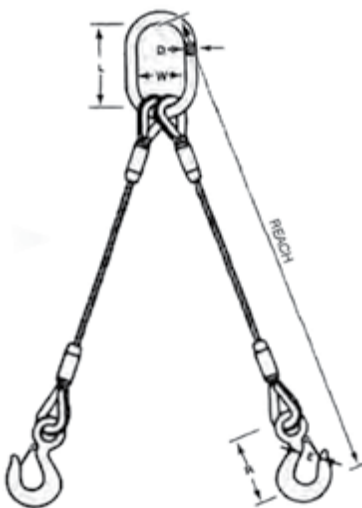
SINGLE SLING DIMENSIONS

ROPE DIA.	WORKING LOAD LIMIT - 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.	WORKING LOAD LIMIT - TONS* EIPS IWRC W/R 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.

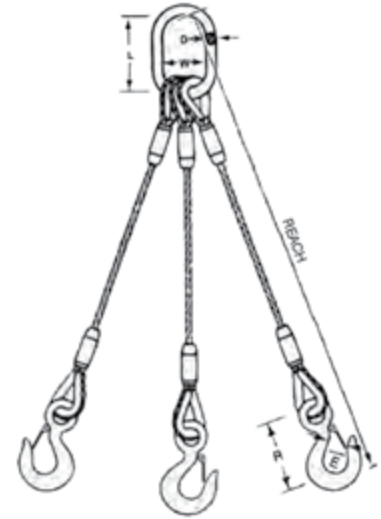
Please contact your Advantage sales representative for details.

THREE-LEG BRIDLE WIRE ROPE SLINGS

TRIPLE

ROPE DIA.	WORKING LOAD LIMIT - TONS* EIPS IWRC W/R			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"

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



TRIPLE SLING DIMENSIONS

FOUR-LEG BRIDLE WIRE ROPE SLINGS

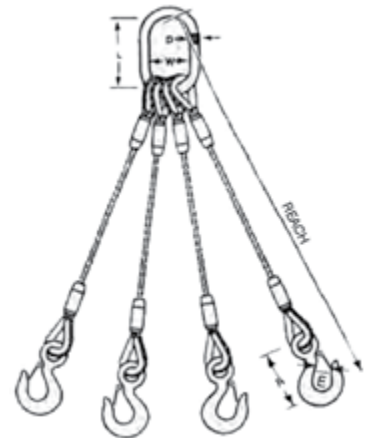
QUADRUPLE

ROPE DIA.	WORKING LOAD LIMIT - TONS* EIPS IWRC W/R			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 representative for details.

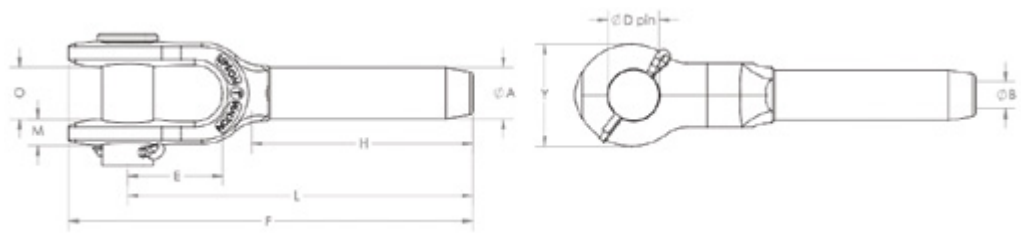


QUADRUPLE SLING DIMENSIONS

OPEN SWAGE SOCKETS

STOCK NUMBER	ROPE DIA.	DIMENSIONS (IN.)										WEIGHT (LBS.)	AFTER SWAGE DIMENSION (IN.)	
		A	B	D	E	F	H	L	M	O	Y		MIN.	MAX.
		40025002	1/4"	0.495	0.272	0.688	1 1/2	4 3/4	2 1/8	4	5/16		11/16	1 3/8
40031302	5/16"	0.770	0.339	0.812	1 3/4	6 1/4	3 3/16	5 5/16	13/32	13/16	1 5/8	1.25	0.678	0.710
40037502	3/8"	0.770	0.406	0.812	1 3/4	6 1/4	3 3/16	5 5/16	13/32	13/16	1 5/8	1.20	0.678	0.710
40043802	7/16"	0.982	0.484	1.000	2	7 13/16	4 1/4	6 11/16	1/2	1	2	2.45	0.865	0.910
40050002	1/2"	0.982	0.547	1.000	2	7 13/16	4 1/4	6 11/16	1/2	1	2	2.40	0.865	0.910
40056302	9/16"	1.257	0.609	1.190	2 1/4	9 9/16	5 5/16	8 1/8	5/8	1 1/4	2 1/2	4.80	1.115	1.160
40062502	5/8"	1.257	0.672	1.190	2 1/4	9 9/16	5 5/16	8 1/8	5/8	1 1/4	2 1/2	4.50	1.115	1.160
40075002	3/4"	1.545	0.796	1.380	2 3/4	11 11/16	6 3/8	10	3/4	1 1/2	3	7.80	1.365	1.420
40087502	7/8"	1.700	0.938	1.630	3 1/4	13 5/8	7 7/16	11 5/8	15/16	1 3/4	3 3/8	11.80	1.490	1.550
40100002	1"	1.975	1.062	2.000	3 1/4	15 5/8	8 1/2	13 3/8	1 1/32	2	4	17.80	1.740	1.800
40112502	1 1/8"	2.245	1.188	2.250	4 1/4	17 1/2	9 9/16	15	1 3/16	2 1/4	4 1/2	28.90	1.990	2.050
40125002	1 1/4"	2.525	1.328	2.500	4 3/4	19 7/16	10 5/8	16 1/2	1 3/16	2 1/2	5	36.20	2.240	2.300
40150002	1 1/2"	3.075	1.578	2.750	5 3/4	23 1/4	12 3/4	19 3/4	1 7/16	3	5 3/4	64.40	2.740	2.560

Also available in 304 Stainless Steel: 1/4" through 1 1/4" Open and Closed.



CLOSED SWAGE SOCKETS

STOCK NUMBER	ROPE DIA.	DIMENSIONS (IN.)								WEIGHT (LBS.)	AFTER SWAGE DIMENSION (IN.)	
		A	B	C	D	E	H	K	L		MIN.	MAX.
		41025002	1/4"	0.495	0.272	1 7/16	0.750	1/2	2 1/8		4 3/8	3 1/2
41031302	5/16"	0.770	0.339	1 11/16	0.875	11/16	3 3/16	5 1/2	4 1/2	0.77	0.678	0.710
41037502	3/8"	0.770	0.406	1 11/16	0.875	11/16	3 3/16	5 1/2	4 1/2	0.73	0.678	0.710
41043802	7/16"	0.982	0.484	2	1.063	7/8	4 1/4	6 15/16	5 3/4	1.47	0.865	0.910
41050002	1/2"	0.982	0.547	2	1.063	7/8	4 1/4	6 15/16	5 3/4	1.38	0.865	0.910
41056302	9/16"	1.257	0.609	2 1/2	1.250	1 1/8	5 5/16	8 3/4	7 1/4	2.90	1.115	1.160
41062502	5/8"	1.257	0.672	2 1/2	1.250	1 1/8	5 5/16	8 3/4	7 1/4	2.80	1.115	1.160
41075002	3/4"	1.545	0.796	3	1.438	1 5/16	6 3/8	10 3/8	8 5/8	5.16	1.365	1.420
41087502	7/8"	1.700	0.938	3 1/2	1.688	1 1/2	7 7/16	12 1/8	10 1/8	7.40	1.490	1.550
41100002	1"	1.975	1.062	4	2.063	1 3/4	8 1/2	13 3/4	11 1/2	11.20	1.740	1.800
41112502	1 1/8"	2.245	1.188	4 1/2	2.313	2	9 9/16	15 1/4	12 3/4	16.00	1.990	2.050
41125002	1 1/4"	2.525	1.328	5	2.563	2 1/4	10 5/8	17 1/4	14 3/8	22.70	2.240	2.300
41150002	1 1/2"	3.075	1.578	5 1/2	2.813	2 1/2	12 3/4	20 3/8	17	37.50	2.740	2.810

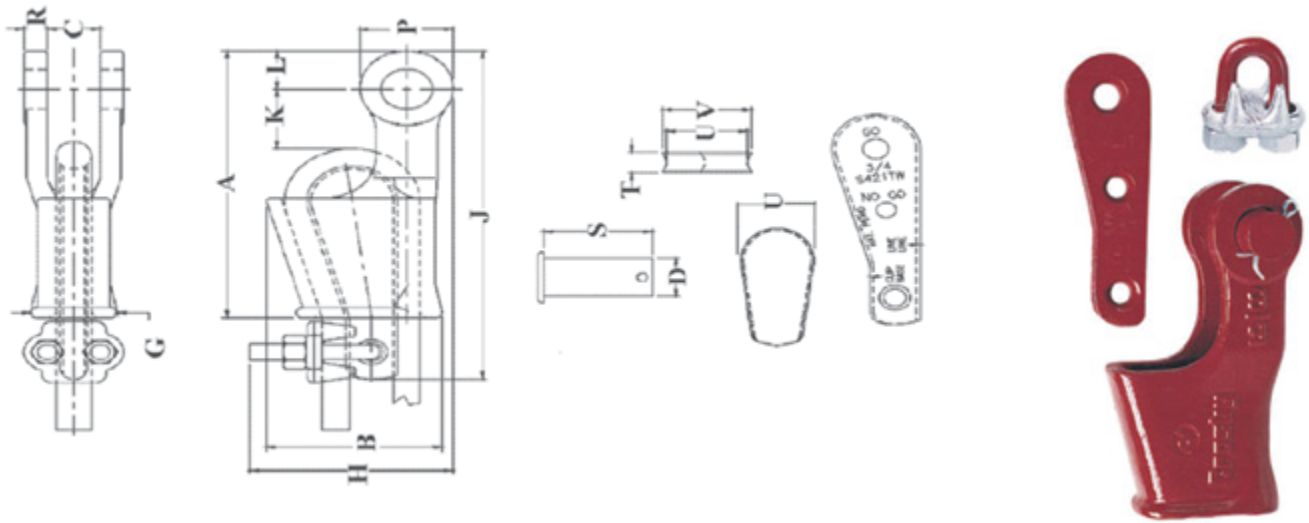


DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

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.)														
(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

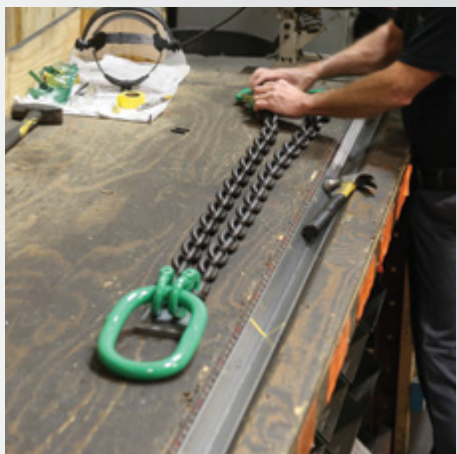
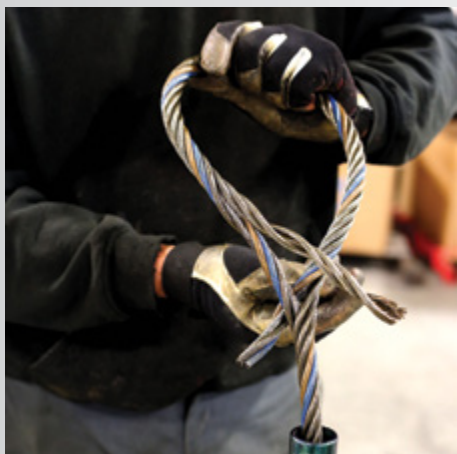
*Nominal

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.

Did you know?

ADVANTAGE Does... IN-HOUSE FABRICATION





THIMBLED EYE



GAC WINCH



FIXED EYE HOIST HOOK



SWIVEL EYE HOIST HOOK



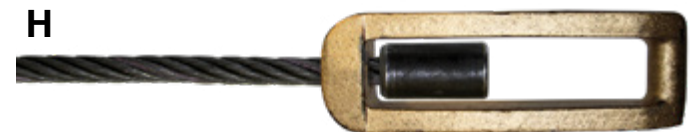
FIXED EYE SELF LOCKING



SWIVEL SELF LOCKING
WITH BALL BEARING OR BRONZE BUSHING



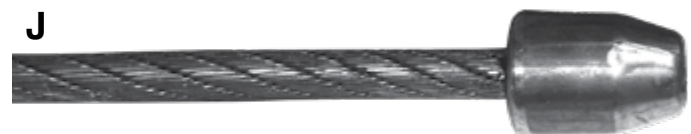
BUTTON



CONTAINER/ROLL OFF



TAIL CHAIN



SWAGED LOGGING



GROMMETS

VERTICAL, CHOKER, OR BASKET HITCHES

GROMMET BODY DIAMETER	RATED CAPACITY IN TONS OF 2,000 LBS.†					
	VERTICAL	CHOKER	VERTICAL	60°	45°	30°
COMPONENT ROPE 6X36 BRIGHT IWRC EIPS RRL						
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.

WIRE ROPE SLING TERMINATION TYPES



ONE PIECE TURNBACK



TWO PIECE TURNBACK



FLEMISHED EYE

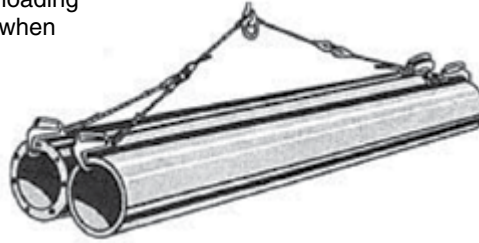


HAND SPLICED



DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

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

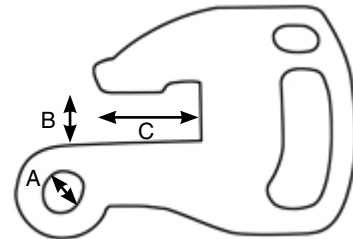
PIPE HOOK

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 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

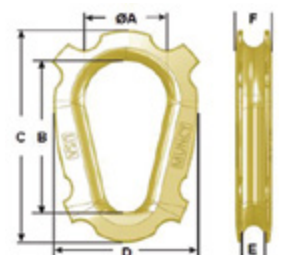
SLIP-THRU THIMBLE

SINGLE PART ROPE SIZE	PART NUMBER	A	B	C	D	E	F	G	WEIGHT/PIECE (LBS.)
5/16"-3/8"	ST-10	2 1/8"	4 1/8"	7/16"	13/16"	9/16"	3 1/4"	5 1/4"	1.3
1/2"-9/16"	ST-16	2 3/8"	4 3/8"	5/8"	1"	5/8"	4"	6"	1.5
5/8"-3/4"	ST-20	3 3/8"	6 5/8"	13/16"	1 5/16"	5/8"	5 3/8"	8 1/2"	3.4
7/8"-1"	ST-24	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"	ST-36	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"	ST-44	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

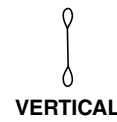




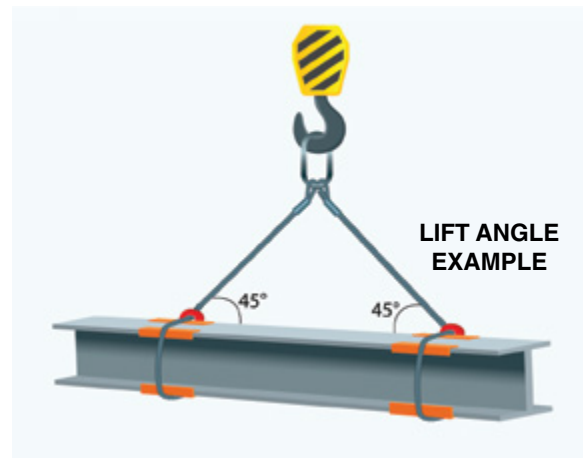
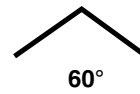
3 PART ROUND BRAID

DIAMETER OF INDIVIDUAL PARTS	ONE SLING 3 PARTS EIP	
	VERTICAL RATED LOAD (TONS)	FINISHED DIAMETER
1/4"	1.7	1/2"
5/16"	2.6	5/8"
3/8"	3.6	3/4"
7/16"	4.9	7/8"
1/2"	6.4	1"
9/16"	8	1 1/8"
5/8"	9.9	1 1/4"
3/4"	14	1 1/2"
7/8"	19	1 3/4"
1"	24.8	2"
1 1/8"	31.2	2 1/4"
1 1/4"	38.4	2 1/2"
1 3/8"	46	2 3/4"
1 1/2"	55	3"
1 5/8"	63.4	3 1/4"
1 3/4"	73	3 1/2"
2"	95	4"
2 1/4"	118	2 1/2"
2 1/2"	145	5"

HITCH



LIFT ANGLE



One Sling is a complete sling with 3 parts for flexibility.

6 PART ROUND BRAID

ROPE DIA.	SLING BODY DIAMETER			VERTICAL RATED CAPACITY (TONS)*						STANDARD EYE DIMENSION		THIMBLE	
	MIN. SLING LENGTH STANDARD EYE	BODY WIDTH	BODY THICKNESS	VERTICAL	CHOKER	BASKET**				WIDTH	LENGTH	SLIP THRU (IN.)	HEAVY DUTY (IN.)
						BASKET	60°	45°	30°				
3/32"	2' 0"	7/16"	1/4"	.42	.37	.84	.73	.59	.42	2"	4"	W-2	1/4"
1/8"	2' 0"	9/16"	3/8"	.84	.74	1.7	1.5	1.2	.84	3"	6"	W-2	5/16
3/16"	3' 0"	13/16"	1/2"	1.6	1.4	3.2	2.8	2.3	1.6	4"	8"	W-3	1/2"
1/4"	3' 6"	1 1/8"	11/16"	2.9	2.5	5.7	4.9	4	2.9	5"	10"	W-4	5/8"
5/16"	4' 6"	1 3/8"	7/8"	4.4	3.9	8.9	7.7	6.3	4.4	6"	12"	W-4	3/4"
3/8"	5' 0"	1 11/16"	1"	6.3	5.5	13	11	9	6.3	7"	14"	W-5	7/8"
7/16"	6' 0"	2"	1 3/16"	8.6	7.5	17	15	12	8.6	8"	16"	W-5	1"
1/2"	6' 6"	2 1/4"	1 5/16"	11	9.8	22	19	16	11	9"	18"	W-6	1 1/8"
9/16"	7' 0"	2 1/2"	1 1/2"	14	12	28	24	20	14	10"	20"	W-6	1 3/8"
5/8"	8' 0"	2 13/16"	1 11/16"	17	15	35	30	24	17	11"	22"	W-7	1 1/2"
3/4"	9' 0"	3 3/8"	2"	25	22	49	43	35	25	12"	24"	W-8	1 5/8"
7/8"	10' 0"	4"	2 5/16"	33	29	67	58	47	33	14"	28"	W-9	2"
1"	11' 0"	4 1/2"	2 11/16"	43	38	87	75	61	43	16"	32"	W-10	-

Sling capacities for rope diameters 1/8" through 5/16" are based on 7X19 GAC.

*Rated capacities basket hitch based on D/d ratio of 25 times the component rope diameter. Rated capacities based on pin diameter no larger than the natural eye width or no less than the nominal sling diameter. Rated capacities based on design factor of 5.

** See Choker Hitch Rated Capacity Adjustment

Do not use with sling angles less than 30° degrees.

7 PART ROUND BRAID

ROPE DIAMETER	SLING BODY DIAMETER	VERTICAL RATED CAPACITY (TONS)						STANDARD EYE DIMENSION	
		VERTICAL	CHOKER	BASKET				WIDTH	LENGTH
				BASKET	60°	45°	30°		
* 1/8"	3/8"	1.2	1	2.4	2	1.6	1.2	3"	6"
* 3/16"	9/16"	2.4	2.1	4.8	4.2	3.4	2.4	4"	8"
* 1/4"	3/4"	4	3.5	8	6.9	5.7	4	5"	10"
* 5/16"	1"	5.6	4.9	11.2	9.7	8	5.6	6"	12"
3/8"	1 1/8"	8.7	7.6	17.4	15	12.3	8.7	7 1/2"	15"
7/16"	1 5/16"	11.7	10.3	23.4	20.3	16.5	11.7	9"	18"
1/2"	1 1/2"	15.3	13.4	30.6	26.5	21.6	15.3	10"	20"
9/16"	1 3/4"	19.3	16.9	38.6	33.4	27.3	19.3	12"	24"
5/8"	1 7/8"	23.7	20.7	47.4	41	33.5	23.7	12"	24"
3/4"	2 1/4"	33.8	29.5	67.5	58.5	47.7	33.8	15"	30"
7/8"	2 5/8"	45.7	40	91.4	79.2	64.6	45.7	17"	34"
1"	3"	59.4	52	118.7	102.8	81.9	59.4	20"	40"
1 1/8"	3 3/8"	75	65	149	129	105	75	22"	44"
1 1/4"	3 3/4"	92	80	184	159	130	92	25"	50"
1 3/8"	4 1/8"	110	96	220	190	156	110	27"	54"
1 1/2"	4 1/2"	131	115	262	227	185	131	30"	60"
1 3/4"	5 1/4"	176	154	351	304	248	176	35"	70"
2"	6"	227	199	455	394	321	227	40"	80"
2 1/4"	6 3/4"	284	248	567	491	401	284	45"	90"
2 1/2"	7 1/2"	347	303	693	600	490	347	50"	100"
2 3/4"	8 1/4"	414	363	828	717	585	414	55"	110"

8 PART BRAID

ROPE DIA.	MIN. SLING LENGTH STANDARD EYE	SLING DIA.	VERTICAL RATED CAPACITY (TONS)*						STANDARD EYE DIMENSION		THIMBLE	
			VERTICAL	CHOKER	BASKET**				WIDTH	LENGTH	SLIP THRU (IN.)	HEAVY DUTY (IN.)
					BASKET	60°	45°	30°				
3/32"	2' 0"	7/16"	.56	.49	1.1	.97	.79	.56	2"	4"	W-2	5/16"
1/8"	2' 0"	9/16"	1.1	1	2.2	1.9	1.6	1.1	3"	6"	W-2	3/8"
3/16"	3' 0"	13/16"	2.2	1.9	4.3	3.7	3	2.2	4"	8"	W-3	1/2"
1/4"	3' 6"	1 1/8"	3.8	3.3	7.6	6.6	5.4	3.8	5"	10"	W-4	3/4"
5/16"	4' 6"	1 3/8"	5.9	5.2	12	10	8.3	5.9	6"	12"	W-5	1"
3/8"	5' 0"	1 11/16"	8.5	7.4	17	15	12	8.5	7"	14"	W-5	1 1/8"
7/16"	6' 0"	2"	11	10	23	20	16	11	8"	16"	W-6	1 1/4"
1/2"	6' 6"	2 1/4"	15	13	30	26	21	15	9"	18"	W-7	1 3/8"
9/16"	7' 0"	2 1/2"	19	16	38	33	27	19	10"	20"	W-7	1 1/2"
5/8"	8' 0"	2 13/16"	23	20	46	40	33	23	11"	22"	W-8	1 3/4"
3/4"	9' 0"	3 3/8"	33	29	66	57	47	33	12"	24"	W-9	2"
7/8"	10' 0"	4"	45	39	89	77	63	45	14"	28"	W-10	-
1"	11' 0"	4 1/2"	58	51	116	100	82	58	16"	32"	W-10	-

Sling capacities for rope diameters 1/8" through 5/16" are based on 7X19 GAC.

*Rated capacities basket hitch based on D/d ratio of 25 times the component rope diameter. Rated capacities based on pin diameter no larger than the natural eye width or no less than the nominal sling diameter. Rated capacities based on design factor of 5.

** See Choker Hitch Rated Capacity Adjustment.

MALLEABLE & DROP-FORGED WIRE ROPE CLIPS



MALLEABLE



DROP-FORGED

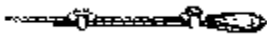
SIZE	MALLEABLE, ZINC PLATED					DROP-FORGED, HOT GALVANIZED				
	STOCK NUMBER	WEIGHT/ 100 PCS. (LBS.)	MIN. CLIPS REQ'D	TORQUE IN LBS. FT.*	TURN BACK LENGTH	STOCK NUMBER	WEIGHT/ 100 PCS. (LBS.)	MIN. CLIPS REQ'D	TORQUE IN LBS. FT.*	TURN BACK LENGTH
1/16"	MWRC062	3	3	2	3"	-	-	-	-	-
1/8"	MWRC125	4	3	3	4 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"

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.



***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.

All parts are Hot Dip Galvanized. The U Bolt is Hot Dip Galvanized, then Powder Coated.



STAINLESS STEEL



DOUBLE GRIP

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 ZINC PLATED		HEAVY DUTY HOT DIP GALVANIZED	
	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 & HEAVY DUTY TYPE 316

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 (HOUR GLASS SHAPE)		COPPER (HOUR GLASS SHAPE)	
	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.

SLEEVES - SWAGE FITTINGS

ZINC PLATED COPPER & STAINLESS STEEL

CABLE SIZE	ZINC PLATED COPPER (HOUR GLASS SHAPE)		STAINLESS STEEL (OVAL SHAPE)	
	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.

Note: Stainless steel needs hydraulics.

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 SLEEVES



PLAIN COPPER SLEEVES



ZINC PLATED COPPER SLEEVES



STAINLESS STEEL



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.)
HSC350	1/6", 3/32", 1/8"	3	Two Hand	14"	5.5
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.



HSC-600



SWAGE 250-312



SWAGE 375



HSC-600 BENCH

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

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



BOLT CUTTERS

TURNBUCKLES

HOT GALVANIZED - DROP FORGED

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.



EYE & EYE



EYE & HOOK



HOOK & HOOK



EYE & JAW



JAW & JAW

TURNBUCKLES - STUB END

SELF COLORED

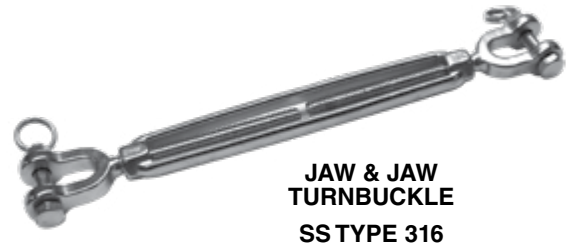
SIZE	OVERALL CLOSED LENGTH	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8" X 6"	16"	.75	1,200
1/2" X 6"	16"	1.25	2,200
5/8" X 6"	16"	2.11	3,500
3/4" X 6"	17"	3.25	5,200
7/8" X 6"	18"	4.78	7,200
1" X 6"	19"	6.36	10,000
1 1/4" X 6"	20"	10.4	15,200
1 1/2" X 6"	20.5"	15.4	21,400



STAINLESS STEEL 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



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)

Did you know?

ADVANTAGE Does...

EYE BOLTS & EYE NUTS



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STAINLESS STEEL FORGED SHOULDER EYE BOLT WITH NUT AND WASHER
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FORGED PLAIN EYE BOLT WITH NUT
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SHOULDER PATTERN LAG SCREW EYE BOLT
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LIFTING EYE NUT
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LIFTING EYE BOLT
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SHOULDER PATTERN MACHINERY EYE BOLT
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STAINLESS STEEL EYE BOLT SHOULDERS FULL THREAD
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EYE BOLTS - HOT GALVANIZED, DROP FORGED

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	-



FORGED PLAIN EYE BOLT WITH NUT



FORGED SHOULDER EYE BOLT WITH NUT

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 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



EYE NUT



FORGED SHOULDER PATTERN LAG SCREW EYE BOLTS

GALVANIZED

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

Not rated for overhead lifting.

**SHOULDER PATTERN
LAG SCREW EYE
BOLT**



FORGED MACHINERY EYE BOLTS - SHOULDER PATTERN

SELF COLORED

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1/4" X 1"	MEB250X100S	650	0.05
5/16" X 1 1/8"	MEB312X1125S	1,200	0.08
3/8" X 3/4"	MEB375X750S	1,550	0.15
3/8" X 1 1/4"	MEB375X1250S	1,550	0.15
1/2" X 1 1/2"	MEB500X1500S	2,600	0.35
5/8" X 1 3/4"	MEB625X1750S	5,200	0.65
3/4" X 2"	MEB750X200S	7,200	1.00
7/8" X 2 1/4"	MEB875X2250S	10,600	1.53
1" X 2 1/2"	MEB100X2500S	13,300	2.30
1 1/4" X 3"	MEB1250X300S	21,000	3.80
1 1/2" X 3 1/2"	MEB1500X3500S	24,000	7.00

**SHOULDER 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.



**SWIVEL HOIST RING
MACHINED**



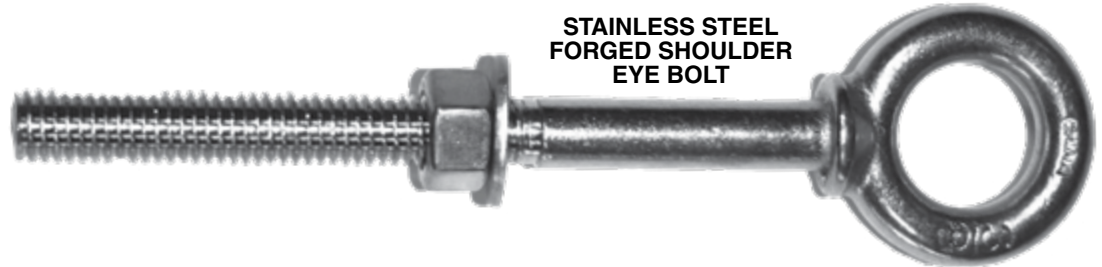
**SWIVEL HOIST RING
FORGED**

Call with requirements for availability.

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



STAINLESS STEEL FORGED SHOULDER EYE BOLT

STAINLESS STEEL LIFTING EYE BOLTS - UNC THREAD

TYPE 316

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



STAINLESS STEEL WELDED EYE BOLT



STAINLESS STEEL FABRICATED SHOULDER EYE BOLT

STAINLESS STEEL LIFTING EYE NUTS - UNC THREAD

TYPE 316

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



STAINLESS STEEL LIFTING EYE BOLT



STAINLESS STEEL LIFTING EYE NUT



MANILA

MANILA ROPE

3 STRAND, TWISTED MANILA ROPE

ROPE SIZE DIAMETER	STOCK NUMBER	COIL LENGTH	COLOR	WORKING LOAD LIMIT (LBS.)	MINIMUM BREAKING STRENGTH (LBS.)
1/4"	MAN250X1250	1250'	Natural	108	540
1/4"	MAN250X600	600'	Natural	108	540
5/16"	MAN312X600	600'	Natural	180	900
3/8"	MAN375X600	600'	Natural	243	1,215
1/2"	MAN500X600	600'	Natural	477	2,385
5/8"	MAN625X600	600'	Natural	792	3,960
3/4"	MAN750X600	600'	Natural	972	4,860
7/8"	MAN875X600	600'	Natural	1,386	6,930
1"	MAN100X600	600'	Natural	1,620	8,100



POLYPROPYLENE

POLYPROPYLENE ROPE

3 STRAND, TWISTED YELLOW ROPE

ROPE SIZE DIAMETER	STOCK NUMBER	REEL LENGTH	COLOR	WORKING LOAD LIMIT (lbs.)	MINIMUM BREAKING STRENGTH (lbs.)
3/16"	POLY187X1200	1200'	Yellow	144	720
1/4"	POLY250X1200	1200'	Yellow	226	1,130
1/4"	POLY250X600	600'	Yellow	226	1,130
5/16"	POLY312X600	600'	Yellow	342	1,710
3/8"	POLY375X600	600'	Yellow	486	2,430
1/2"	POLY500X600	600'	Yellow	756	3,780
5/8"	POLY625X600	600'	Yellow	1,116	5,580
3/4"	POLY750X600	600'	Yellow	1,530	7,650
7/8"	POLY875X600	600'	Yellow	2,080	10,400
1"	POLY100X600	600'	Yellow	2,565	12,825



NYLON

NYLON ROPE

3 STRAND, TWISTED WHITE ROPE

ROPE SIZE DIAMETER	STOCK NUMBER	REEL LENGTH	COLOR	WORKING LOAD LIMIT (lbs.)	MINIMUM BREAKING STRENGTH (lbs.)
3/16"	NYLON187X600	600'	White	200	1,000
1/4"	NYLON250X600	600'	White	330	1,650
5/16"	NYLON312X600	600'	White	510	2,550
3/8"	NYLON375X600	600'	White	740	3,700
1/2"	NYLON500X600	600'	White	1,280	6,400
5/8"	NYLON625X600	600'	White	2,080	10,400
3/4"	NYLON750X600	600'	White	2,840	14,200
7/8"	NYLON875X600	600'	White	4,000	20,000
1"	NYLON100X600	600'	White	5,000	25,000



POLYDAC

POLYDAC

3 STRAND, TWISTED ROPE

ROPE SIZE DIAMETER	STOCK NUMBER	REEL LENGTH	COLOR	WORKING LOAD LIMIT (lbs.)	MINIMUM BREAKING STRENGTH (lbs.)
1/4"	POLYDAC250X600	600'	White with color strand	300	1,500
5/16"	POLYDAC312X600	600'	White with color strand	420	2,100
3/8"	POLYDAC375X600	600'	White with color strand	540	2,700
1/2"	POLYDAC500X600	600'	White with color strand	880	4,400
5/8"	POLYDAC625X600	600'	White with color strand	1,220	6,100
3/4"	POLYDAC750X600	600'	White with color strand	1,680	8,400
7/8"	POLYDAC875X600	600'	White with color strand	2,220	11,100
1"	POLYDAC100X600	600'	White with color strand	2,635	13,175

UHMWPE 12-STRAND ROPE



ROPE SIZE DIAMETER	STOCK NUMBER	DESCRIPTION	REEL LENGTH	COLOR	WORKING LOAD LIMIT (lbs.)	MINIMUM BREAKING STRENGTH (lbs.)
1/4"	UHM250	UHMWPE 12 Strand Rope	600'	Purple	1,600	8,000
3/8"	UHM375	UHMWPE 12 Strand Rope	600'	Purple	3,500	17,500
1/2"	UHM500	UHMWPE 12 Strand Rope	600'	Purple	6,200	31,000
5/8"	UHM625	UHMWPE 12 Strand Rope	600'	Purple	10,200	51,000
3/4"	UHM750	UHMWPE 12 Strand Rope	600'	Purple	13,700	68,500
7/8"	UHM875	UHMWPE 12 Strand Rope	600'	Purple	18,500	92,500
1"	UHM100	UHMWPE 12 Strand Rope	600'	Purple	22,000	110,000
1-1/8"	UHM1125	UHMWPE 12 Strand Rope	600'	Purple	29,400	147,000
1-1/4"	UHM1250	UHMWPE 12 Strand Rope	600'	Purple	33,000	165,000
1-1/2"	UHM1500	UHMWPE 12 Strand Rope	600'	Purple	44,200	221,000
1-3/4"	UHM1750	UHMWPE 12 Strand Rope	600'	Purple	62,000	310,000
2"	UHM200	UHMWPE 12 Strand Rope	600'	Purple	71,000	355,000

APPLICATIONS

- Electric
- Vessel mooring
- Towing and tug line
- Hoisting and lifting

FEATURES

- High performance & light weight
- Low kinetic energy for safety
- No water absorption
- Good UV resistance
- Great abrasion resistance
- Melting point: 150C



UHMWPE SLING CAPACITIES

ROPE SIZE DIAMETER	WORKING LOAD LIMIT (lbs.)		
	VERTICAL	CHOKER	BASKET
1/4"	1,600	1,200	3,200
3/8"	3,500	2,800	7,000
1/2"	6,200	5,000	12,400
5/8"	10,200	8,200	20,400
3/4"	13,700	10,900	27,400
7/8"	18,500	14,800	37,000
1"	22,000	17,600	44,000
1-1/8"	29,400	23,500	58,800
1-1/4"	33,000	26,400	66,000
1-1/2"	44,200	35,300	88,400
1-3/4"	62,000	50,000	124,000
2"	71,000	56,000	142,000

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



TAGLINE

TAGLINE - Call with diameter and length requirements.

Did you know?

ADVANTAGE Does...

BLOCKS



GIN BLOCK
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GALVANIZED YARDING BLOCK
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SNATCH BLOCK WITH HOOK OR SHACKLE
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TAIL BOARD BLOCK
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LIGHT DUTY RIGGING BLOCK
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HAY FORK PULLEY
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STAINLESS STEEL #210 SWIVEL BLOCK
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STAINLESS STEEL #211 SNATCH BLOCK
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STAINLESS STEEL #212 OPEN SEINE BLOCK
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STAINLESS STEEL #313 SQUARE SWIVEL BLOCK
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STAINLESS STEEL #314 ROUND SWIVEL BLOCK
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STAINLESS STEEL #315 ROUND SWIVEL BLOCK
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DO NOT EXCEED WORKING LOAD LIMIT. REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

GIN BLOCK

FOR MANILA ROPE - PAINTED, BRONZE BUSHING

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.



GIN BLOCK

GALVANIZED YARDING BLOCK

WITH SHACKLE & PIN (GREASE FITTING)

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



GALVANIZED YARDING BLOCK

SNATCH BLOCK WITH HOOK OR 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 SHACKLE OR HOOK

TAIL BOARD BLOCK

FOR WIRE ROPE - PAINTED, BRONZE BUSHING

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
8"	BLOCK8T20TAIL	1" - 1 1/8"	20	46
10"	BLOCK8T10TAIL	3/4"	8	29



TAIL BOARD BLOCK

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



HAY FORK PULLEY

MR - Manila Rope WR - Wire Rope

Did you know?

ADVANTAGE

X100



GRADE 100 LIFTING CHAIN
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GRADE 80 LIFTING CHAIN
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GRADE 70 TRANSPORT CHAIN
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BLACK POWDER COATED CHAIN
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YELLOW POWDER COATED CHAIN
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SQUARE LINK SECURITY CHAIN
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TWIST LINK MACHINE
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PASSING LINK
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SASH CHAIN
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STAINLESS STEEL DOUBLE LOOP CHAIN
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STAINLESS STEEL SASH CHAIN
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CUSTOM LENGTHS AVAILABLE

Does...

CHAIN



GRADE 43 HIGH TEST CHAIN
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GRADE 30 PROOF COIL CHAIN
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STAINLESS STEEL HIGH TEST CHAIN
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DOUBLE LOOP CHAIN
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SINGLE JACK CHAIN
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STRAIGHT LINK COIL
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STAINLESS STEEL SINGLE JACK CHAIN
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WELDED BRASS CHAIN
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WELDED ALUMINUM CHAIN
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IN-HOUSE CHAIN FABRICATION



X100[®] GRADE 100 CHAIN & CHAIN SLINGS


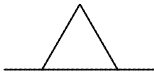
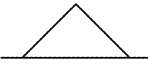
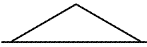


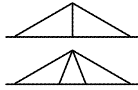
X100 GRADE 100 CHAIN



- Every Link has been Proof Tested to 2 Times the Working Load
- All X100 Grade 100 Chain is made from 8620 Alloy
- X100 Chain is approved by OSHA for Cargo Control and overhead lifting
- **BLUE CAT** Blue Cataphoresis finish
- Grade 100 Chain Sling Assemblies are compliant with ASME B30.9

STOCK NUMBER	SIZE	MATERIAL DIAMETER	INSIDE WIDTH	INSIDE LENGTH	WORKING LOAD LIMIT (LBS.)	FEET/DRUM	WEIGHT/FOOT (LBS.)
X100 281	9/32"	0.283"	.420"	0.85"	4,300	800'	.74
X100 312	5/16"	0.315"	.500"	1.04"	5,700	550'	.94
X100 375	3/8"	0.394"	.575"	1.26"	8,800	400'	1.48
X100 500	1/2"	0.512"	.768"	1.64"	15,000	200'	2.55
X100 625	5/8"	0.630"	.930"	2.00"	22,600	150'	3.83
X100 750	3/4"	0.750"	1.15"	2.50"	35,300	100'	6.21

X100 GRADE 100 CHAIN SLINGS

CHAIN SIZE	SINGLE-LEG AT 90° ANGLE	DOUBLE-LEG AT 60° ANGLE	DOUBLE-LEG AT 45° ANGLE	DOUBLE-LEG 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"

Capacities above are rated in pounds (lbs.).

1ST LETTER INDICATES:

- S = Single-Leg
- D = Double-Leg
- T = Triple-Leg
- Q = Quadruple-Leg

2ND LETTER INDICATES:

- O = Oblong Link
- S = Sling Hook
- G = Grab Hook
- F = Foundry Hook

3RD LETTER INDICATES:

- O = Oblong Link
- S = Sling Hook
- G = Grab Hook
- F = Foundry Hook

X100 GRADE 100 MASTER LINKS

STOCK NUMBER	SIZE	WORKING LOAD LIMIT (LBS.)	
		5:1	4:1
XML13	1/2"	4,800	6,000
XML16	5/8"	6,880	8,600
XML19	3/4"	10,320	12,900
XML22	7/8"	14,080	17,600
XML26	1"	24,000	30,000
XML32	1 1/4"	31,280	39,100
XML38	1 1/2"	48,880	61,100
XML45	1 3/4"	63,440	79,300
XML50	2"	82,880	103,600



GRADE 100 MASTER LINK

X100 GRADE 100 COUPLING LINK

STOCK NUMBER	SIZE	WORKING LOAD LIMIT (LBS.)
XCL281	9/32"	4,300
XCL312	5/16"	5,700
XCL375	3/8"	8,800
XCL500	1/2"	15,000
XCL625	5/8"	22,600
XCL750	3/4"	35,300



GRADE 100 COUPLING LINK

X100 GRADE 100 MASTER LINK SUB ASSEMBLY

STOCK NUMBER	SIZE	CHAIN SIZE	WORKING LOAD LIMIT (LBS.)
XMLSA19	3/4"	9/32"	11,200
XMLSA22	7/8"	5/16"	15,200
XMLSA26	1"	3/8"	26,000
XMLSA32	1 1/4"	1/2"	39,000
XMLSA38	1 1/2"	5/8"	61,100



GRADE 100 MASTER LINK SUB ASSEMBLY

X100 GRADE 100 MASTER LINKS WITH ADJUSTERS

SIZE	STOCK NUMBER		
	SINGLE-LEG STOCK NUMBER	DOUBLE-LEG STOCK NUMBER	TRIPLE/QUADRUPLE-LEG
9/32"-5/16"	XV1-7/8	XV2-7/8	XV4-7/8
3/8"	XV1-10	XV2-10	XV4-10
1/2"	XV1-13	XV2-13	XV4-13
5/8"	XV1-16	XV2-16	XV4-16



SINGLE LEG



DOUBLE LEG



TRIPLE/ QUADRUPLE LEG



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

SINGLE							
Type SOO	Type SOS	Type SOG	Type SOF	Type SSS	Type SGG	Type SGS	Type ASOS*
DOUBLE				TRIPLE			
Type DOS	Type DOG	Type DOF	Type ADOS*	Type TOS	Type TOG	Type TOF	Type QOS
				Type QOG	Type QOF		

NOTE: 1ST LETTER INDICATES: 2ND LETTER INDICATES TOP OF FITTING: 3RD LETTER INDICATES LOWER FITTING:

S = Single-Leg	O = Oblong Link	O = Oblong Link
D = Double-Leg	S = Sling Hook	S = Sling Hook
T = Triple-Leg	G = Grab Hook	G = Grab Hook
Q = Quadruple-Leg	F = Foundry Hook	F = Foundry Hook

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	
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"

Capacities above are rated in pounds (lbs.).

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 38.



ALLOY OBLONG MASTER LINK

GRADE 80 COUPLING LINK

ALLOY, PAINTED

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
9/32"-5/16"	HL281-312	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

ALLOY, PAINTED

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
3/8"	PEAR375	0.13	1,800
1/2"	PEAR500	0.55	7,000
5/8"	PEAR625	1.10	9,000
3/4"	PEAR750	2.00	12,300
7/8"	PEAR875	2.80	14,000
1"	PEAR100	4.30	24,360
1 1/4"	PEAR1250	9.20	36,000



ALLOY PEAR SHAPED LINK

SOSA



SOS



SOG



SOO



SGG



SSS



SGS



SOF



SOSL



DOSA



DOS



DOG



DOO



DOF



DOSLA



TOSA



TOS



TOG



TOO



TOF



TOSL



QOSA



QOS



QOG



QOO



QOF



QOSL



CUSTOMIZE YOUR OWN CHAIN SLINGS. IF YOU CAN DREAM IT, WE CAN MAKE IT!

GRADE 70 TRANSPORT CHAIN

YELLOW CHROMATE

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



GRADE 70 TRANSPORT CHAIN

GRADE 43 HIGH TEST CHAIN

STOCK NUMBERS			SIZE	FEET/DRUM	WORKING LOAD LIMIT	WEIGHT/FOOT (LBS.)
SELF COLORED	BRIGHT ZINC	HOT GALVANIZED				
SCHT250	ZPHT250	HGHT250	1/4"	400, 800	2,600	0.71
SCHT312	ZPHT312	HGHT312	5/16"	275, 550	3,900	1.04
SCHT375	ZPHT375	HGHT375	3/8"	200, 400	5,400	1.48
SCHT500	ZPHT500	HGHT500	1/2"	100, 200	9,200	2.51
SCHT625	ZPHT625	HGHT625	5/8"	75, 150	11,500	3.58
SCHT750	ZPHT750	HGHT750	3/4"	100	16,200	5.48



GRADE 43 HIGH TEST CHAIN

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

Grade 43 High Test Chain 100#C Dealer Pails available upon request.

GRADE 30 PROOF COIL CHAIN

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 30 PROOF COIL CHAIN



DRUMS



PAILS

SQUARE LINK SECURITY CHAIN

CASE HARDENED, ZINC PLATED

CHAIN SIZE	STOCK NUMBER	INSIDE WIDTH	OUTSIDE WIDTH	WEIGHT/FOOT (LBS.)
3/8"	SQLINK375	.58"	1.58"	1.65



SQUARE LINK SECURITY CHAIN

61 Rockwell.

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

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



SASH 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**

Did you know?

ADVANTAGE Does...

HOOKS



GRADE 100 CLEVIS GRAB
PAGE 46



GRADE 100 EYE GRAB
PAGE 46



GRADE 100 EYE GRAB ADJUSTER
PAGE 46



GRADE 100 LOCKABLE CLEVIS GRAB
PAGE 46



GRADE 100 LOCKABLE EYE GRAB
PAGE 46



GRADE 100 CLEVIS SLING
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GRADE 100 EYE SLING
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GRADE 100 CLEVIS SELF LOCKING
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GRADE 100 EYE SELF LOCKING
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GRADE 100 SWIVEL SELF LOCKING BRONZE BUSHING
PAGE 47



GRADE 100 SWIVEL SELF LOCKING BALL BEARING
PAGE 47



GRADE 100 SWIVEL EYE HOIST HOOK BALL BEARING
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GRADE 100 FIXED EYE HOIST HOOK
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SORTING HOOK WITHOUT HANDLE
PAGE 48



SORTING HOOK WITH HANDLE
PAGE 48



GRADE 100 CLEVIS FOUNDRY HOOK
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GRADE 100 EYE FOUNDRY HOOK
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GRADE 100 WELD-ON BUCKET HOOK
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GRADE 100 ENDLESS ROUND SLING HOOKS
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ALLOY FIXED EYE HOIST
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ALLOY SWIVEL EYE HOIST
PAGE 49



ALLOY CRADLE GRAB
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ALLOY SLING WITH LATCH
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GRADE 70 CLEVIS GRAB
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GRADE 70 CLEVIS SLIP
PAGE 45



SNAP HOOK
PAGE 50



WINCHLINE HOOK
PAGE 50



HIGH TEST EYE SLIP
PAGE 45



HIGH TEST CLEVIS GRAB
PAGE 45



HIGH TEST CLEVIS SLIP
PAGE 45



HIGH TEST EYE GRAB
PAGE 45



GRADE 70 WELDABLE GRAB
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J-HOOKS
PAGE 50



LOGGING CHAIN CHOKER
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SLIDING CHOKER WITH LATCH
PAGE 50



STAINLESS STEEL CLEVIS GRAB
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STAINLESS STEEL CLEVIS SLIP
PAGE 69



STAINLESS STEEL FIXED EYE HOIST
PAGE 69



STAINLESS STEEL SWIVEL EYE HOIST
PAGE 69



STAINLESS STEEL FIXED EYE
PAGE 69



STAINLESS STEEL EYE SLING
GRADE 50
PAGE 69

DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

CLEVIS GRAB HOOKS

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.



GRADE 70

HIGH TEST

EYE GRAB HOOKS

HIGH TEST

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.



EYE GRAB HOOK

CLEVIS SLIP HOOKS WITH & WITHOUT LATCH

SIZE	HIGH TEST - BRIGHT ZINC			GRADE 70 - YELLOW CHROMATE			ALLOY		WEIGHT/PIECE (LBS.)
	STOCK NUMBER W/O LATCH	STOCK NUMBER W/ LATCH	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER W/O LATCH	STOCK NUMBER WITH LATCH	WORKING LOAD LIMIT (LBS.)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	
1/4"	HTCS250	HTCS250WL	1,950	G70CS250	G70CS250WL	2,750	G80CS250	2,750	0.55
5/16"	HTCS312	HTCS312WL	2,875	G70CS312	G70CS312WL	4,300	G80CS312	4,300	0.86
3/8"	HTCS375	HTCS375WL	4,000	G70CS375	G70CS375WL	5,250	G80CS375	5,250	1.40
1/2"	HTCS500	HTCS500WL	6,500	G70CS500	G70CS500WL	9,000	G80CS500	9,000	2.75
5/8"	HTCS625	HTCS625WL	9,250	G70CS625	G70CS625WL	13,500	G80CS625	13,500	4.75

Note: These hooks are not suitable for overhead lifting.



GRADE 70

HIGH TEST

EYE SLIP HOOKS

HIGH TEST

SIZE	STOCK NUMBER - BRIGHT ZINC		WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
	STOCK NUMBER W/O LATCH	STOCK NUMBER W/ LATCH		
1/4"	HTES250	HTES250WL	1,950	0.55
5/16"	HTES312	HTES312WL	2,875	0.86
3/8"	HTES375	HTES375WL	4,000	1.40
1/2"	HTES500	HTES500WL	6,500	2.75
5/8"	HTES625	HTES625WL	9,250	4.75
3/4"	HTES750	HTES750WL	12,500	11.28

Note: These hooks are not suitable for overhead lifting.



EYE SLIP HOOK

X100 ALLOY GRAB HOOKS WITH CRADLE

CLEVIS TYPE OR EYE TYPE



CLEVIS

EYE

STOCK NUMBER		SIZE	WORKING LOAD LIMIT (LBS.)
CLEVIS TYPE	EYE TYPE		
XCG281	XEG281	9/32"	4,300
XCG312	XEG312	5/16"	5,700
XCG375	XEG375	3/8"	8,800
XCG500	XEG500	1/2"	15,000
XCG625	XEG625	5/8"	22,600

X100 GRADE 100 EYE GRAB ADJUSTER HOOKS



STOCK NUMBER	SIZE	WORKING LOAD LIMIT
XEG281-312ADJ	9/32"-5/16"	5,700
XEG375ADJ	3/8"	8,800
XEG500ADJ	1/2"	15,000
XEG625ADJ	5/8"	22,600
XEG750ADJ	3/4"	35,300

X100 GRADE 100 LOCKABLE ALLOY GRAB HOOKS

CLEVIS TYPE OR EYE TYPE



CLEVIS

EYE

STOCK NUMBER		SIZE	WORKING LOAD LIMIT (LBS.)
CLEVIS TYPE	EYE TYPE		
XCG312WL	XEG312WL	5/16"	5,700
XCG375WL	XEG375WL	3/8"	7,100
XCG500WL	XEG500WL	1/2"	12,000

X100 ALLOY SLING HOOKS WITH LATCH

CLEVIS TYPE OR EYE TYPE



CLEVIS

EYE

STOCK NUMBER		SIZE	WORKING LOAD LIMIT (LBS.)
CLEVIS TYPE	EYE TYPE		
XCS281-312	XES281-312	9/32"-5	5,700
XCS375	XES375	3/8"	8,800
XCS500	XES500	1/2"	15,000
XCS625	XES625	5/8"	22,600
XCS750	-	3/4"	35,300

X100 GRADE 100 SELF LOCKING HOOKS

CLEVIS TYPE OR EYE TYPE

STOCK NUMBER		SIZE	WORKING LOAD LIMIT (LBS.)
CLEVIS TYPE	EYE TYPE		
XCSSL281-312	XESL281-312	9/32"-5/16"	5,700
XCSSL375	XESL375	3/8"	8,800
XCSSL500	XESL500	1/2"	15,000
XCSSL625	XESL625	5/8"	22,600
XCSSL750	-	3/4"	35,300



CLEVIS

EYE

X100 GRADE 100 SELF LOCKING SWIVEL HOOKS

BRONZE BUSHING OR BALL BEARING

STOCK NUMBER		SIZE	WORKING LOAD LIMIT (LBS.)
BRONZE BUSHING	BALL BEARING		
XSSL281-312	XSSL281-312BB	9/32" - 5/16"	5,700
XSSL375	XSSL375BB	3/8"	8,800
XSSL500	XSSL500BB	1/2"	15,000
XSSL625	XSSL625BB	5/8"	22,600

Ball Bearing swivels under load.



BRONZE BUSHING

BALL BEARING

X100 GRADE 100 SWIVEL EYE HOIST HOOKS W/ BALL BEARING

STOCK NUMBER	WORKING LOAD LIMIT (TONS)	REPLACEMENT LATCH KIT STOCK NUMBER
XEHH100SBB	1	XEHH100SBBLK
XEHH200SBB	2	XEHH200SBBLK
XEHH300SBB	3	XEHH300SBBLK
XEHH500SBB	5	XEHH500SBBLK
XEHH700SBB	7	XEHH700SBBLK
XEHH1100SBB	11	XEHH1100SBBLK
XEHH1500SBB	15	XEHH1500SBBLK

Ball Bearing swivels under load.



X100 GRADE 100 FIXED EYE HOIST HOOKS WITH LATCH

STOCK NUMBER	WORKING LOAD LIMIT (TONS)	REPLACEMENT LATCH KIT STOCK NUMBER
XEHH100	1	XEHH100LK
XEHH150	1.5	XEHH150LK
XEHH200	2	XEHH200LK
XEHH300	3	XEHH300LK
XEHH500	5	XEHH500LK
XEHH700	7	XEHH700LK
XEHH1100	11	XEHH1100LK



X100 SORTING HOOK

WITH OR WITHOUT HANDLE

STOCK NUMBER	SIZE	EYE DIAMETER OPENING	OPENING AT TOP OF HOOK	WORKING LOAD LIMIT AT TIP	WORKING LOAD LIMIT AT BOWL
XSORTING	2 Ton	1.35"	2.75"	2 Ton	7.5 Ton
XSORTINGWH	2 Ton	1.35"	2.75"	2 Ton	7.5 Ton



X100 FOUNDRY HOOK

SIZE	CLEVIS FOUNDRY HOOK			EYE FOUNDRY HOOK		
	STOCK NUMBER	WORKING LOAD LIMIT AT TIP (LBS.)	WORKING LOAD LIMIT AT BOWL (LBS.)	STOCK NUMBER	WORKING LOAD LIMIT AT TIP (LBS.)	WORKING LOAD LIMIT AT BOWL (LBS.)
9/32"-5/16"	-	-	-	XE281-312	2,850	5,700
3/8"	XCF375	4,400	8,800	XEF375	4,400	8,800
1/2"	XCF500	7,500	15,000	XEF500	7,500	15,000
5/8"	XCF625	11,300	22,600	XEF625	1,1300	2,2600



X100



DO NOT EXCEED WORKING LOAD LIMIT. REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

ALLOY EYE HOIST HOOKS WITH LATCH

FIXED OR SWIVEL

WORKING LOAD LIMIT (TONS)	ALLOY FIXED EYE HOIST HOOK				ALLOY SWIVEL EYE HOIST HOOK			
	STOCK NUMBER	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE	STOCK NUMBER	INSIDE BAIL	THROAT OPENING	WEIGHT/PIECE (LBS.)
1	EHH100A	4.38"	0.75"	0.65	EHH100SA	1.25"	15/16"	0.78
1.5	EHH150A	4.88"	0.88"	0.87	-	-	-	-
2	EHH200A	5.50"	1.13"	1.44	EHH200SA	1.75"	1 1/16"	2.02
3	EHH300A	6.31"	1.25"	1.94	EHH300SA	1.75"	1 7/32"	2.57
5	EHH500A	7.94"	1.56"	3.94	EHH500SA	2.0"	1 1/2"	4.89
7	EHH700A	10.0"	2.00"	7.75	EHH700SA	2.5"	1 7/8"	10.29
11	EHH1100A	12.44"	2.44"	13.0	EHH1100SA	2.75"	2 1/4"	18.62
15	EHH1500A	14.00"	2.84"	21.6	EHH1500SA	3.15"	2 5/8"	23.3
22	EHH2200A	17.40"	3.50"	39.5	EHH2200SA	4.10"	3 3/8"	47.0



FIXED EYE



SWIVEL EYE

ALLOY GRAB HOOKS WITH CRADLE

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
9/32"	CRADLE281	3,500	0.84
5/16"	CRADLE312	4,500	0.84
3/8"	CRADLE375	7,100	1.87
1/2"	CRADLE500	12,000	4.19
5/8"	CRADLE625	18,100	6.17



ALLOY GRAB HOOK WITH CRADLE

ALLOY SLING HOOKS WITH LATCH

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
9/32"	CSLING281	3,500	1.16
5/16"	CSLING312	4,500	1.16
3/8"	CSLING375	7,100	2.43
1/2"	CSLING500	12,000	4.41
5/8"	CSLING625	18,100	7.67



ALLOY SLING HOOK WITH LATCH

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.



REPLACEMENT LATCH KIT



SNAP HOOKS

HOT GALVANIZED

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.



WINCHLINE HOOKS

ZINC PLATED

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-HOOKS

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

SLIDING CHOKER HOOKS WITH LATCH

SIZE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3/8"-1/2"	CHOKESLIDE500WI	3,800	1.5
5/8"	CHOKESLIDE625I	5,800	2.08
3/4"	CHOKESLIDE750I	8,200	4.4

SLIDING CHOKER HOOK REPLACEMENT LATCH KIT

SIZE	STOCK NUMBER	WEIGHT/PIECE (LBS.)
3/8"-1/2"	CHOKESLIDE500LK	0.2
5/8"	CHOKESLIDE625LK	0.2
3/4"	CHOKESLIDE750LK	0.3

GRADE 70 WELDABLE GRAB BUCKET HOOKS

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



WELD-ON BUCKET HOOKS

STOCK NUMBER	SIZE	WORKING LOAD LIMIT
XBH1T	1 Ton	2,000 lbs.
XBH2T	2 Ton	4,000 lbs.
XBH3T	3 Ton	6,000 lbs.
XBH5T	5 Ton	10,000 lbs.
XBH8T	8 Ton	16,000 lbs.
XBH10T	10 Ton	20,000 lbs.



WELD-ON LIFTING POINTS

RATED FOR OVERHEAD LIFTING

STOCK NUMBER	SIZE	WORKING LOAD LIMIT
XWLP1T	1 Ton	2,000 lbs.
XWLP2T	2 Tons	4,000 lbs.
XWLP3T	3 Tons	6,000 lbs.
XWLP5T	5 Tons	10,000 lbs.
XWLP8T	8 Tons	16,000 lbs.
XWLP15T	15 Tons	30,000 lbs.



WELD-ON OR BOLT-ON D-RINGS

NOT FOR OVERHEAD LIFTING

STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	MATERIAL	WEIGHT / PIECE (LBS.)	DESCRIPTION
J-704B	3,000	12,000	C-1045	0.5	1/2" forged D-ring w/ bolt-on mounting bracket
J-704	3,000	12,000	C-1045	0.5	1/2" forged D-ring w/ weld-on mounting bracket
J-705	4,500	18,000	C-1045	0.7	5/8" forged D-ring w/ weld-on mounting bracket
J-706	6,625	26,500	C-1045	1.0	3/4" forged D-ring w/ weld-on mounting bracket
J-707	11,685	46,750	C-1045	1.3	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 CHAIN RETAINERS

STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT/PIECE (LBS.)	DESCRIPTION
CR10000	2,500	10,000	0.5	Fits 1/4"-5/16" chain
CR20000	5,000	20,000	1.3	Fits 5/16"-3/8" chain



Engineered and rated for overhead lifting.

Welding is to be performed by a qualified welder using a qualified procedure in accordance with the American Welding Society. Weld-On Chain Retainer is a great weld on chain attachment device for dump truck tailgates and trailer safety chains.



SCREW PIN ANCHOR SHACKLE

SCREW PIN ANCHOR SHACKLES

DROP FORGED, LOAD RATED, HOT GALVANIZED

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
2 1/2"	SPA2500	2 1/2"	55.0	83.0

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



SAFETY ANCHOR SHACKLE

SAFETY ANCHOR SHACKLES

DROP FORGED, LOAD RATED, HOT GALVANIZED

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.

X100 ALL ALLOY SCREW PIN ANCHOR SHACKLES



ALL ALLOY SCREW PIN ANCHOR SHACKLE
POWDER COATED HI-VIZ SAFETY ORANGE

SIZE	STOCK NUMBER	PIN DIAMETER	WORKING LOAD LIMIT (TONS)	WEIGHT/PIECE (LBS.)
1/4"	XSPAA250	5/16"	.75	0.10
5/16"	XSPAA312	3/8"	1.0	0.18
3/8"	XSPAA375	7/16"	2.0	0.31
7/16"	XSPAA437	1/2"	2.66	0.49
1/2"	XSPAA500	5/8"	3.33	0.74
5/8"	XSPAA625	3/4"	5.0	1.44
3/4"	XSPAA750	7/8"	7.0	2.16
7/8"	XSPAA875	1"	9.50	3.37
1"	XSPAA100	1 1/8"	12.5	5.30
1 1/4"	XSPAA1250	1 3/8"	18.0	9.60
1 1/2"	XSPAA1500	1 5/8"	25.0	17.35

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

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



SCREW PIN CHAIN SHACKLE

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

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



ROUND PIN ANCHOR SHACKLE

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

COMMERCIAL GRADE ANCHOR SHACKLES

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



COMMERCIAL GRADE ANCHOR SHACKLE

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



SPRING HOOK

SPRING HOOKS (UNIVERSAL SNAP) #2450 **BRIGHT ZINC**

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 #7350 **BRIGHT ZINC**

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
5/8"	QL625	4,700	1.40

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

SWIVELS **DROP-FORGED, HOT GALVANIZED**

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**

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



COLD SHUT

Note: Cold Shuts are not suitable for overhead lifting.

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



CONNECTING LINK

Note: Connecting Links are not suitable for overhead lifting.

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



DOUBLE CLEVIS

Note: Double Clevises are not suitable for overhead lifting.

S HOOK, STEEL - BRIGHT ZINC

STOCK NUMBER	SIZE	WEIGHT/1,000 PIECES (LBS.)
SHOOK#187	0.187" X 2 3/4"	41.3
SHOOK#187HT High Tensile	0.187" X 1 1/2"	23.9
SHOOK#72	0.08" X 1"	6.0
SHOOK#80	0.250" X 2 1/4"	7.5
SHOOK#81	0.125" X 1 1/8"	7.8
SHOOK#100	0.125" X 1 1/2"	9.0
SHOOK#120	0.125" X 1 3/4"	12.5
SHOOK#375	0.125" X 2"	13.2



S-HOOK

These items are NOT designed or approved for overhead lifting.

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

Did you know?

ADVANTAGE Does...

CARGO CONTROL



GOLD TIP®
PREMIUM CARGO CONTROL

DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.

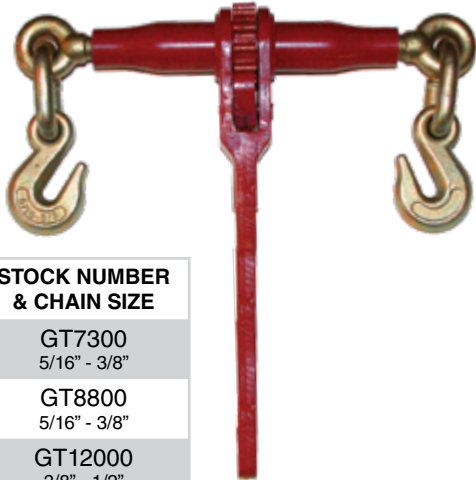
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GOLD TIP

PREMIUM CARGO CONTROL

GOLD TIP Series

ONE PIECE HANDLE
PREMIUM RATCHET LOAD BINDERS



STOCK NUMBER & CHAIN SIZE
GT7300 5/16" - 3/8"
GT8800 5/16" - 3/8"
GT12000 3/8" - 1/2"
GT13000 1/2" - 5/8"

LOK-DOWN® Series

TWO PIECE HANDLE
PREMIUM RATCHET LOAD BINDERS



STOCK NUMBER & CHAIN SIZE
LKD8800 5/16" - 3/8"
LKD12000 3/8" - 1/2"
LKD18100 1/2" - 5/8"

GOLD TIP LITE Series

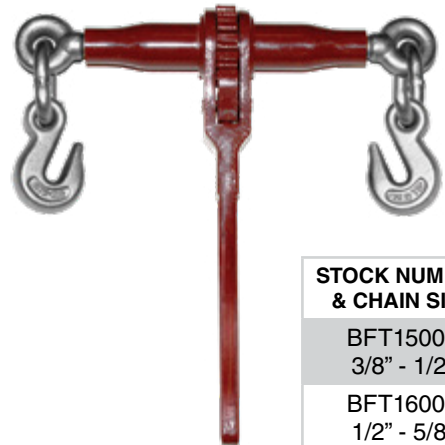
ONE PIECE HANDLE
PREMIUM RATCHET LOAD BINDERS



STOCK NUMBER & CHAIN SIZE
GT3500L 3/16" - 1/4"
GT4700L 1/4" - 5/16"
GT7100L 5/16" - 3/8"
GT11300L 3/8" - 1/2"

BIG-FOOT® Series

ONE PIECE HANDLE
PREMIUM HIGH CAPACITY
RATCHET LOAD BINDERS



STOCK NUMBER & CHAIN SIZE
BFT15000 3/8" - 1/2"
BFT16000 1/2" - 5/8"

Designed for **EXTREME** loads

GOLD TIP
PREMIUM LEVER LOAD BINDERS

LEVER TYPE



STOCK NUMBER & CHAIN SIZE
 LBNDR250
 1/4" Grade 30, 1/4" Grade 43
 LBNDR7100
 5/16" Grade 70, 3/8" Grade 70
 LBNDR500
 3/8" Grade 70, 1/2" Grade 43

SAFETY RECOILLESS



STOCK NUMBER & CHAIN SIZE
 LBNDR6600RECOIL
 5/16" - 3/8"

CLAW-CLAW



STOCK NUMBER & CHAIN SIZE
 LBNDR6600CC
 5/16" - 3/8"

COMPRESSION SPRING



STOCK NUMBER & CHAIN SIZE
 LBNDR6600SPRING
 5/16" - 3/8"
 LBNDR9200SPRING
 3/8" - 1/2"

LIGHT DUTY



STOCK NUMBER & CLASSIFICATION
 LBNDRLIGHTDUTY
 Utility 375 lbs. WLL

1" POLYESTER RATCHET TIE-DOWNS

WITH S- OR J-HOOKS

SIZE	STOCK NUMBER	COLOR	END FITTING	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
1" x 8'	STRAP1X8	Yellow	Black Vinyl S-Hook	1,000	1.8
1" x 8'	STRAP1X8B	Black	Black Vinyl S-Hook	1,000	1.8
1" x 12'	STRAP1X12	Yellow	Black Vinyl S-Hook	1,000	2.0
1" x 15'	STRAP1X15	Yellow	Black Vinyl S-Hook	1,000	2.3
1" x 15'	STRAP1X15B	Black	Black Vinyl S-Hook	1,000	2.3
1" x 15'	STRAP1X15BLU	Blue	Black Vinyl S-Hook	1,000	2.3
1" x 15'	STRAP1X15J	Yellow	Yellow Zinc Wire J-Hook	1,000	2.3

Custom sizes available from our in-house sew shop.



2" YELLOW POLYESTER RATCHET TIE-DOWNS

WITH FLAT, CHAIN GRAB, OR J-HOOKS

SIZE	STOCK NUMBER	END FITTINGS	RATCHET	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
2" x 8'	STRAP2x8RJH	J-Hooks	Long/Wide Handle	3,335	4
2" x 15'	STRAP2x15RFH	Flat Hooks	Long/Wide Handle	3,335	5
2" x 15'	STRAP2x15RJH	J-Hooks	Long/Wide Handle	3,335	5
2" x 27'	STRAP2x27RFH	Flat Hooks	Long/Wide Handle	3,335	6
2" x 27'	STRAP2x27RJH	J-Hooks	Long/Wide Handle	3,335	6
2" x 27'	STRAP2x27RCG	Chain Grab Hooks	Long/Wide Handle	3,335	14
2" x 30'	STRAP2x30RFH	Flat Hooks	Long/Wide Handle	3,335	7
2" x 30'	STRAP2x30RJH	J-Hooks	Long/Wide Handle	3,335	7



3" YELLOW POLYESTER RATCHET TIE-DOWNS

WITH FLAT OR J-HOOKS

SIZE	STOCK NUMBER	HOOKS	RATCHET	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
3" x 30'	STRAP3x30RFH	Flat Hooks	Long Handle	5,400	15
3" x 30'	STRAP3x30RJH	J-Hooks	Long Handle	5,400	15

Custom sizes available from our in-house sew shop.

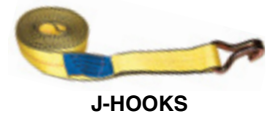


4" YELLOW POLYESTER RATCHET TIE-DOWNS

WITH FLAT, CHAIN GRAB, OR J-HOOKS

SIZE	STOCK NUMBER	HOOKS	RATCHET	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
4" x 30'	STRAP4x30RFH	Flat Hooks	Long Handle	6,600	19
4" x 30'	STRAP4x30RJH	J-Hooks	Long Handle	6,600	19
4" x 30'	STRAP4x30RCG	Chain Grab Hooks	Long Handle	6,600	22

Custom sizes available from our in-house sew shop.



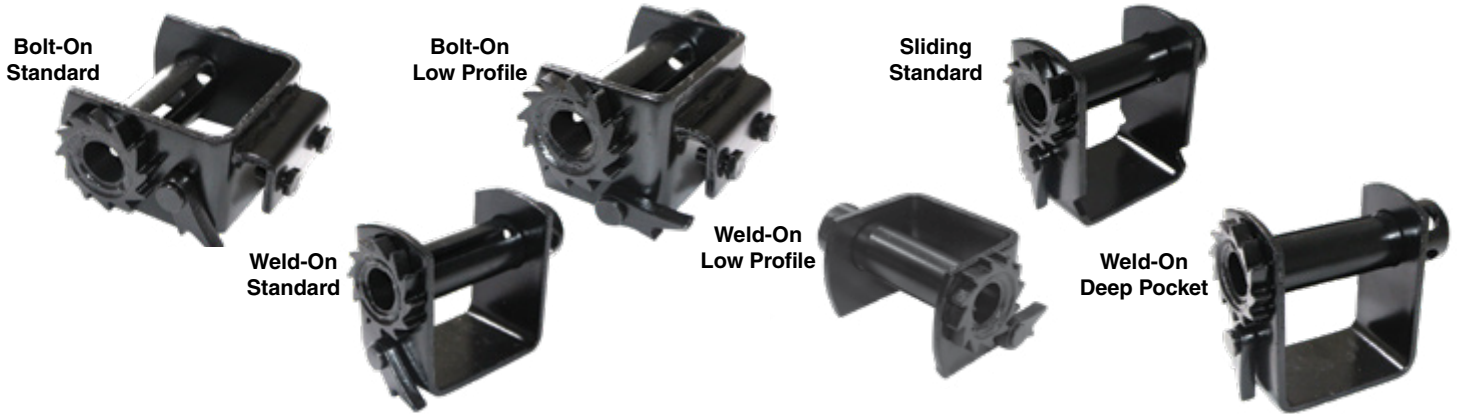
2" & 4" YELLOW POLYESTER REPLACEMENT STRAPS

WITH FLAT, CHAIN GRAB, OR J-HOOKS

SIZE	STOCK NUMBER	HOOKS	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)
2" x 30'	STRAPRS2x27FH	Flat Hooks	3,335	3
2" x 30'	STRAPRS2x27JH	J-Hooks	3,335	3
4" x 30'	STRAPRS4x30FH	Flat Hooks	6,600	6
4" x 30'	STRAPRS4x30JH	J-Hooks	6,600	6
4" x 30'	STRAPRS4x30CG	Chain Grab Hooks	6,600	11

TRUCK WINCHES

STOCK NUMBER	DESCRIPTION	SIZE	LENGTH	WIDTH	HEIGHT	TRAILER MOUNT POSITION	WEIGHT/PIECE (LBS.)
TWBOSTD	4" Bolt-On	Standard	4 7/8"	5 5/16"	3 9/16"	Bottom	10
TWBOLP	4" Bolt-On	Low Profile	4 7/8"	4 5/16"	4"	Side	9
TWSLDSTD	4" Sliding	Standard	5"	5 1/2"	4"	Bottom	11
TWVOSTD	4" Weld-On	Standard	4 7/8"	5 5/16"	3 9/16"	Bottom	8
TWVOLP	4" Weld-On	Low Profile	4 7/8"	4 5/16"	4"	Bottom	7
TWVODEEP	4" Weld-On	Deep Pocket	5"	7"	4"	Bottom	11



STANDARD WINCH BARS

STOCK NUMBER	FINISH	LENGTH	WEIGHT/PIECE (LBS.)
WBAR709BLACK	Painted Black	32"	5
WBAR709CHROME	Chrome Plated	32"	5



COMBINATION WINCH BARS

STOCK NUMBER	FINISH	LENGTH	WEIGHT/PIECE (LBS.)
WBARCOMBOBLACK	Painted Black	35"	6
WBARCOMBOCHROME	Chrome Plated	35"	6



RATCHETING WINCH BARS

STOCK NUMBER	FINISH	LENGTH	WEIGHT/PIECE (LBS.)
GTWBR-H15	Powder Coated	15"	5
GTWBR-H28	Powder Coated	28"	11



CORNER PROTECTORS

STOCK NUMBER	DESCRIPTION	WEIGHT/PIECE (LBS.)
4CP	Plastic Corner Protector for 2", 3", and 4" webbing	0.4
2RP	Rubber Corner Protector for 2" webbing	0.5
4RP	Rubber Corner Protector for 3" and 4" webbing	1.2



GRADE 70 CHAIN

YELLOW ZINC

SIZE	STOCK NUMBER	FEET/DRUM	WORKING LOAD LIMIT (LBS.)	WEIGHT/FOOT (LBS.)
1/4"	G70250	400', 800' drum	3,150	0.63
5/16"	G70312	275', 550' drum	4,700	0.93
3/8"	G70375	200', 400' drum	6,600	1.41
1/2"	G70500	100', 200' drum	11,300	2.4
5/8"	G70625	75', 150' drum	15,800	3.53
1/4"	G70250X133	133' pail	3,150	0.63
5/16"	G70312X92	92' pail	4,700	0.93
3/8"	G70375X66	66' pail	6,600	1.41
1/2"	G70500X33	33' pail	11,300	2.4



Custom lengths available upon request.

GRADE 70 TRANSPORT BINDER CHAINS WITH GRAB HOOKS

SIZE	STOCK NUMBER	GRADE/FINISH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)	PIECES/DRUM
5/16" X 16'	G70BC312X16	Gr 70/Yellow Zinc	4,700	16	25
5/16" X 20'	G70BC312X20	Gr 70/Yellow Zinc	4,700	23	25
5/16" X 25'	G70BC312X25	Gr 70/Yellow Zinc	4,700	26	20
3/8" X 10'	G70BC375X10	Gr 70/Yellow Zinc	6,600	17	30
3/8" X 12'	G70BC375x12	Gr 70/Yellow Zinc	6,600	20	30
3/8" X 14'	G70BC375x14	Gr 70/Yellow Zinc	6,600	23	25
3/8" X 16'	G70BC375X16	Gr 70/Yellow Zinc	6,600	26	25
3/8" X 20'	G70BC375X20	Gr 70/Yellow Zinc	6,600	32	20
3/8" X 25'	G70BC375X25	Gr 70/Yellow Zinc	6,600	37	15
1/2" X 10'	G70BC500X10	Gr 70/Yellow Zinc	11,300	46	10
1/2" X 20'	G70BC500X20	Gr 70/Yellow Zinc	11,300	52	10
1/2" X 25'	G70BC500X25	Gr 70/Yellow Zinc	11,300	65	5



Custom lengths and hooks available upon request.

GRADE 80 BINDER CHAINS WITH GRAB HOOKS

SIZE	STOCK NUMBER	GRADE/FINISH	WORKING LOAD LIMIT (LBS.)	WEIGHT/PIECE (LBS.)	PIECES/DRUM
5/16" X 16'	G80BC312X16	Gr 80/Black Lacquer	4,500	16	25
5/16" X 20'	G80BC312X20	Gr 80/Black Lacquer	4,500	23	25
5/16" X 25'	G80BC312X25	Gr 80/Black Lacquer	4,500	26	20
3/8" X 16'	G80BC375X16	Gr 80/Black Lacquer	7,100	26	25
3/8" X 20'	G80BC375X20	Gr 80/Black Lacquer	7,100	32	20
3/8" X 25'	G80BC375X25	Gr 80/Black Lacquer	7,100	37	15
1/2" X 10'	G80BC500X10	Gr 80/Black Lacquer	12,000	46	10
1/2" X 20'	G80BC500X20	Gr 80/Black Lacquer	12,000	52	10
1/2" X 25'	G80BC500X25	Gr 80/Black Lacquer	12,000	65	10



Custom lengths and hooks available upon request. Larger sizes available upon request. For cargo control only.



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

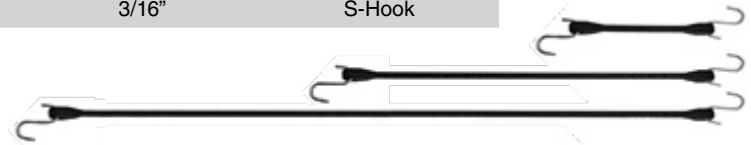
STOCK NUMBER	CHAIN	HOOK	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
Y3816A	3/8" G70	3/8" G70	5,000	15,000	3.86



RUBBER TARP STRAPS

STOCK NUMBER	OVERALL LENGTH	STRAP LENGTH	S-HOOK DIAMETER	END FITTINGS
TARPSTRAP9	13"	9"	3/16"	S-Hook
TARPSTRAP15	19"	15"	3/16"	S-Hook
TARPSTRAP21	25"	21"	3/16"	S-Hook
TARPSTRAP31	35"	31"	3/16"	S-Hook
TARPSTRAP41	45"	41"	3/16"	S-Hook

Made with EPDM synthetic rubber. S-Hooks are electrogalvanized.



CARGO BAR

ELECTROGALVANIZED

STOCK NUMBER	DESCRIPTION	REACH MIN/MAX	TUBE DIAMETER	END FITTINGS
CBAR	Steel Cargo Bar	89" - 104"	1.5"	2" x 4" Rubber



CARGO BAR HOLDER

ELECTROGALVANIZED

STOCK NUMBER	DESCRIPTION
CBARHOLDER	Two piece steel Cargo Bar Holder with rubber insert



E-TRACK DECK BEAM

STOCK NUMBER	DESCRIPTION	REACH MIN/MAX	WEIGHT/PIECE (LBS.)
DB103A	Aluminum Deck/Shoring Beam	92" - 103"	17





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

DOUBLE SECURITY LOCK
YELLOW ZINC

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



2" SHORT HANDLE RATCHET BUCKLE

DOUBLE SECURITY LOCK
YELLOW ZINC

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



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.)
LRF	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

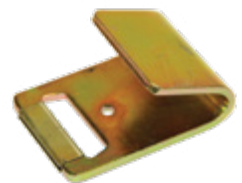
SIZE (LENGTH)	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)	BREAKING STRENGTH (LBS.)	WEIGHT (LBS.)
4 5/8"	Y20M3J	7,333	22,000	1.45



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



Did you know?

ADVANTAGE Does...

STAINLESS STEEL



AIRCRAFT CABLE & WIRE ROPE
PAGE 6, 7 & 67



WIRE ROPE CLIPS
PAGE 20



CHAIN
PAGE 67



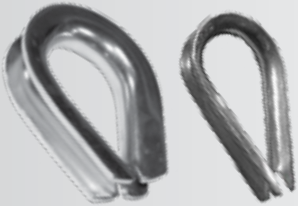
TURNBUCKLES
PAGE 25



SHACKLES
PAGE 68



EYE BOLTS & EYE NUTS
PAGE 29



THIMBLES
PAGE 21



QUICK LINKS & SPRING HOOKS
PAGE 70



HOOKS
PAGE 69



LINKS
PAGE 74



SLEEVES & SNAPS
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RINGS
PAGE 74



CONNECTING LINKS
PAGE 70



SWIVELS
PAGE 70



BLOCKS
PAGE 71

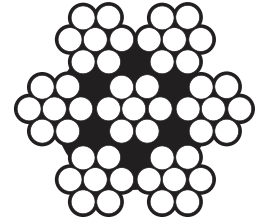
**DO NOT EXCEED WORKING LOAD LIMIT.
REFER TO PAGE 5 FOR WARNINGS AND CAUTIONS.**

STAINLESS STEEL AIRCRAFT CABLE

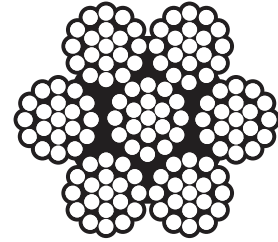
TYPE 304

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

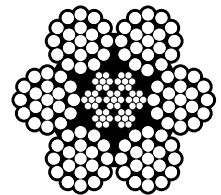
Standard reel lengths in stock: 250', 500', 1,000' and 5,000'. Also available in Type 316.



7X7



7X19



6X25 OR 6X36

STAINLESS STEEL WIRE ROPE

EIPS 6 X 25/36 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"	SSWRC8756X36	1,420	66,500
1"	SSWRC1006X36	1,850	85,400

STAINLESS STEEL HIGH TEST CHAIN

TYPE 316

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 HIGH TEST CHAIN

STAINLESS STEEL SPECIALTY CHAINS

SIZE	TYPE	STOCK NUMBER	REEL SIZES
# 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
# 35	Sash	SSSASH#35	100/Box
# 8	Sash	SSSASH#8	100/Box



STAINLESS STEEL SINGLE JACK CHAIN



STAINLESS STEEL DOUBLE LOOP CHAIN



STAINLESS STEEL SASH CHAIN

STAINLESS STEEL 316 SCREW PIN ANCHOR SHACKLES

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"	1,500	0.18
3/8"	SSPA375	7/16"	2,000	0.31
7/16"	SSPA437	1/2"	3,000	0.48
1/2"	SSPA500	5/8"	4,000	0.68
5/8"	SSPA625	3/4"	6,000	1.26
3/4"	SSPA750	7/8"	8,000	2.10
7/8"	SSPA875	1"	12,000	3.32
1"	SSPA100	1 1/8"	14,000	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.)
3/16"	SSPA187BOW	3/16"	500	0.04
1/4"	SSPA250BOW	1/4"	750	0.06
5/16"	SSPA312BOW	5/16"	1,300	0.12
3/8"	SSPA375BOW	3/8"	1,750	0.25
1/2"	SSPA500BOW	1/2"	3,000	0.56
5/8"	SSPA625BOW	5/8"	4,000	1.05
3/4"	SSPA750BOW	3/4"	6,000	1.68
7/8"	SSPA875BOW	7/8"	8,000	2.52
1"	SSPA100BOW	1"	9,000	3.80
1 1/4"	SSPA1250BOW	1 1/4"	12,000	9.50



STAINLESS STEEL SCREW PIN BOW SHACKLE

STAINLESS STEEL 316 SAFETY BOLT ANCHOR SHACKLES

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"	12,000	3.32
1"	SSAS100	1 1/8"	14,000	4.80



STAINLESS STEEL SAFETY BOLT ANCHOR SHACKLE

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 SNAP HOOK

SIZE (TONS)	STOCK NUMBER	OVERALL LENGTH	OVERALL LENGTH	WEIGHT/PIECE (LBS.)
0.5	SNAP251-4	6.0"	1 1/8"	0.88



SWIVEL EYE SNAP 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

TYPE 316



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

TYPE 316



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

TYPE 316



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

TYPE 316



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

STAINLESS STEEL SWIVELS

TYPE 316



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



#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



#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



#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



#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



#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



#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

#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

#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

#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

#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

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

#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



#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



#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



#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



#2430 STAINLESS STEEL HARNESS CLIP

SIZE	STOCK NUMBER	OVERALL LENGTH	EYE SIZE	WEIGHT/PIECE (LBS.)	WORKING LOAD LIMIT (LBS.)
1/4"	SSHARNESS250	2 3/8"	5/16"	0.08	330
5/16"	SSHARNESS312	3 1/4"	7/16"	0.18	880
3/8"	SSHARNESS375	4"	1/2"	0.32	1,400
1/2"	SSHARNESS500	4 7/8"	5/8"	0.56	1,950



#161 STAINLESS STEEL DOUBLE END BOLT SNAP

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



STAINLESS STEEL COUPLING LINKS

GRADE 50

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

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

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

STAINLESS STEEL, HOT GALVANIZED,
ZINC PLATED

ROUND RINGS - FORMED, WELDED

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.



STAINLESS STEEL



GALVANIZED ROUND RING

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



#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



#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



#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





HOSE TO HOSE

STOCK NUMBER	CABLE DIAMETER	LENGTH	FITS HOSE DIAMETER RANGE	MAX SAFE P.S.I.
WS125	1/8"	20"	0.50" - 1.25"	200 p.s.i.
WS187	3/16"	28"	1.25" - 1.75"	200 p.s.i.
WS250	1/4"	38"	2.00" - 3.50"	200 p.s.i.
WS375	3/8"	44"	4.00" - 5.00"	200 p.s.i.

Note: Whip Stop Hose Restraints are not rated for overhead lifting.



HOSE TO TOOL

STOCK NUMBER	CABLE DIAMETER	LENGTH	FITS HOSE DIAMETER RANGE	MAX SAFE P.S.I.
WS125HT	1/8"	20"	0.50" - 1.25"	200 p.s.i.
WS187HT	3/16"	28"	1.25" - 1.75"	200 p.s.i.
WS250HT	1/4"	38"	2.00" - 3.50"	200 p.s.i.
WS375HT	3/8"	44"	4.00" - 5.00"	200 p.s.i.

Note: Whip Stop Hose Restraints are not rated for overhead lifting.

POLYESTER WHIP STOP HOSE RESTRAINT

PLY	WEB WIDTH	LENGTH	RUBBER WASHER DIMENSIONS			FITS HOSE DIAMETER RANGE (HOSE I.D.)	STOCK NUMBER
			THICKNESS	INSIDE DIAMETER	OUTSIDE DIAMETER		
ONE PLY	1"	30"	3/16"	3/4"	1 1/4"	1/4" - 2"	WS11P-30
	1"	44"	3/16"	3/4"	1 1/4"	1" - 4"	WS11P-44
	1"	64"	3/16"	3/4"	1 1/4"	2" - 6"	WS11P-64
TWO PLY	1"	36"				1/4" - 2"	WS12P-36
	1"	44"				1" - 4"	WS12P-44
	1"	64"				2" - 6"	WS12P-64



P.S.I. OF 1" - 1 PLY

MAX INTERNAL PRESSURE	
MAX HOSE I.D. (IN.)	P.S.I.
1	1,650
2	400
3	175
4	100
6	50

P.S.I. OF 1" - 2 PLY

MAX INTERNAL PRESSURE	
MAX HOSE I.D. (IN.)	P.S.I.
1	3,300
2	750
3	350
4	200
6	90

WARNING: Polyester Hose Restraints are not rated for overhead lifting. Inspect strap and Rubber Washers periodically for damage. Do not exceed hose pressure ratings. Do not expose to temperatures above 200°F. Do not use for lifting purposes.

CABLE PULLER COME-ALONG

STOCK NUMBER	SIZE	MAXIMUM PULL	CABLE DIAMETER	HANDLE LENGTH	WEIGHT	WORKING LOAD LIMIT (LBS.)
CP2000	1 Ton	12 FT	3/16"	20"	8.2 lbs.	2,000
CP4000	2 Ton	6 FT	3/16"	20"	9.4 lbs.	4,000
CP8000	4 Ton	5-10FT	1/4"	22"	14.4 lbs.	8,000

Easiest, smoothest, and safest Cable Puller available. Premium quality for the toughest jobs.



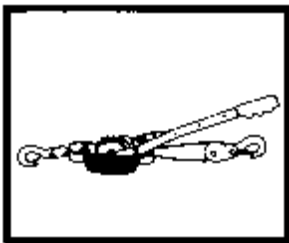
CLOSE UP DOUBLE GEAR



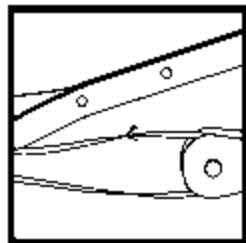
KEY FEATURES

- Heavy Duty Aluminum Double Gear
- Double Line Galvanized Aircraft Cable with Pulley/Hook Block
- 360° Rotation Swivel Hook
- Heavy Steel Frame & Handle
- Easy-to-Use Thumb Operated Engaging and Disengaging
- Forged Hooks with Safety Latches
- Anti-Slip Grip Handle
- Forged Spring-Operated Pawl
- Safety Factor 2 to 1

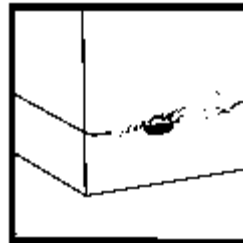
CAUTIONS



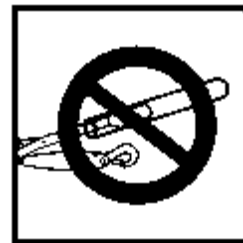
DO NOT OVERLOAD Maximum weight capacity. For PULLING ONLY. This item is not rated for overhead lifting. Be sure that the area is free and clear of any objects.



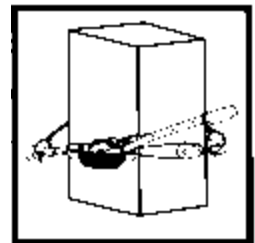
VISUALLY INSPECT PULLER Check for any damage or wear before each use. Look for fraying, kinks, or twisted wire in the cable. Look for damage to the handle, body, or mechanism. **Do not use if any damage is evident.**



DO NOT PULL AROUND CORNERS.



DO NOT USE A "CHEATER" PIPE OR ANY OTHER DEVICE TO INCREASE LEVERAGE. Do not use with any evidence of a bent or twisted handle.



NEVER WRAP CABLE AROUND AN OBJECT AND RECONNECT TO THE PULLER'S BODY OF CABLE.

LIFSTAR™ Lever Hoists



1/4 Ton



3/4 Ton



1 1/2 Ton



3 Ton



6 Ton

1/4 TON LIFT LEVER HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
LH250I	1/4 Ton, 5' Lift Lever Hoist	500	5
LH250-10I	1/4 Ton, 10' Lift Lever Hoist	500	7

3/4 TON LIFT LEVER HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
LH750-5I	3/4 Ton, 5' Lift Lever Hoist	1,500	18
LH750-10I	3/4 Ton, 10' Lift Lever Hoist	1,500	21
LH750-15I	3/4 Ton, 15' Lift Lever Hoist	1,500	25
LH750-20I	3/4 Ton, 20' Lift Lever Hoist	1,500	28

1 1/2 TON LIFT LEVER HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
LH1500-5I	1 1/2 Ton, 5' Lift Lever Hoist	3,000	31
LH1500-10I	1 1/2 Ton, 10' Lift Lever Hoist	3,000	34
LH1500-15I	1 1/2 Ton, 15' Lift Lever Hoist	3,000	37
LH1500-20I	1 1/2 Ton, 20' Lift Lever Hoist	3,000	41

3 TON LIFT LEVER HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
LH300-5I	3 Ton, 5' Lift Lever Hoist	6,000	50
LH300-10I	3 Ton, 10' Lift Lever Hoist	6,000	57
LH300-20I	3 Ton, 20' Lift Lever Hoist	6,000	71

6 TON LIFT LEVER HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
LH600-10I	6 Ton, 10' Lift Lever Hoist	12,000	82
LH600-15I	6 Ton, 15' Lift Lever Hoist	12,000	88
LH600-20I	6 Ton, 20' Lift Lever Hoist	12,000	102

LIFSTAR Chain Hoists



1/2 & 1 Ton



2 Ton



3 Ton



5 Ton

1/2 TON LIFT CHAIN HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
CHFALL1/2TON10I	1/2 Ton, 10' Lift Chain Hoist	1,000	20
CHFALL1/2TON20I	1/2 Ton, 20' Lift Chain Hoist	1,000	31

1 TON LIFT CHAIN HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
CHFALL1TON10I	1 Ton, 10' Lift Chain Hoist	2,000	26
CHFALL1TON20I	1 Ton, 20' Lift Chain Hoist	2,000	38

2 TON LIFT CHAIN HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
CHFALL2TON10I	2 Ton, 10' Lift Chain Hoist	4,000	50
CHFALL2TON20I	2 Ton, 20' Lift Chain Hoist	4,000	63

3 TON LIFT CHAIN HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
CHFALL3TON10I	3 Ton, 10' Lift Chain Hoist	6,000	72
CHFALL3TON20I	3 Ton, 20' Lift Chain Hoist	6,000	88

5 TON LIFT CHAIN HOIST

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT (LBS.)	WEIGHT (LBS.)
CHFALL5TON10I	5 Ton, 10' Lift Chain Hoist	10,000	88
CHFALL5TON20I	5 Ton, 20' Lift Chain Hoist	10,000	123

- Load tested to 150% of rated capacity
- Most economical, premium quality hoists on the market

LIFSTAR™



MANUAL TROLLEY



GEARED TROLLEY



BEAM CLAMP

MANUAL TROLLEY

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT	WEIGHT (LBS.)
TROL1/2TON	1/2 Ton Manual Push Trolley	1/2 Ton	19
TROL1TP	1 Ton Manual Push Trolley	1 Ton	34
TROL2TP	2 Ton Manual Push Trolley	2 Ton	51
TROL3TP	3 Ton Manual Push Trolley	3 Ton	88
TROL5TP	5 Ton Manual Push Trolley	5 Ton	110

GEARED TROLLEY

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT	WEIGHT (LBS.)
GTROL1T	1 Ton Geared Trolley	1 Ton	37
GTROL2T	2 Ton Geared Trolley	2 Ton	56
GTROL3T	3 Ton Geared Trolley	3 Ton	79
GTROL5T	5 Ton Geared Trolley	5 Ton	117
GTROL10T	10 Ton Geared Trolley	10 Ton	172

BEAM CLAMP

STOCK NUMBER	DESCRIPTION	WORKING LOAD LIMIT	WEIGHT (LBS.)
BEAM2TON	2 Ton Beam Clamp	2 Ton	11
BEAM3TON	3 Ton Beam Clamp	3 Ton	22
BEAM5TON	5 Ton Beam Clamp	5 Ton	26
BEAM10TON	10 Ton Beam Clamp	10 Ton	37

HARRINGTON

A KITO GROUP COMPANY



MANUAL CHAIN HOISTS



ELECTRIC HOISTS



LEVER HOISTS

HARRINGTON HOIST AUTHORIZED DISTRIBUTOR
CONTACT YOUR ADVANTAGE SALES REPRESENTATIVE FOR MORE INFORMATION

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.)	STOCK NUMBER
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, CLASS 7 WEBBING



FLAT EYE & EYE 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.



TAPERED EYE & EYE SLEEVE TYPE 4

A tapered eye offers the same working load limit with a slimmer profile in the eye. This slimmer profile allows the eye to fit most hooks. Slings with widths of 3" or greater come standard with a tapered eye.

NYLON & POLYESTER SLINGS - ENDLESS

TYPE 5, CLASS 7 WEBBING

PLY	WEB WIDTH	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	STOCK NUMBER
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.



REVERSED EYE

PLY	SLING WIDTH	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	STOCK NUMBER
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.



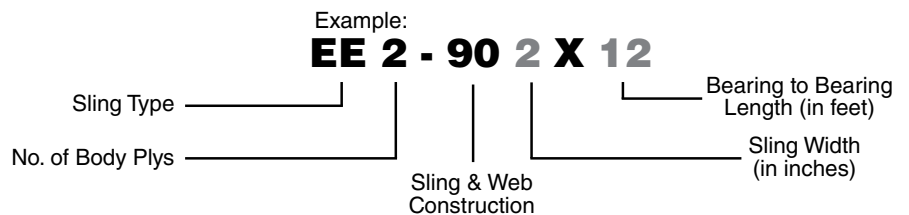
REVERSED EYE SLING TYPE 6

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 plies and widths required at top rated capacity needed.
- 3) Add lengths to our part number.



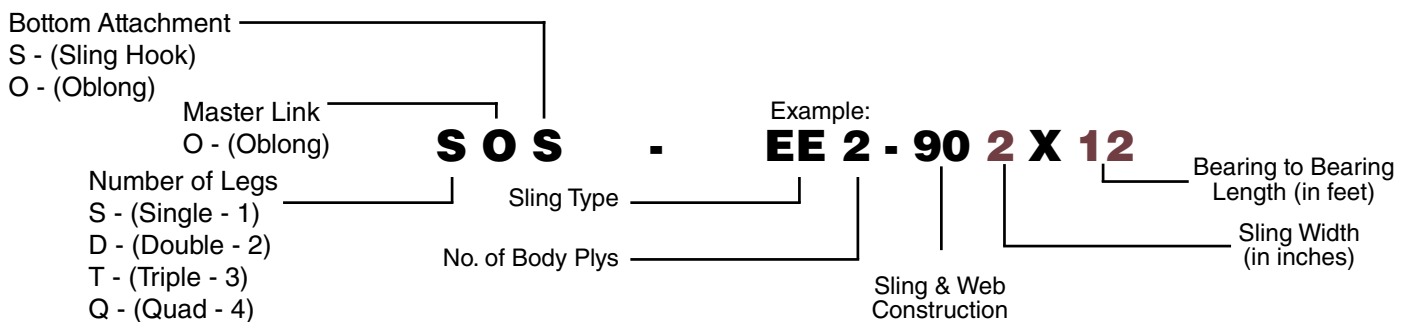
NYLON & POLYESTER SLINGS

PART NUMBER	WEB WIDTH	WEB PLY	NUMBER OF LEGS	RATED CAPACITY (LBS.)				GRADE 100 OBLONG LINK	EYE HOIST HOOK SIZE (TONS)	GRADE 100 EYE SELF LOCKING HOOK SIZE
				VERTICAL	60°	45°	30°			
EE1-901	1"	1	Single	1,600	-	-	-	1/2"	1	9/32"
	1"	1	Double	-	2,700	2,200	1,600	1/2"	1	9/32"
	1"	1	Triple	-	4,100	3,300	2,400	3/4"	1	9/32"
	1"	1	Quad	-	5,500	4,500	3,200	1"	1	9/32"
EE2-901	1"	2	Single	3,200	-	-	-	1/2"	2	9/32"
	1"	2	Double	-	5,400	4,400	3,200	3/4"	2	9/32"
	1"	2	Triple	-	8,200	6,700	4,800	3/4"	2	9/32"
	1"	2	Quad	-	10,500	8,400	6,000	1"	2	9/32"
EE1-902	2"	1	Single	3,200	-	-	-	1/2"	2	9/32"
	2"	1	Double	-	5,400	4,400	3,200	3/4"	2	9/32"
	2"	1	Triple	-	8,200	6,700	4,800	3/4"	2	9/32"
	2"	1	Quad	-	10,500	8,400	6,000	1"	2	9/32"
EE2-902	2"	2	Single	6,400	-	-	-	3/4"	4 1/2	3/8"
	2"	2	Double	-	11,000	8,900	6,000	1"	4 1/2	3/8"
	2"	2	Triple	-	16,500	13,400	9,600	1"	4 1/2	3/8"
	2"	2	Quad	-	21,500	17,500	12,500	1 1/4"	4 1/2	3/8"
EE1-903	3"	1	Single	4,800	-	-	-	1/2"	3	5/16"
	3"	1	Double	-	8,300	6,700	4,800	3/4"	3	5/16"
	3"	1	Triple	-	12,700	10,100	7,200	7/8"	3	5/16"
	3"	1	Quad	-	16,600	13,500	9,600	1"	3	5/16"
EE2-903	3"	2	Single	9,600	-	-	-	3/4"	7	-
	3"	2	Double	-	16,600	13,500	9,600	1"	7	1/2"
	3"	2	Triple	-	24,900	20,300	14,400	1 1/4"	7	1/2"
	3"	2	Quad	-	33,200	27,100	19,200	1 1/2"	7	1/2"
EE1-904	4"	1	Single	6,400	-	-	-	5/8"	4.5	3/8"
	4"	1	Double	-	11,000	9,000	6,400	7/8"	4.5	3/8"
	4"	1	Triple	-	16,600	13,500	9,600	1"	4.5	3/8"
	4"	1	Quad	-	22,100	18,000	12,800	1"	4.5	3/8"
EE2-904	4"	2	Single	12,800	—	—	—	7/8"	7	5/8"
	4"	2	Double	—	22,100	18,000	12,800	1"	7	5/8"
	4"	2	Triple	—	33,200	27,100	19,200	1 1/2"	7	5/8"
	4"	2	Quad	—	44,300	36,200	25,600	1 1/2"	7	5/8"

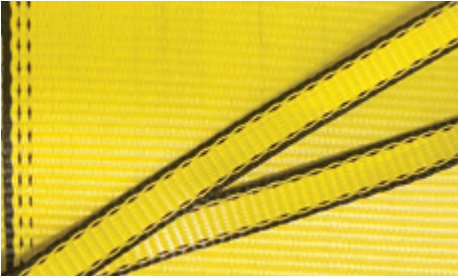
All slings are sewn in house and are customizable.

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°.

ORDERING NYLON SLINGS



WE CAN HELP YOU WITH...



NARROW ONES AND WIDE ONES



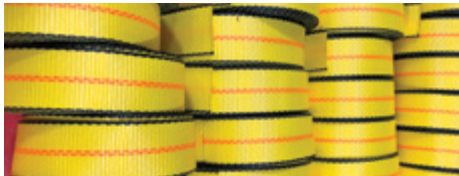
THICK ONES AND THIN ONES



LONG ONES AND SHORT ONES



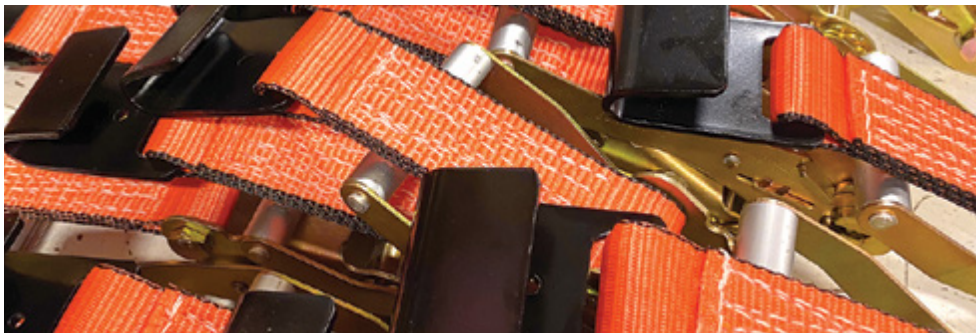
CUSTOM COLORS



CARGO CONTROL



HIGH VOLUME



CUSTOM TIE DOWNS

ADVANT-EDGE

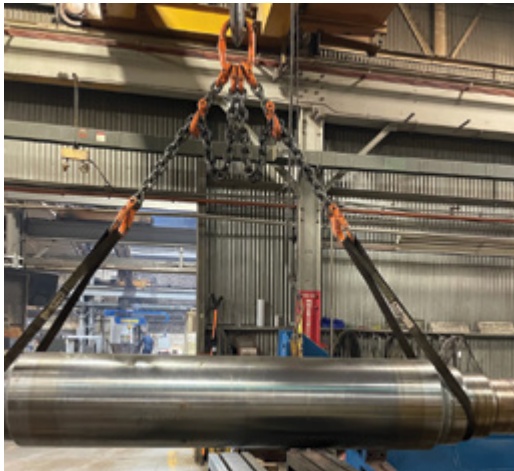
**SUPERIOR EDGE PROTECTION
EYE AND EYE & ENDLESS**



LOOKS GREAT IN RETAIL!



CONTACT YOUR ADVANTAGE SALES REPRESENTATIVE FOR MORE INFORMATION



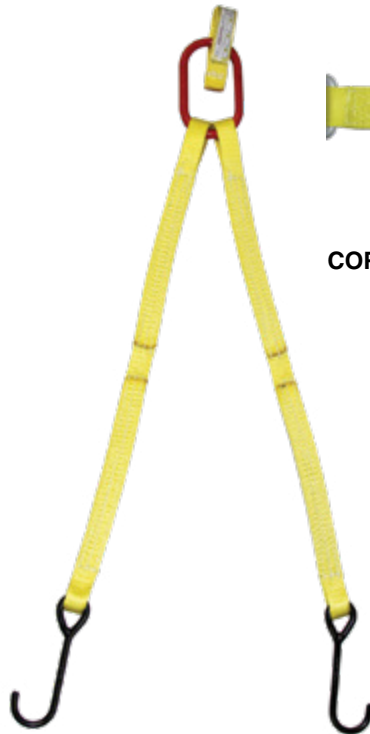
CHAIN/WEB COMBO SLINGS



TOWING AND TIE DOWN STRAPS



EXPANSIVE INVENTORY



CUSTOM BRIDLE WITH J-HOOKS



**READY SLING
CORNER PROTECTOR**



DRUM LIFTER



HOIST HOOK WITH LATCH



**ALUMINUM TYPE 1 TRIANGLE
CHOKER**



PROTECTIVE TOW STRAP



**RECOVERY
STRAP**



**WEB SLING
CONNECTOR**



BARREL SLING



SELF CHOKING BRIDLE



TWO-LEGGED BRIDLE



STEEL TYPE 1 TRIANGLE CHOKER



TOOL BAG SLING



5 GALLON BUCKET LIFTER



CUSTOM TAGGING



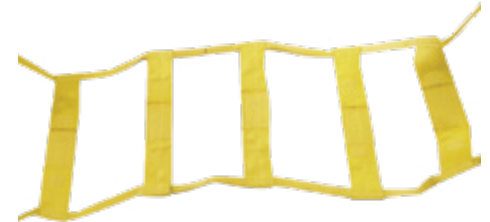
COLOR SAMPLES



GAS BOTTLE SLING



2" & 4" RUBBER CORNER PROTECTOR



WHEEL NET



DUAL REACH SLING



TYPE 2 TRIANGLE-TRIANGLE



CORDURA

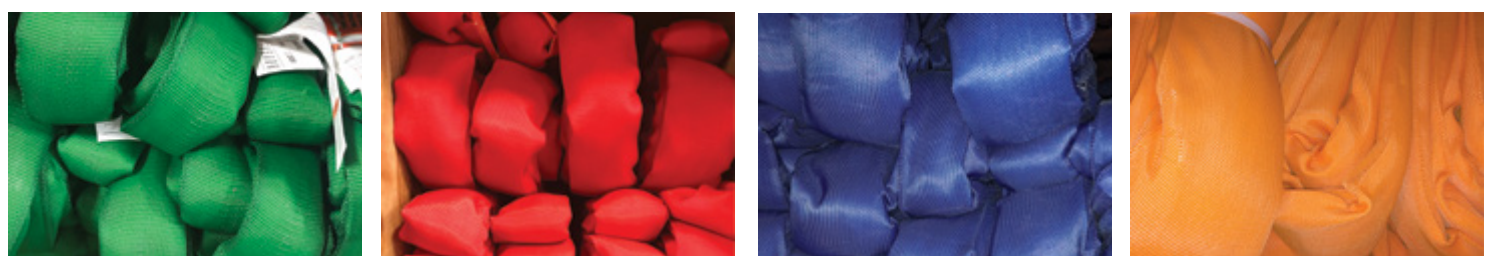


PEEK-A-BOO TAG

IF YOU CAN DREAM IT, WE CAN SEW IT!

HIGH PERFORMANCE ROUND SLINGS

COLOR SLEEVE	STOCK NUMBER	WORKING LOAD LIMIT (LBS.)				MINIMUM LENGTH (FT)	BODY DIAMETER	WEIGHT/FT (LBS.)
		VERTICAL	CHOKER	BASKET AT 90°	BASKET AT 45°			
Green	HPENR10	10,000	8,000	20,000	14,000	3	0.875"	0.33
Yellow	HPENR20	20,000	16,000	40,000	28,000	3	1.125"	0.47
Tan	HPENR30	30,000	24,000	60,000	42,000	3	1.250"	0.66
Red	HPENR40	40,000	32,000	80,000	56,000	3	1.375"	0.80
White	HPENR50	50,000	40,000	100,000	70,000	3	1.500"	1.08
Blue	HPENR60	60,000	48,000	120,000	84,000	3	1.625"	1.31
Gray	HPENR70	70,000	56,000	140,000	98,000	3	1.875"	1.55
Gray	HPENR80	80,000	64,000	160,000	113,000	5	2.125"	1.74
Orange	HPENR90	90,000	72,000	180,000	127,000	5	2.250"	1.93
Orange	HPENR100	100,000	80,000	200,000	141,000	5	2.500"	2.16
Brown	HPENR125	125,000	100,000	250,000	176,000	5	3.125"	2.82
Black (6.5")	HPENR150	150,000	120,000	300,000	210,000	5	3.750"	3.53
Olive	HPENR175	175,000	140,000	350,000	240,000	5	4.375"	4.32
Black (8")	HPENR200	200,000	160,000	400,000	280,000	5	5.250"	5.45





ENDLESS ROUND SLINGS

COLOR	APPROX. DIAMETER (NO LOAD)	VERTICAL RATED CAPACITY (LBS.)	CHOKER RATED CAPACITY (LBS.)	BASKET RATED CAPACITY (LBS.)	STOCK NUMBER
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.

X100 SYNTHETIC ROUND SLING HOOKS

STOCK NUMBER	COLOR	WORKING LOAD LIMIT
XE1HK	Purple	2,600 lbs.
XE2HK	Green	5,300 lbs.
XE3HK	Yellow	8,400 lbs.
XE5HK	Red	13,200 lbs.



SEE THE **X100** CATALOG

FOR DIMENSIONAL AND WORKING LOAD LIMIT SPECIFICATIONS

TRAILER SAFETY CHAIN

SAE CODE J684:

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.

MINIMUM TEST LOAD STANDARD FOR TRAILER SAFETY CHAINS AND THEIR COMPONENTS



TRAILER SAFETY CHAIN ASSEMBLY WITH S-HOOK AND LATCH

TRAILER SAFETY CHAIN ASSEMBLIES

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

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.

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"



CLEVIS SLIP HOOK WITH LATCH

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

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



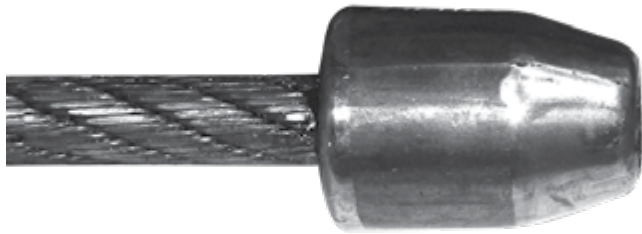
Our safety chains are approved by CSA International for use in Canada.



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



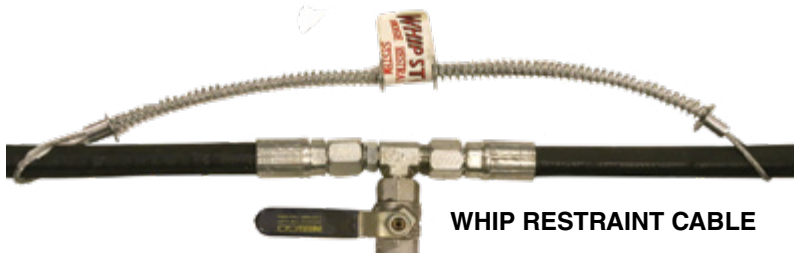
WINCHLINE WITH TAIL CHAIN



WIRE ROPE SLINGS



CHAIN SLINGS



WHIP RESTRAINT CABLE



ENDLESS ROUND SLINGS



SAFETY ANCHOR SHACKLE



WIRE ROPE



TAIL BOARD BLOCK



RATCHET LOAD BINDER



BINDER CHAIN



SNATCH BLOCK WITH SHACKLE



SNATCH BLOCK WITH HOOK



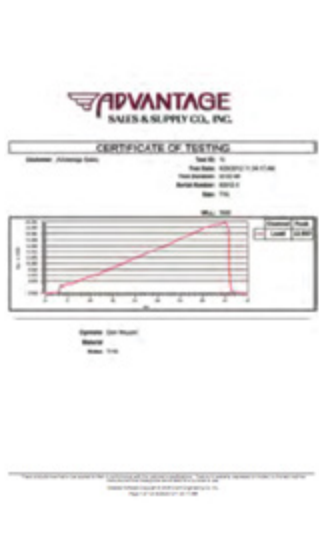
CHAIN RECERTIFICATION



BLOCK TESTING



MOBILE TESTING UNIT



OUR CERTIFICATE OF TESTING



WIRE ROPE GRIPS FOR LONGER WIRE ROPES



COMPARATIVE TESTING



WE HAVE STATE OF THE ART TEST BEDS



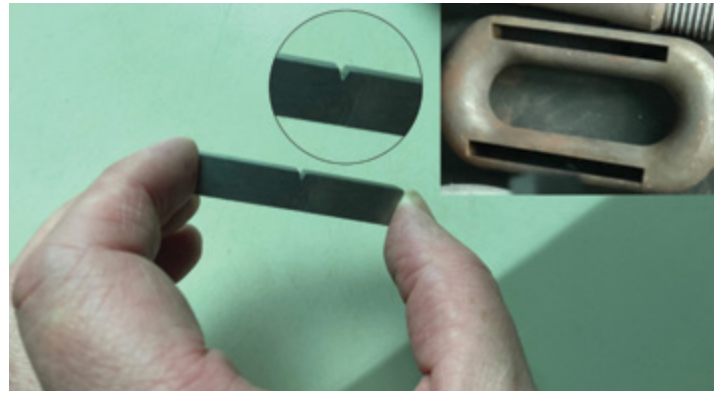
LOAD PIN CRACK DETECTION AND INSPECTION



HARDNESS



SALT SPRAY



CHARPY V-NOTCH TESTING



RAW MATERIAL TESTING



LOW TEMPERATURE IMPACT TESTING



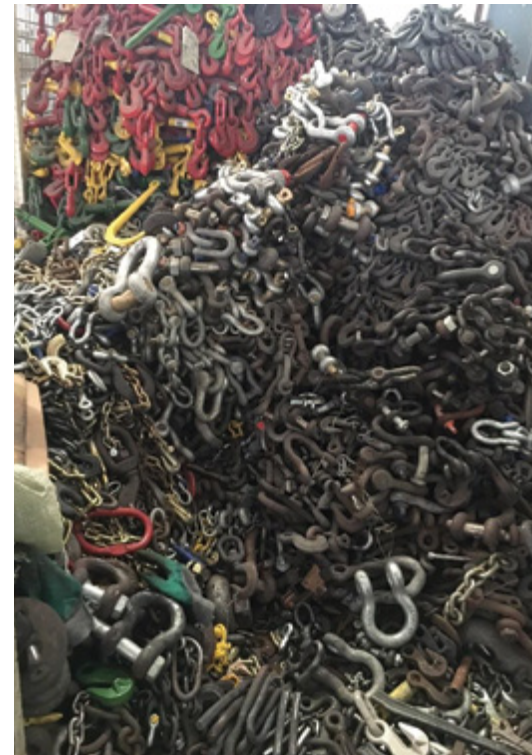
MOBILE VACUUM LIFTER TESTING



OUR TECHNICIAN IN THE FIELD



CYCLE TESTING - 20,000 CYCLE MINIMUM



WE TEST EVERYTHING!



BEAM 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 it's 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

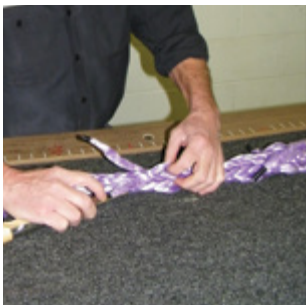
If you are in need of a certified lifting chain, Grade 70 tie-down binder chain, cut lengths of Grade 30 Proof Coil or trailer safety chains, our chain shop can accommodate you. Our top quality components and careful fabrication get you the right chain products to get the job done. All of our chain products 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 it's 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!!!



UHMWPE ROPE FABRICATION

UHMWPE HIGH STRENGTH ROPE FABRICATION

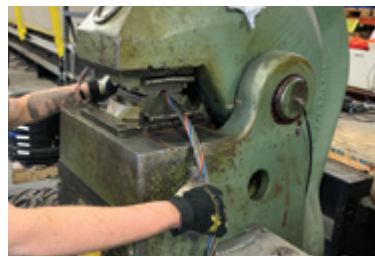
These winchlines and slings offer a high strength, light weight alternative to wire rope. These ropes are hand spliced in house by our skilled technicians. UHMWPE is great for river and oilfield applications and is one of the safest products on the market. They are not recommended for applications where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



TRAILER SAFETY CHAIN 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.



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.



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.



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'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.

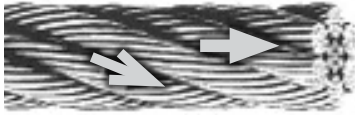


DRUM CRUSHING is caused by small drums, high loads and multiple winding conditions.

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

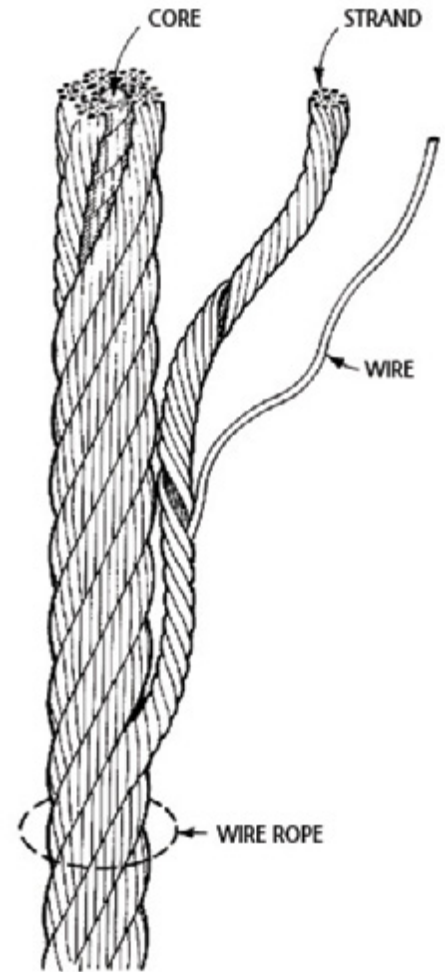


Strands wound to the left around the core. (regular lay shown)

Alternate Lay



Alternate strands of right regular lay and right lang lay.



KEY





WELD SPATTER



GOUGED LINKS



WORN LINKS



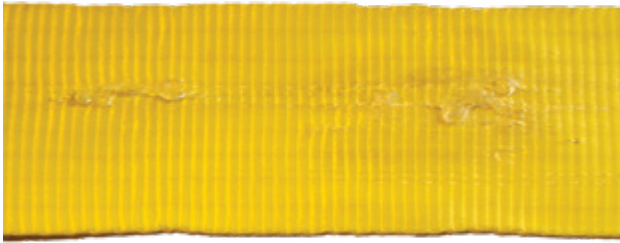
STRETCHED CHAIN LINKS



HEAT



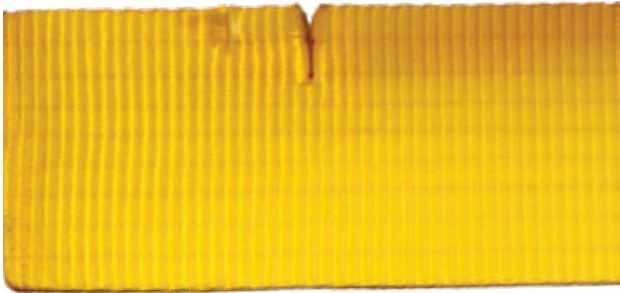
BENT LINKS



SNAGS



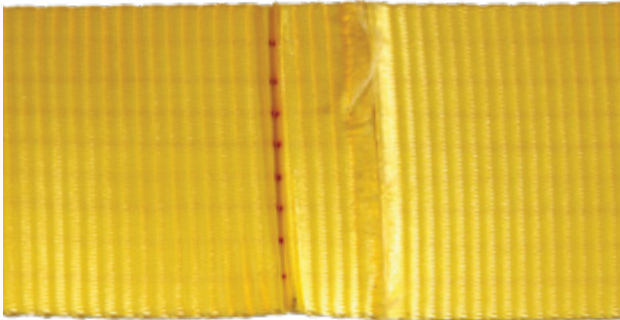
EDGE BLOWOUT



CUT ON EDGE



TENSION BREAK
LOOSE THREAD



SLICE ON FACE

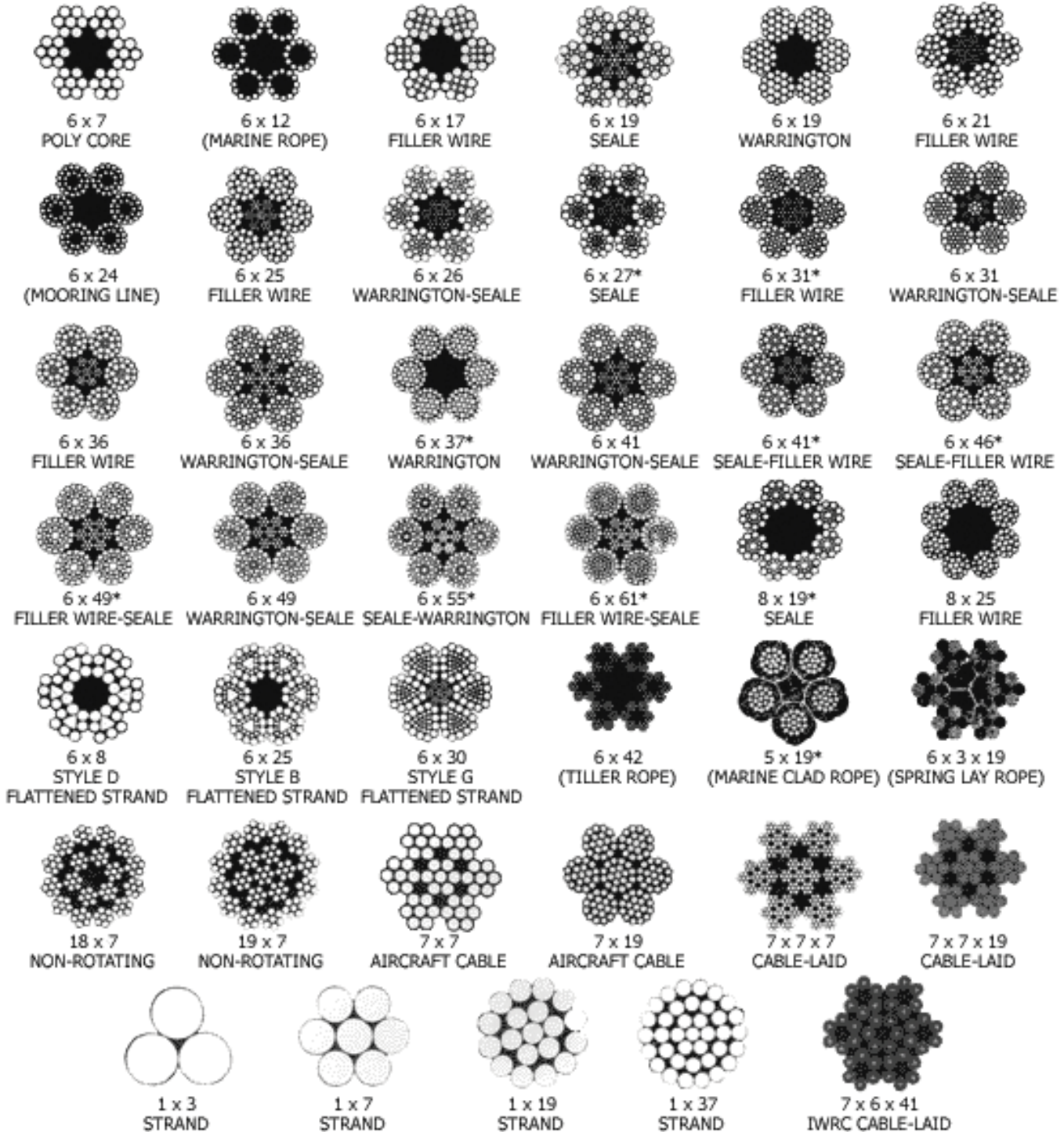


ABRASIVE RUB



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) 882-1167

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

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LIFSTAR™	78-80
X100®	36-37, 40, 46-48, 52, 89

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COMPANY ADDRESS	_____	ACCOUNTS PAYABLE PHONE	_____
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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	_____
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CONTACT PERSON	_____

COMPANY NAME	_____
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CONTACT PERSON	_____

COMPANY NAME	_____
PHONE	_____ FAX _____
CONTACT PERSON	_____

BANK INFORMATION

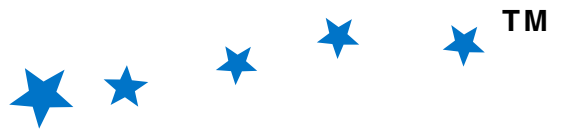
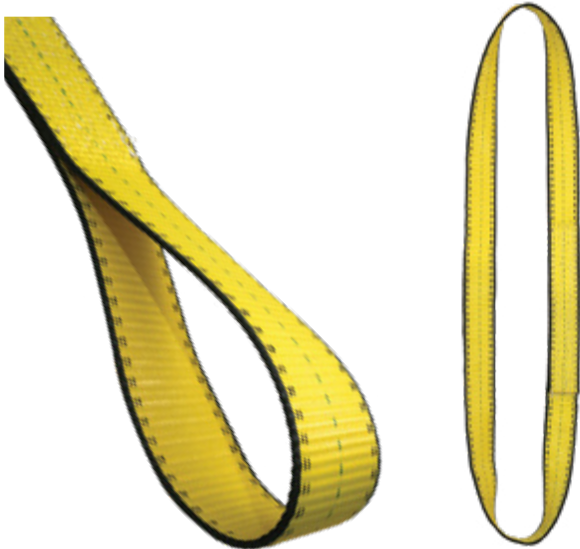
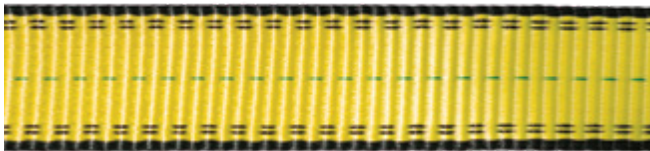
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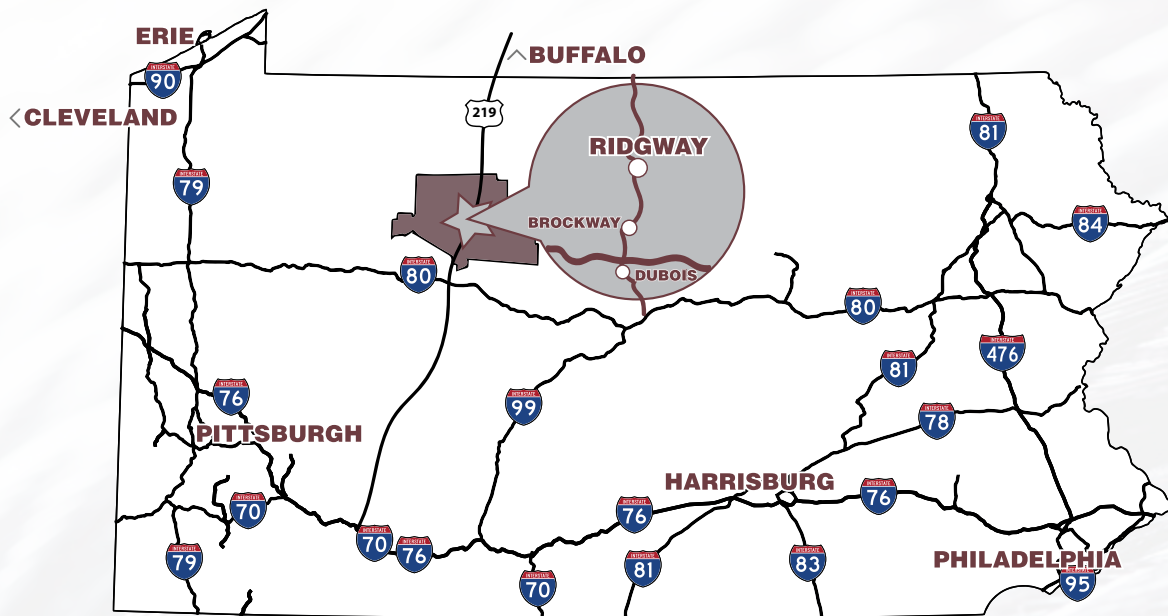


LIFSTAR

CHAIN FALLS & LEVER HOISTS



ADVANTAGE SALES & SUPPLY CO., INC.



ADVANTAGE SALES & SUPPLY, INC.

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2022
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