

WARRANTY

Products manufactured by Coastal Line Products (CLP) are warranted to be of good workmanship and material for a period of three years from date of delivery. This warranty applies only to products that are used as intended by the manufacturer. At CLP's option, any product or parts claimed to be defective must be returned to CLP. CLP is responsible for freight charges on defective parts or products returned at CLP's request. This warranty is limited to the replacement or repair of the products or parts but does not include labor or installation. There are no warranties expressed or implied (and specifically no warranty of fitness or merchantability). CLP shall not be liable for any other claim or damage and shall not be liable for incidental or consequential damages.

TERMS AND CONDITIONS OF SALE

GENERAL

Prices, terms and conditions, and warranty are subject to change without notice. Orders will be shipped using the prices, warranty, and terms and conditions in effect at the time the order was placed.

SPECIFICATIONS

All specifications shown are subject to normal manufacturing tolerances and acceptable handling and inspection procedures prior to and during installation and subsequent use of the product. Designs and dimensions are subject to change without notice.

CANCELLATION

An order once placed and accepted by CLP can be cancelled only with CLP's consent and under terms which indemnify CLP against loss. Orders for specials products, or standard goods in quantities larger than normal inventory may not be cancelled.

CREDIT And PAYMENT TERMS

Normal terms are Net 30 Days.

Open accounts will be extended to qualified customers with an initial order of \$500.00 or more. Master Card, Visa, C.O.D., C.I.A. terms are available for customers not on open account and ordering less than \$500.00.

FREIGHT CHARGES

All products are shipped F.O.B. shipping point. Unless otherwise specified, products will normally be shipped over land or water, best way.

CLAIMS

Damage or loss during shipment must be reported to the freight carrier and CLP within 15 days of receipt. CLP will assist in replacing products and filing claims. Any other discrepancies must be reported to CLP within 15 days.

RETURNS

Returned products must have a Returned Material Authorization (RMA) number issued by CLP within 90 days of delivery. A 10% re-stocking charge will be made on stock items. Goods must be received in the same condition as when shipped from CLP. Special products may not be returned. All returns must be prepaid.

MINIMUM ORDERS

Orders less than \$100.00 will be assessed a \$20.00 handling fee.



2510 Allen Avenue, SE • Canton, OH 44711 • USA

Phone: 800-966-4210 or 330-588-8709

Fax: 866-551-8700 or 330-588-8700

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Coastal Line Products Alphabetical Index

	Section	Page
All Thread	06	12
Anchor Rod Extension	03	24
Anchor Rods, Strand Eye	03	2
Anchor Shaft Extension	03	5
Anchors, Multi Helix	03	5
Angle Thimble Eyelet	03	20
Angle Thimble Eyebolt	03	21
Angle Cross Arm Brace	13	3
Angle Guy Hooks	03	7
Apparatus Mounting Brackets	12	13
Aramid Messenger Cable Fittings	14	2
Ball Clevis	13	6
Banding	08	2
Banding Tools	08	5
Bayonets, Ground Wire	12	7
Bolts	6	
Bolt Eyes	03	20
Brackets	12	
Bronze Messenger Cable	01	3
Buckles	08	4
CAB Rings	11	3
CAB Saddles	11	2
Cable Extension Arms	12	9
Cable Guard	16	2
Cable Messenger Hanger	03	25
Cable Spacer	16	2
Center Sleeve	16	3
Clamps, Lashing Wire	03	15
Clevises, Eyelet	12	10
Conduit	09	2
Conduit Hubs & Couplings	09	2
Connecting Links	12	11
Corner Construction Bracket	12	5
Cotter Bolts	06	11
Cotter Pins	06	11
Couplings	09	2
Cross Arm Brace	12	2
Crossover Clamp	03	18
Cross Plate Anchors	03	24
Cutout Mounting Bracket	12	8
Cutout Arrestor Combination Bracket	13	10

Coastal Line Products Alphabetical Index

	Section	Page
Dead Ends	02	1
Double Link	13	2
Double Link Twisted	13	2
 Extension Coupler	 03	 6
Extension Straps	12	3
Extension, Ground Rod Driver	11	3
Extension Rods	03	4
Extension Links	12	11
Eye Nut Weldless	03	9
 Fasteners	 06	
Flat Cross Arm Brace	12	2
Fiber Optic Cable Hardware	14	
Forged Stainless Open Body	04	2
Formed Wire Products	02	
 Ground Rod Driver	 10	 3
Ground Rod Extension	10	3
Ground Rods	10	2
Ground Wire Clips	03	19
Ground Wire Molding	16	3
Guard Cable B	16	4
Guy Attachment	03	6
Guy Clamp	03	22
Guy Hook, Span Type	03	8
Guy Hooks	03	11
Guy Hardware	03	7
Guy Markers	16	8
Guy Strain Plates	03	23
 Hangers & Supports	 07	
Heavy Duty Insulator Pins	13	3
Helical Products	02	
Hex Nuts	06	9
House Brackets	12	12
Hub Guards	03	23
Hubs	09	2

Coastal Line Products Alphabetical Index

	Section	Page
Insulator Bracket	13	9
Insulator Hardware	13	
Insulator Pins, Heavy Duty	13	3
Insulator Pins, Long Shank	13	8
Insulator Pins, Primary Drop Wire	13	3
Insulator Pins, Short Shank	13	8
 Kevlar Messenger Cable Fittings	 14	 2
 Lag Screws	 06	 8
Lashing Rods	02	1
Lashing Wire	15	
Lashing Wire, Stainless	15	2
Lashing Wire, Silicon Bronze	15	3
Lashing Wire Clamp	15	4
Lead Pin Head Adapter	13	3
Lock Nuts	06	11
 Machined Closed Body Turnbuckles	 04	 3
Messenger Support Clamp	03	12
Messenger Suspension Clamp	03	13
Mounting Plate	07	6
Mounting Studs For Line Post Insulators	13	7
 Nuts	 06	
 Offset Pole Bracket	 12	 4
Oval Eye Screws	06	8
 Phasing Disc	 16	 9
Plates, Lift & Load	03	26
Pole Bands	12	3
Pole Bracket Extension	12	7
Pole Clamp	08	6
Pole Insulator, Mounting Studs	13	7
Pole Line Hardware	03	
Pole Top Extension	12	4
Pole Top Extension Pins	13	8
Pole Top Pins	13	8
Pole Top Brackets	13	12
Pole Bands, Rectangular	12	12

Coastal Line Products Alphabetical Index

	Section	Page
Racks, Secondary	13	12
Rings & Saddles	11	
Rock Anchor	03	3
Rock Anchor Extension	03	4
Rod Coupling, Threaded	03	24
 Saddles, Cab	 12	 3
Screw Anchor	03	3
Screw Buckles	08	3
Secondary Clevises (Spool Insulator Clevises)	13	4
Serpentine Messenger Clamp	03	14
Shackles	03	10
Silicon Upset Spool Bolts	13	2
Socket Eye Clevis Adapter	13	6
Socket Eye	03	9
Span Clamp	03	18
Spiral Wrap	15	10
Square Nuts	06	9
Squirrel Guard	16	9
Stainless Ground Rods	10	2
Stainless Ground Rods, Sectional	10	2
Stainless Lashing Wire	15	2
Stand Off Brackets	13	11
Standard Cable Rings	11	3
Straight Thimble Eye Bolt	03	21
Strand	01	2
Strand Splices	02	1
Strapping	08	2
Suspension Clamps	03	13
Swivels	05	2

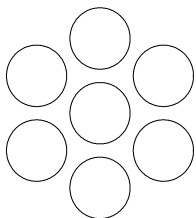
Coastal Line Products Alphabetical Index

	Section	Page
Thimble Eye Bolt, Angle	03	21
Thimble Eye Bolt, Straight	03	21
Thimble Eye Nut	03	17
Thimble Eye Nuts (PISA)	03	4
Thimble, Wire Rope	03	17
Transformer Pin, Lead Adapter	13	12
Transformer Cluster Mounting Bracket	12	6
Transformer Adapter Plates	12	6
Transformer Mounting Plate	12	6
Tree Guard	16	4
Triplex Support Bracket	14	7
Turnbuckles, Open Body	04	2
Turnbuckles, Closed Body	04	3
Washers	06	10
Wing Seals	08	3
Wire Rope Clips	03	16

Coastal Line Products Section Index

Section 01

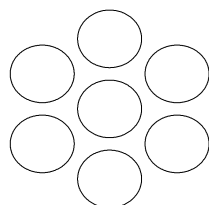
Page	Strand
2	1x7 Strand
3	1x7 Bronze Messenger Cable



1x7

Preformed Stainless Steel Strand
Non-Flexible Type 302 / 304

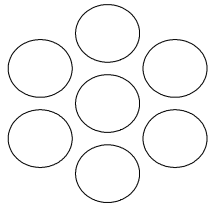
Catalog Number	Strand Diameter	Strand Weight Per 1000 Ft. Lbs.	Minimum Break Strength
40101005	3/64	5.5	375
40101006	1/16	8.5	500
40101008	5/64	14	800
40101009	3/32	20	1200
40101011	7/64	27	1480
40101012	1/8	35	1830
40101015	5/32	55	2900
40101018	3/16	73	3900
40101021	7/32	106	6300
40101025	1/4	137	8500
40101028	9/32	176	10700
40101031	5/16	205	13200
40101037	3/8	300	18000
40101043	7/16	400	26000
40101050	1/2	562	33700
40101056	9/16	728	43750
40101062	5/8	871	50250



1x7

Preformed Stainless Steel Strand
Non-Flexible Type 316

Catalog Number	Strand Diameter	Strand Weight Per 1000 Ft. Lbs.	Minimum Break Strength
60101018	3/16	73	3430
60101021	7/32	106	5700
60101025	1/4	137	7650
60101028	9/32	176	9650
60101031	5/16	205	11900
60101037	3/8	300	16200
60101043	7/16	400	23400
60101050	1/2	562	30200
60101056	9/16	728	39620
60101062	5/8	871	48000



Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable

Catalog Number	Diameter	Approximate Weight Per 1000 (In. Lbs.)	Minimum Break Strength (In. Lbs.)	Fine Wire Diameter
10101025	1/4	131	4,425	.080
10101031	5/16	221	7,450	.104
10101037	3/8	312	10,700	.120
10101043	7/16	431	13,840	.145
10101050	1/2	560	17,500	.165

Note:

Hardware, Lashing Wire, Lashing Rods and Formed Wire Products are available in Silicon Tin Bronze.
Please call for specifications, pricing and availability.

Coastal Line Products Section Index

Section 02

Formed Wire Products

Page

2

Dead End Grips

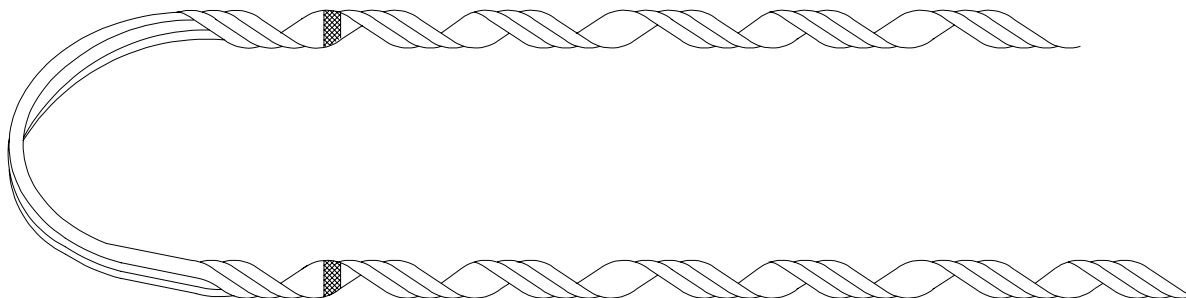
3

Stainless Strand Splices

4

Lashing Rods

Type 316 Stainless Steel Dead End Grips



For use on Stainless Steel Strand

Catalog Number	Per Carton		Applied Length	Color Code	Rated Strength	Strand	
	Units	Wt. Lbs.				Size	Type
60201025	100	53	26	YELLOW	7,500	1/4	3W-7W
60201028	100	58	27	BLACK	9,600	9/32	3W-7W
60201031	50	41	31	ORANGE	11500	5/16	3W-7W
60201037	50	62	37	GREEN	16200	3/8	3W-7W
60201043	25	55	43	RED	24000	7/16	3W-7W
60201050	20	60	50	BLUE	30000	1/2	7W-19W
60201056	10	50	60	YELLOW	35000	9/16	7W-19W
60201062	10	67	65	BLACK	44000	5/8	7W-19W

(Left Hand Lay)

* All Dimensions in chart are in inches

Stainless Strand Splice For Use on Left Hand Lay Strand



Type 316 Stainless Steel Strand Splices For Use on Stainless Steel Strand 316

Catalog Number	Applications	Per Carton		Length	Subset	Rod Dia	Color Code	Rated Strength	Strand		
		Units	Wt. Lbs						Size	Type	Mean Dia.
60202025	1/4	50	40	38	4-4	.100	YELLOW	7000	1/4	3W	.259
										7W	.240
60202028	9/32	50	50	40	3-3-3	.100	BLACK	10000	9/32	7W	.279
60202031	5/16	25	32	44	3-3-4	.100	ORANGE	12000	5/16	3W	.312
										7W	.327
60202037	3/8	25	50	53	4-4-3	.114	GREEN	17000	3/8	3W	.356
										7W	.360
60202043	7/16	20	50	60	3-4-4	.138	RED	23000	7/16	7W	.435
60202050	1/2	10	42	68	4-4-4	.138	BLUE	29000	1/2	7W	.495
										19W	.500
60202056	9/16	10	60	80	4-4-4	.159	YELLOW	37000	9/16	7W	.564
										19W	.564



Materials:

Rod available in 316 Stainless & Bronze

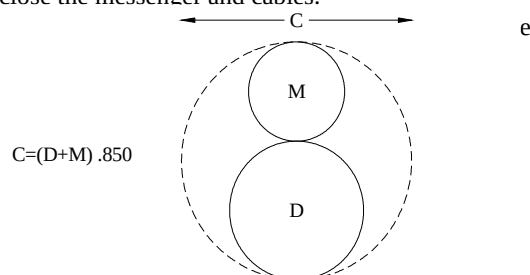
Color Code - Identifies Size

General recommendations:

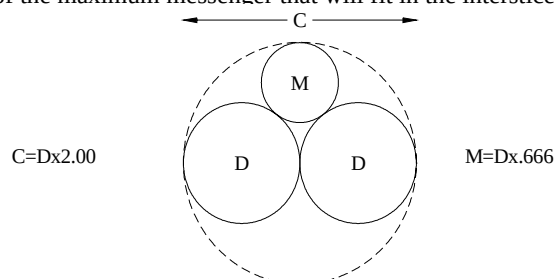
Lashing Rods are intended for use on messenger overhead cables. They are particularly adaptable to spans obstructed by trees or short spans over traffic intersections.

Size Selection:

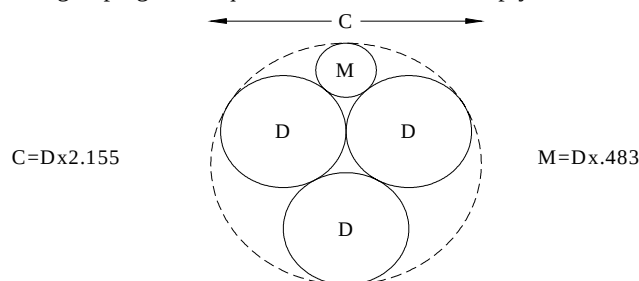
In selecting the proper size lashing rod it is necessary to determine the smallest circumscribing circle that will enclose the messenger and cables.



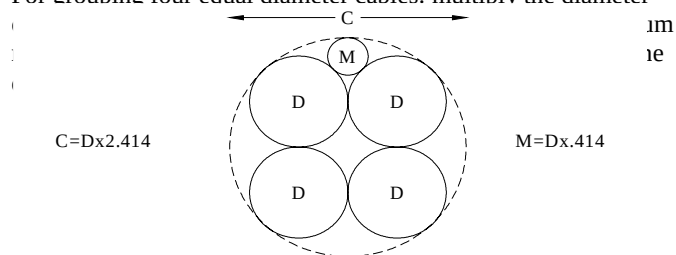
For grouping two equal diameter cables: multiply the diameter of one cable times 2.00. Then to find the diameter of the maximum messenger that will fit in the interstices of



For grouping three equal diameter cables: multiply the diameter



For grouping four equal diameter cables: multiply the diameter



For grouping unequal diameter cables, or messenger too large to fit into the interstices above, the minimum diameter grouping can best be determined by a graphic layout to scale.

Application- Inspection:

The smaller inside diameter of the proper size lashing rod should exert a low radial pressure on the cables and messenger. For most installations, one lashing rod should be applied, overlapping one pitch length with each successive rod. Two lashing rods, applied 180 degrees apart are recommended when the cable messenger assembly weighs more than 8 pounds per foot, or at installations where the angles of sag exceed 20 degrees from the horizontal.

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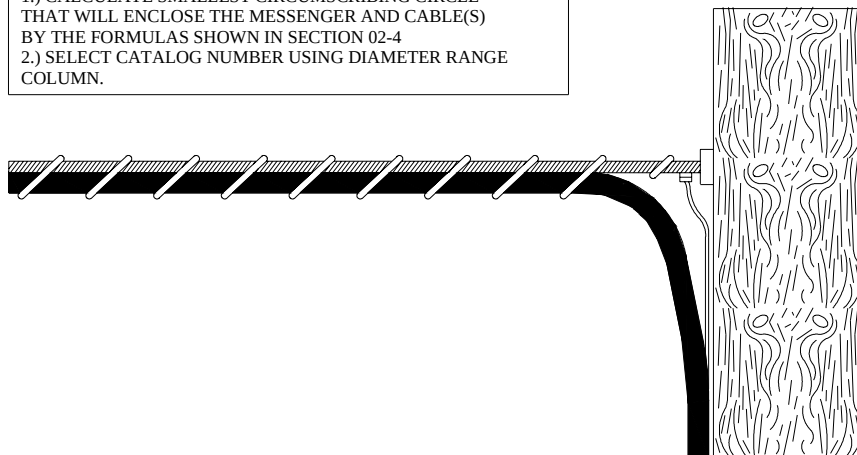
info@coastallineproducts.com

Lashing Rods

For use on: Stainless Steel Messenger Cables

(Not a stock item. Made to order only, also available in Bronze)

HOW TO ORDER
1.) CALCULATE SMALLEST CIRCUMSCRIBING CIRCLE
THAT WILL ENCLOSE THE MESSENGER AND CABLE(S)
BY THE FORMULAS SHOWN IN SECTION 02-4
2.) SELECT CATALOG NUMBER USING DIAMETER RANGE
COLUMN.



Catalog Number	Diameter Range (Inches)	Units Per Carton	Carton Weight (Lbs.)	Length (Ft.)	Rod Diameter (Inches)	Color Code
60204040	.400-.439	100	13	5	.086	RED
60204044	.440-.489	100	13	5	.086	WHITE
60204049	.490-.539	100	13	5	.086	ORANGE
60204054	.540-.599	100	13	5	.086	GREEN
60204060	.600-.669	100	17	5	.100	YELLOW
60204067	.670-.749	100	17	5	.100	WHITE
60204075	.750-.839	100	17	5	.100	RED
60204084	.840-.939	100	17	5	.100	WHITE
60204094	.940-1.049	100	17	5	.100	ORANGE
60204105	1.050-1.169	100	24	5	.119	GREEN
60204117	1.170-1.309	100	24	5	.119	YELLOW
60204131	1.310-1.459	100	24	5	.119	WHITE
60204146	1.460-1.629	100	37	6	.138	RED
60204163	1.630-1.819	100	37	6	.138	WHITE
60204182	1.820-2.039	100	37	6	.138	ORANGE
60204204	2.040-2.279	100	52	6	.159	GREEN
60204228	2.280-2.539	100	54	6	.159	YELLOW
60204254	2.540-2.839	100	56	6	.159	WHITE
60204284	2.840-3.179	100	58	6	.159	RED
60204318	3.180-3.559	50	34	6	.172	WHITE
60204356	3.560-3.999	50	35	6	.172	ORANGE
60204400	4.000-4.479	50	36	6	.172	GREEN
60204448	4.480-4.999	50	37	6	.172	YELLOW
60204500	5.000-5.599	50	38	6	.172	WHITE
60204560	5.600-6.299	50	39	6	.172	RED

Coastal Line Products Section Index

Section 03

Pole Line Hardware

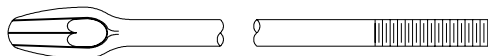
Page	
2	Anchor Rods, Strand Eye
3	Screw Anchor
3	Rock Anchor
4	Rock Anchor Extensions
4	Thimble Eye Nuts (PISA)
4	Extension Rods (PISA)
5	Multi Helix Square Shaft Anchors, Triple Helix
5	Anchor Shaft Extensions
6	Guy Attachments
6	Extension Coupler
7	Guy Hardware
8	Guy Hook, Span Type
8	Ball Clevis
9	Eye Nut Weld less
9	Socket Eye
10	Shackles
11	Guy Hooks
12	Messenger Support Clamp
13	Messenger Suspension Clamps
14	Serpentine Messenger Clamp
15	Lashing Wire Clamp
16	Wire Rope Clips
17	Thimble, Wire Rope
17	Thimble Eye Nut
18	Crossover Clamp
18	Span Clamp
19	Ground Wire Clips
20	Angle Thimble Eyelet
20	Bolt Eyes
21	Straight Thimble Eye Bolt
21	Angle Thimble Eye Bolt
22	Guy Clamp
23	Hub Guards
23	Guy Strain Plates
24	Rod Coupling, Threaded
24	Anchor Rod Extension
24	Cross Plate Anchors
25	Cable Messenger Hanger
26	Plates, Lift & Load

Anchor Rods, Strand Eye (Stainless Steel Type 316)

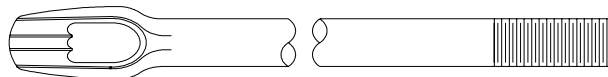
Rolled threads are furnished on all rods up to and including 3/4" diameter. One inch and larger threads have cut threads. Length of threads 3 1/2". Manufactured to ANSI standards. All eyes shown below to be furnished with one square nut.



DETAIL "A"
SINGLE EYE



DETAIL "B"
DOUBLE EYE



DETAIL "C"
TRIPLE EYE

Single Eye

Catalog Number	Diameter Rod	Minimum Strength (Lbs.)	Length (Ft.)	Approximate Weight (Lbs. 100 Pieces)	Detail
60301650	1/2	10000	6	450	A
60301662	5/8	16000	6	664	A
60301862	5/8	16000	8	830	A
60301875	3/4	23000	8	1245	A

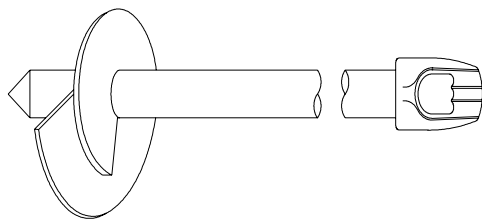
Double Eye

Catalog Number	Diameter Rod	Minimum Strength (Lbs.)	Length (Ft.)	Approximate Weight (Lbs. 100 Pieces)	Detail
60302662	5/8	16000	6	690	B
60302862	5/8	16000	8	840	B
60302675	3/4	23000	6	970	B
60302875	3/4	23000	8	1403	B
60302075	3/4	23000	10	1520	B
60302899	1	36000	8	2310	B
60302099	1	36000	10	2895	B

Triple Eye

Catalog Number	Diameter Rod	Minimum Strength (Lbs.)	Length (Ft.)	Approximate Weight (Lbs. 100 Pieces)	Detail
60303875	3/4	23000	8	1255	C
60303899	1	36000	8	2310	C
60303099	1	36000	10	2895	C
60303012	1 1/4	58000	10	4620	C

Screw Anchor

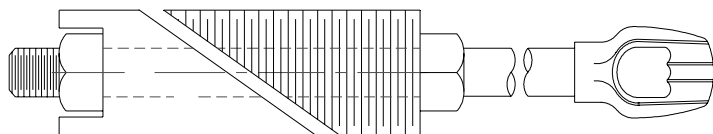


Part Number	Blade Diameter	Rod Size	Approx Strength Dry Clay	Std Pkg.	Shipping Wgt. Lbs 100 Pieces
60327001	6	3/4" x 5'-6"	5000 Lbs	5	1050
60327002	8	1" x 5'-6"	8000 Lbs	2	8000

- * Material: Stainless Steel Type 316
- * Rod equipped with welded sharp stainless steel blades
- * Large triple eye to take 1" bar for hand installation
- * Blade pitched to bite correctly into soil without undue earth disturbance
- * Chisel point is provided to aid installation

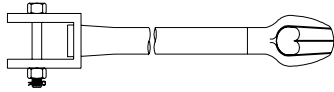
Rock Anchors Stainless Steel Type 316 (Complete with Rods)

The rock anchor fits into a hole 1-7/8" or 2-3/8" and expands and wedges firmly against solid rock. When the anchor is expanded, the greater the pull on the rod, the harder the anchor becomes wedged. No lead, concrete, or grouting equipment is necessary. Furnished complete with 3/4" and 1" in rods, 15" to 8 ft. in length. When ordering galvanized steel parts replace the "6" with a "7" on the catalog number.



Catalog Number	Rod Dia. (Inches)	Rod length (Inches)	Anchor Size Closed (Inches)	Anchor Size Exposed (Inches)	Hole Size (Inches)	Approx. Weight (Lbs. Each)
60328003	3/4	15	1 3/4	2 3/8	1 7/8	5
60328004	3/4	30	1 3/4	2 3/8	1 7/8	7
60328005	3/4	53	1 3/4	2 3/8	1 7/8	10
60328006	3/4	60	1 3/4	2 3/8	1 7/8	11
60328007	3/4	72	1 3/4	2 3/8	1 7/8	12
60328008	3/4	84	1 3/4	2 3/8	1 7/8	13
60328009	3/4	96	1 3/4	2 3/8	1 7/8	15
60328010	1	15	2 1/4	3 1/8	2 3/8	10
60328011	1	30	2 1/4	3 1/8	2 3/8	14
60328012	1	53	2 1/4	3 1/8	2 3/8	18
60328013	1	72	2 1/4	3 1/8	2 3/8	24
60328014	1	84	2 1/4	3 1/8	2 3/8	26
60328015	1	96	2 1/4	3 1/8	2 3/8	29

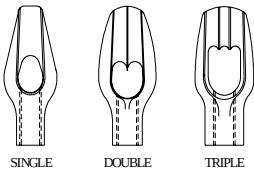
Rock Anchor Extensions



Part Number	Rod Diameter	Length	Load (Lbs.)	Shipping Wgt. Lbs./100 Pieces	Std. Pkg.
60329362	5/8	3'-0"	12500	500	10
60329375	3/4	3'-0"	18500	750	10
60329475	3/4	4'-0"	18500	850	5
60329575	3/4	5'-0"	18500	1000	5

- * Stainless Steel Type 316
- * C.S.A. Standard
- * Safety bolts 3/4" x 4-1/2" included
- * Used where rock formation is near surface
- * Drop forged with the clevis swedged to rod
- * Double thimble eye for one or two guy strand wires

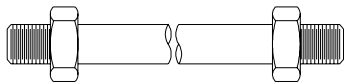
Thimble Eye Nuts (PISA)



Size (Inches)	Part Numbers		
	Single Eye	Double Eye	Triple Eye
5/8" (5/8" Rod)	60330001	60330003	60330005
1" (3/4" & 1" Rod)	60330002	60330004	60330006
1 1/4"	---	---	60330007

- * Stainless Steel Type 316
- * Drop Forged

Extension Rods (PISA)

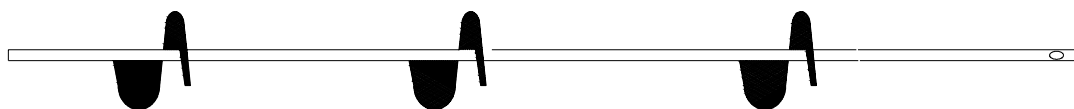


Part Number	Rod Size		Thread Dia.	Std. Packaging	Shipping Wgt. Lbs. 100 Pieces
	Dia.	Length			
60340762	5/8	7'-0"	5/8	10	750
60340775	3/4	7'-0"	1	10	1085
60340799	1	7'-0"	1	5	1875
60340462	5/8	3'-6"	5/8	10	400
60340475	3/4	3'-6"	1	10	585
60340499	1	3'-6"	1	5	985

- * Stainless Steel Type 316

Multi Helix Square Shaft Anchors, Triple Helix

Material: 316 Stainless Steel



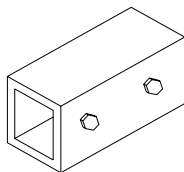
Helixes	Catalog Number
8" , 10" , & 12"	60304001
Three 10"	60304002

Anchor Shaft Extensions



Anchor Shaft Extensions 1-1/2" Square with Upset Coupling and High Strength Bolt	
Catalog Number	Length (Feet)
60305003	3.5'
60305005	5
60305007	7
60305010	10

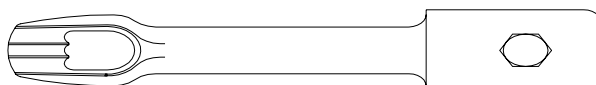
Extension Coupler



Extension Coupler Cast 17-4 PH Stainless
Catalog Number (60304003)

Guy Attachment with High Strength Bolt

Material: 316 Stainless Steel



Catalog Number	Description
60306300	Triple Eye With Upset Coupling

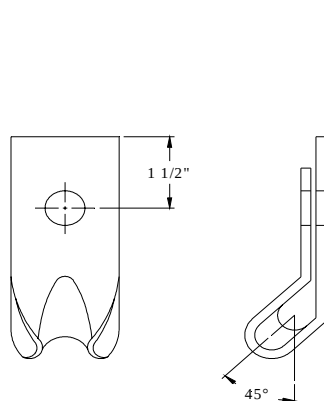
Note:

Above for 1-1/2" square and 1-1/4" round , may be used with single and double guys.

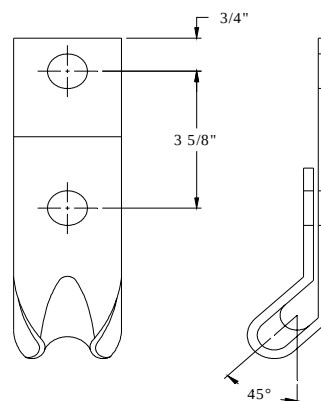
Guy Hardware

Material: Stainless Steel Type 316 or Silicon Bronze

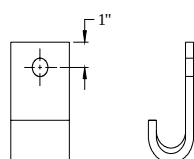
Angle guy attachments are made of flat stainless steel. The strand bearing surface is rounded to provide protection to the strand without the use of a guy thimble.



DETAIL "A"



DETAIL "B"



DETAIL "C"

Guy Hooks:

Made from half oval steel bent with flat side toward pole, the rounded side prevents injury to guy strand.

Material: Type 316 Stainless Steel

Catalog Number	Detail Letter	Description	Dimensions (inches)		Approx. Wt. Lbs. 100 Pieces
			Bolt Hole	Size	
60307001	A	1-Bolt Type	11/16	1/4x2x4 1/8	114
60307002	A	1-Bolt Type	13/16	1/4x2x4 1/8	114
60307004	B	2-Bolt Type	9/16-13/16	1/4x2x7 1/4	150
60307005	C	1-Bolt Type	11/16	3/8x2x4	90

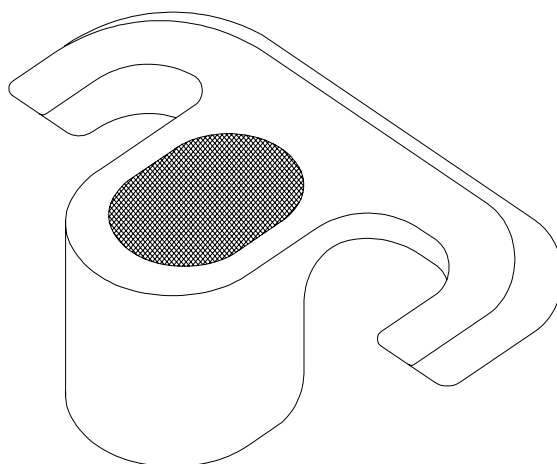
Material: Silicon Bronze

Catalog Number	Detail Letter	Description	Dimensions (inches)		Approx. Wt. Lbs. 100 Pieces
			Bolt Hole	Size	
10307001	A	1-Bolt Type	11/16	1/4x2x4 1/8	114
10307002	A	1-Bolt Type	13/16	1/4x2x4 1/8	114
10307004	B	2-Bolt Type	9/16-13/16	1/4x2x7 1/4	150
10307005	C	1-Bolt Type	11/16	3/8x2x4	90

Guy Hook, Span Type

For guy attachment use at angles 0° to 30° from horizontal

Material: Stainless Steel Type 316



Part Number	Max Thru Bolt Dia.	Max Guy Strand Dia.	Approx. Ship Wgt. Lbs. Per 100 Pieces
60344001	5/8"	1/2	66
60344002	Tapped 5/8-11	1/2	75
60344003	3/4	1/2	64
60344004	Tapped 3/4-10	1/2	73

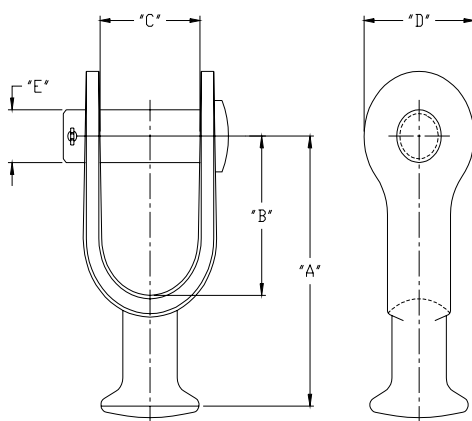
Ball Clevis

Specifications:

Material: AISI Type 316 Stainless Steel

Clevis pin, bent clevis bolt and nut, Aisi Type 316 Stainless Steel

Cotter pin: Stainless Steel.



Part Number: A60308100

Ultimate Breaking Strength: 30,000

For Insulator Class: ASA 52 3 & 5

Dimensions: A= 2 15/16

B= 1 9/16

C= 13/16

D= 1 11/16

E= 5/8

Weight (Lbs./C) = 110

Socket Eye

Catalog Number: 60315100

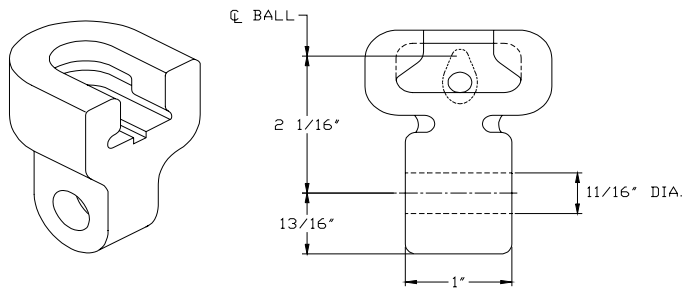
Specifications: Material: Body - AISI Stainless Steel Type 316

Cotter Pin: Stainless Steel

Note: Cotter pin included with each socket eye

Ultimate Breaking Strength: 30,000 (Lbs.)

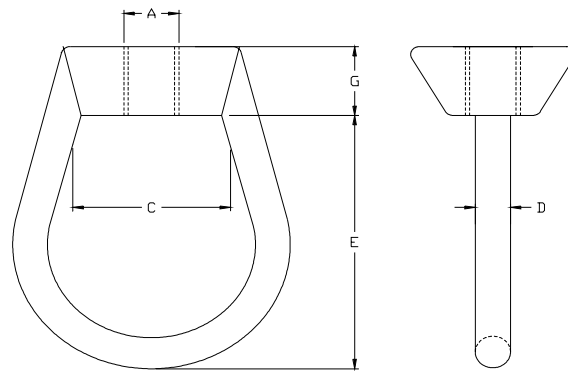
Approx. Weight (Lbs, each) :1.40



Eye Nut, Weldless

Material: Type 316 Stainless Steel or Type 655 Silicon Bronze

(See chart below for description)



Catalog Number		Rod Size A	Size Number	WLL Rated Load	Rod Take-Out	Max Pin Dia. C	D	E	G	Weight Per 100
316 Type	655 Type									
60310037	10310037	3/8	1	1250	1 1/2	1 3/16	1/2	2	11/16	63
60310050	10310050	1/2		2100						63
60310062	10310062	5/8		3600						62
60310075	10310075	3/4		5200						60
60310087	10310087	7/8	2	7200	2	1 5/8	3/4	2 5/8	1	170
60310099	10310099	1		9500						
60310125	10310125	1 1/4	3	12480	2 1/2	1 3/4	1	3 3/8	1 1/4	364
60310150	10310150	1 1/2		15400						345

Note: Working load limit for straight line pull only



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info@coastallineproducts.com

Shackles

Anchor Shackle

Catalog Number: 60318075

Specifications:

Material: AISI Type 316 Stainless Steel

Clevis Pin: AISI Type 316 Stainless Steel

Ultimate Breaking Strength: 60,000 Lbs.

Dimensions in inches A= 3 1/2

B= 3/4

C= 1 1/4

E= 3/4

F= 1 7/8

G= 1

Weight (Lbs./C) = 242

Screw Pin, Safety Pin

Specifications:

Material: Type 316 Stainless Steel

Note: Larger sizes, chain shackles, other pin styles and stainless grades can be furnished on special order.

Size "A"	Catalog Number		Dimensions (Inches)				
	Screw Pin	Safety	"B"	"C"	"D"	"E"	"F"
1/4	60316025	60317025	5/16	1 1/8	1/2	3/4	11/16
5/16	60316031	60317031	3/8	1 1/4	17/32	27/32	3/4
3/8	60316037	60317037	7/16	1 7/16	21/32	31/32	15/16
7/16	60316043	60317043	1/2	1 3/4	23/32	1 5/32	1 1/8
1/2	60316050	60317050	5/8	1 15/16	13/16	1 1/4	1 1/4
5/8	60316062	60317062	3/4	2 7/16	1 1/16	1 9/16	1 7/16
3/4	60316075	60317075	7/8	3	1 1/4	1 7/8	1 7/8
7/8	60316087	60317087	1	3 1/4	1 7/16	2 1/8	2
1	60316099	60317099	1 1/8	3 3/4	1 11/16	2 1/2	2 3/8

Size "A"	Catalog Number		Tolerance +/- (Inches)		Weight Each (Lbs.)	Working Load Limit (Lbs/ kg.)
	Screw Pin	Safety	Length	Width		
1/4	60316025	60317025	1/16	1/16	.10	450/204
5/16	60316031	60317031	1/16	1/16	.16	650/295
3/8	60316037	60317037	1/8	1/16	.20	1000/454
7/16	60316043	60317043	1/8	1/16	.50	1375/624
1/2	60316050	60317050	1/8	1/16	.72	1990/903
5/8	60316062	60317062	1/8	1/16	1.38	3000/1383
3/4	60316075	60317075	1/4	1/16	2.22	4475/2030
7/8	60316087	60317087	1/4	1/16	3.28	6000/2722
1	60316099	60317099	1/4	1/16	5.31	7950/3606

Note: Do not exceed working load limit



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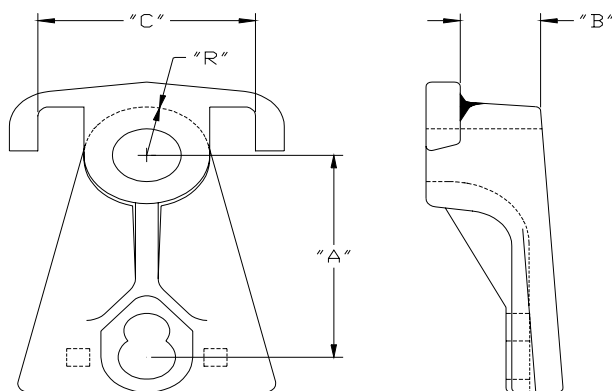
Fax: 866-551-8700 or 330-588-8700

info@coastallineproducts.com



Guy Hook

Material Specifications: Stainless Steel type 316



Catalog Number	Maximum Wire	Mounting Bolts	Dimensions (Inches)				Minimum Ultimate (Lbs.)
			"A"	"B"	"C"	"R"	
60313056	9/16	5/8 – 3/4	3	5/16	2 7/8	3/4"	20000
60313075	3/4	Top 1 – 7/8 Bottom 3/4 – 5/8 and/or 1/2 LS	4	1	3 7/16	7/8"	25000

- * Two spurs to resist pole splitting
 - More surface in contact with pole than other comparable guy attachments – greater protection to wood fibers.
- * For round or flat surfaces
- * Will intercept wire at any angle

Messenger Support Clamp

Material: Galvanized Steel

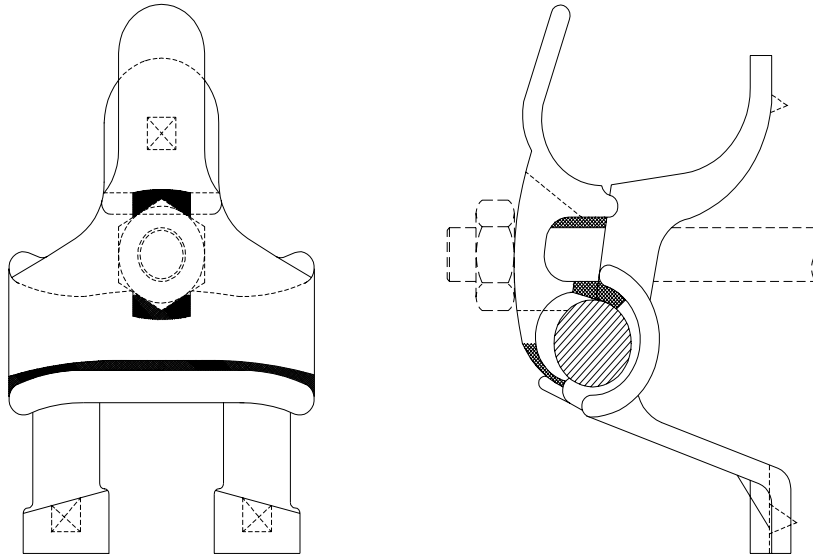
Catalog Number: A70314100

Equivalent To: Joslyn PA178

Mounting Bolt: 5/8"

Messenger Range: 0.35 – 0.75 Dia.

Pole To Messenger: 1-1/2"

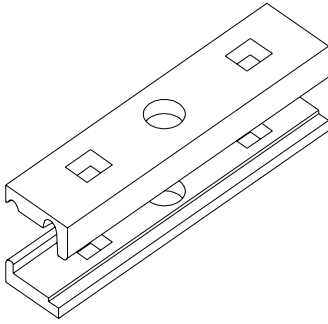


- * Hanger exceeds medium duty requirements EEI-NEMA standards for aerial cable hangers.
- * Has a hook to support cable during stringing operation.
- * Independent clamping ensures that the messenger remains secured if pole shrinkage occurs.
- * Curved grooved saddle for additional cable support.
- * The bottom lip groove moves to an upward position to support cable during installation.

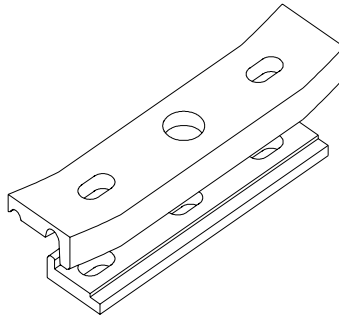
Messenger Suspension Clamps

Material: AISI Type 316 Stainless Steel

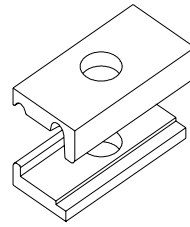
Specification sheets on following pages.



A60319200



A60319500



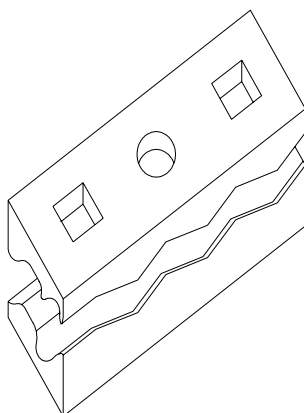
A60319100

Note: All hardware for above items are included.

Catalog Number	Description	Dimensions (Inches)			Approx Weight (Lbs.) / 100 Pcs.
		Strand Size	Length	Mtg. Hole	
A60319100	1-Bolt Straight	1/4 - 7/16	2 3/8	11/16	76
A60319200	3-Bolt Straight	1/4 - 7/16	5 3/4	11/16	224
A60319300	3-Bolt Straight	1/4 - 7/16	5 3/4	13/16	224
A60319400 *	3-Bolt Straight	3/8 - 3/4	5 3/4	13/16	224
A60319500	3-Bolt Curved	1/4 - 7/16	7 1/4	11/16	290
A60319600	3-Bolt Curved	1/4 - 7/16	7 1/4	13/16	375

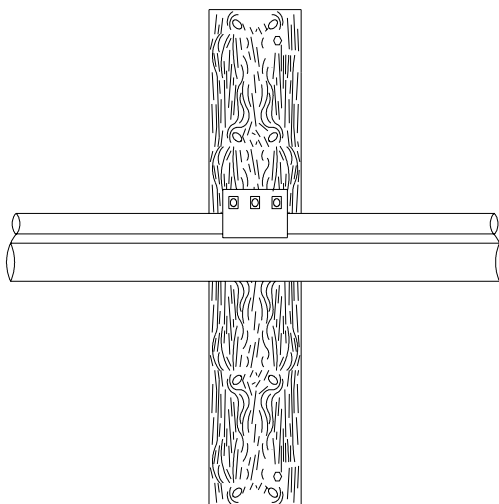
* Heavy Duty

Serpentine Messenger Clamp



Serpentine clamp for jacketed strand
Figure 8 messenger

The illustration above details the use of a cable clamp. The clamp has serpentine grooves to prevent slippage of jacket strand through the clamp. This clamp may be used on all straight line poles and at the corner with angles up to 30°. The clamp is installed without slitting the web.



Standard Pole Attachment Detail

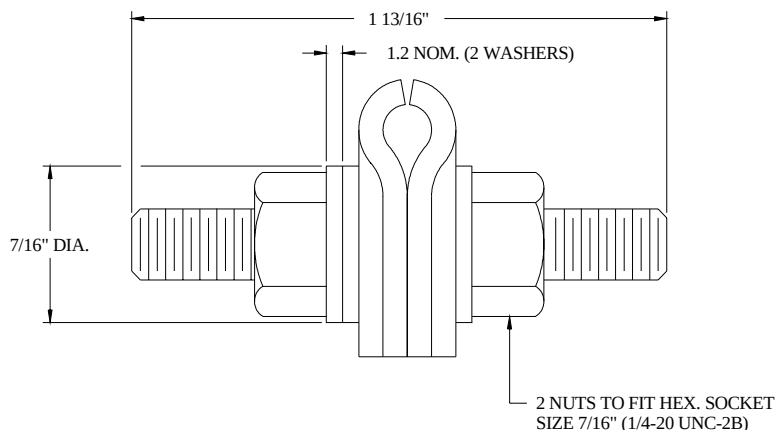
Part Number		Clamp Length (Inches)	Mounting Hole Dia, (Inches)	Strand Messenger (Diameter)
316 Stainless	Galvanized Ductile Iron			
60350025	70350025	6	11/16	.250
60350075	70350075	6 1/4	13/16	.50 - .75

Lashing Wire Clamp

Material: Stainless Steel Type 304

Catalog Number: A40325100

Note: Studs are staked to prevent nuts from coming off during packaging or shipment.



Stainless Steel Lashing Wire Clamp Specifications

Coastal Line Products Catalog Number: A40325100

1.) Scope:

This item standard is intended for use in conjunction with CSA standard CAN/CSA-C83. This item is normally mounted on messenger strand and is used to terminate cable lashing wire.

2.) Assembly:

The lashing wire clamp is comprised of two clamp sections, two flat washers, and two hex nut assemblies on a shouldered stud. The stud should key into one clamp section at assembly to prevent stud rotation as the nuts are tightened. This keying feature is constructed to allow proper closing of the jaws. Both ends of the stud should be suitably modified after assembly to prevent loss of the nuts.

3.) Accommodation:

The clamp will accommodate a range of stainless steel strand from 3/16" to 9/16" diameter designated strand size.

4.) Stud Strength

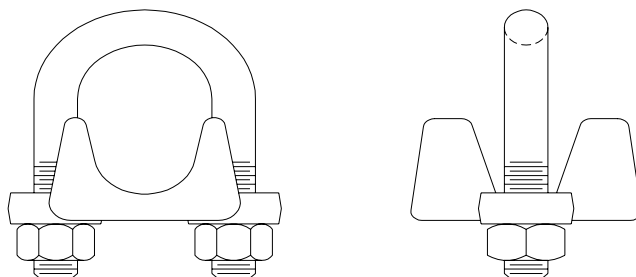
The stud will withstand without fracture a torque of 10 N*m and 15 N*m for minimum reusable and ultimate torque strength.

5.) Slip Strength Test:

The clamp shall be assembled to a suitably anchored length of strand of designated strand size No. 5, CSA Standard CAN3-G12, and the clamp nut is tightened to 10 N*m torque. A force of 1 kn, applied to the clamp, parallel to the strand, will cause less than 4mm movement between the clamp and strand.

Wire Rope Clips

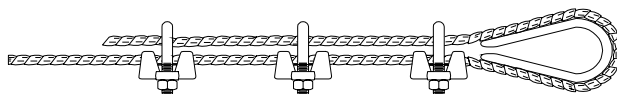
Stainless Steel Type 316 (Drop Forged)



Catalog Number	Size	Minimum Number Of Clips Required	Torque In Lbs. Ft.	Approx. Weight Each (Lbs.)	Amount of Rope To turn back
60324012	1/8	2	4.5	.05	3 1/4
60324018	3/16	2	7.5	.106	3 3/4
60324025	1/4	2	15	.19	4 3/4
60324037	3/8	2	45	.46	6 1/2
60324050	1/2	3	65	.68	11 1/2
60324062	5/8	3	95	1.0	12

* Based on clean, unlubricated threads.

Minimum torque required to reach max. holding power.



Below is the recommended method of applying U-bolt clips to get maximum holding power of the clip & is based on the use of proper size U-bolts on new rope.

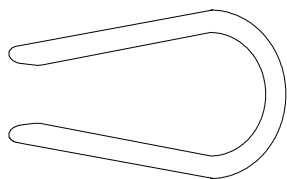
- 1.) Refer to above table in following these instructions. Turn back specified amount of rope from thimble or loop. Apply first clip, one based width from dead end of rope. Apply U-bolt over dead end of wire rope with live end resting in saddle. Tighten nuts evenly, alternating from one nut to the other until reaching the recommended torque.
- 2.) When two clips are required apply the second clip as near the loop or thimble as possible. Tighten nuts evenly, alternating until reaching the recommended torque. When more than two clips are required, apply the second clip as near the loop or thimble as possible, turn nuts on second clip firmly, but do not tighten. Proceed to step 3.
- 3.) When three or more clips are required, space additional clips evenly between first two-take up rope slack-tighten nuts on each U-bolt evenly, alternating from one nut to the other until reaching recommended torque.
- 4.) Apply first load to test the assembly. This load should be of equal or greater weight than loads expected in use. Next, check and re-tighten nuts to recommended torque.

(Reprinted from the Wire Rope Users Manual and the Wire Rope Technical Board.)

Wire Rope Thimbles

Standard Wire Rope Thimbles

Material: Stainless Steel type 302

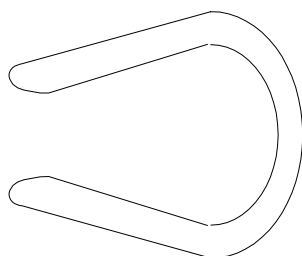


Catalog Number	Rope Diameter	Dimensions (Inches)			Weight Per 100 Lbs.
		Overall Thickness	Overall Length	Inside Width	
60323012	1/8	9/32	1 3/4	23/32	3
60323018	3/16	11/32	1 3/4	23/32	3
60323025	1/4	3/8	1 7/8	23/32	5
60323031	5/16	7/16	2 3/32	27/32	5
60323037	3/8	9/16	2 1/4	31/32	8
60323050	1/2	21/32	2 1/2	1 5/32	14

Note: Thimbles are not designed for load carrying purposes, therefore working load limits have not been established

Heavy Wire Rope Thimbles

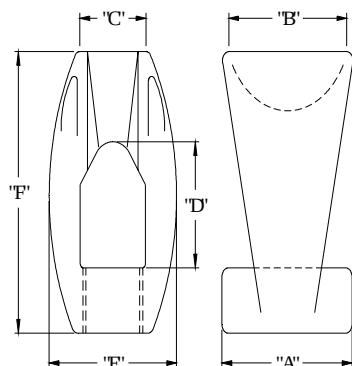
Material: Stainless Steel type 316



Catalog Number	Rope Diameter	Dimensions (Inches)			Weight Per 100 Lbs.
		Overall Thickness	Overall Length	Inside Width	
60322025	1/4	3/32	2 3/16	7/8	7.5
60322031	5/16	1/2	2 1/2	1 1/16	14
60322037	3/8	21/32	2 7/8	1 1/8	25
60322050	1/2	27/32	3 5/8	1 1/2	51
60322062	5/8	1	4 1/4	1 3/4	75
60322075	3/4	1 1/4	5	2	147

Note: Thimbles are not designed for load carrying purposes, therefore working load limits have not been established.

Thimble Eye Nut



Thimble Eye Nut

Material: Stainless Steel type 316 & Bronze

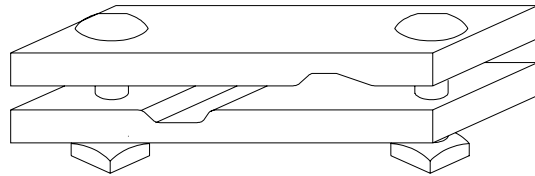
Catalog Number	Bolt Diameter	Dimensions (Inches)					
		"A"	"B"	"C"	"D"	"E"	"F"
60320062	5/8	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3
60320075	3/4	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3
10320062	5/8	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3
10320075	3/4	1 1/2	1 1/2	7/8	1 3/8	1 7/8	3

Crossover Clamps

Stainless Steel Type 316

Crossover Clamps for CATV or Telephone Cables

Crossover clamp
drop forged
shoulders to
provide support



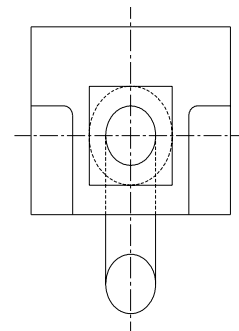
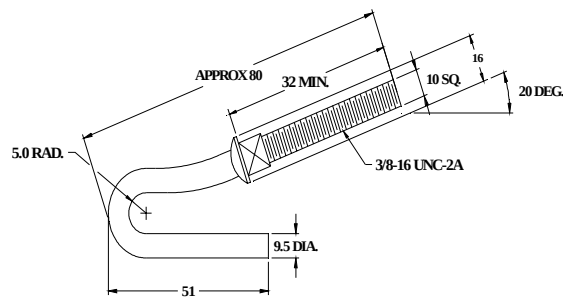
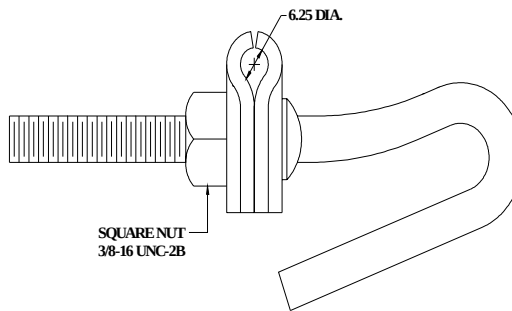
The
average oval
shape"

60331001	5/16 to 3/8	154
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Span Clamp

Material: Stainless Steel Type 316

Catalog Number: A60326100



STUD DETAIL

(ALL DIM. IN MM UNLESS OTHERWISE SPECIFIED)

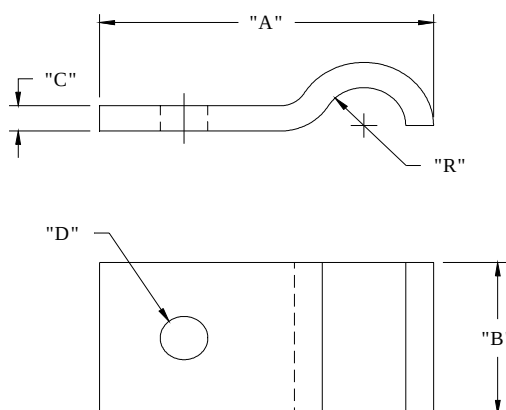


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Copper Ground Wire Clips



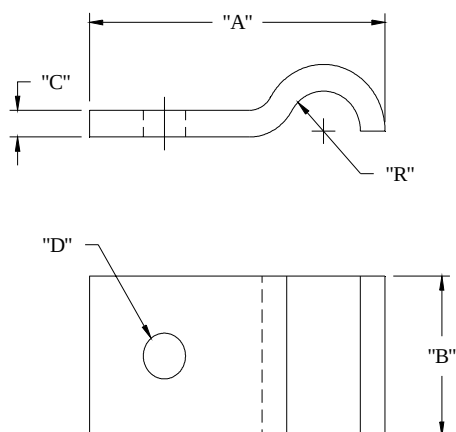
Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	"D" (Inches)	"R" (Inches)
10335001	1 1/2	3/4	1/8	9/32	3/16

* Made from Hard Copper Flat bar.

* Used for clamping stranded wire.

* Made to Hydro Spec.

Ground Wire Clips



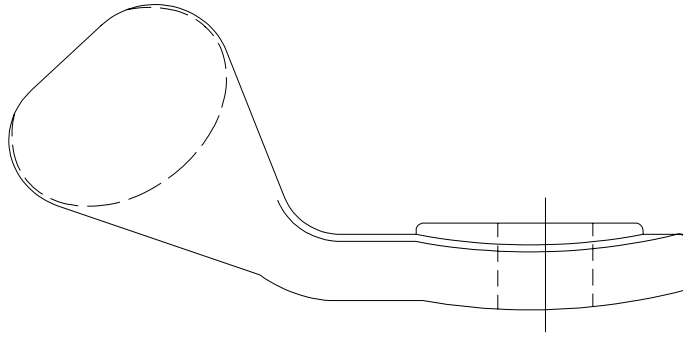
Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	"D" (Inches)	"R" (Inches)
60335001	1 1/2	3/4	1/8	9/32	3/16
60335002	1 1/2	3/4	1/8	9/32	15/16

* Made from 1/8" x 3/4" Stainless Steel Type 316.

* Used to fasten ground wires on steel structures.

* Accommodates conductor range of 1/0 to 2000 MCM AWG Stranded Copper.

Angle Thimble Eyelet



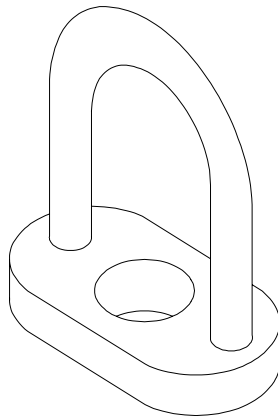
Part Number	Bolt Dia. (Inches)	Strand Diameter	Strength (Lbs.)	Wt. Lbs. Per 100 Pcs.	Std. Pack
60337001	5/8	3/16 to 1/2	12,400	138	50
60337002	3/4	3/16 to 1/2	18,300	128	50

* Drop Forged Stainless Steel Type 316.

* At 45° Angle.

* Used to assemble upper end of guy on ground.

Bolt Eyes



Part Number	Bolt Dia. (Inches)	Bolt Hole (Inches)	Inside Eye (Inches)	Wgt. Per 100 Pcs (Lbs.)	Std. Pack
60338001	3/4	13/16x1	1 1/4x3	125	50
60338002	5/8	11/16x1	1 1/4x3	125	50

* Drop Forged Stainless Steel Type 316.

* Bolt can be inserted at any angle because hole is elongated.

* Used for Dead-Ending on cross arms.

Straight Thimble Eye Bolts



5/8" Diameter

Minimum Strength 12,400 Lbs

Part Number	Length (Inches)	Approx. Wgt. (Lbs. per 100 Pcs.)
60341081	8	125
60341101	10	144
60341121	12	162
60341141	14	180
60341161	16	195
60341181	18	216
60341201	20	236

* Drop Forged Stainless Steel Type 316.

* Threads are 6" long.

* Each bolt supplied w/ one square nut.

3/4" Diameter

Minimum Strength 18,300 Lbs

Part Number	Length (Inches)	Approx. Wgt. (Lbs. per 100 Pcs.)
60341102	10	210
60341122	12	235
60341142	14	260
60341162	16	285
60341182	18	310
60341202	20	330

Angle Thimble Eye Bolts



5/8" Diameter

Minimum Strength 12,400 Lbs

Part Number	Length (Inches)	Approx. Wgt. (Lbs. per 100 Pcs.)
60342081	8	130
60342101	10	148
60342121	12	166
60342141	14	184
60342161	16	202
60342181	18	220
60342201	20	238

* Drop Forged Stainless Steel Type 316.

* Minimal length of threads is 6".

* Each bolt supplied w/ one square nut.

* Bent at an angle of 45°.

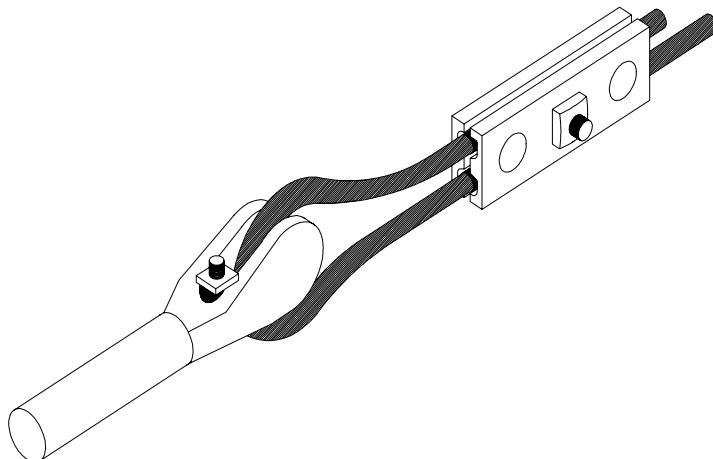
3/4" Diameter

Minimum Strength 18,300 Lbs

Part Number	Length (Inches)	Approx. Wgt. (Lbs. per 100 Pcs.)
60342102	10	200
60342122	12	225
60342142	14	250
60342162	16	275
60342182	18	300
60342202	20	330

Guy Clamp

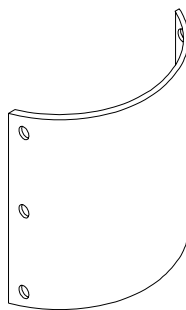
- * Parallel grooves trap strand tightly without marring.
- * Plate halves align evenly for easy application. Each bolt has a shoulder to prevent turning while tightening.
- * Material: Stainless Steel Type 316



5/8" Clamp Bolts

Part Number	Number of Bolts	Length (Inches)	Width (Inches)	Accepts Strand Size	Ship Wgt. Lbs. per 100 Pcs.
A60339001	3	6	1 21/32	5/16 thru 1/2	252

Hub Guards Pole Shields

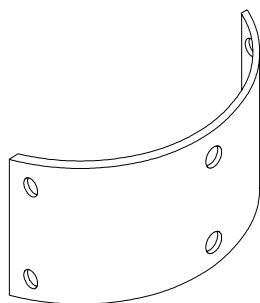


Part Number	Dimensions (Inches)	Radius (Inches)
60333001	3/16x16x18	7 1/2
60333002	3/16x16Xx30	7 1/2
60333003	3/16x14x30	5 1/2

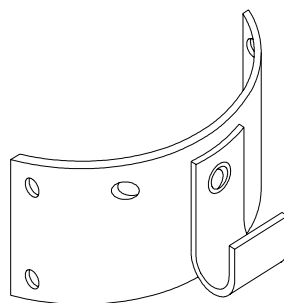
* Used to protect poles from vehicle collision.

* Holes are 9/16" for 1/2 inch lag bolts.

Guy Strain Plates



DETAIL "A"



DETAIL "B"

Part Number	Detail	Size	Wgt. Lbs. 100 Pieces
60332001	"A"	4x8x12Ga.	110
60332002	"B"	4x8x12Ga.	146

* Prevents Guy Strands cutting into wood pole.

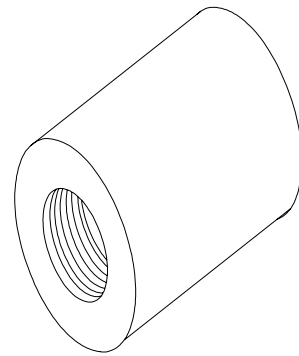
* Detail "B" hook is useful when down pole is required.

* Six nail holes provided.

* Formed Stainless Steel Type 316.

Rod Coupling Threaded

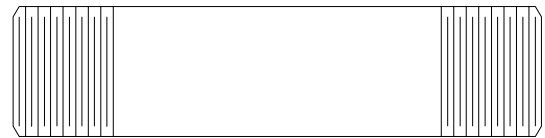
Part Number		Rod Diameter	Length (Inches)
316	Bronze		
60352062	10352062	5/8	3
60352099	10352099	1	3



Anchor Rod Extensions

Material: Stainless Steel Type 316 and Bronze

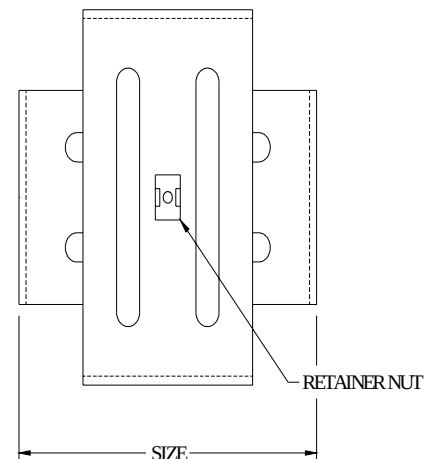
Part Number		Rod Diameter	Length (Ft.)
316	Bronze		
60351362	10351362	5/8	3.5
60351862	10351862	5/8	8
60351399	10351399	1	3.5
60351199	10351199	1	10



Cross Plate Anchors

Material: Stainless Steel Type 316 Plate
(Nut Retainer welded to plate)

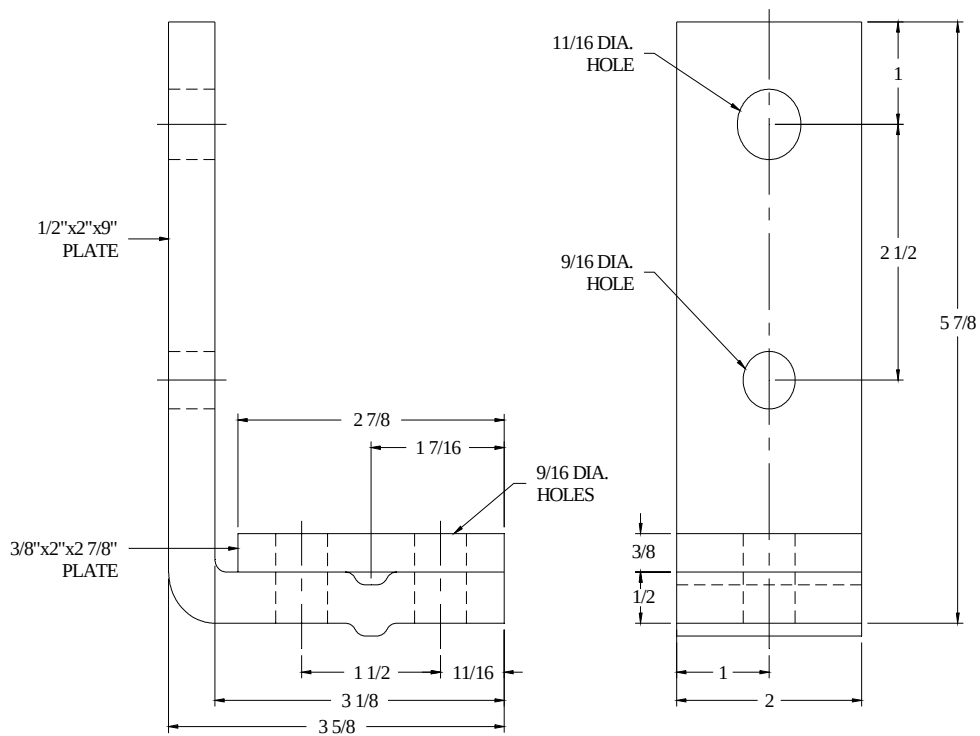
Part Number	Size (Inches)	Rod Size
A60353016	16	5/8
A60353024	24	1



Cable Messenger Hanger

P/N A60354001

Material: Stainless Steel Type 316

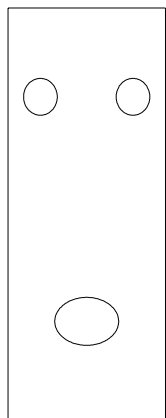


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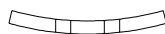
Plates, Lift and Load

Used to protect poles on heavy down guying when thimble eye, angle thimble eye, or oval bolts are used through the pole.

Material: Stainless Steel Type 316



3-HOLE LIFT



2-HOLE LIFT

Catalog Number	Description	Size of Holes (Inches)		Plate Size (Inches)	Approx. Ship Wgt. (Lbs. per 100 pieces)
		Top	Bottom		
60355001	2-Hole Lift	9/16	3/4x1	3/16x2 1/2x7	98
60355002	2-Hole Lift	9/16	7/8x1	1/4x2 1/2x7	126
60355003	3-Hole Lift	9/16	3/4x1	3/16x2 1/2x7	97
60355004	3-Hole Lift	9/16	7/8x1	1/4x2 1/2x7	126

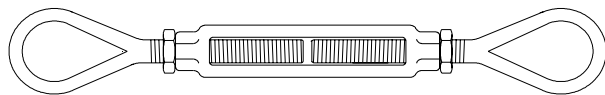
Coastal Line Products Section Index

Section 04

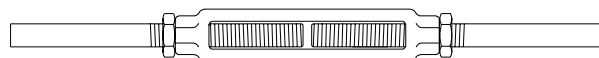
Page	Turnbuckles
2	Open Body Turnbuckles
3	Closed Body Turnbuckles

Open Body Turnbuckles

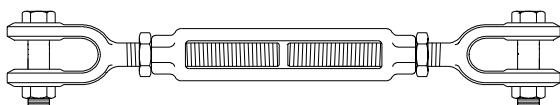
Material: Drop Forged from Type 316 Stainless Steel



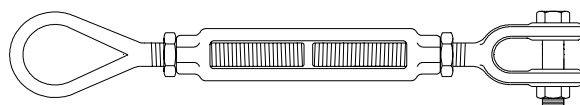
EYE & EYE
CATALOG NUMBER 604020XXX



WITH STUB ENDS
CATALOG NUMBER 60401XXX



JAW & JAW
CATALOG NUMBER 60404XXX



JAW & EYE
CATALOG NUMBER 60403XXX

Catalog Numbers & Working Load Limits

Diameter (Inches)	Take-up (Inches)	Catalog Numbers				Working Load Limit (Lbs.)
		With Stubs	Eye & Eye	Jaw & Eye	Jaw & Jaw	
1/4	4	60401025	60402025	60403025	60404025	460
5/16	4 1/2	60401031	60402031	60403031	60404031	780
3/8	6	60401037	60402037	60403037	60404037	1160
1/2	6	60401050	60402050	60403050	60404050	2150
5/8	6	60401062	60402062	60403062	60404062	3440
3/4	6	60401075	60402075	60403075	60404075	5140
7/8	6	60401087	60402087	60403087	60404087	7130
1	6	60401099	60402099	60403099	60404099	9370

WARNING: DO NOT EXCEED WORKING LOAD LIMIT

Dimensions & Weights

Diameter (Inches)	Overall Length (Inches) (Bearing to Bearing Closed)					Weight Each (Pounds)			
	Body Only	With Stubs	Eye & Eye	Jaw & Eye	Jaw & Jaw	With Stubs	Eye & Eye	Jaw & Eye	Jaw & Jaw
1/4	4 3/4	9	**7	**7 1/4	7 1/2	.25	.25	.30	.34
5/16	5 7/16	10 1/2	**8	**8	8 1/4	.34	.34	.40	.44
3/8	7 1/8	15	11 1/4	11 1/4	10 7/8	.75	.77	.84	.94
1/2	7 1/2	15	14	13	12 1/2	1.25	1.50	1.58	1.65
5/8	7 7/8	16	14 3/4	14 7/8	14	2.00	2.35	2.75	3.09
3/4	8 1/4	17	17 1/4	16 1/4	14 7/8	3.19	3.99	4.29	4.56
7/8	8 5/8	17	18	16 1/4	14 1/4	6.00	6.16	6.28	6.48
1	9	18	19 1/4	18 3/4	17 1/2	6 3/8	8.73	9.22	9.66

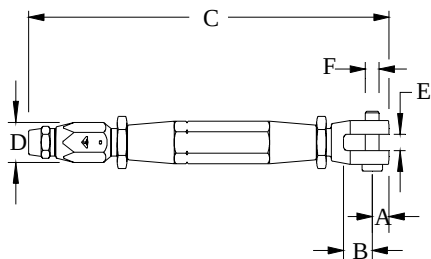
** Round Eye Style

Closed Body Turnbuckles

with Electroline “FIEGE” rope socket

Machined Series: Closed Body Clevis and Socket Turnbuckles

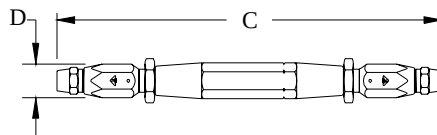
Catalog Number				Dimensions (inches)						
Rope Size	Self Colored Steel	Zinc Plated Steel	Stainless Steel	A	B	C Min	D	E	F	Takeup (in)
1/16	ID-406-N	ID-406-V	IS-406	17/64	3/8	6-5/16	7/16	3/16	3/16	2-1/2
3/32	ID-409-N	ID-409-V	IS-409	5/16	1/2	7-11/16	9/16	1/4	1/4	2-7/8
1/8	ID-412-N	ID-412-V	IS-412	5/16	1/2	7-11/16	9/16	1/4	1/4	2-7/8
5/32	ID-415-N	ID-415-V	IS-415	3/8	5/8	9-1/2	11/16	5/16	5/16	3-1/8
3/16	ID-418-N	ID-418-V	IS-418	3/8	5/8	9-1/2	11/16	5/16	5/16	3-1/8
7/32	ID-421-N	ID-421-V	IS-421	15/32	3/4	10-15/16	7/8	3/8	3/8	4-13/16
1/4	ID-425-N	ID-425-V	IS-425	15/32	3/4	10-15/16	7/8	3/8	3/8	4-13/16
9/32	ID-428-N	ID-428-V	IS-428	17/32	7/8	11-11/16	1	3/8	7/16	4-9/16
5/16	ID-431-N	ID-431-V	IS-431	17/32	7/8	11-11/16	1	3/8	7/16	4-9/16
3/8	ID-437-N	ID-437-V	IS-437	5/8	1	13-1/4	1-1/8	7/16	1/2	5-5/16
7/16	ID-443-N	ID-443-V	IS-443	23/32	1-1/4	17-7/32	1-5/16	7/16	5/8	8-1/16
1/2	ID-450-N	ID-450-V	IS-450	51/64	1-3/8	17-3/4	1-1/2	1/2	11/16	8-1/16



Note: A swaged turnbuckle body may be substituted for smaller rope sizes, resulting in an overall length slightly longer than indicated.

Machined Series: Closed Body Double Socket Turnbuckles

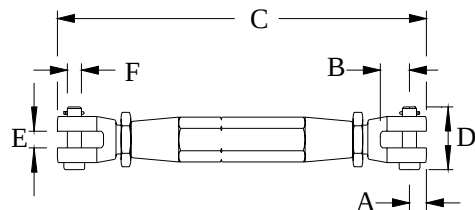
Catalog Number				Dimensions (Inches)		
Rope Size	Self Colored Steel	Zinc Plated Steel	Stainless Steel	C Min	D	Take-up (In)
1/16	ID-5506-N	ID-5506-V	IS-5506	6-3/8	7/16	2-1/2
3/32	ID-5509-N	ID-5509-V	IS-5509	7-1/4	9/16	2-7/8
1/8	ID-5512-N	ID-5512-V	IS-5512	7-1/4	9/16	2-7/8
5/32	ID-5515-N	ID-5515-V	IS-5515	8-5/8	11/16	3-1/8
3/16	ID-5518-N	ID-5518-V	IS-5518	8-5/8	11/16	3-1/8
7/32	ID-5521-N	ID-5521-V	IS-5521	11-7/8	7/8	4-13/16
1/4	ID-5525-N	ID-5525-V	IS-5525	11-7/8	7/8	4-13/16
9/32	ID-5528-N	ID-5528-V	IS-5528	12-7/8	1	4-9/16
5/16	ID-5531-N	ID-5531-V	IS-5531	12-7/8	1	4-9/16
3/8	ID-5537-N	ID-5537-V	IS-5537	14-1/2	1-1/8	5-5/16
7/16	ID-5543-N	ID-5543-V	IS-5543	18-5/8	1-5/16	8-1/16
1/2	ID-5550-N	ID-5550-V	IS-5550	19-1/4	1-1/2	8-1/16



Note: A swaged turnbuckle body may be substituted for smaller rope sizes, resulting in a slightly longer overall length.

Machined Series: Closed Body Double Clevis Turnbuckle

Catalog Number				Dimensions (inches)						
Rope Size	Self Colored Steel	Zinc Plated Steel	Stainless Steel	A	B	C Min	D	E	F	Takeup (In)
1/16	IJD-406-N	IJD-406-V	IJS-406	17/64	3/8	5-5/32	21/32	3/16	3/16	2-1/2
3/32	IJD-409-N	IJD-409-V	IJS-409	5/16	1/2	6-1/4	13/16	1/4	1/4	2-7/8
1/8	IJD-412-N	IJD-412-V	IJS-412	5/16	1/2	6-1/4	13/16	1/4	1/4	2-7/8
5/32	IJD-415-N	IJD-415-V	IJS-415	3/8	5/8	7-5/16	15/16	5/16	5/16	3-1/8
3/16	IJD-418-N	IJD-418-V	IJS-418	3/8	5/8	7-5/16	15/16	5/16	5/16	3-1/8
7/32	IJD-421-N	IJD-421-V	IJS-421	15/32	3/4	10	1-1/8	3/8	3/8	4-13/16
1/4	IJD-425-N	IJD-425-V	IJS-425	15/32	3/4	10	1-1/8	3/8	3/8	4-13/16
9/32	IJD-428-N	IJD-428-V	IJS-428	17/32	7/8	10-1/2	1-5/16	3/8	7/16	4-9/16
5/16	IJD-431-N	IJD-431-V	IJS-431	17/32	7/8	10-1/2	1-5/16	3/8	7/16	4-9/16
3/8	IJD-437-N	IJD-437-V	IJS-437	5/8	1	12	1-7/16	1/2	1/2	5-5/16
7/16	IJD-443-N	IJD-443-V	IJS-443	23/32	1-1/4	15-13/16	1-5/8	7/16	5/8	8-1/16
1/2	IJD-450-N	IJD-450-V	IJS-450	51/64	1-3/8	16-7/32	1-5/8	1/2	11/16	8-1/16



Note: A swaged turnbuckle body may be substituted for smaller rope sizes, resulting in a slightly longer overall length.

Coastal Line Products Section Index

Section 05

Swivels

Page

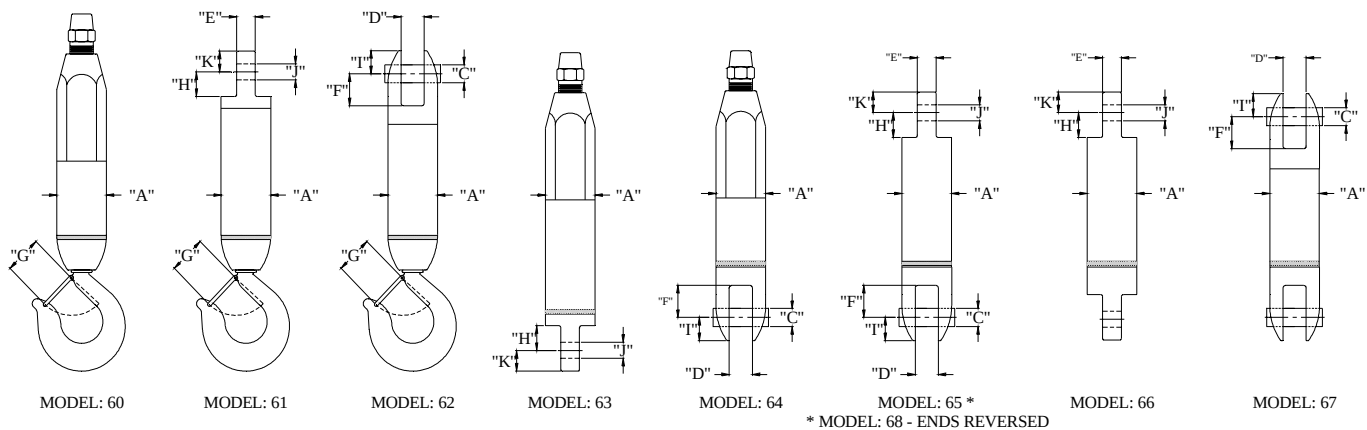
2

Machined Angular Contact Ball Bearing Swivels

3

Rope Thimble

Gold Band Angular Contact Ball Bearing Swivels



Streamlined design and maximum performance

- Designed for high rotational speeds, these models react to low operational torque ... the perfect swivels for longer ropes & cables.
- Manufactured with two or more flush ground angular contact ball bearings.
- Bearings are permanently lubricated with high-pressure grease and sealed at the factory.
- Flush pins are available for overhead and underground electrical line stringing (please specify). Swivel ends are shaped to prevent snagging when gliding over sheaves and other potential obstructions.
- Heat-treated high strength alloy steel, zinc plated for corrosion resistance, provides the strongest yet lightest swivel available. Ultimate strength is minimum 4.5 to 1 over SWL (Safe Working Load)
- All swivels proof tested and certified.

6000 Series Gold Band Swivels

Size	SWL Tons	Wire Rope Size	A	C Pin Dia.	D	E	F	G	H	I	J Hole Dia.	K
12	.5 (.9)	1/8	7/8	5/16	5/16	1/4	15/32	7/8	3/8	3/8	1/4	3/8
25	.75 (2)	1/4	1 1/4	3/8	19/32	5/16	11/16	31/32	1/2	7/16	3/8	7/16
37	1.5 (4)	3/8	1 1/2	7/16	19/32	1/2	13/16	1	23/32	9/16	5/8	5/8
50	3 (5)	1/2	1 7/8	5/8	3/4	3/4	15/16	1 11/32	15/16	13/16	7/8	15/16
62	5 (8)	5/8	2 7/16	7/8	1	1	1 9/16	1 11/16	1 5/16	1 1/8	1 1/4	1 3/16
75	8.5 (15)	3/4	2 7/8	1	1 9/32	1 1/4	2 1/8	2 1/4	1 5/8	1 1/4	1 3/8	1 1/2
81	8.5 (15)	3/4	2 7/8	1 1/8	1 9/16	1 1/4	2 1/8	2 1/4	1 5/8	1 1/4	1 3/8	1 1/2
87	10 (17)	7/8	3 5/8	1 1/2	1 3/4	1 23/32	3 1/2	3	2 27/32	1 3/4	1 5/8	1 13/16
99	15 (20)	1	3 5/8	1 1/2	1 3/4	2	3 1/2	3	2 25/32	1 3/4	2	2 1/8
150	35	1 1/2	5 3/8	2	2	2 1/4	3 11/16	3 3/4	3 1/8	2 3/8	2 1/4	2 3/8

All dimensions are in inches

Specifications could change without notice.

() For line stringing applications requiring a 3 to 1 Safe Working Load

Gold Band Angular Contact Ball Bearing Swivels

6000 Series Gold Band Swivels (Overall Length)

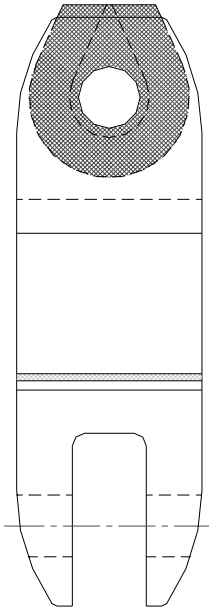
Model	60	61	62	63	64	65/68	66	67
Size	*	*	*					
12	5 5/16	5 3/8	5 3/8	3 7/8	3 7/8	3 1/8	3 1/8	3 1/16
25	8 5/16	7 1/16	7 1/8	5 7/8	5 7/8	4 9/16	4 9/16	4 1/2
37	9 1/2	7 7/8	7 13/16	6 13/16	6 13/16	5 1/8	5 1/8	5 1/8
50	12 15/16	10 13/16	10 15/16	9 1/8	9 1/8	7 1/8	7 1/8	7 1/8
62	17 9/16	15 1/4	15 1/4	12 13/16	12 3/4	10 1/2	10 1/2	10 1/2
75	21 1/8	18 7/8	18 7/8	14 11/16	14 11/16	12 7/16	12 7/16	12 7/16
81	21 1/8	18 7/8	18 7/8	14 11/16	14 11/16	12 7/16	12 7/16	12 7/16
87	25 15/16	24 15/16	24 15/16	18	18	17	17	17
99	27 13/16	25 11/16	25 11/16	19 7/8	19 7/8	17 3/4	17 3/4	17 3/4
150	44 1/16	34 5/8	34 5/8	30 7/8	30 7/8	22 3/8	21 7/16	21 7/16

* To inside of hook

All dimensions are in inches.

Specifications could change without notice.

Rope Thimble For Clevis Swivels



The best method of attaching a wire or synthetic rope to a swivel is with our Fiege fitting available on models 60,63, and 64. If you prefer to use a thimble with clips, we recommend solid core thimbles shown here. These cast steel thimbles are zinc plated and designed to limit rope wear by preventing the rope from extending beyond the diameter of the swivel.

Rope Size	Thimble #
1/2	L713-4
5/8	L713-5
3/4	L713-9
7/8	L713-8
1	L713-8

Coastal Line Products Section Index

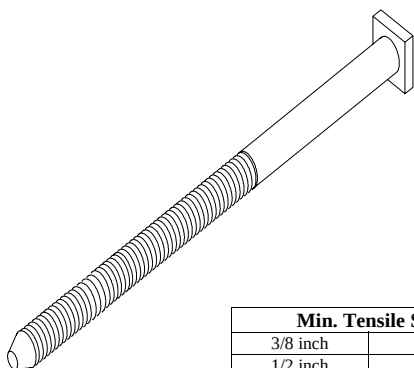
Section 06

	Fasteners
Page	
2	Machine-Square Head Bolt
3	Machine-Hex Head Bolt
4	Carriage Bolts
4	Brace Bolts
5	Shoulder Eye Bolts
6	Oval Eye Bolts
6	Double Arming Eye Bolts
7	Double Arming Bolts
8	Lag Screws, Screw Eye Bolts
8	Screw Eye Bolts
9	Square Nuts
9	Hex Nuts
10	Washers, Flat
10	Washers, Split Lockwasher
11	Jam Nuts
11	Lock Nuts
11	Cotter Pins
11	Cotter Bolts
12	All Thread

Machine Bolt -Square Head Bolts

Stainless Steel Type 316

(Nuts sold separately)



Min. Tensile Strength	
3/8 inch	4250 Lbs.
1/2 inch	7800 Lbs.
5/8 inch	12400 Lbs.
3/4 inch	18350 Lbs.
7/8 inch	25400 Lbs.

3/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60601010	1	3/4	7
60601014	1 1/2	1	9
60601020	2	1	10
60601024	2 1/2	1	12
60601030	3	1 3/4	13
60601034	3 1/2	2	14
60601040	4	3	15
60601044	4 1/2	3	16
60601050	5	3	18
60601054	5 1/2	3	19

1/2" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60602010	1	3/4	16
60602014	1 1/2	1	17
60602020	2	1	20
60602024	2 1/2	1	22
60602030	3	1 3/4	24
60602034	3 1/2	2	27
60602040	4	3	29
60602044	4 1/2	3	32
60602050	5	3	33
60602054	5 1/2	3	39
60602060	6	3	39
60602064	6 1/2	3	41
60602070	7	3	44
60602080	8	4	49
60602090	9	4	53
60602100	10	6	58
60602110	11	6	65
60602120	12	6	70
60602140	14	6	75
60602160	16	6	85
60602180	18	6	92
60602200	20	6	103

* Note: Other sizes available upon request

5/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60603010	1	1	26
60603014	1 1/2	1 1/2	35
60603020	2	1 1/2	36
60603024	2 1/2	1 1/2	40
60603030	3	1 3/4	42
60603034	3 1/2	1 3/4	49
60603040	4	3	50
60603044	4 1/2	3	55
60603050	5	3	57
60603060	6	3	64
60603070	7	4	74
60603080	8	4	82
60603090	9	4	88
60603100	10	6	96
60603120	12	6	110
60603140	14	6	124
60603160	16	6	140
60603180	18	6	156
60603200	20	6	168
60603220	22	6	188
60603240	24	6	196
60603260	26	6	228

3/4" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60604020	2	1 3/4	53
60604024	2 1/2	2 1/8	58
60604030	3	1 3/4	65
60604034	3 1/2	1 3/4	71
60604060	6	3	101
60604070	7	4	112
60604080	8	4	124
60604100	10	4	146
60604120	12	6	168
60604140	14	6	192
60604160	16	6	210
60604180	18	6	230
60604200	20	6	272
60604220	22	6	280
60604240	24	6	296
60604260	26	6	316

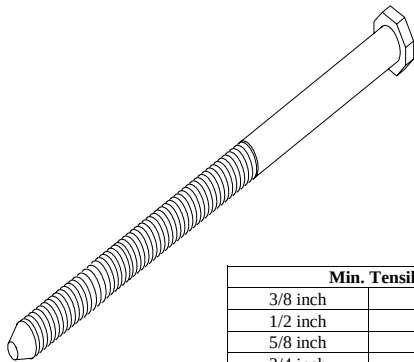
7/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60605120	12	6	240
60605140	14	6	264
60605160	16	6	288
60605180	18	6	320
60605200	20	6	345
60605220	22	6	380
60605240	24	6	430
60605260	26	6	450

Machine Bolt – Hex Head Bolts

Stainless Steel Type 316

(Nuts Sold Separately)



Min. Tensile Strength	
3/8 inch	4250 Lbs.
1/2 inch	7800 Lbs.
5/8 inch	12400 Lbs.
3/4 inch	18350 Lbs.
7/8 inch	25400 Lbs.

3/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60673010	1	3/4	7
60673014	1 1/2	1	9
60673020	2	1	10
60673024	2 1/2	1	12
60673030	3	1 3/4	13
60673034	3 1/2	2	14
60673040	4	3	15
60673044	4 1/2	3	16
60673050	5	3	18
60673054	5 1/2	3	19

1/2" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60674010	1	3/4	16
60674014	1 1/2	1	17
60674020	2	1	20
60674024	2 1/2	1	22
60674030	3	1 3/4	24
60674034	3 1/2	2	27
60674040	4	3	29
60674044	4 1/2	3	32
60674050	5	3	33
60674054	5 1/2	3	39
60674060	6	3	39
60674064	6 1/2	3	41
60674070	7	3	44
60674080	8	4	49
60674090	9	4	53
60674100	10	6	58
60674110	11	6	65
60674120	12	6	70
60674140	14	6	75
60674160	16	6	85
60674180	18	6	92
60674200	20	6	103

* Note: Other sizes available upon request

5/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60675010	1	1	26
60675014	1 1/2	1 1/2	35
60675020	2	1 1/2	36
60675024	2 1/2	1 1/2	40
60675030	3	1 3/4	42
60675034	3 1/2	1 3/4	49
60675040	4	3	50
60675044	4 1/2	3	55
60675050	5	3	57
60675060	6	3	64
60675070	7	4	74
60675080	8	4	82
60675090	9	4	88
60675100	10	6	96
60675120	12	6	110
60675140	14	6	124
60675160	16	6	140
60675180	18	6	156
60675200	20	6	168
60675220	22	6	188
60675240	24	6	196
60675260	26	6	228

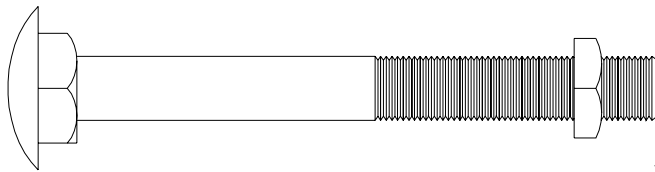
3/4" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60676020	2	1 3/4	53
60676024	2 1/2	2 1/8	58
60676030	3	1 3/4	65
60676034	3 1/2	1 3/4	71
60676060	6	3	101
60676070	7	4	112
60676080	8	4	124
60676100	10	4	146
60676120	12	6	168
60676140	14	6	192
60676160	16	6	210
60676180	18	6	230
60676200	20	6	272
60676220	22	6	280
60676240	24	6	296
60676260	26	6	316

7/8" Diameter

Catalog Number	Length (Inches)	Min. Thread Length (Inches)	Approx Shipping Wgt. Lbs. per 100 Pcs.
60677120	12	6	240
60677140	14	6	264
60677160	16	6	288
60677180	18	6	320
60677200	20	6	345
60677220	22	6	380
60677240	24	6	430
60677260	26	6	450

Carriage Bolts Stainless Steel Type 316



Min. Tensile Strength	
3/8 inch	4250 (Lbs.)
1/2 inch	7800 (Lbs.)
5/8 inch	12,400 (Lbs.)

3/8" Diameter

Catalog Number	Bolt Length Inches	Thread Length Inches	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60609030	3	2	12
60609040	4	3	14
60609044	4 1/2	3	16
60609050	5	3	17
60609054	5 1/2	3	18
60609060	6	3	19
60609070	7	3	22
60609080	8	3	24
60609100	10	6	29
60609120	12	6	34

1/2" Diameter

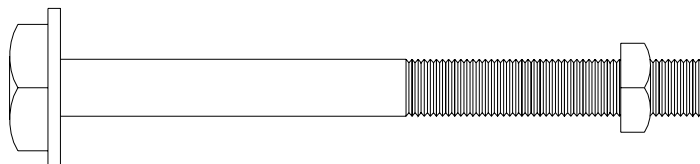
Catalog Number	Bolt Length Inches	Thread Length Inches	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60610044	4 1/2	3	30
60610050	5	3	32
60610054	5 1/2	3	35
60610060	6	3	36
60610070	7	4	41
60610080	8	4	46
60610100	10	6	53

5/8" Diameter

Catalog Number	Bolt Length Inches	Thread Length Inches	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60611024	2 1/2	1 7/8	38
60611080	8	5	82

Brace Bolts Stainless Steel Type 316

* Brace bolts have one-piece washer head for wrenching, making reclaiming hardware easier. Bolts are used fastening a brace to a cross arm.



3/8" Diameter

Catalog Number	Bolt Length Inches	Thread Length Inches	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60613044	4 1/2	2	22

Min. Tensile Strength	
3/8 inch	4250 (Lbs.)



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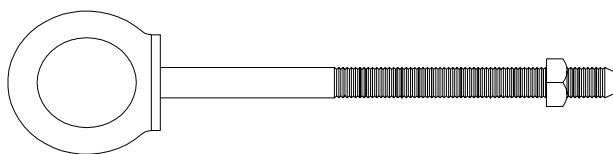
Phone: 800-966-4210 or 330-588-8709

Fax: 866-551-8700 or 330-588-8700

info@coastallineproducts.com

Shoulder Eye Bolts

Material: Stainless Steel Type 316



5/8" Diameter

Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Dimension		Approx. Shipping Weight (Lbs.) per 100 pcs.
			"A" Inches	"B" Inches	
60614060	6	5	9/16	1 3/4	111
60614080	8	6	9/16	1 3/4	130
60614100	10	6	9/16	1 3/4	148
60614120	12	6	9/16	1 3/4	166
60614140	14	6	9/16	1 3/4	184
60614160	16	8	9/16	1 3/4	202

Min. Tensile Strength	
5/8" inch	12400 (Lbs.)
3/4" inch	18350 (Lbs.)

3/4" Diameter

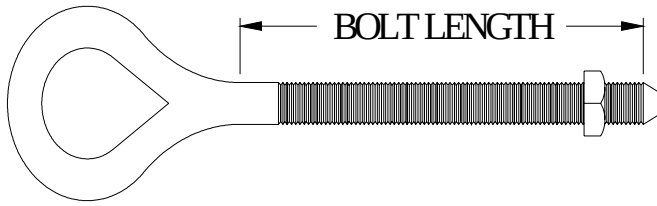
Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Dimension		Approx. Shipping Weight (Lbs.) per 100 pcs.
			"A" Inches	"B" Inches	
60615080	8	4	11/16	1 13/16	216
60615100	10	4	11/16	1 13/16	221
60615120	12	6	11/16	1 13/16	247
60615140	14	6	11/16	1 13/16	278
60615160	16	6	11/16	1 13/16	320

Shoulder eyebolts are forged and made to attach suspension insulators without a washer under the eye. It also attaches other pole line hardware to cross arms and poles.

Oval Eye Bolts

Stainless Steel Type 316

Square nuts furnished with each bolt.



Min. Tensile Strength	
5/8 inch	12400 (Lbs.)
3/4 inch	18350 (Lbs.)

5/8" Diameter

Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60616060	6	4	98
60616080	8	4	114
60616090	9	4	121
60616100	10	6	132
60616120	12	6	146
60616140	14	6	160
60616160	16	6	169
60616180	18	6	187
60616200	20	6	200

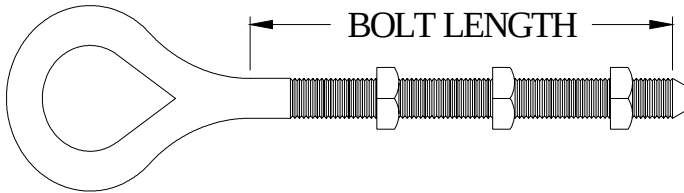
3/4" Diameter

Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60617080	8	4	181
60617100	10	6	205
60617120	12	6	217
60617140	14	6	235
60617160	16	6	265
60617180	18	6	282

Double Arming Eye Bolts

Stainless Steel Type 316

Square nuts furnished with each bolt.



Min. Tensile Strength	
5/8 inch	12400 (Lbs.)
3/4 inch	18350 (Lbs.)

5/8" Diameter

Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60618140	14	12	185
60618160	16	14	205
60618180	18	16	216
60618200	20	18	232
60618220	22	20	251
60618240	24	22	279
60618260	26	24	288

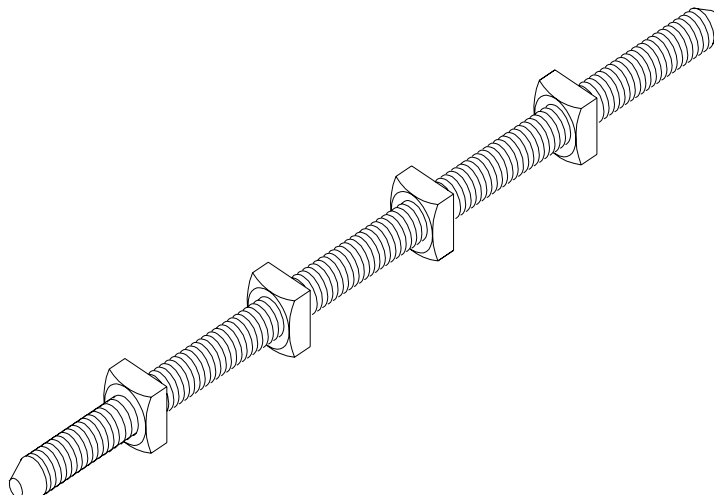
3/4" Diameter

Catalog Number	Bolt Length (Inches)	Thread Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60619160	16	14	312
60619180	18	16	328
60619200	20	18	358
60619220	22	20	374
60619240	24	22	389
60619260	26	24	416

Double Arming Bolts

Material: Stainless Steel Type 316

- * Rolled threads to assure uniformity and strength.
- * Cone points on all sizes.
- * Four regular square nuts furnished with each bolt.



5/8" Diameter

Catalog Number	Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60620100	10	120
60620120	12	132
60620140	14	144
60620160	16	164
60620180	18	180
60620200	20	192
60620220	22	212
60620240	24	224
60620260	26	240
60620280	28	256
60620300	30	280
60620320	32	296
60620340	34	298
60620360	36	320

3/4" Diameter

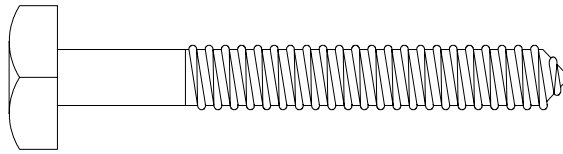
Catalog Number	Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60621120	12	204
60621140	14	216
60621160	16	244
60621180	18	260
60621200	20	280
60621220	22	304
60621240	24	324
60621260	26	348
60621280	28	373
60621300	30	390
60621320	32	400
60621340	34	420
60621360	36	450

7/8" Diameter

Catalog Number	Length (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pcs.
60670120	12	285
60670140	14	302
60670160	16	340
60670180	18	360
60670200	20	390
60670220	22	425
60670240	24	450
60670260	26	480
60670280	28	520
60670300	30	540
60670320	32	560
60670340	34	580
60670360	36	630

Lag Screws, Screw Eye Bolts

Material: Stainless Steel Type 316

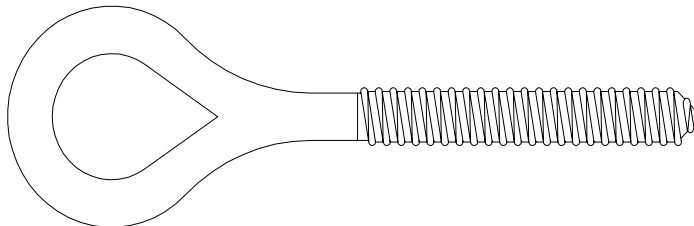


GIMLET POINT

Catalog Number	Size (Inch)	Min Thread Length (Inches)	Approx. Shipping Weight (Lbs./100)
60627214	1/4 x 1 1/2	1 1/4	2.4
60627220	1/4 x 2	1 1/2	2.7
60627224	1/4 x 2 1/2	1 3/4	3.3
60627230	1/4 x 3	2	3.7
60627330	3/8 x 3	2	9.9
60627434	1/2 x 3 1/2	2 1/4	20

Screw Eye Bolts

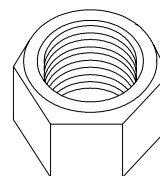
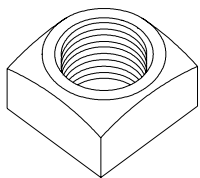
Material: Stainless Steel Type 316



Catalog Number	Diameter (Inches)	Approx. Shipping Weight (Lbs. per 100 pcs.)
60631050	1/2	53

Square or Hex Nuts

Material: Stainless Steel Type 316



Regular Square Nuts

Catalog Number	Fits Bolt Size (Inches)	Approx. Shipping Weight (Lbs.) per 100 pcs.
60640000	3/8	3
60641000	1/2	5
60642000	5/8	10
60643000	3/4	15
60644000	7/8	25
60640099	1	30
60640125	1 1/4	38

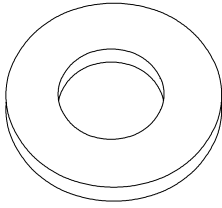
Regular Hex Nuts

Catalog Number	Fits Bolt Size (Inches)	Approx. Shipping Weight (Lbs.) per 100 pcs.
60645000	3/8	1.6
60646000	1/2	3.75
60647000	5/8	7.33
60648000	3/4	11.90
60649000	7/8	19.0
60645099	1	25
60645125	1 1/4	33

* Note: Other sizes also available upon request

Washers

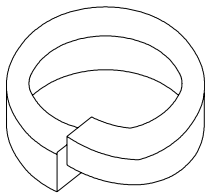
Material: Stainless Steel Type 316



Flat Washer

Flat Washers

Catalog Number	Fits Bolt Size (Inches)	Washer Size (Inches)	Approx. Shipping Weight (Lbs.) per 100 pcs
60650000	3/8	1" Dia. - 7/16" Hole	1.6
60651000	1/2	1 3/8" Dia. - 9/16" Hole	3.90
60652000	5/8	1 3/4" Dia. - 11/16" Hole	7
60653000	3/4	2" Dia. - 13/16" Hole	10
60654000	7/8	2 1/4" Dia. - 15/16" Hole	18
60656000	1	2 1/2" Dia. - 1 1/16" Hole	20



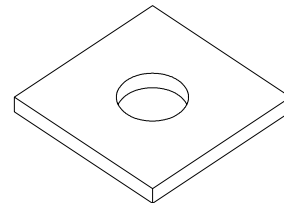
Split Lock Washer

Split Lock

Catalog Number	Fits Bolt Size (Inches)	Washer Size (Inches)	Approx. Shipping Weight (Lbs.) per 100 pcs
60657000	3/8	Single Coil	2
60658000	1/2	Single Coil	2
60659000	5/8	Single Coil	3
60660000	3/4	Single Coil	5

Flat Square

Catalog Number	Width (Inches)	Diameter Hole (Inches)	Thickness (Inch)	Approx. Shipping Weight (Lbs.) per 100 pcs.
60661001	2	9/16	1/8	13
60661002	2	11/16	1/8	13
60661003	2 1/4	11/16	3/16	23
60661004	2 1/4	13/16	3/16	23
60661005	4	7/8	3/16	75
60661006	4	1 1/8	1/2	194
60661007	3	11/16	1/4	57
60661008	3	13/16	1/4	56
60661009	6	1 1/16	1/2	526
60661010	4	1 1/8	1/4	95
60661011	4	1	1/2	193

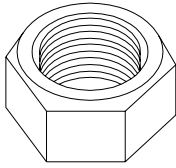


Flat Square Washer

Curved Square

Catalog Number	Width (Inches)	Diameter Hole (Inches)	Thickness (Inch)	Approx. Shipping Weight (Lbs.) per 100 pcs.
60662001	3	11/16	1/4	57
60662002	2 1/4	11/16	3/16	23
60662003	3	13/16	1/4	56
60662004	4	1	1/2	193
60662005	4	1 1/8	1/4	95

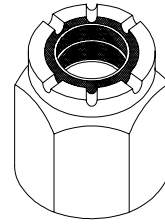
Jam Nuts



Part Numbers	Size
60664375	3/8
60664500	1/2
60664625	5/8
60664750	3/4
60664875	7/8

* Stainless Steel Type 316

Nylon Inserts Locknuts (Torque Nuts)

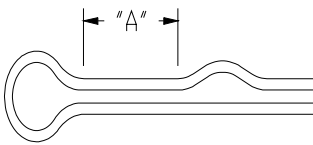


Part Numbers	Size
60663375	3/8
60663500	1/2
60663625	5/8
60663750	3/4

* Torque Nuts Stainless Steel Type 316

* Tapped UNC

Cotter Pins (Hump)

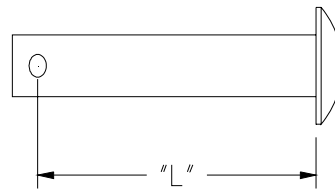


Part Numbers	Size
60665625	5/8
60665750	3/4
60665875	7/8
60665999	1

* Stainless Steel or Copper Alloy

* Spring Type Self Locking

Cotter Bolts



Part Numbers	Size
60666625	5/8
60666750	3/4
60666875	7/8

* Dimension "L" to be specified

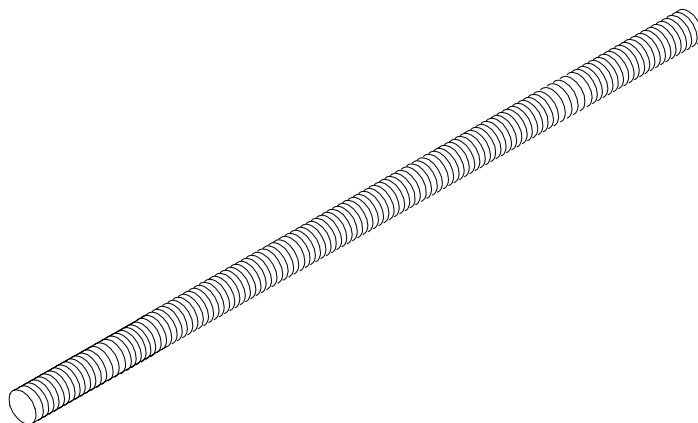
* Hole is drilled to fit cotter pin

* Stainless Steel Type 316

All Thread

Rolled threads to insure uniformity and strength.

* Material: Stainless Steel Type 316



5/8" UNC Thread

Catalog Number	Length (Feet)
60670003	3
60670006	6
60670012	12

3/4"-10 UNC Thread

Catalog Number	Length (Feet)
60671003	3
60671006	6
60671012	12

7/8-9" UNC Thread

Catalog Number	Length (Feet)
60672003	3
60672006	6
60672012	12

1"-8 UNC Thread

Catalog Number	Length (Feet)
60673003	3
60673006	6
60673012	12

Coastal Line Products Section Index Section 07

Hangers & Supports

Call factory for drawings, part numbers & pricing



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Phone: 800-966-4210 or 330-588-8709

Fax: 866-551-8700 or 330-588-8700

info@coastallineproducts.com

Coastal Line Products Section Index

Section 08

Banding & Strapping

Page	
2	Banding & Supplies
3	Screw Buckles
3	Wing Seals
3	Specialty Short Wing Seals
4	Heavy Duty System Band
4	Buckles
5	Banding Tools
6	Pole Clamp
6	Mounting Plate

Banding & Supplies

Banding

Average Minimum Breaking Strength of Band (Lbs.)									
Width (inches)	Stainless Steel			Stainless Econo Coils					
	Thick	201 Force	316 Force	Thick	Force	Thick	Force	Thick	Force
1/4	.020	500	400	--	--	--	--	--	--
3/8	.025	900	750	.015	450	.020	600	.025	750
1/2	.030	1500	1200	.015	600	.020	850	.025	1060
5/8	.030	1875	1500	.015	750	.020	1000	.025	1250
3/4	.030	2250	1800	.015	900	.020	1275	.025	1590
3/4	.044	3300	--	--	--	--	--	--	--
1	.044	4400	--	--	--	--	--	--	--
1 1/2	.044	5500	--	--	--	--	--	--	--

Note: The table shows the average minimum force based on the nominal material size and minimum strength. The actual force required to break the band will likely be greater than these values.

Any performance data published herein is based on laboratory tests, which cannot duplicate conditions that may be encountered in field installations. Such conditions may vary substantially from those shown, such as abuse in handling and installation practices, abnormal environmental conditions of products. Coastal Line Products is not responsible for performance characteristics of its products resulting from such variables. Representations either orally or in writing by any person or entity of performance data other than as set forth herein are strictly unauthorized.

Band is available in Type 201 or Type 316 Stainless Steel with a full round edge. Where added strength is needed, use a double wrap, threading the band through the buckle twice. Band is available in Monel, Inconel – quote per request.

Type 201 Stainless – 100 Feet/Roll in self-dispensing carton

Part Number	Width		Thickness		Weight Each	
	Inches	MM	Inches	MM	Lbs	Kg
20801202	1/4	6.35	.020	.51	1.7	0.9
20801203	3/8	9.53	.025	.63	3.2	1.6
20801204	1/2	12.70	.030	.76	5.1	2.4
20801205	5/8	15.88	.030	.76	6.4	3.0
20801206	3/4	19.05	.030	.76	7.7	3.6

Type 316 Stainless – 100 Feet/Roll in self-dispensing carton

Part Number	Width		Thickness		Weight Each	
	Inches	MM	Inches	MM	Lbs	Kg
60801402	1/4	6.35	.020	.51	1.7	0.9
60801403	3/8	9.53	.025	.63	3.2	1.6
60801404	1/2	12.70	.030	.76	5.1	2.4
60801405	5/8	15.88	.030	.76	6.4	3.0
60801406	3/4	19.05	.030	.76	7.7	3.6



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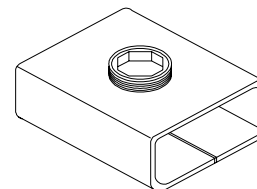
Fax: 866-551-8700 or 330-588-8700

info@coastallineproducts.com

Screw Buckles – Type 201 Stainless Steel

Screw Buckles are used in applications when a temporary clamp is desired or space limitations do not allow a tool rollover. A setscrew locks the band after tensioning.

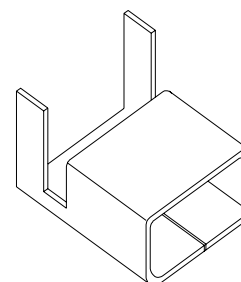
Part Number	Width		Qty Per box	Weight / Box	
	Inches	MM		Lbs.	Kg.
20803720	1/4	6.35	50	0.3	0.1
20803722	3/8	9.53	50	0.5	0.2
20803724	1/2	12.70	50	0.5	0.2
20803726 (*)	3/4	19.05	50	0.9	0.4



P/N 20803726 May be used with 5/8" band

Wing Seals – Type 304 Stainless Steel

Part Number	Width		Qty Per box	Weight / Box	
	Inches	MM		Lbs.	Kg.
40803153	3/8	9.53	100	0.8	0.4
40803154	1/2	12.70	100	1.1	0.5
40803155	5/8	15.88	100	1.8	0.8
40803156	3/4	19.05	100	2.1	0.9



Specialty Short Wing Seals

Available in 304 or 316 Stainless. These “Short Seals” are only 17/32” long for use on small surfaces.

Part Number	Stainless Type	Width		Qty Per box	Weight / Box	
		Inches	MM		Lbs.	Kg.
40804213	304	5/8	15.88	5000	40	18.2
60804213	316	5/8	15.88	5000	8	3.6

Heavy Duty System Band-Type 201 Stainless

* 100 Feet / Roll in self dispensing carton

Heavy duty band is available in type 201 Stainless Steel for heavy duty clamping applications. When added strength is needed, use a double wrap, threading the band through the buckle twice.

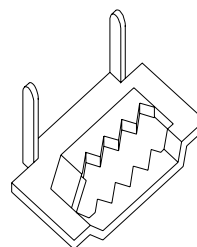
Part Number	Width		Thickness		Weight Each	
	Inches	MM	Inches	MM	Lbs	Kg
20801430	3/4	19.05	.044	1.12	11.6	5.4
20801431	1	25.40	.044	1.12	13.7	6.4
20801432	1 1/4	31.80	.044	1.12	17.2	8.0

Buckles

Stainless Steel buckles can accommodate a single or double wrap of band. Buckles have extremely high joint strength.

Type 201 Stainless Buckles

Part Number	Width		Qty Per box	Weight / Box	
	Inches	MM		Lbs.	Kg.
20802252	1/4	6.35	100	0.3	0.1
20802253	3/8	9.53	100	0.8	0.4
20802254	1/2	12.70	100	2.1	1.0
20802255	5/8	15.88	100	2.4	1.1
20802256	3/4	19.05	100	3.7	1.7



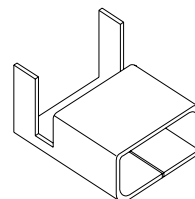
Type 201 Stainless heavy duty buckles.

Part Number	Width		Qty Per box	Weight / Box	
	Inches	MM		Lbs.	Kg.
20802440	3/4	19.50	25	1.8	0.8
20802441	1	25.40	25	2.4	1.1
20802442	1 1/4	31.80	25	3.2	1.4

Heavy duty buckles for use in demanding banding applications.

Type 316 Stainless Buckles

Part Number	Width		Qty Per box	Weight / Box	
	Inches	MM		Lbs.	Kg.
60802452	1/4	6.35	100	0.3	0.1
60802453	3/8	9.53	100	0.8	0.4
60802454	1/2	12.70	100	2.1	1.0
60802455	5/8	15.88	100	2.4	1.1
60802456	3/4	19.05	100	3.7	1.7

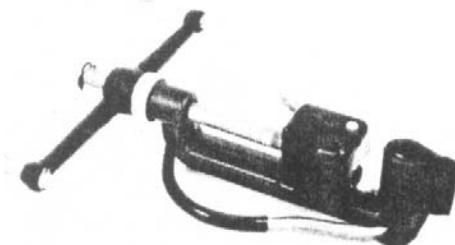


Banding Tools

Spin Tight Tool

Part Number: T0801001

A drop forged tool with tensioning capability of over 2400 lbs. and a built-in cutter. New improved features include: (1) A spring-loaded gripper lever for improved band tensioning. (2) A friction held cutoff lever with plastic grip for easier operations. (3) A blue, epoxy powder coated finish virtually impervious to impact, chemicals and corrosive elements. (4) A spin handle-retaining ring to keep parts intact. The tool is used to apply bands and buckles, strapping and free end clamps. For use on up to 3/4 x .030 band.

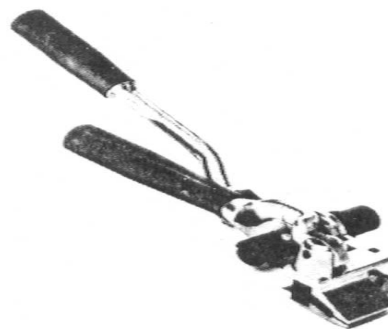


Tensioner

Pusher / windlass type with cutter and hammer knob for seal closing.

Part Number: T0802101

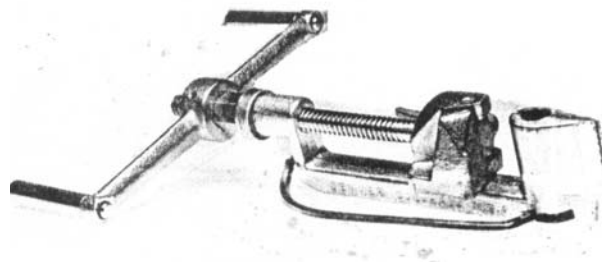
For use with 3/8" through 3/4" wide strapping in thickness up to .030" highly portable with unmatched versatility. Straps on a wide range of package sizes as small as 1/2 diameter. (Weight 3 lbs.)



Giant Tool

Part Number: T0803402

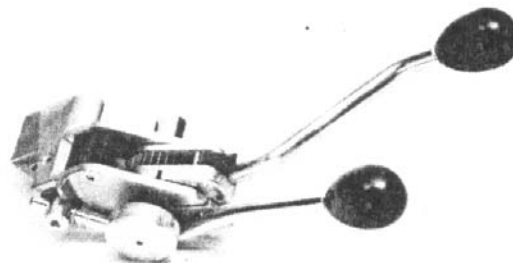
The giant tool must be used to apply heavy giant clamps. Measuring 16-1/2" in length. It is designed to pull up to 6000 pounds. Fits bands from 3/4 x .044 to 1-1/4 x .048. (Weight 11.7 Lbs.)



Bantam Strapping Tool

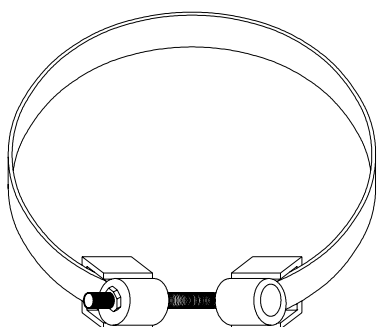
Part Number: T0804085

The bantam strapping tool is a less expensive version designed for light duty strapping applications on flat surfaces with minimal access. It is designed for quick take-up and tensioning, and is self-contained requiring no extra tools to complete the clamp.



Pole Bolt / Clamp

Stainless housing with carriage bolt, nut and washer. To be used with band.

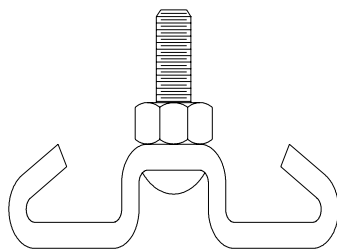


Pole Bolt / Clamp

Part Number	Description
A60805100	Pole bolt clamp for use with 3/4" (19.05mm) width band complete with stainless nut, bolt 3/8-16 x 6 , & washer
A60805200	Pole bolt clamp for use with 1-1/4" (31.75 mm) width band complete with stainless nut, bolt 5/8-11 x 8 , & washer

Mounting Plate

A stainless plate with 5/8-11 x 2 (50.8 mm) stainless bolt & nut.



Mounting Plate

Part Number	Description
A60806200	Heavy duty mounting plate 1-1/2" (38.1 mm) x 5" (127 mm) with 2" (50.8 mm) stainless bolt.

Note: The mounting plate may be secured by using the pole clamp above.

Coastal Line Products Section Index

Section 09

	Conduit, Hubs & Couplings
Page	
2	Stainless Steel Conduit Hubs
2	Stainless Steel Conduit
2	Stainless Steel Conduit Couplings

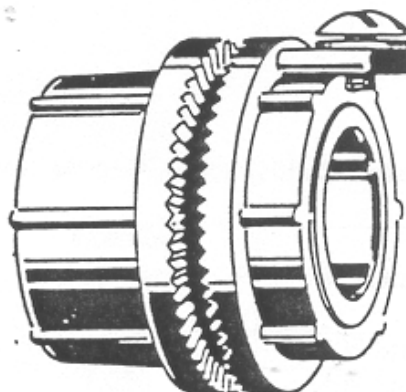
Stainless Steel Conduit Hubs

Material: Stainless Steel Type 316

Note: Each hub comes with grounding screw.

Size	Catalog Number
1/2	CH-1/2-G-SS316
3/4	CH-3/4-G-SS316
1	CH-1-G-SS316
1 1/4	CH-1 1/4-G-SS316
1 1/2	CH-1 1/2-G-SS316
2	CH-2-G-SS316

UL and CSA Approved



Stainless Steel Conduit

Material: Stainless Steel Type 316

Note: Conduit dimensions and weights (10ft. Lengths)

Nominal Pipe Size (Inches)	Outside Diameter (Inches)	Schedule	Nominal Wall (Inches)	Approx. Inside Diameter (Inches)	Weight / Ft. (Lbs.)
1/2	.840	40S Std.	.109	.622	.86
3/4	1.050	40S Std.	.113	.824	1.14
1	1.315	40S Std.	.133	1.049	1.70
1 1/4	1.660	40S Std.	.140	1.380	2.29
1 1/2	1.900	40S Std.	.145	1.610	2.74
2	2.375	40S Std.	.154	2.067	3.70

Stainless Steel Conduit Couplings

Material: Stainless Steel Type 316

Note: (150 Lb. working pressure)

Size (Inches)	Catalog Number	Outside Diameter	Length	Weight Per Each in (Lbs.)
1/2	CC-1/2-SS316	1.062	1.562	.156
3/4	CC-3/4-SS316	1.312	1.625	.250
1	CC-1-SS-316	1.562	1.937	.313
1 1/4	CC-1 1/4-SS316	1.937	2.000	.500
1 1/2	CC-1 1/2-SS316	2.187	2.125	.688
2	CC-2-SS316	2.750	2.500	1.438



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Coastal Line Products Section Index

Section 10

Page	Ground Rods
2	Stainless Steel Type 316 Ground Rods
2	Stainless Steel Type 316 Ground Rods, Sectional
3	Ground Rod Drivers
3	Extension

Stainless Steel Type 316 Ground Rods



Catalog Number	Size (Inches)	Length (Feet)	Weight Per 100 (Lbs.)
61001001	5/8	8	800
61001002	5/8	10	1000
61001003	5/8	12	1200
61001004	3/4	8	1200
61001005	3/4	10	1500
61001006	3/4	12	1800
61001007	1	10	2670

Stainless Steel Type 316 Ground Rods Sectional



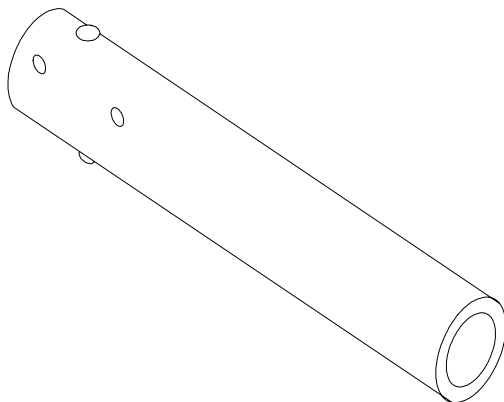
Catalog Number	Size (Inches)	Length (Feet)	Weight Per 100 (Lbs.)
61002001	5/8	8	800
61002002	5/8	10	1000
61002003	5/8	12	1200
61002004	3/4	8	1200
61002005	3/4	10	1500
61002006	3/4	12	1800
61002007	1	10	2670

Ground Rod Drivers

(For 5/8" & 3/4" Dia. Rod.)

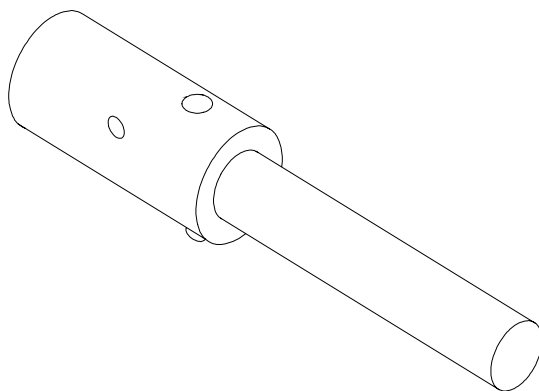
Driver

Part Number: 60334001



Extension

Part Number: 60334002



- Driver made from 1.9" diameter extra heavy Stainless Steel Type 316 pipe 4 feet long with 4" plug doweled and welded in top end.
- Length 4 feet, wgt. 27 lbs.
- Extension made from 7/8" Stainless Steel Type 316 rod doweled and welded into 1.9" diameter extra heavy Stainless Steel Type 316 pipe 9 inches long.

Coastal Line Products Section Index

Section 11

Page	Cable Rings
2	CAB Saddles
3	CAB Cable Rings

CAB PVC Coated Cable Rings

CAB PVC coated cable rings have gained wide recognition and acceptance for their superior ability to suspend aerial cables. They are available in all sizes and styles including CAB exclusive PVC coated ring and saddle combination.

Advantages of CAB PVC coated Rings

1. CAB's high dielectric grade PVC Plastisol is applied on 100% of the cable ring surface to make CAB Rings totally insulated and spark proof. The heavy 80-mil coating has dielectric breakdown strength of 400 volts per mil. For long-term protection, the PVC coating is also flame resistant and UV stabilized.
2. The slippage and movement of cable rings after installation is virtually eliminated due to the molding action of the PVC coating to the individual strands of the messenger in the attachment section of the cable ring. This improved attachment with less movement assures the uniform spacing of rings which provides a safer cable support system.
3. Coated cable rings, especially in the medium and long style are much easier to handle and install which reduces the time and expense of aerial cable projects.
4. CAB's 80 mil PVC coating provides an advanced level of protection in highly corrosive environments. The dark gray, abrasion resistant grade PVC is tough, durable and extremely resistant to corrosion.



CAB 3 1/2" Diameter Medium Style
PVC Coated Cable Ring & Saddle

CAB SADDLES

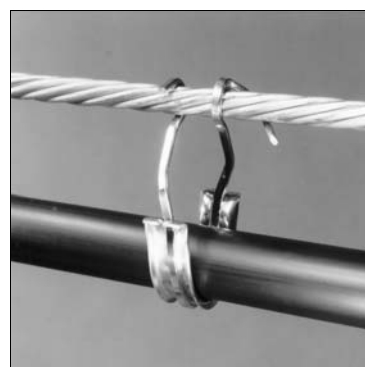
CAB Saddles are designed to improve safety by providing a wider load bearing area in the carrier section of the cable ring. This extra support and protection is especially important when running heavy cables or multiple cables. Saddles install easily on any size or style of cable ring. They are strong, lightweight and feature an integral locking system that provides a secure attachment of the saddle to the cable ring. For maximum corrosion resistance, CAB Saddles are manufactured from aluminum, brass, bronze or Type 316 Stainless Steel. Completely assembled ring and saddle units are also available for added convenience and faster installation time. For the highest level of safety and protection, assembled ring and saddle units can be totally insulated with 80 mils of durable, high quality PVC Plastisol.



CAB 2" Diameter Cable Ring Saddle



CAB 2" Diameter Long Style Cable Ring & Saddle



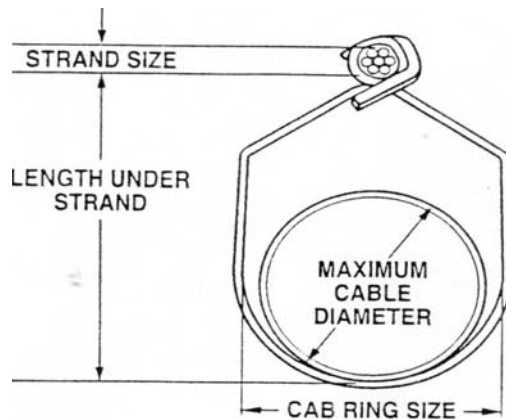
CAB 2" Diameter Standard Style
Cable Ring & Saddle

CAB SADDLES FOR STANDARD AND LONG STYLE CAB CABLE RINGS								
	Aluminum		Brass		Bronze		Stainless Steel	
CAB RING SADDLE SIZE	QTY PER BOX	APPROX. WEIGHT PER BOX	QTY PER BOX	APPROX. WEIGHT PER BOX	QTY PER BOX	APPROX. WEIGHT PER BOX	QTY PER BOX	APPROX. WEIGHT PER BOX
1 1/2	250	8 LB.	250	25 LB.	250	25 LB.	250	18 LB.
2	250	9 LB.	250	27 LB.	250	26 LB.	250	19 LB.
2 1/2	250	10 LB.	250	31 LB.	250	30 LB.	250	22 LB.
3	100	6 LB.	100	17 LB.	100	17 LB.	100	12 LB.
3 1/2	100	6 LB.	100	19 LB.	100	18 LB.	100	13 LB.
4	100	7 LB.	100	20 LB.	100	19 LB.	100	14 LB.
4 1/2	100	7 LB.	100	21 LB.	100	20 LB.	100	15 LB.
5	100	7 LB.	100	23 LB.	100	22 LB.	100	18 LB.
6	100	9 LB.	100	27 LB.	100	25 LB.	100	19 LB.

CAB CABLE RINGS

CAB Cable Rings provide maximum strength and safety for the support of aerial cables in power utility, telecommunications and industrial applications. CAB Rings are manufactured from galvanized steel, copper clad steel, bronze or Type 316 Stainless Steel to withstand the most corrosive environments. For added safety and protection, any style of cable ring can be totally insulated with a tough 80 mil coating of high dielectric grade PVC Plastisol.

CAB Cable Rings conform to rigid standards of quality and performance. For maximum strength cable rings are manufactured from high strength spring steel and bronze in rolled flat wire form. This high quality material provides a smooth, flat surface for the support of cables and uniform, rounded edges for the protection of cable jackets. CAB's advanced roll form design, combined with the strong spring temper of the flat wire, provides a tight, secure attachment of the cable ring to the messenger strand.



Cab 2" Dia. Standard & 3" Dia. Long Style Cable Ring & Saddle

Cab Rings are manufactured in standard, medium and long styles. Standard style rings are designed for the suspension of single cables. Long style rings have extra length which allows a second cable to be suspended under the standard style rings from the same messenger strand. Medium style rings have a length under strand that is between the standard and long style rings. With their extra capacity, they are ideal for single or multiple cables and are available by special order. Because of their extra length, medium and long style rings are much easier to open and close for improved handling and faster installation time. For special applications, CAB has the capability of manufacturing custom rings in sizes up to 10" in diameter with any length under strand.

The recommended spacing for 1 1/2 through 2 1/2 size rings is 15" to 20". The recommended spacing for 3" through 6" size rings is 12" to 15". The exact spacing distance will vary depending on the type of cable, nature of installation and loading requirements. When ordering cable rings, be sure to specify type of material, size, style and exact messenger strand size. CAB Rings are available in both PVC coated and uncoated galvanized steel, copper clad steel, bronze or Type 316 Stainless Steel.

Standard Style CAB Cable Rings						
Cab Ring Size	Maximum Cable Diameter	Length Under Strand	Plain Rings		PVC Coated Rings	
			Quantity Per Box	Approximate Weight per box	Quantity Per Box	Approximate Weight per box
1 1/2	1 1/8	2 1/2	500	25 LB.	250	18 LB.
2	1 1/2	2 7/8	500	37 LB.	250	22 LB.
2 1/2	2	3 1/2	250	26 LB.	250	41 LB.
3	2 1/4	4 1/8	100	12 LB.	100	18 LB.
3 1/2	2 5/8	4 1/2	100	13 LB.	10	21 LB.
4	3	5	100	19 LB.	50	14 LB.
4 1/2	3 1/2	5 1/2	100	19 LB.	50	15 LB.
5	4	6 1/4	50	11 LB.	50	16 LB.
6	5	7 1/4	50	12 LB.	50	18 LB.

Long Style CAB Cable Rings						
Cab Ring Size	Maximum Cable Diameter	Length Under Strand	Plain Rings		PVC Coated Rings	
			Quantity Per Box	Approximate Weight per box	Quantity Per Box	Approximate Weight per box
1 1/2	1 1/8	4	250	18 LB.	100	13 LB.
2	1 1/2	4 7/8	250	25 LB.	100	18 LB.
2 1/2	2	6	250	34 LB.	100	22 LB.
3	2 1/4	7 1/8	100	16 LB.	100	26 LB.
3 1/2	2 5/8	8	100	18 LB.	100	29 LB.
4	3	9	100	25 LB.	50	18 LB.
4 1/2	3 1/2	10	100	28 LB.	50	22 LB.
5	4	11 1/4	50	16 LB.	50	25 LB.
6	5	13	50	19 LB.	50	29 LB.

Coastal Line Products Section Index

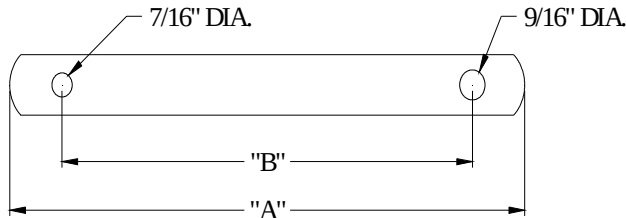
Section 12

Cross Arms, Braces & Brackets

Page	
2	Flat Cross Arm Brace
2	Cross Arm Brace
3	Pole Bands
3	Extension Straps
4	Offset Pole Bracket
4	Pole Top Extension
5	Corner Construction Brackets
6	Transformer Adapter Plates
6	Transformer Cluster Mounting Bracket
6	Transformer Mounting Plate
7	Bayonet, Ground Wire
8	Cable Suspension Support Strap
8	Cutout Mounting Bracket
9	Cable Extension Arms
10	Eyelet Clevises
11	Connecting Links (Pairs)
11	Extension Links
12	House Brackets
12	Rectangular Pole Band
13	Apparatus Mounting Brackets

Flat Cross Arm Brace

- * Flat Rolled Bar
- * Material: Stainless Steel Type 316

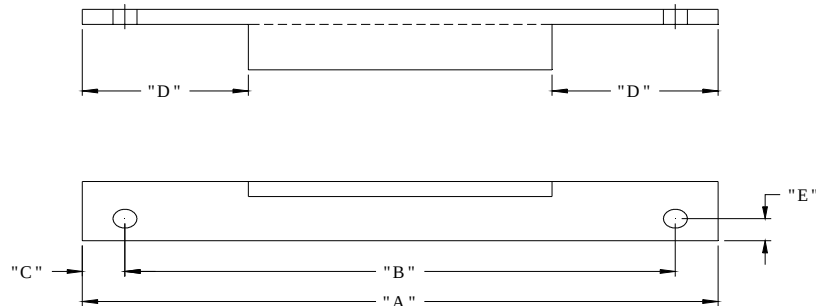


Part Number	"A" (Inches)	"B" (Inches)	Std. Package Bundles
61201001	18	16	25
61201002	20	18	25
61201003	22	20	25
61201004	24	22	25
61201005	26	24	25
61201006	28	26	25
61201007	30	28	25
61201008	32	30	25
61201009	34	32	25
61201010	36	34	25
61201011	40	38	25

Cross Arm Brace

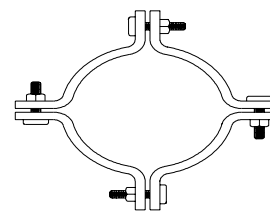
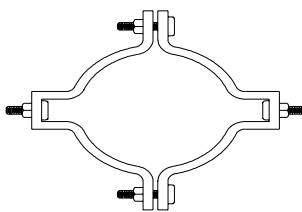
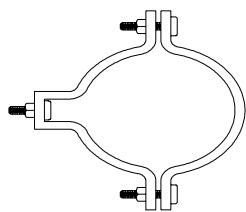
Material: Stainless Steel Type 316

- * For various sizes and applications, see Hydro Spec. M-194M.
- * Load interrupter switch Tie-angle for 27.6 and 44Kv.
- * Ground cable and support extension.
- * Support angle for corner construction.
- * Air-break switch side and tie angle.
- * Single pole mounting of 44Kv air-break switch.



Part Number	Size of Angle (Inches)	"A"	"B"	"C"	"D"	"E"	HOLE SIZE
61204001	1 1/2x1 1/2x1/8	4'-5"	4'-3"	1	3	3/4	9/16
61204002	1 1/2x1 1/2x1/8	5'-2"	5'-0"	1	3	3/4	9/16

Pole Bands



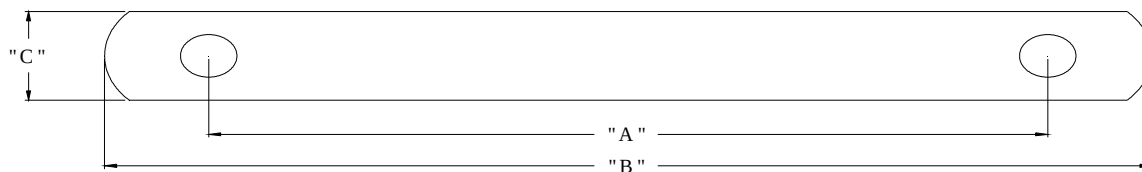
Single Take-Off		
Part Number	Pole Size Dia. (Inches)	Wgt. Lbs. 100 Pieces
A61212103	3 to 4 1/2	325
A61212104	4 to 5 1/2	340
A61212105	5 to 6 1/2	410
A61212106	6 to 7 1/2	430
A61212107	7 to 8 1/2	470
A61212108	8 to 9 1/2	500
A61212109	9 to 10 1/2	500

Double Take-Off		
Part Number	Pole Size Dia. (Inches)	Wgt. Lbs. 100 Pieces
A61212203	3 to 4 1/2	380
A61212204	4 to 5 1/2	410
A61212205	5 to 6 1/2	460
A61212206	6 to 7 1/2	500
A61212207	7 to 8 1/2	530
A61212208	8 to 9 1/2	560
A61212209	9 to 10 1/2	560

Quarter Take-Off		
Part Number	Pole Size Dia. (Inches)	Wgt. Lbs. 100 Pieces
A61212403	3 to 4 1/2	380
A61212404	4 to 5 1/2	410
A61212405	5 to 6 1/2	460
A61212406	6 to 7 1/2	500
A61212407	7 to 8 1/2	530
A61212408	8 to 9 1/2	560
A61212409	9 to 10 1/2	560

- * Formed from 1/4"x 1-1/2" flat Stainless Steel Type 316 bar.
- * Special size of bolt required when ordering.
- * Machine bolts supplied for clamping and take-off points.
- * Pole bands designed to accept either 1/2" or 5/8" x 2" machine bolts, both at clamp and take-off areas.
- * Other sizes on request.

Extension Straps

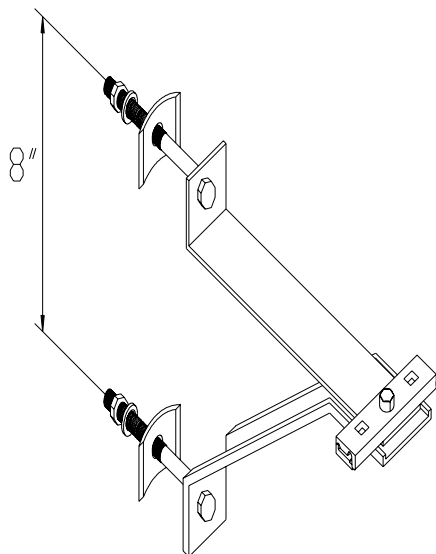


Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	Thickness (Inches)	Hole (Inches)	Wgt. Lbs. 100 Pieces
61213006	6	7 3/4	1 1/2	1/4	11/16	100
61213008	8	9 3/4	1 1/2	1/4	11/16	120
61213110	10	11 3/4	1 1/2	1/4	11/16	140
61213112	12	13 3/4	1 1/2	3/8	11/16	210
61213114	14	5 3/4	2	3/8	11/16	179
61213118	18	19 3/4	1 1/2	1/4	11/16	300
61213132	32	33 1/2	1 1/2	1/4	11/16	352

- * Provides additional clearance between primary conductor and ground.
- * Other sizes and drilling on request.
- * Material: Stainless Steel Type 316.

Offset Pole Bracket

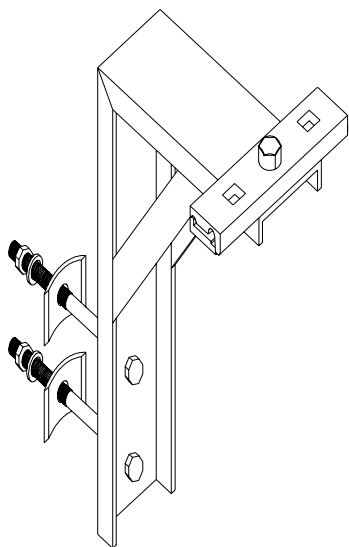
Part Number: A61214001



- * Provides 12" spacing from pole.
- * Three bolt guy clamp included.
- * Can be installed on 5Kv or 15Kv systems.
- * Mounting bolts ordered separately.
- * Material: Stainless Steel Type 316

Pole Top Extension

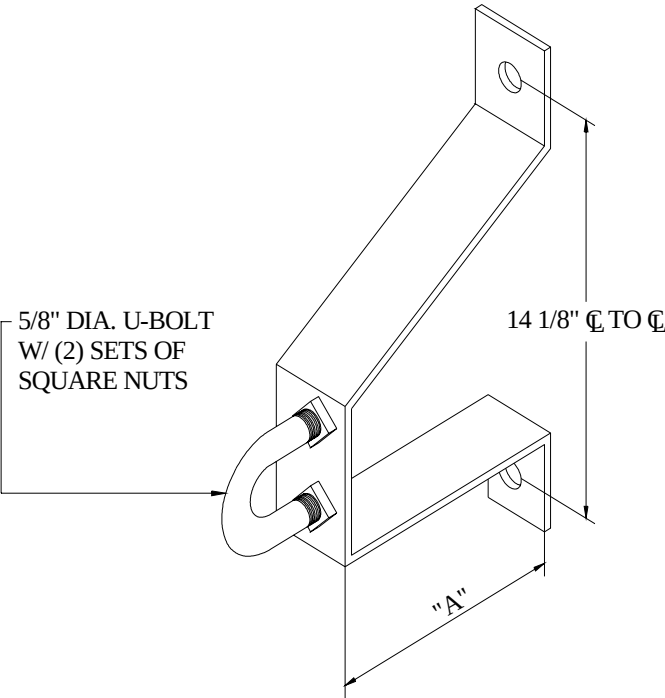
Part Number: A61215001



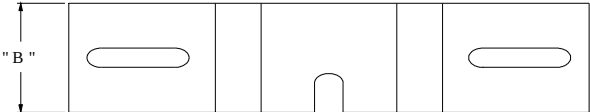
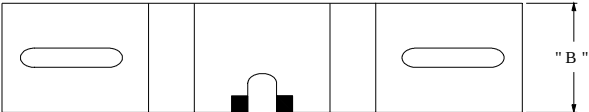
- * Gives adequate pole space on existing poles.
- * Allows extended tangent construction.
- * Three bolt guy clamp included.
- * Mounting bolts ordered separately.
- * Material: Stainless Steel Type 316

Corner Construction Brackets (Rigid)

- * Formed from Flat Stainless Steel Bar.
- * Used with suspension insulators to give clearance at angle position.
- * U-bolt supplied.
- * Material: Stainless Steel Type 316
- * Other sizes on request.



Part Number	Stn. Std. Bar Size	Extension "A"	Std. Pkg.	Wgt. Lbs. 100 Pieces
61217010	3/8" x 2"	10"	1	700
61217015	1/2" x 2	15"	1	1400



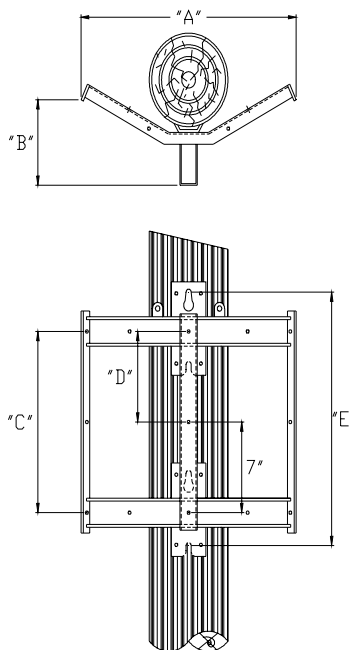
Transformer Adapter Plates

Material: Stainless Steel Type 316

Part Number	Duty	Plate Thickness	"B"	Std. Pkg.	Wgt. Lbs. 100 Sets
A61218002	Light	1/4	4	1 Set	900
A61218004	Heavy	7/16	5	1 Set	2500

- * Light duty plates used for transformers up to 1300 Lbs.
- * Heavy-duty plates for transformer up to 2200 Lbs.
- * Two plates required (upper & lower) for each transformer installation.

Transformer Cluster Mounting Bracket

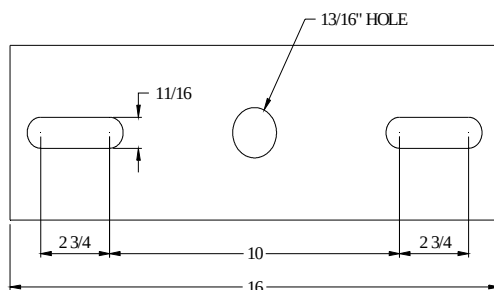


Part Number	Dimensions					Std. Pkg.	Wgt. Lbs. Each
	"A"	"B"	"C"	"D"	"E"		
A61219002	29 7/8	11 3/8	15	---	23 1/2	1	40
A61219004	34 1/4	12 7/8	22	15	30 1/2	1	65
A61219007	34 3/4	12 1/8	29	22	37 1/2	1	100

- * Rigid V-shaped construction.
- * Lifting eyes provided for raising with bracket or complete with two outer transformers in place.
- * Holes are provided for attaching bracing bolts. Bolts for pole mounting not included.
- * Cluster mounting bracket complete with 6 adapter plates (Part Number 61220001).
- * Stabilizing braces are recommended (A61219007).
- * Material: Stainless Steel Type 316

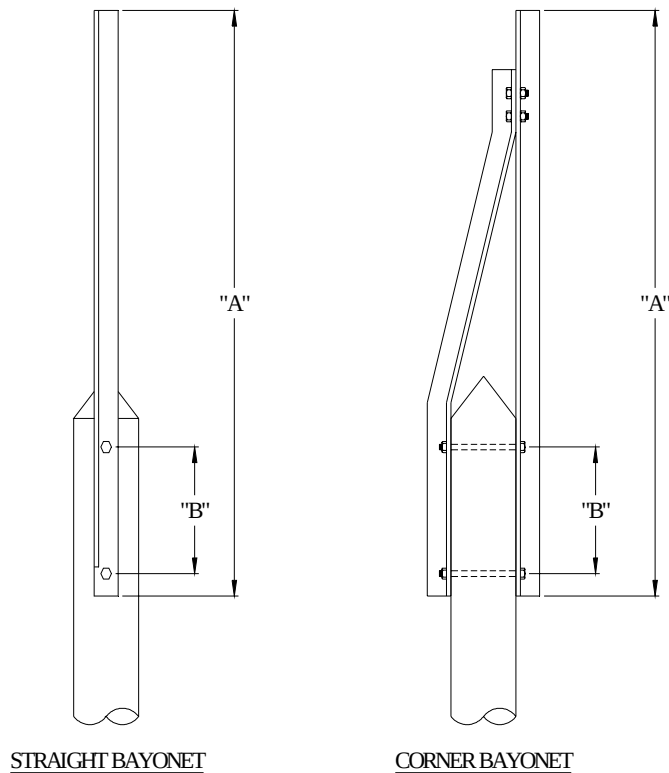
Transformer Mounting Plate

Part Number: 61220001



- * Made from 1/4" x 3" Stainless Steel Type 316 flat bar.
- * Used for adapting transformer lugs to single bolt on cluster.
- * Two plates required per transformer

Bayonets, Ground Wire



For supporting overhead ground wire on wood or steel poles. Bayonets have an 11/16” hole and an 11/16” pole-mounting slot to allow for inaccuracy in boring holes. Holes at top of bayonet allow use of ground wire clamps. Bolt used to fasten corner bayonets together are included. Pole mounting bolts and ground wire clamps are not included. Material: Stainless Steel Type 316.

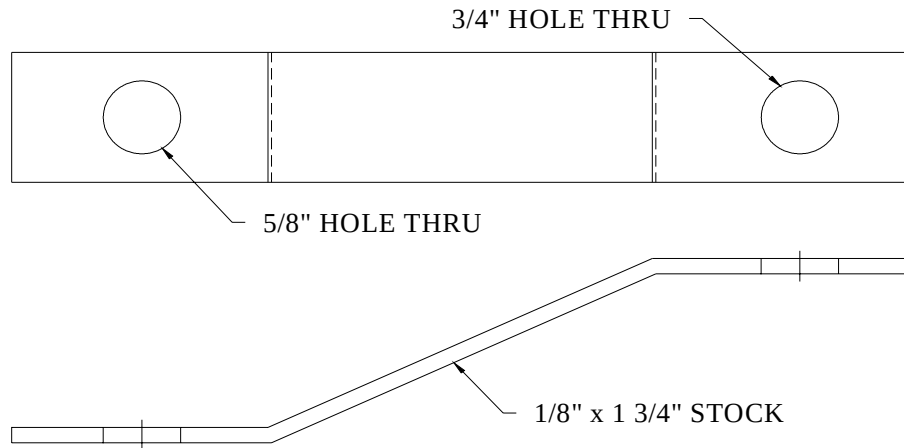
Straight Bayonets				
Part Number	Dimensions in Inches			Approx. Ship Wgt. Lbs. per 100 Pieces
	“A”	“B”	Angle Size	
61222001	36	10	2x2x1/4	957
61222002	66	15	2 1/2x2 1/2x1/4	2200
61222003	84	20	3x3x1/4	3430

Corner Bayonets				
Part Number	Dimensions in Inches			Approx. Ship Wgt. Lbs. per 100 Pieces
	“A”	“B”	Angle Size	
61222004	66	15	2x2x1/4	3509
61222005	84	20	2 1/2x2 1/2x1/4	5740

Cable Suspension Support Strap

Material: Stainless Steel Type 316

Part Number: 61224001

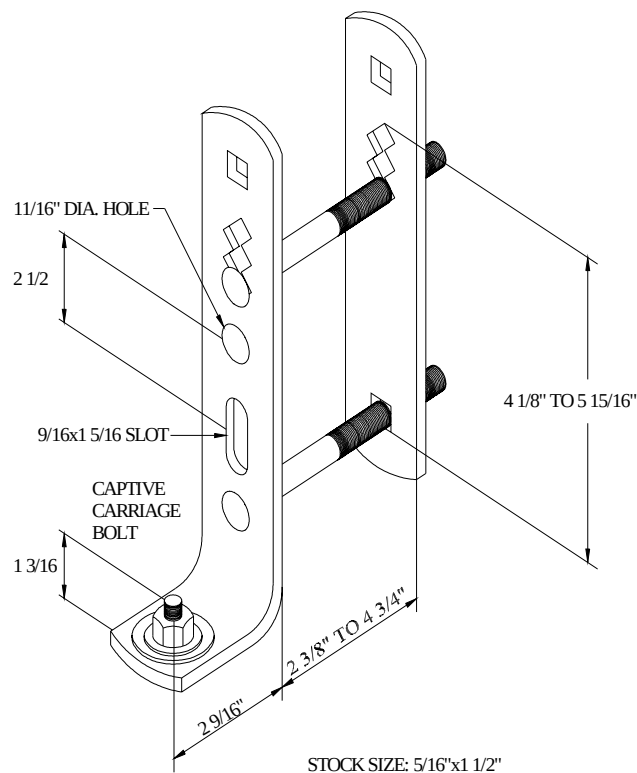


Cutout Mounting Bracket

Material: Stainless Steel Type 316

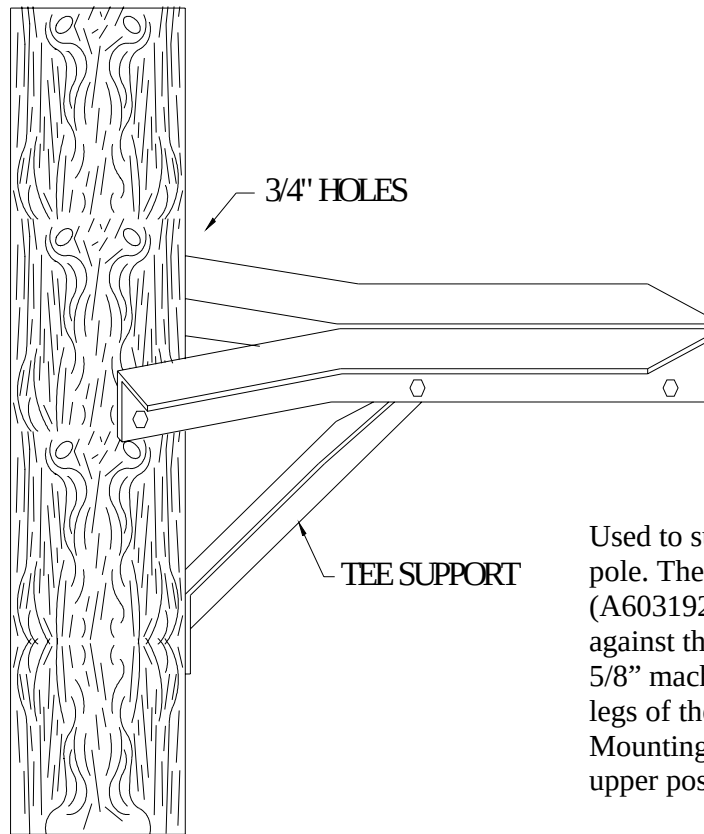
Part Number: A61223001

Cutout combination unit mounting brackets are engineered for strength and durability.



Cable Extension Arms

Material: Stainless Steel Type 316



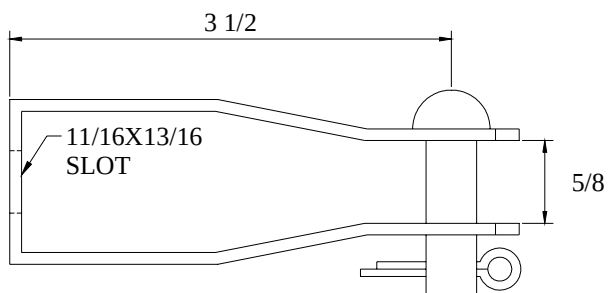
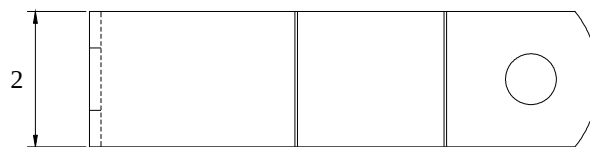
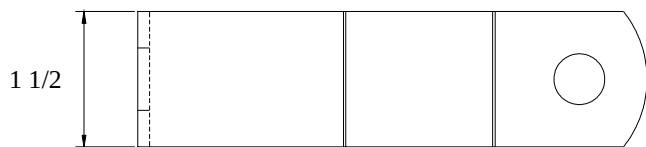
Used to support a telephone cable at a distance from the pole. The messenger wire is held by a standard (A60319200) suspension clamp which is bolted up against the under side of the angles by a stainless steel 5/8" machine bolt. The machine bolt goes between the legs of the two angles and permits adjustment. Mounting is accomplished by a 5/8" machine bolt at the upper position and 1/2" lag screw at the lower position.

Part Number	Description	Extension	Approx. Weight Lbs. 100 Pieces
A61225001	3"x2 1/2"x1/4" Angle	17 1/2 to 26	3000
A61225002	3 1/2"x2 1/2"x5/16" Angle	26 1/2 to 44 1/2	6000

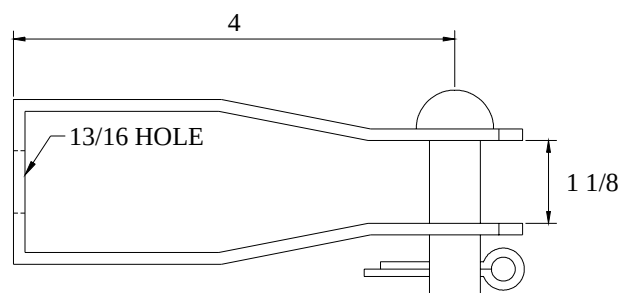
Eyelet Clevises

Material: Stainless Steel Type 316

Eyelet Clevises are used under a bolt head or nut for dead-ending suspension insulators. Both furnished complete with a 5/8 inch diameter button head bolt and self-locking cotter pin.



PART NUMBER
A61226001



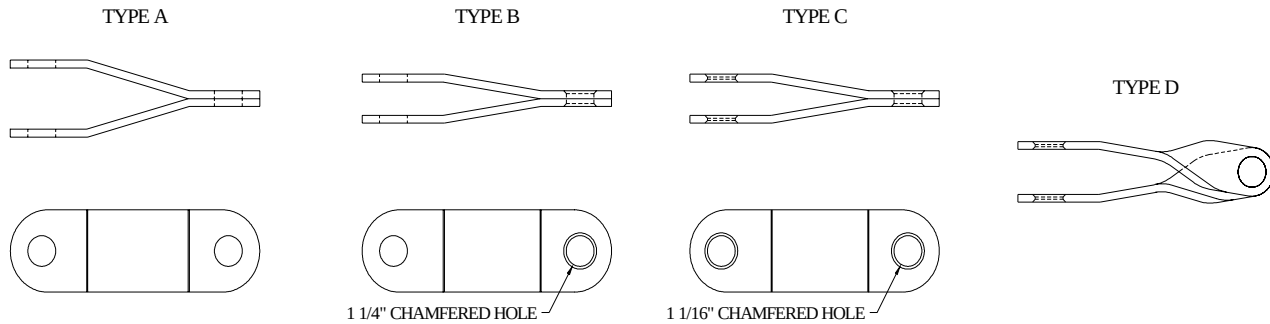
PART NUMBER
A61226002

Part Number	Size (Inches)	Bolt Dia. (Inches)	Lbs. per 100 Pieces
A61226001	1 1/2 x 3/16	5/8	98
A61226002	2 x 1/4	3/4	176

Connecting Links (Pairs)

Bands, Distribution and Transmission Accessories

Material: Stainless Steel Type 316



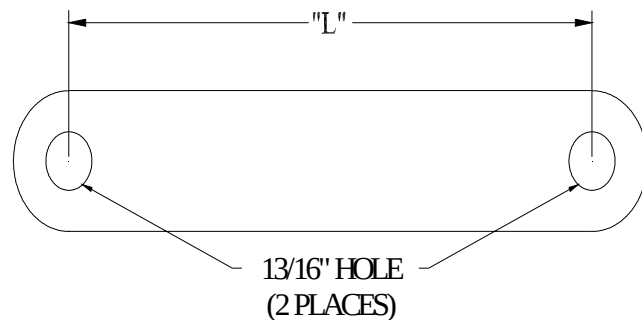
Part Number	Type	Size (Thickness) (Width x Length) (In.)	Length (From the centers) (Inches)	Hole Size (Inches)	Ultimate Strength Rating (Lbs.)	Weight (Lbs.) per 100 Pieces
61229001	A	1/4 x 2 x 9 1/2	7 1/2	13/16	20,000	261
61229002	A	1/4 x 2 x 9 1/2	7 1/2	15/16	26,000	259
61229003	B	1/4 x 3 x 9 1/2	7 1/4	13/16	20,000	384
61229004	B	1/4 x 3 x 9 1/2	7 1/4	15/16	26,000	384
61229005	A	3/8 x 2 x 9 1/2	7 1/2	15/16	33,000	395
61229006	B	3/8 x 3 x 9 1/2	7 1/4	15/16	33,000	582
61229007	C	3/8 x 3 x 9 1/2	7	1 1/16	45,000	584
61229008	B	3/8 x 3 x 9 1/2	7	1 1/16	40,000	576
61229009	C	1/2 x 3 x 12	9	1 1/16	81,000	1009
61229010	B	1/2 x 3 x 12	9	1 1/16	73,000	1000
61229011	D	3/8 x 2 x 9 1/2	7 1/2	15/16	33,000	383
61229012	D	3/8 x 3 x 10 1/2	7 1/2	1 1/16	45,000	611

Extension Links

Bands, Distribution and Transmission Accessories

Material: Stainless Steel Type 316

Part Number	Type	"L" Hole Spacing (Inches)	Approx. Shipping Weight (Lbs.) per 100 Pieces
61230001	Flat	6	176
61230002	Flat	12	325

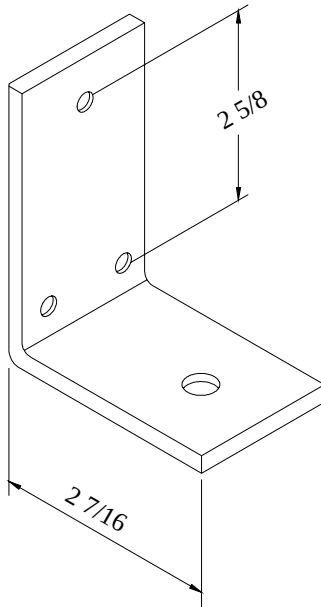


FLAT

House Brackets

Material: Hot Dipped Galvanize

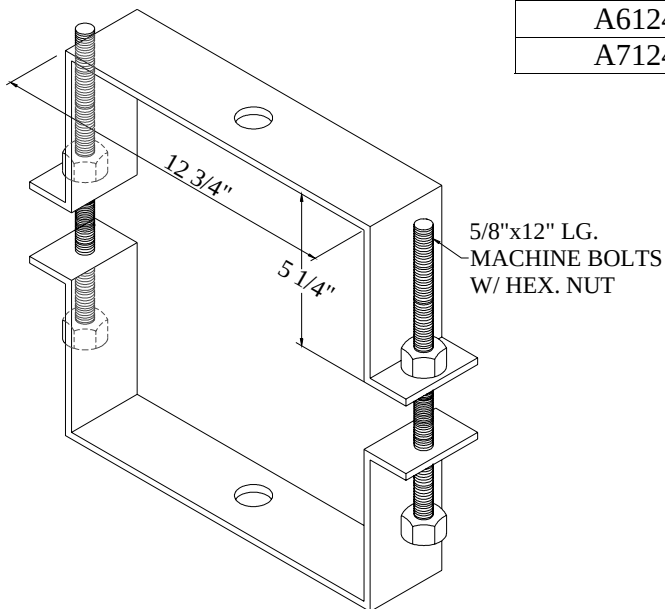
This House Bracket is used with porcelain knobs for telephone service drops. 5/16" mounting holes are for 1/4" lag. screws.



Part Number	Approximate Shipping Wgt. (Lbs.) per 100 Pieces
61234001	58

Rectangular Pole Band

Material: 1/4" x 3"

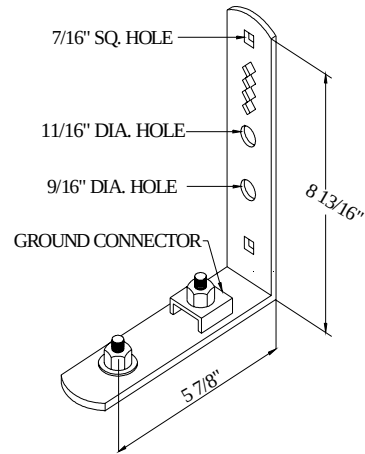
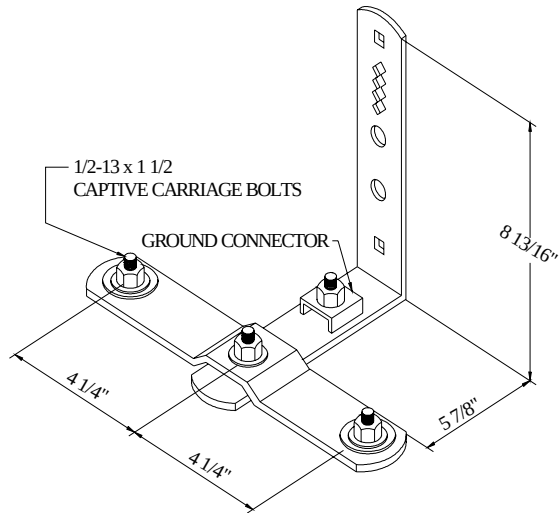
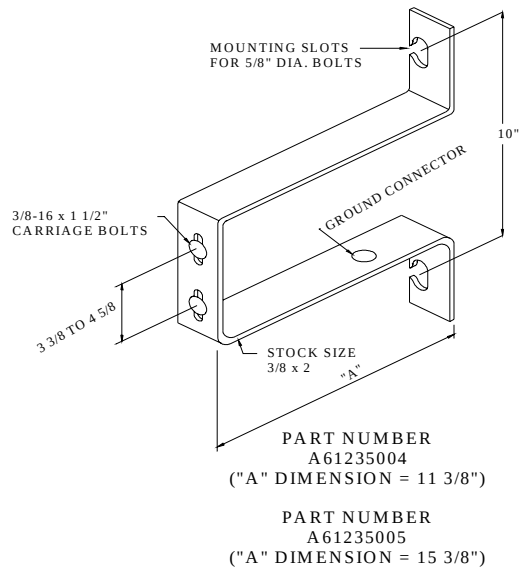
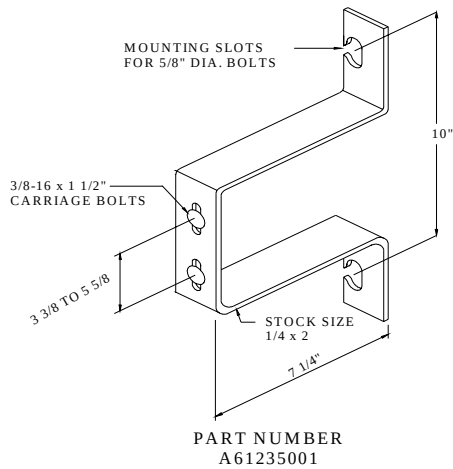


Part Number	Material
A61241000	Stainless Steel Type 316
A71241000	Galvanized Steel

Apparatus Mounting Brackets

Material: Stainless Steel Type 316

Overhead Pole Brackets



Part Number	Approx Shipping Weight (Lbs.) per 100 Pieces
A61235001	388
A61235002	435
A61235004	810
A61235005	1050
A61235007	550
A61235008	348

Coastal Line Products Section Index

Section 13

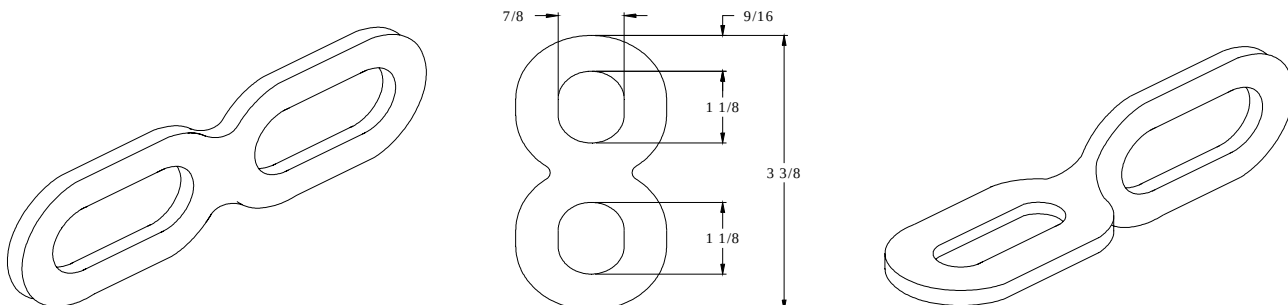
Insulator Hardware

Page	
2	Figure 8 Double Link
2	Single Upset Spool Bolts
3	Heavy Duty Insulator Pins
3	Insulator Pins (Primary Drop Wire)
3	Lead Pin Head Adapter
4	Secondary Clevises
5	Secondary Clevises (Triplex Support Bracket)
6	Socket Eye Clevis Adapter
6	Ball Clevis
7	Mounting Studs for Line Post Insulators
8	Pole Top Pin
8	Pole Top Extension Pin
8	Insulator Pins (Long Shank)
8	Insulator Pins (Short Shank)
9	Insulator Bracket
9	Insulator Mounting Bracket
10	Cutout Arrestor Combination Bracket
11	Stand Off Bracket
12	Transformer Pin, Lead Adapter
12	Pole Top Bracket
12	Secondary Racks

Figure 8 Double Link

Double Link Plain
Part Number: 61301001

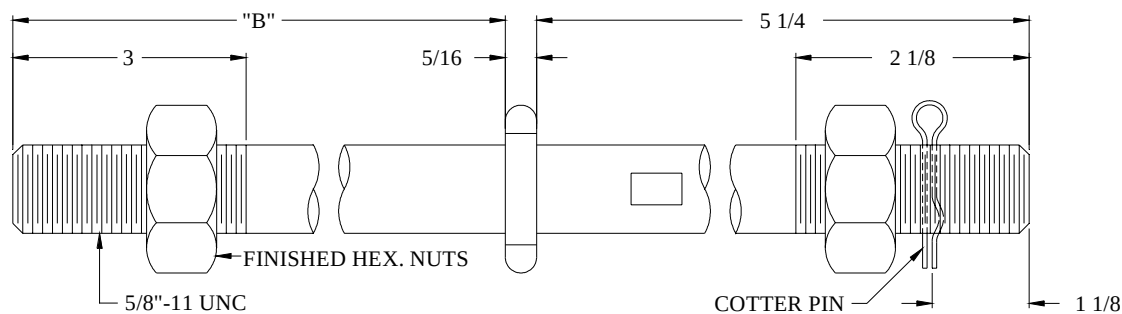
Double Link 90 Degree Twisted
Part Number: 61302001



- Drop forged Stainless Steel
- Material: Stainless Steel Type 316
- Nominal strength 18,000 Lbs.

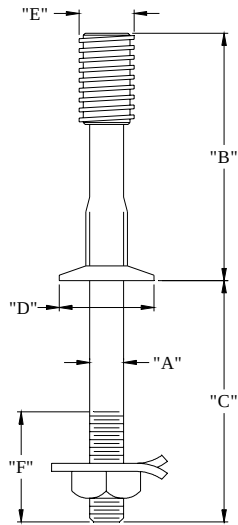
Single Upset Spool Bolts

- Drop Forged Stainless Steel Type 316.
- Supplied complete as shown.
- Used to support neutral wire.
- Spool insulator to be ordered separately.
- Wrench flats provided on shank.
- Cotter pin hole located 4 1/8" from the shoulder,



Part Number	Length "B" (Inches)	Approx. Wgt. Lbs. / 100 Pieces
61307008	8	140
61307010	10	160
61307012	12	180
61307014	14	200
61307016	16	220

Heavy Duty Insulator Pins

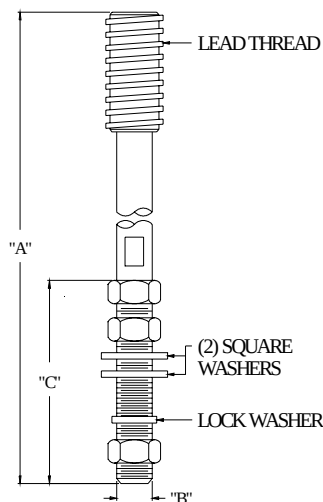


Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	"D" (Inches)	"E" (Inches)	"F" (Inches)
61309001	5/8	7	6	3 1/4	1 3/8	2 1/4
61309002	5/8	7	7	3 1/4	1 3/8	2 1/4
61309003	5/8	8	6	3 1/4	1 3/8	2 1/4
61309004	5/8	8	7	3 1/4	1 3/8	2 1/4
61309005	3/4	8	7	3 1/4	1 3/8	3
61309006	3/4	12	7	3 1/4	1 3/8	3
61309007	3/4	13	7	3 1/4	1 3/8	3
61309008	3/4	6	7	3 1/4	1 3/8	3
61309009	3/4	7	7	3 1/4	1 3/8	3

- C.S.A. Die cast lead thread.
- Heavy duty malleable pin with Stainless Steel stud complete with spur washer & nut.
- Material: Stainless Steel Type 316.
- Other sizes upon request.

Insulator Pins

Primary Drop Wire



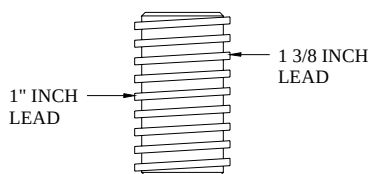
Part Number	Dia. (Inches)	Length (Inches)	"A" (Inches)	"B" (Inches)	"C" (Inches)
61333001	1	1 3/4	7	5/8-11	2 1/4
61333002	1	1 3/4	9	5/8-11	2 1/4
61333003	1	1 3/4	10	5/8-11	2 1/4
61333004	1	1 3/4	12	5/8-11	2 1/4
61333005	1	1 3/4	17	5/8-11	11
61333006	1	1 3/4	20	5/8-11	11
61333007	1	1 3/4	24	5/8-11	16
61333008	1 3/8	2	12	3/4-10	2 1/4
61333009	1 3/8	2	24	3/4-10	2 1/4

- C.S.A. Die cast lead thread.
- Round Stainless Steel Type 316 bar supplied w/ 3 nuts, 2 square washers & 1 lock washer.
- Nylon insert lock nut can be supplied on request.
- Two flats provided for wrench holding.
- Other sizes and thread lengths on request.

Lead Pin Head Adapter

Part Number: X1310001

(Thimble Adapter)



- C.S.A. Standard.
- Lead pin adapter saves pin replacement.
- Enables use of an insulator with 1 3/8" lead thread hole, over pin insulator with 1" lead thread .



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Phone: 800-966-4210 or 330-588-8709

Fax: 866-551-8700 or 330-588-8700

info@coastallineproducts.com

Secondary Clevises

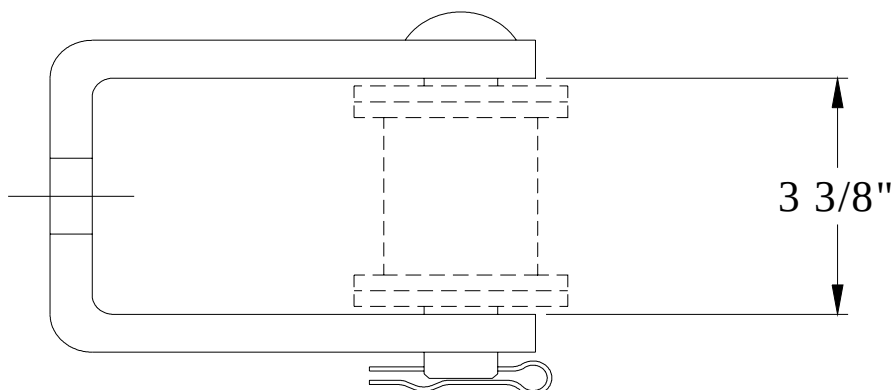
(Spool Insulator Clevises)

(ANSI Class 53-2)

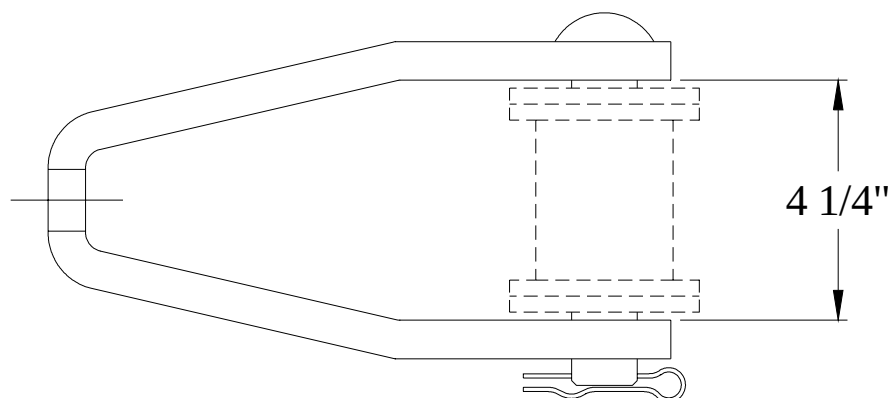
Part Number: 61311001

Type N

Base to center of Insulator 4"



- Clevises made from 3/16" x 2" Flat Stainless Steel Type 316 Bar supplied with 5/8" cotter bolt and cotter pin.
- Mounting holes are 11/16" x 7/8".
- Spool insulators to be ordered separately.

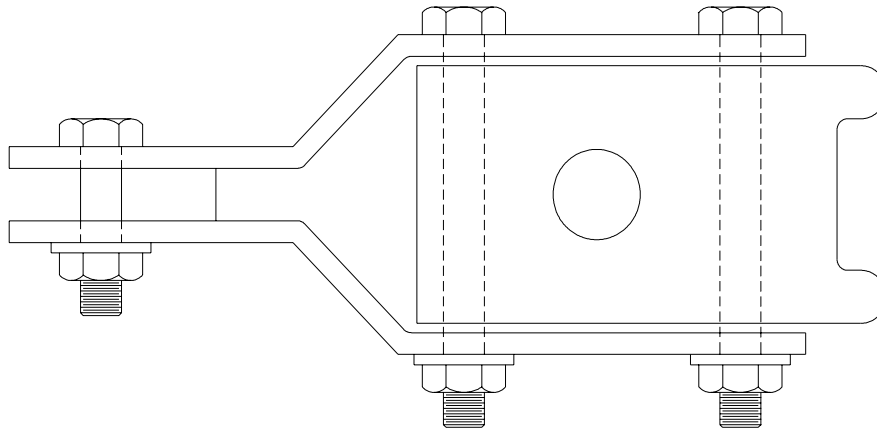


Part Number: 61311003

Base to center of Insulator 5 3/4"

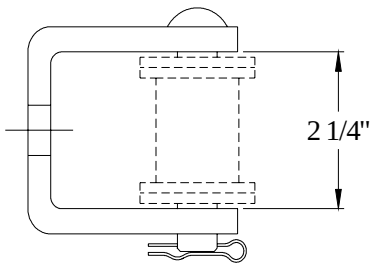
- Clevises formed from 3/16" x 1-1/2" Flat Stainless Steel Type 316 bar supplied with 5/8" cotter bolt and cotter pin.
- Mounting holes are 11/16" x 7/8".
- Spool insulators to be ordered separately.

Secondary Clevises (Triplex Support Bracket)



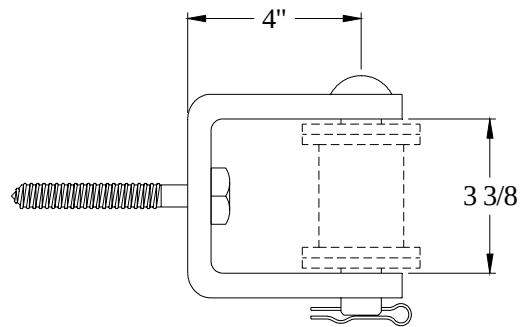
Part Number: 61312001

- Insulator to be supplied separately.
- Flat Stainless Steel Type 316 Bar.



Part Number: 61312002

- * Base to center of insulator 2-11/16\".
- * Spool insulator ANSI Class 53-2.
 - Flat Stainless Steel Type 316 (3/16\"x 1-1/2\").
 - Supplied with cotter bolt and brass cotter pin.
 - Other sizes on request.
 - Spool insulators to be ordered separately.

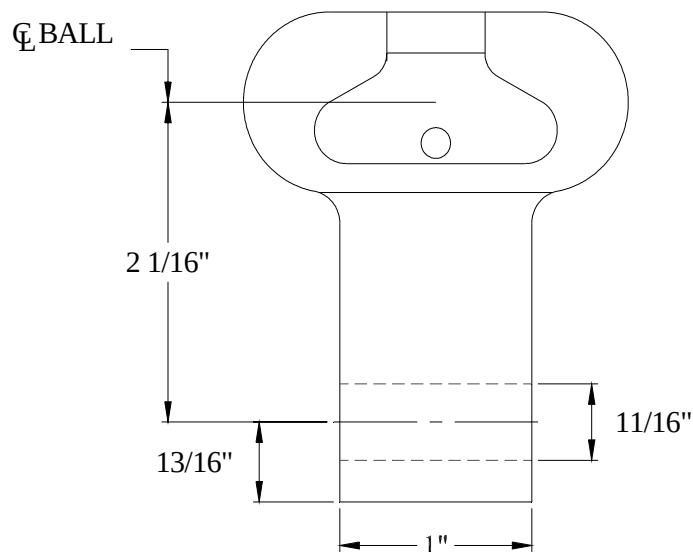


Part Number: 61312003

- * With Gimlet point lag bolt.
- * Spool insulators to be ordered separately.

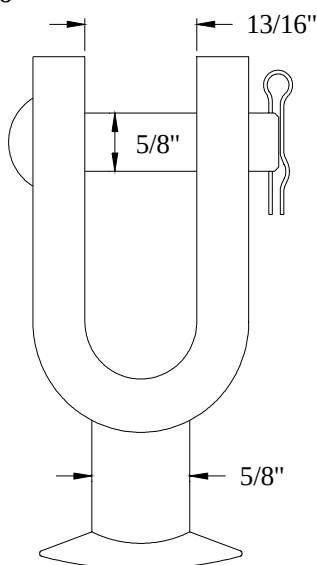
Socket Eye Clevis Adapter

- Part Number: 61317001
- For use with Ball-Socket Insulators and Clevis Type Fittings
- Drop forged casting.
- U.T.S. 30,000 Lbs.
- Material: Stainless Steel Type 316

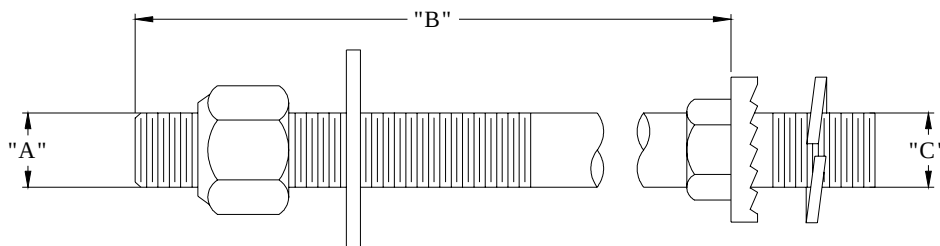


Ball Clevis

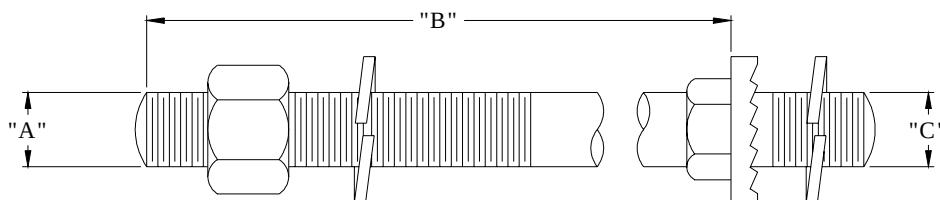
- Part Number: 61319001
- Used for attaching suspension insulators to towers in place of nooks & eyes
- Drop forged casting.
- Nominal strength 25,000 Lbs.
- Material: Stainless Steel Type 316



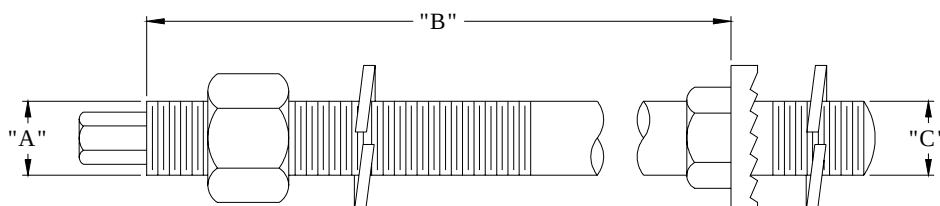
Mounting Studs For Line Post Insulators



FOR WOOD CROSSARM AND
HOLLOW STEEL CROSSARMS
PART NUMBERS: 61322003 & 61322004



FOR STEEL ANGLE ,CHANNEL CROSSARM
STAND-OFF AND POLE TOP BRACKETS
PART NUMBER 61322001

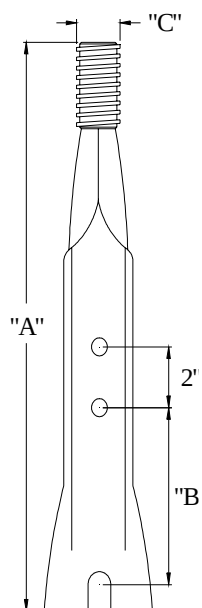


FOR STEEL ANGLE ,CHANNEL CROSSARM
STAND-OFF AND POLE TOP BRACKETS
PART NUMBER: 61322002

Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)
61322001	3/4	2 1/8	3/4
61322002	3/4	2 1/8	3/4
61322003	3/4	6 7/8	3/4
61322004	3/4	6	3/4

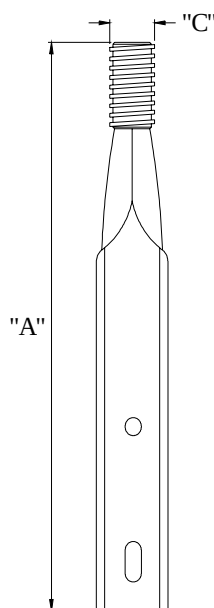
- Made from Stainless Steel Type 316.
- All studs made with hexagon to fit 11/16" size wrench.
- Studs also available with end hexagon for 9/16" socket wrench (Part Number: 61322002).

Pole Top Pin



Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)
61323001	18	8	1 3/8
61323002	22	8	1 3/8
61323003	24	8	1 3/8
61323004	30	8	1 3/8
61323005	18	8	1
61323006	24	8	1
61323007	30	8	1

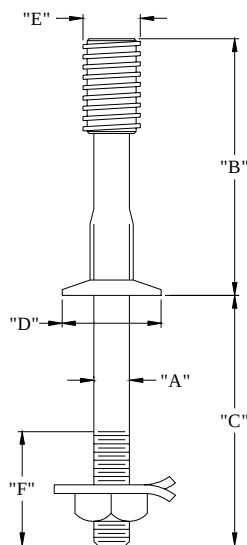
- * C.S.A. die cast lead threads.
- * Heavy gauge, rigid & strong.
- * Mounting hole 11/16".
- * Material: Stainless Steel Type 316



Part Number	"A" (Inches)	"C" (Inches)
61324001	36	1
61324002	44	1
61324003	48	1
61324004	36	1 3/8
61324005	44	1 3/8
61324006	48	1 3/8

- * C.S.A. die cast lead threads.
- * Made from heavy duty channel.
- * Extra strength for supporting conductor above wood pole top.
- * Material: Stainless Steel Type 316

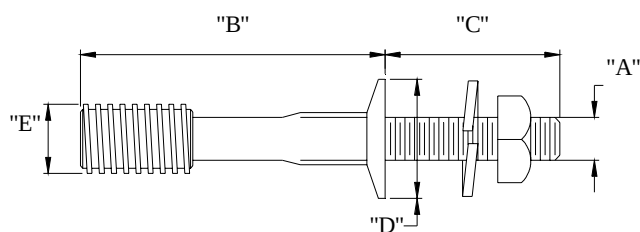
Insulator Pins (Long Shank)



Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	"D" (Inches)	"E" (Inches)	"F" (Inches)	Wgt. Lbs. 100 Pieces
61325001	1/2	3 3/4	5 1/2	1 3/4	1	2	125
61325002	1/2	4 3/4	5 1/2	1 3/4	1	2	130
61325006	5/8	4 3/4	5 1/2	2	1	2 1/2	165
61325007	5/8	4 3/4	6 1/2	2	1	2 1/2	170
61325008	5/8	6	4 3/4	2	1	2 1/2	180
61325009	5/8	6	5 1/2	2	1	2 1/2	185
61325010	5/8	6	6 1/2	2	1	2 1/2	195
61325012	3/4	6	5 1/2	2	1 3/8	2 1/2	195
61325016	3/4	4 3/4	5 3/4	2 1/2	1	3	230
61325017	3/4	6	5 3/4	2 1/2	1	3	250
61325018	3/4	6	6 3/4	2 1/2	1	3	260
61325019	3/4	6	5 3/4	2 1/2	1 3/8	3	290
61325020	3/4	6	6 3/4	2 1/2	1 3/8	3	310
61325021	3/4	6	7	2 1/2	1	3	265

- * C.S.A. die cast lead thread.
- * Drop forged pins-equipped with spur washer & square nut.
- * Tapered body for maximum strength.
- * Material: Stainless Steel Type 316.

Insulator Pins (Short Shank)



Part Number	"A" (Inches)	"B" (Inches)	"C" (Inches)	"D" (Inches)	"E" (Inches)
61326001	5/8	4 3/4	1 1/2	2 1/2	1
61326002	5/8	5	1 1/2	2 1/2	1
61326003	3/4	12	1 3/4	3 1/4	1 3/8
61326004	3/4	6	1 1/2	2 1/2	1
61326005	3/4	8	1 1/2	3 1/4	1 3/8
61326006	3/4	13	1 3/4	3 1/4	1 3/8



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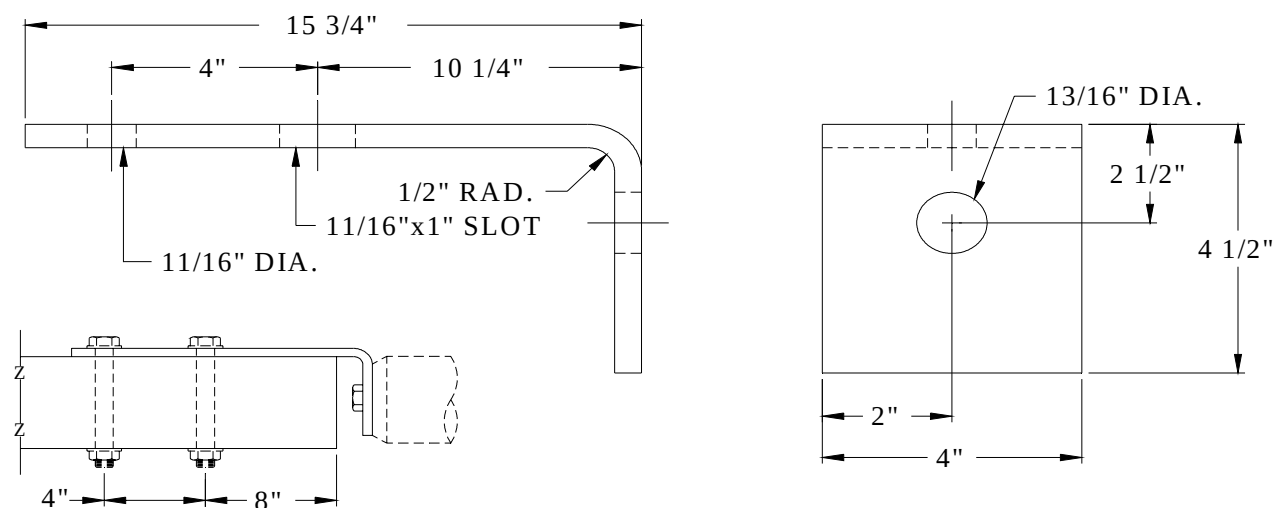
info@coastallineproducts.com

Insulator Bracket

(For Drop Dead Lead)

Part Number: 61328001

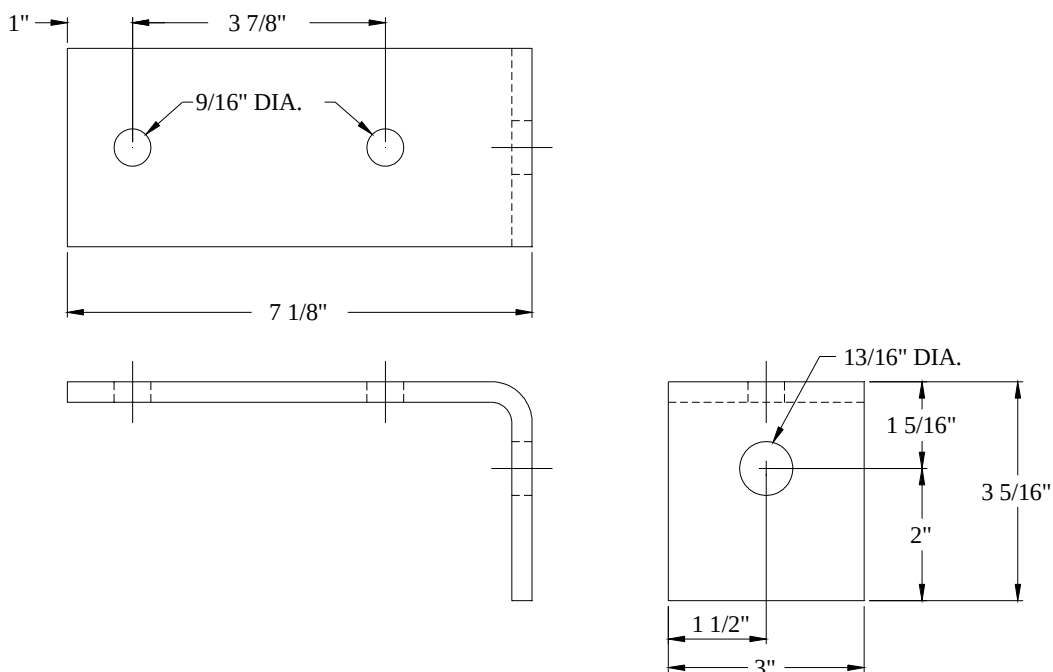
- Made from 1/2" x 4" flat bar.
- Material: Stainless Steel Type 316



Insulator Mounting Bracket

Part Number: 61329001

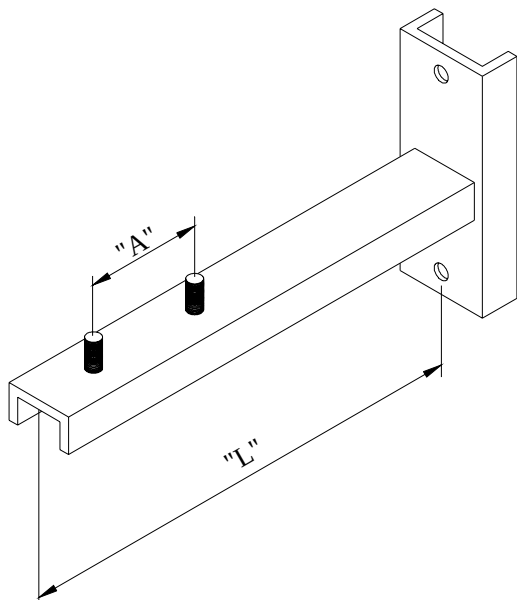
- Made from 5/16" x 3" flat bar.
- Material: Stainless Steel Type 316



Cutout Arrestor Combination Bracket

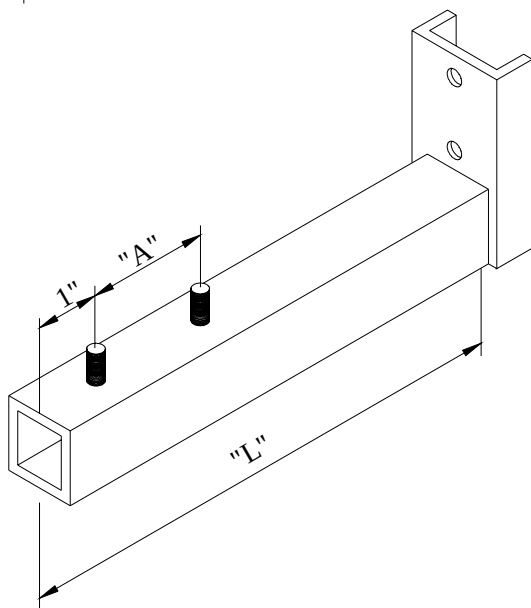
(Single-phase combination bracket)

- * All brackets are made from channel, square tube or round tube.
- * Both cutouts & lighting arresters can be mounted individually in single or three phase clusters.
- * New improved design or greater stability.
- * Cutouts can be closed from any angle.
- * Material: Stainless Steel Type 316



Part Number	"L" (Inches)	"A" (Inches)
61330006	6	NONE
61330013	13 1/2	3 1/4
61330018	18	3 1/4

* Specify Dimension "A"

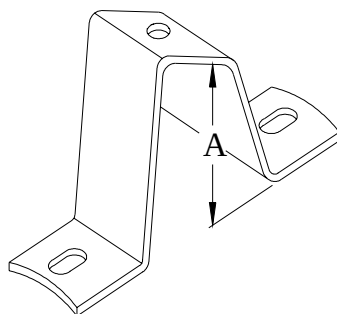


Part Number	"L" (Inches)	"A" (Inches)
61330019	19	10
61330023	23 1/2	13

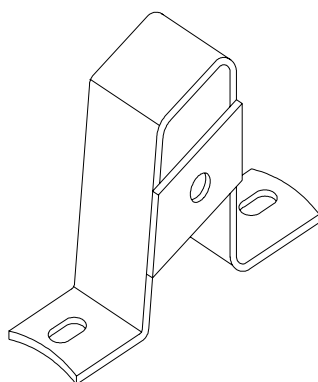
* Specify Dimension "A"

Stand Off Bracket

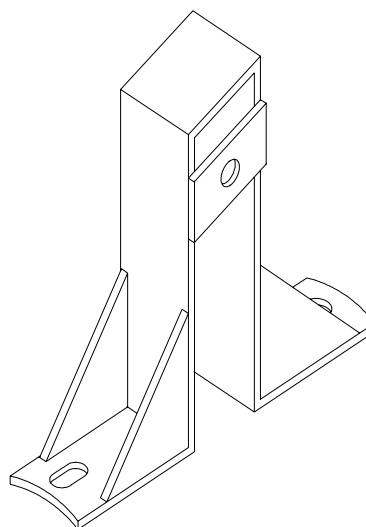
(Post Type Insulator)



PART NUMBER: 61332001
PART NUMBER: 61332002



PART NUMBER: 61332005



PART NUMBER: 61332018

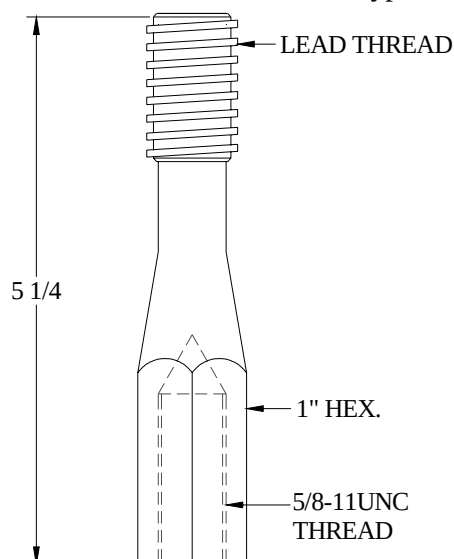
Part Number	"A" (Inches)	Slot Size	Hole (Inches)
61332001	3	13/16 x 1 1/4	13/16
61332002	9	13/16 x 1 1/4	13/16
61332005	9	13/16 x 1 1/4	13/16
61332018	18	13/16 x 1 1/4	13/16

- * Heavy duty bracket for line post insulator mounting.
- * Can also be used with Stainless Steel pin with pin type mounting.
- * Part number 61332005 and 61332018 have side plates for mounting insulator pins and insulators for 90 degrees take off.
- * Material: Stainless Steel Type 316

Transformer Pin

Lead Adapter

Material: Stainless Steel Type 316



These Transformer Lead Adapter Pins have cast lead threads for ANSI Standard pin type insulators. They are threaded on the end of a 5/8 inch bolt.

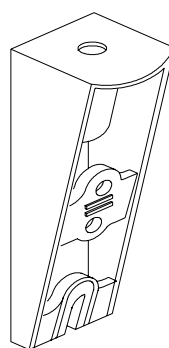
Part Number	Lead Thread Size (Inch)	Approx. Shipping Weight (Lbs. per 100 Pieces)
61335001	1	81
61335002	1 3/8	150

Pole Top Bracket

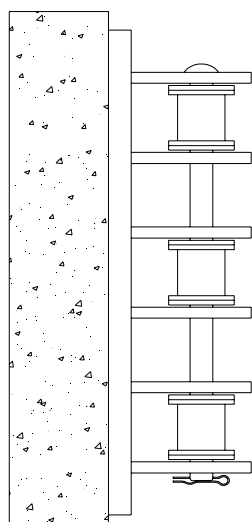
Part Number: 61338001

Material: Stainless Steel Type 316 Cast

- * Heavy duty
- * Stud dia. 3/4"
- * Pole mtg. dia. 5/8"
- * Bolt centers 8"



Secondary Racks



Material: Stainless Steel Type 316

Smooth, rounded pressed steel struts will not damage insulation when stringing secondaries. The curved back fits snugly to the pole with a 3-1/4" wide bearing surface. Mounting slots on the extended styles are for 5/8" bolts and are spaced so that the racks may be mounted on the opposite side of the pole from a pole mounted transformer using the same mounting bolts. The groove in the back will retain a 5/8" square nut permitting the rack to be installed over existing bolts without disturbing present installations. Insulators should be ordered separately.

Catalog Number (Less Insulators)	Number Of Wires	Wire Spacing (Inches)	Overall Length (Inches)	End Mounting Hole Spacing (Inches)	Approximate Shipping Weight (Lbs per 100 pieces)
61336001	2	8	18	16	540
61336002	3	4	18	16	540
61336003	3	3	26	24	760
61336004	3	12	34	32	980
61336005	4	8	34	32	980

Coastal Line Products Section Index

Section 14

Page	Fiber Optic Cable Hardware
2	Kevlar / Aramid Messenger Cable Fittings
3	Positive Grip "OK" Fittings for ADSS Cable

Kevlar / Aramid Messenger Cable Fittings

* U.S. Patent # 5,351,366

Readily Field Installable

Can be field installed under any weather conditions with untrained people in less than 5 minutes. Quicker to assemble than chemically potted fittings. Not unwieldy like the long helical fittings.

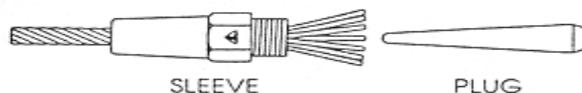
Soft Transition Point

The EPCM Boot provides a bending strain relief where the messenger exits the fitting.

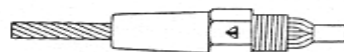
Electroline Kevlar fittings are manufactured from 6061-T6 aluminum (stainless steel bail), providing a strong lightweight, weather resistant termination. Quality controls are maintained to at least MIL-I-45208A standards.

Typical Assembly

Rope passed through sleeve and strands fanned out for insertion of plug.

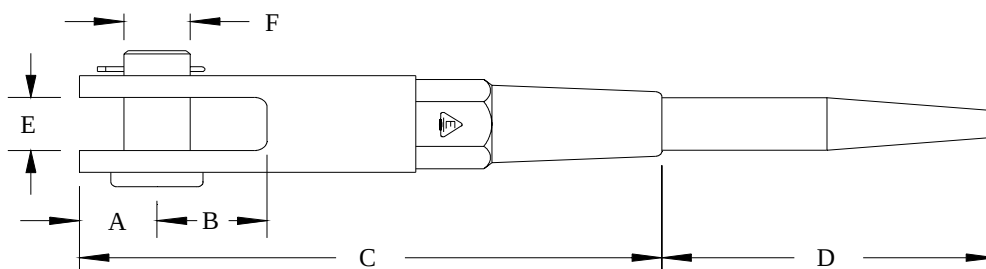


Plug driven in and strands taped together.



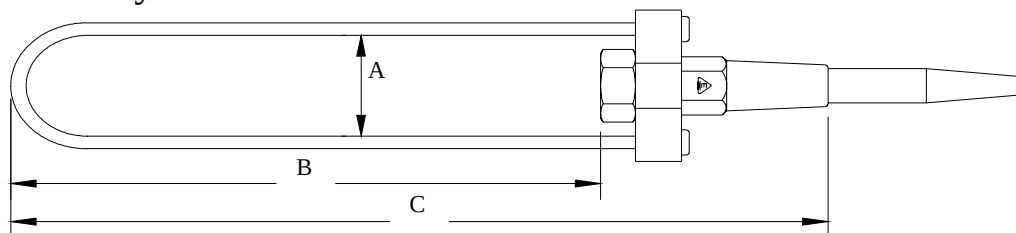
(see specific Assembly Procedures for details)

Clevis Assembly



Cable Diameter	Cable RBS	Clevis Assembly	Dimensions (Inches)					
			"A"	"B"	"C"	"D"	"E"	"F"
.30	4000	PA4001	3/4	1	5 5/8	3 7/32	11/16	5/8
.35 / .38	8000	PA8001	3/4	1	6 7/16	3 7/32	11/16	5/8
.43	11200	PA11201	3/4	1	7 1/8	3 7/32	11/16	5/8
.51	15000	PA15001	1	1 1/8	9 5/8	3 9/16	13/16	11/16
.59	20800	PA20801	1 1/8	1 1/4	10 3/8	3 9/16	13/16	3/4

Bail Assembly



Cable Diameter	Cable RBS	Bail Assembly	Dimensions (Inches)		
			"B"	"E"	"C"
.30	4000	PA4000	5	1 3/4	8 5/8
.35 / .38	8000	PA8000	4 5/8	1 3/4	9
.43	11200	PA11200	5 5/8	2 1/8	10 3/4
.51	15000	PA15000	7 3/8	2 1/8	15
.59	20800	PA20800	8 7/8	2 1/8	17



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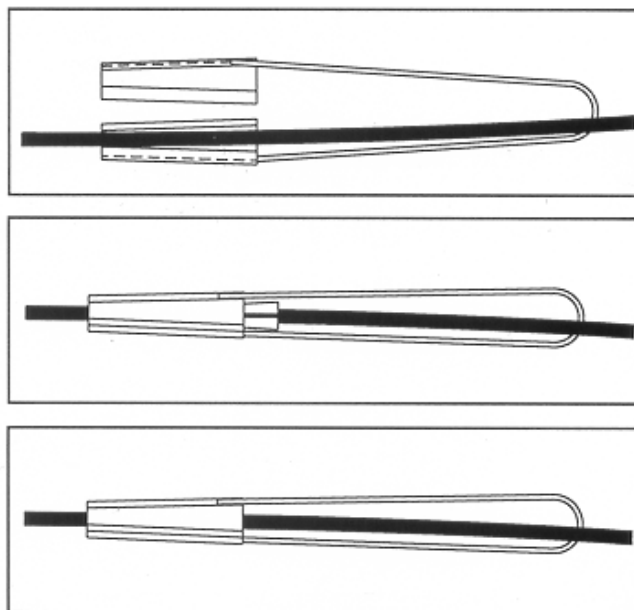
info@coastallineproducts.com

Positive Grip “OK” Fittings for ADSS Cable

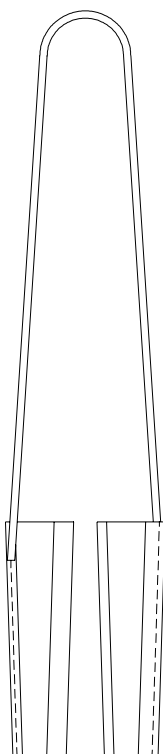
For Optical Kevlar, All Dielectric Self Supporting, Free-Span, Aerial and Oceanographic Cables

* U.S. Patent # 4,509,233 * 5,308,026 * UK # 2,141,527

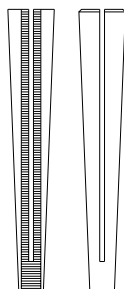
- 1.) Place the bail assembly over the cable, laying the cable in the tapered groove on one side.
- 2.) Squeeze the assembly together, fitting the edge on one taper plate into the rolled edge of the other.
- 3.) While holding the assembly together, fit the 2 piece collets over the cable and then pull the bail assembly back over the collets.
- 4.) Pull on the cable, by hand, to further seat the collets. The assembly is now ready for use.



KEVLAR MID SPAN



MID SPAN PLUG



Designed for mid-span applications on all dielectric self-supporting fiber optic cables with the tight buffer tube construction and for ultimate loads not exceeding 1000 Lbs.

Cable Diameter		Catalog Numbers
MM	Inch	
6	.25	OK*125
7	.28	OK*128
8 – 8.5	.31 - .33	OK*133
9 – 9.5	.37	OK*137
10.5	.41	OK*141
12 – 12.7	.48 - .50	OK*150
13.5 - 14	.53 - .56	OK*156

Bail style can vary depending on application

Coastal Line Products Section Index

Section 15

Page	Lashing Wire
2	Stainless Steel Lashing Wire
3	Silicon Tin Bronze Lashing Wire
4	Lashing Wire Clamp

Stainless Steel Lashing Wire

These stainless steel wires are intended for lashing aerial cable to messenger strand with standard commercial lashers such as Class C & Class D.

Part Number	Type	Material	Wire Dia. (Inches)	Nominal Coil Size		Avg. Break Strength (Lbs.)	Minimum Elongation	# Coils Per box	Approx. Ship Wgt. Per box (Lbs.)
				Lbs.	* Feet				
045SA430L	430	Stainless Steel	.045	6.62	1200	125	20% in 10"	6	40
061SA430L-1	430	Stainless Steel	.061	4.40	450	225	20% in 10"	6	27
061SA430L-2	430	Stainless Steel	.061	6.30	650	225	20% in 10"	6	38
065SA430L-1	430	Stainless Steel	.065	5.10	450	250	20% in 10"	6	31
065SA430L-2	430	Stainless Steel	.065	7.30	650	250	20% in 10"	6	44
038SA302L	302	Stainless Steel	.038	6.29	1600	115	20% in 10"	6	37
045SA302L	302	Stainless Steel	.045	6.62	1200	165	20% in 10"	6	40
061SA302L-1	302	Stainless Steel	.061	4.40	450	290	20% in 10"	6	27
061SA302L-2	302	Stainless Steel	.061	6.30	650	290	20% in 10"	6	38
065SA302L-1	302	Stainless Steel	.065	5.10	450	335	20% in 10"	6	31
065SA302L-2	302	Stainless Steel	.065	7.30	650	335	20% in 10"	6	44
038SA316L	316	Stainless Steel	.038	6.29	1600	115	20% in 10"	6	37
045SA316L	316	Stainless Steel	.045	6.62	1200	165	20% in 10"	6	40
061SA316L-1	316	Stainless Steel	.061	4.40	450	290	20% in 10"	6	27
061SA316L-2	316	Stainless Steel	.061	6.30	650	290	20% in 10"	6	38
065SA316L-1	316	Stainless Steel	.065	5.10	450	335	20% in 10"	6	31
065SA316L-2	316	Stainless Steel	.065	7.30	650	335	20% in 10"	6	44
10160045	649	Bronze	.045	6.62	1200	150	6% in 10"	6	40
10160061	649	Bronze	.061	7.30	650	270	6% in 10"	6	38

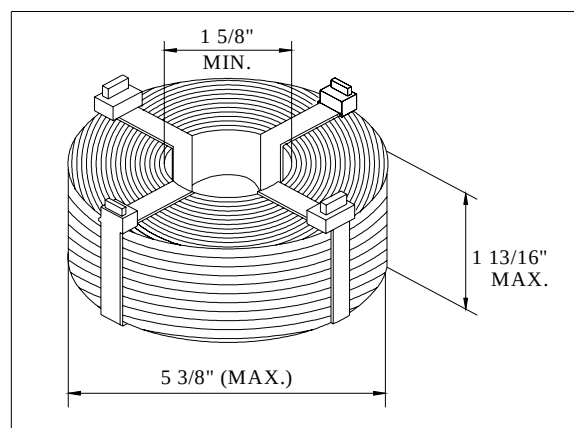
* Nominal footage of coils may vary by 30 Ft.

For use with Model "K" Lasher

Available in .045" diameter and .061" diameter on 750 ft. and 1400 ft. aluminum spools. (Add suffix SP to P/N)

Free Wound Coils

The coils (6 per box) are furnished with straight hubs and bound with diametrically opposed safe, weather resistant, and easily removed plastic ties. Box dimensions (with 6 coils each): 6-5/8" high, 5-3/4" wide, 11-1/4" long. Full pallet holds 84 boxes (504 coils)



Warranty: Lashing wire is guaranteed against manufacturing defects. Defective products will be replaced or adjustments made provided we are notified promptly. We cannot be responsible for labor charges and our liability shall not exceed replacement cost to us.

Specifications:

.045" Type 430 is in accordance with Bell Telephone Laboratories Specifications AT-7153. All types are wax coated per AT-7153.

Chemistry: Wires conform to appropriate AISI Type 430, 302 or 316 chemistry.

	Maximum					Range		
	C	MN	P	S	SI	CR	NI	HO
Type 430 (UNS-S43000)	0.12	1.00	0.040	0.030	1.00	16.00 / 18.00		
Type 302 (UNS-S30400)	0.08	2.00	0.040	0.030	1.00	18.00 / 20.00	8.00 / 10.50	
Type 316 (UNS-S31600)	0.08	2.00	0.040	0.030	1.00	16.00 / 18.00	10.00 / 14.00	2.00 / 3.00



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Silicon Tin Bronze Lashing Wire

Specifications:

Physical Analysis

Diameter	- .045 and .061
Alloy	- CDA-649 Silicon Tin Bronze
Tensile	- 95,000 to 115,000 Psi
Elongation	- 6%
Resistivity	- 63.7 – 70.4 Ohms per Cir. Mil Ft.

Chemical Analysis

Copper	- 97.88
Lead	- .01 (Less than)
Iron	- .02
Zinc	- .02
Tin	- .97
Silicon	- 1.09
Manganese	- .01 (Less than)



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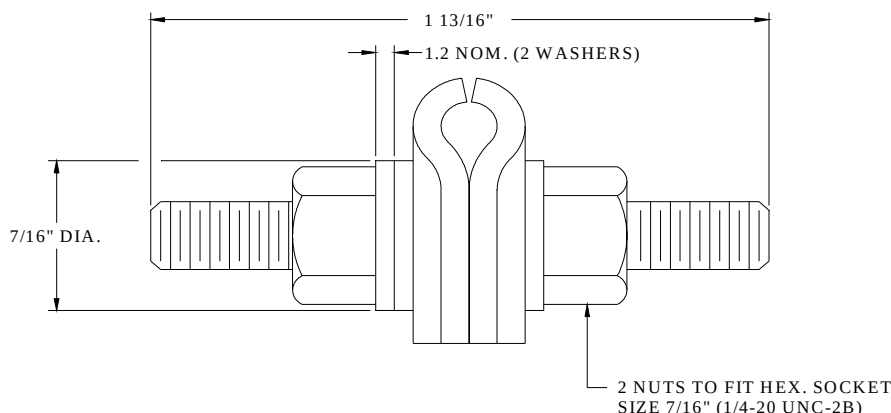
Fax: 866-551-8700 or 330-588-8700

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Lashing Wire Clamp

Material: Stainless Steel Type 304

Catalog Number: A40325100



Note: Studs are staked to prevent nuts from coming off during packaging or shipment.

Stainless Steel Lashing Wire Clamp Specifications

Coastal Line Products Catalog Number: A40325100

1.) Scope:

This standard item is intended for use in conjunction with CSA Standard CAN/CSA-C83. This item is normally mounted on messenger strand and is used to terminate cable lashing.

2.) Assembly:

The lashing wire clamp comprises of two clamp sections, two flat washers and two hex. nuts assemblies on a shouldered stud. The stud will key into one clamp section at assembly to prevent stud rotation as the nuts are tightened. This keying feature is constructed as to allow proper closing of the jaws. Both ends of the stud are suitably modified after assembly to prevent loss of the nuts.

3.) Accommodation:

The clamp can accommodate a range of stainless steel strand from 3/16" diameter to 9/16" diameter designated strand size.

4.) Stud Strength:

The stud will withstand without fracture a torque of 10 N*m and 15 N*m for minimum reusable and ultimate torque strength.

5.) Slip Strength Test:

The clamp is assembled to a suitably anchored length of strand of designated strand size no. 5, CSA Standard CAN3-G12, and the clamp nut is tightened to 10 N*m torque. A force of 1 Kn. applied to the clamp parallel to the strand will cause less than 4mm movement between the clamp and strand.

6.) Classification of defects:

Class A	-	None
Class B	-	None
Class C	-	(i) Accommodation
	-	(ii) Slip Strength
	-	(iii) Stud Strength , Reusable
	-	(iv) Stud Strength , Ultimate
Class D	-	(i) Thread Fit
Class E	-	(i) Each Dimension
	-	(ii) All Visual (Total)



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Coastal Line Products Section Index

Section 16

Cable Guards & Guy Markers

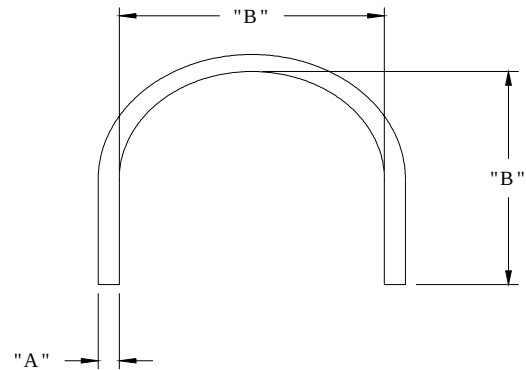
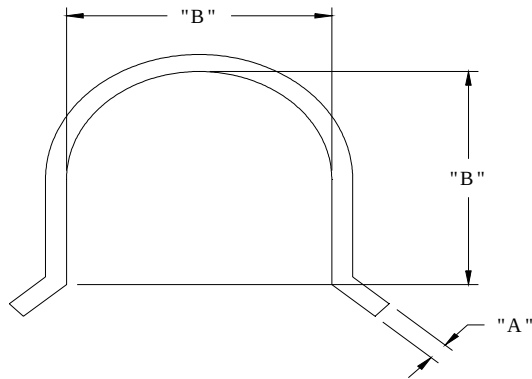
Page	
2	Cable Guard
2	Cable Spacer
3	Center Sleeve
3	Ground Wire Molding
4	Guard Cable B
4	Tree Guard
4	Guy Marker "SM-ST"
5	Guy Marker "TU-ST"
5	Guy Marker "TU-STTW"
5	Guy Marker "TU-NH"
6	Guy Marker "TU"
7	Guy Marker "EZ-ON"
7	Guy Marker "GRID"
7	Guy Marker "OHS"
8	Guy Marker "Standard"
8	Guy Marker "Utility"
9	Phasing Disc
9	Squirrel Guard
10	Spiral Wrap

Cable Guard

Material: Polyethylene

Part Number	Inside Dia. "B"	Wall Thickness "A"	Length (Ft.)	Color	Packaging Pieces / Skid
81601005F	2 1/2	.100	5	Grey	100
81601005S	2 1/2	.100	5	Grey	100
81601005U	2 1/2	.100	5	Grey	100

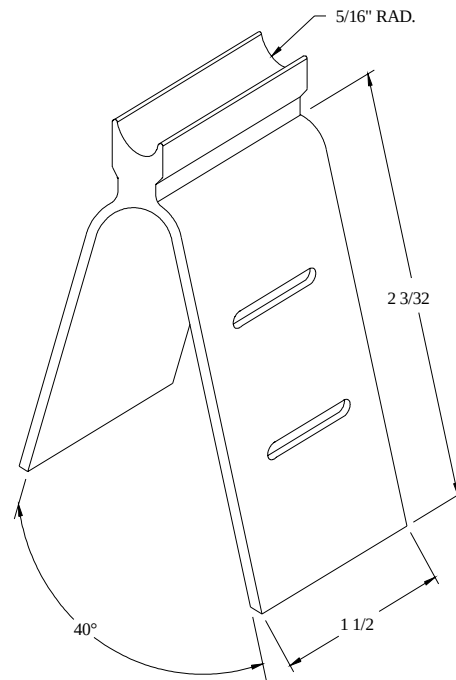
Note: Suffix "F" indicates flange
 Suffix "S" indicates slotted
 Suffix "U" indicates no flange



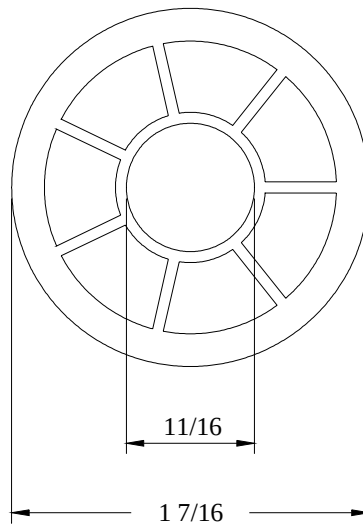
Cable Spacer

Material: Polyethylene

Part Number	Color	Packaging Pieces / Carton
81602001	Black	1500



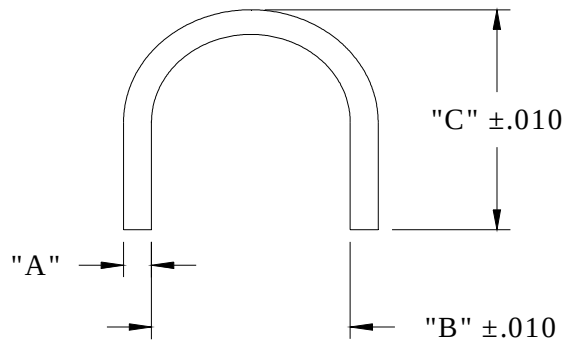
Center Sleeve



Material: RPVC

Part Number	Wall Thickness	Length	Color	Packaging Pieces / Carton
81603001	.075"	4 1/2	Black	200

Ground Wire Molding



Material: RPVC

Part Number	Inside Dia. "B"	"A"	"C"	Length (Ft.)	Color	Packaging 125 Pcs./Bag
81604001	0.50	0.06	0.60	8	Black	1,000 Ft.
81604002	0.50	0.06	0.60	8	Grey	1,000 Ft.

Material: Polyethylene

Part Number	Inside Dia. "B"	"A"	"C"	Length (Ft.)	Color	Packaging 125 Pcs./Bag
81604003	0.50	0.10	0.60	8	Black	1,000 Ft.
81604004	0.50	0.10	0.60	8	Grey	1,000 Ft.
81604005	0.55	0.12	0.70	8	Black	400 Ft.
81604006	0.55	0.12	0.70	8	Grey	400 Ft.



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Guard Cable B

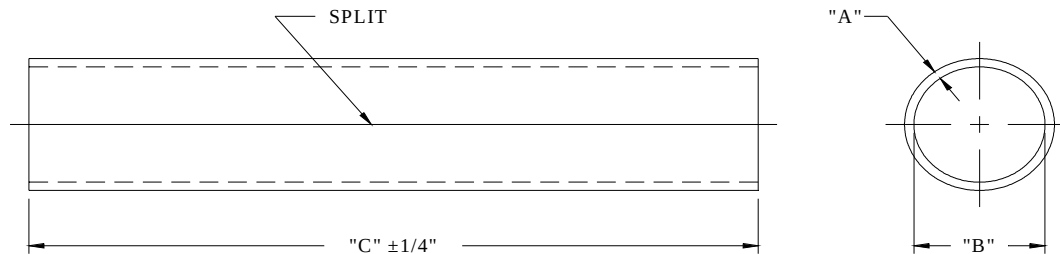
Material: RPVC

Part Number	Inside Dia. "B"	Wall Thickness "A"	Length "C" (In)	Color	Packaging Pieces / Carton
81606001	1	.050	8	Black	4 Bags x 100
81606002	1 1/2	.050	8	Black	4 Bags x 50
81606003	2	.050	8	Black	4 Bags x 50

Tree Guard

Material: Polyethylene

Part Number	Inside Dia. "B"	Wall Thickness "A"	Length "C" (In)	Color	Packaging Pieces / Carton
81607001	1	.050	72	Black	25 / Bag
81607002	1 1/2	.050	72	Black	25 / Bag
81607003	2	.050	72	Black	25 / Bag

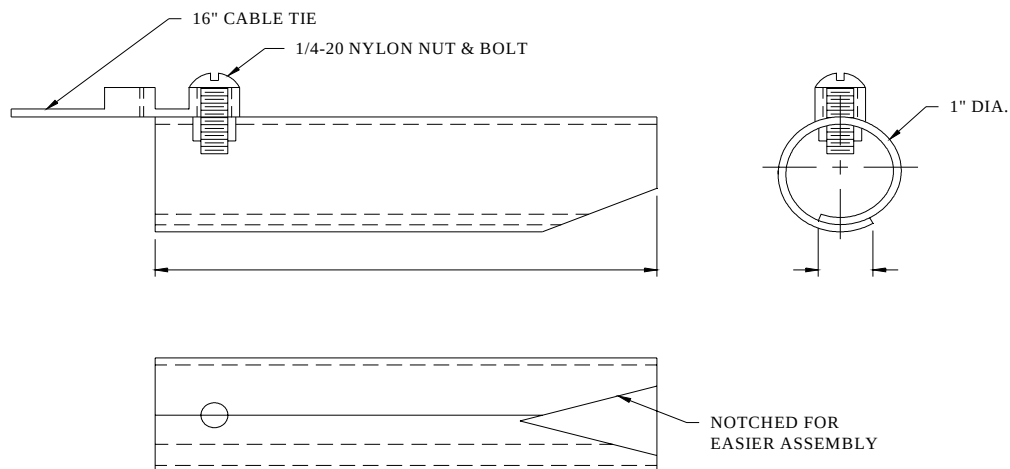


Guy Marker "SM"- "ST"

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81608001	1.00	.06 - .07	8	Yellow	25
81608002	1.00	.06 - .07	8	Green	25
81608003	1.00	.06 - .07	8	Grey	25

Supplied with bolted cable tie and notched.

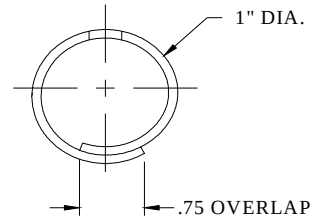
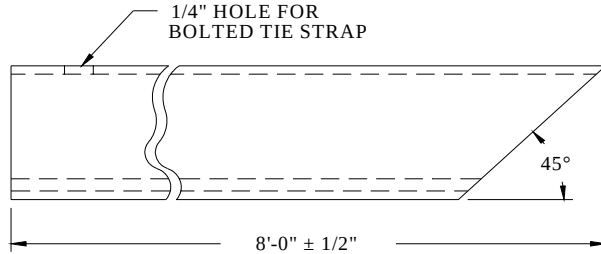


Guy Marker “TU”-“ST”

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81609001	1 3/4	.065	8	Yellow	25
81609002	1 3/4	.065	8	Green	25
81609003	1 3/4	.065	8	Grey	25

Supplied with bolted tie strap.

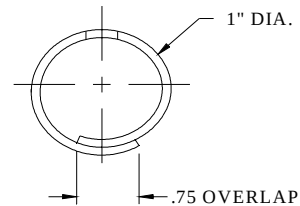
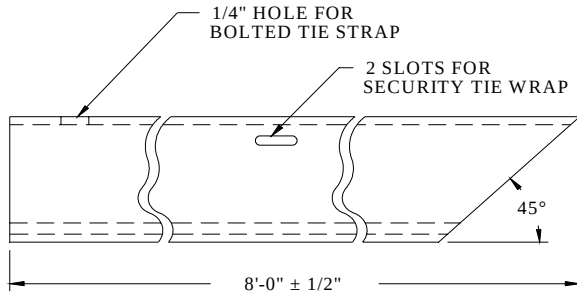


Guy Marker “TU-STTW”

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81610001	1 3/4	.065	8	Yellow	25
81610002	1 3/4	.065	8	Green	25
81610003	1 3/4	.065	8	Grey	25

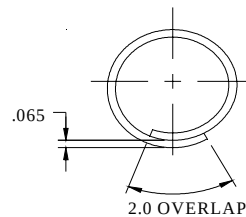
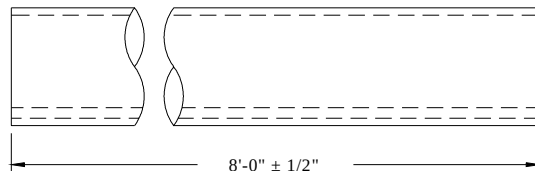
Supplied with bolted tie strap and tie wrap.



Guy Marker “TU-NH”

Material: Polyethylene

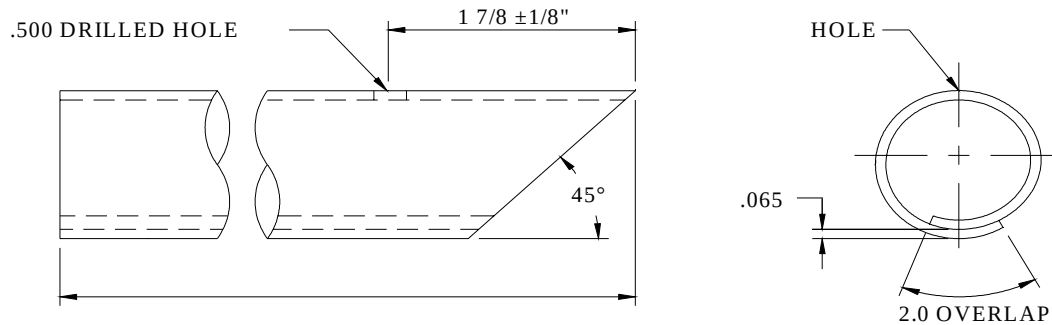
Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81612001	1 3/4	.065	8	Yellow	10
81612002	1 3/4	.065	8	Green	10
81612003	1 3/4	.065	8	Grey	10



Guy Marker “TU”

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81611001	1 3/4	.065	8 Ft.	Yellow	10
81611002	1 3/4	.065	8 Ft.	Green	10
81611003	1 3/4	.065	8 Ft.	Grey	10



Hardware For “TU” Guy Marker

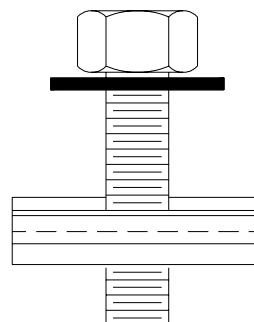
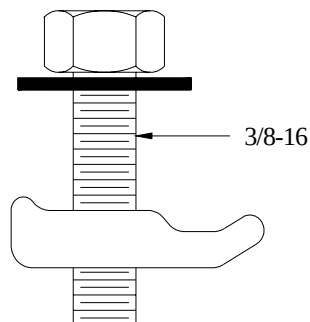
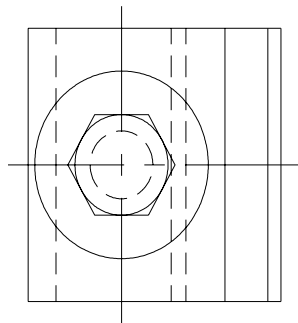
Part Number: 81611004

Material: Bolt – Steel Galv. to CSA G184

Washer- Steel Galv. to CSA G184

Clamp – Steel Galv. to CSA G184

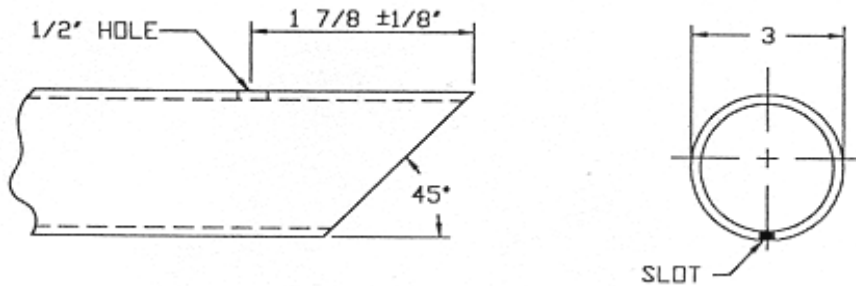
Aluminum or Zinc Casting



Guy Marker “EZ-ON”

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81613001	2 3/4	.095	8 Ft.	Green	10
81613002	2 3/4	.095	8 Ft.	Grey	10
81613003	2 3/4	.095	8 Ft.	Yellow	10



Guy Marker “Grid”

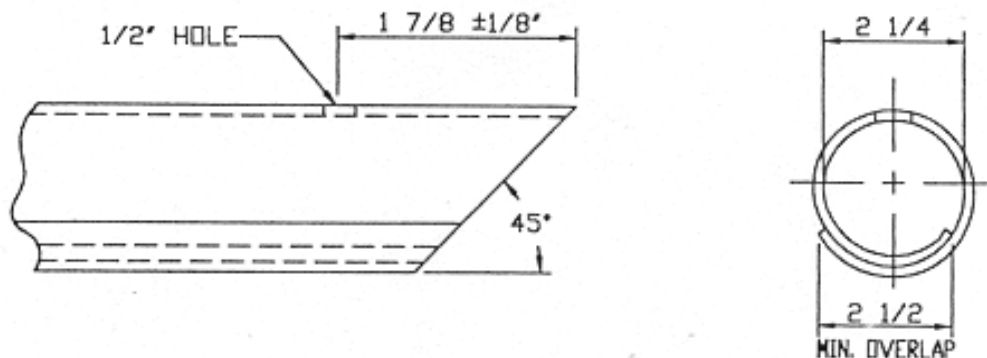
Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81614001	2 1/4	.080	8 Ft.	Green	10
81614002	2 1/4	.080	8 Ft.	Grey	10
81614003	2 1/4	.080	8 Ft.	Yellow	10

Guy Marker “OHS”

Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81615001	2 1/4	.095	8 Ft.	Green	10
81615002	2 1/4	.095	8 Ft.	Grey	10
81615003	2 1/4	.095	8 Ft.	Yellow	10



Guy Marker “Standard”

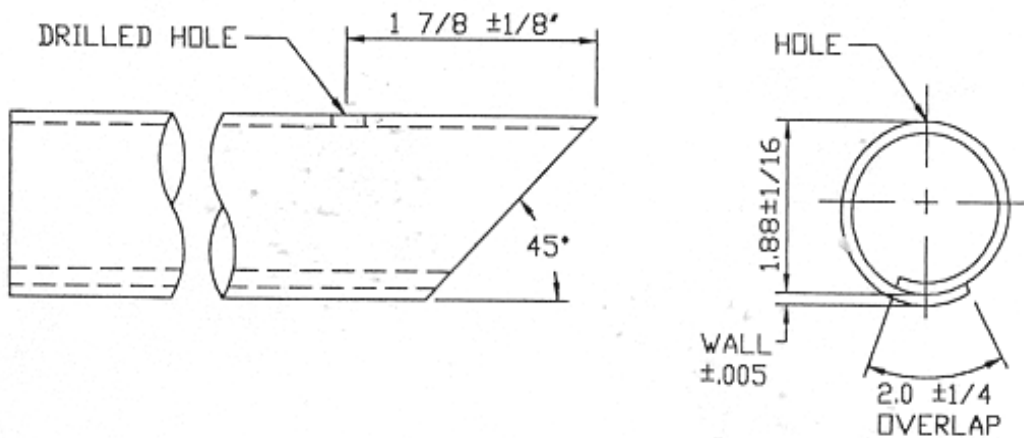
Material: Polyethylene

Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81616001	1 3/4	.095	8 Ft.	Green	10
81616002	1 3/4	.095	8 Ft.	Grey	10
81616003	1 3/4	.095	8 Ft.	Yellow	10

Guy Marker “Utility”

Material: Polyethylene

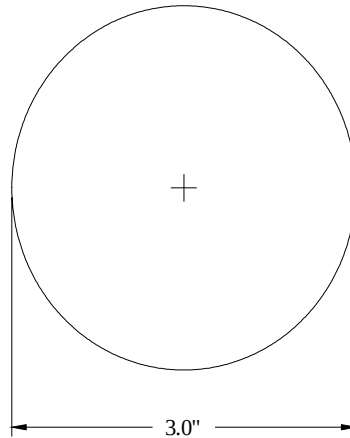
Part Number	Inside Dia.	Wall Thickness	Length	Color	Packaging / Bag
81617001	1 3/4	.080	8 Ft.	Green	10
81617002	1 3/4	.080	8 Ft.	Grey	10
81617003	1 3/4	.080	8 Ft.	Yellow	10



Phasing Disc.

Material: Polyethylene

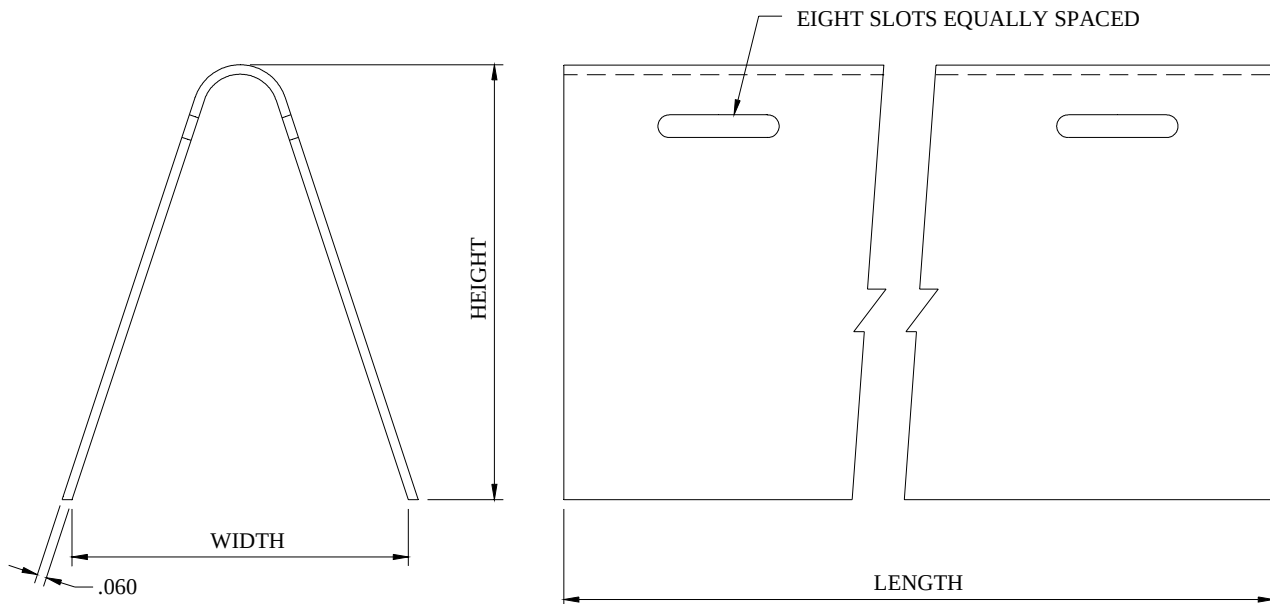
Part Number	Dia.	Wall Thickness	Color	Packaging Pieces / Bag
81618001	3	.070	Blue	100
81618002	3	.070	Red	100
81618003	3	.070	White	100
81618004	3	.070	Yellow	100



Squirrel Guard ("Z" Rodent Guard)

Material: RPVC

Part Number	Height	Base Width	Length	Color	Packaging Pieces / Bag
81619001	1 1/2	1.80	10 Ft.	Black	20
81619002	2 1/2	2.88	10 Ft.	Black	20



Spiral Wrap

Polyethylene

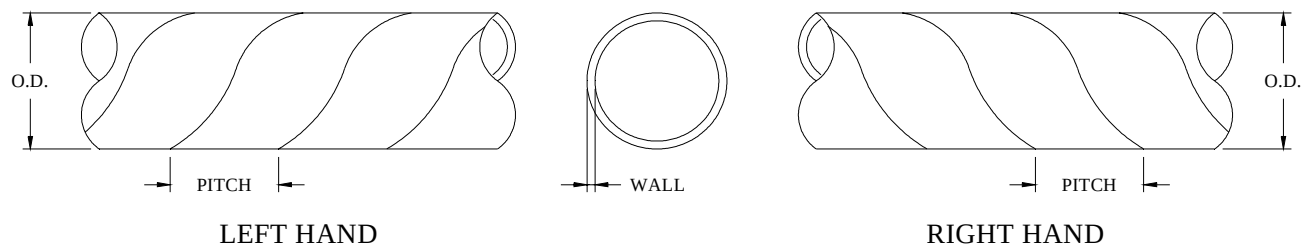
* Note: Add suffix "R" to the catalog number shown below for reverse (Left Hand) twist.

* Packaging Key Code (See chart)

(A) = 100 Ft. / Coil

(B) = 250 Ft. / Coil

(C) = 36" Lengths



Catalog Number	Color	O.D.	Wall	Pitch	Packaging
81620001	Natural	0.375	0.04	0.50	(A) (B) (C)
81620002	Orange	0.375	0.04	0.50	(A) (B) (C)
81620003	Black	0.375	0.04	0.50	(A) (B) (C)
81620004	Yellow	0.375	0.04	0.50	(A) (B) (C)
81620005	Blue	0.375	0.04	0.50	(A) (B) (C)
81620006	Natural	0.500	0.05	0.60	(A) (B) (C)
81620007	Orange	0.500	0.05	0.60	(A) (B) (C)
81620008	Black	0.500	0.05	0.60	(A) (B) (C)
81620009	Yellow	0.500	0.05	0.60	(A) (B) (C)
81620010	Blue	0.500	0.05	0.60	(A) (B) (C)
81620011	Natural	0.750	0.05	0.75	(A) (C)
81620012	Orange	0.750	0.05	0.75	(A) (C)
81620013	Black	0.750	0.05	0.75	(A) (C)
81620014	Yellow	0.750	0.05	0.75	(A) (C)
81620015	Blue	0.750	0.05	0.75	(A) (C)
81620016	Natural	1.000	0.06	1.00	(A) (C)
81620017	Orange	1.000	0.06	1.00	(A) (C)
81620018	Black	1.000	0.06	1.00	(A) (C)
81620019	Yellow	1.000	0.06	1.00	(A) (C)
81620020	Blue	1.000	0.06	1.00	(A) (C)
81620021	Natural	1.250	0.06	1.25	(A) (C)
81620022	Orange	1.250	0.06	1.25	(A) (C)
81620023	Black	1.250	0.06	1.25	(A) (C)
81620024	Yellow	1.250	0.06	1.25	(A) (C)
81620025	Blue	1.250	0.06	1.25	(A) (C)

Spiral Wrap

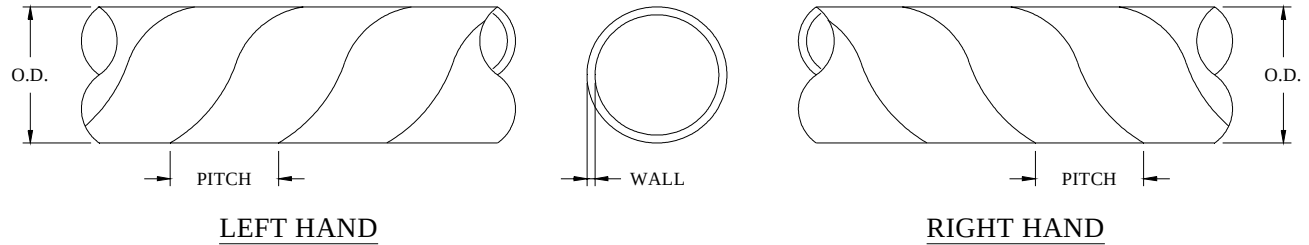
RPVC

* Note: Add suffix "R" to the catalog number shown below for reverse (Left Hand) twist.

* Packaging Key Code (See chart)

(A) = 100 Ft. / Coil

(B) = 36" Lengths



Catalog Number	Color	O.D.	Wall	Pitch	Packaging
81622001	White	0.375	0.025	0.50	(A) (B)
81622002	Grey	0.375	0.025	0.50	(A) (B)
81622003	Black	0.375	0.025	0.50	(A) (B)
81622004	White	0.500	0.025	0.60	(A) (B)
81622005	Grey	0.500	0.025	0.60	(A) (B)
81622006	Black	0.500	0.025	0.60	(A) (B)
81622007	White	0.750	0.025	0.75	(A) (B)
81622008	Grey	0.750	0.025	0.75	(A) (B)
81622009	Black	0.750	0.025	0.75	(A) (B)
81622010	White	1.000	0.025	1.00	(A) (B)
81622011	Grey	1.000	0.025	1.00	(A) (B)
81622012	Black	1.000	0.025	1.00	(A) (B)
81622013	White	1.250	0.025	1.25	(A) (B)
81622014	Grey	1.250	0.025	1.25	(A) (B)
81622015	Black	1.250	0.025	1.25	(A) (B)
81622016	White	1.500	0.025	1.50	(A) (B)
81622017	Grey	1.500	0.025	1.50	(A) (B)
81622018	Black	1.500	0.025	1.50	(A) (B)

Spiral Wrap

Nylon

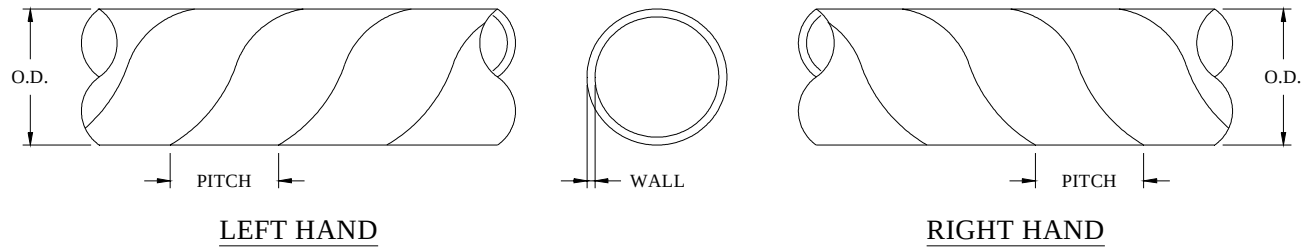
* Note: Add suffix "R" to the catalog number shown below for reverse (Left Hand) twist.

* Packaging Key Code (See chart)

(A) = 100 Ft. / Coil

(B) = 250 Ft. / Coil

(C) = 36" Lengths



Catalog Number	Color	O.D.	Wall	Pitch	Packaging
81221001	Natural	0.375	0.04	0.50	(A) (B) (C)
81221002	Orange	0.375	0.04	0.50	(A) (B) (C)
81221003	Black	0.375	0.04	0.50	(A) (B) (C)
81221004	Yellow	0.375	0.04	0.50	(A) (B) (C)
81221005	Blue	0.375	0.04	0.50	(A) (B) (C)
81221006	Natural	0.500	0.05	0.60	(A) (B) (C)
81221007	Orange	0.500	0.05	0.60	(A) (B) (C)
81221008	Black	0.500	0.05	0.60	(A) (B) (C)
81221009	Yellow	0.500	0.05	0.60	(A) (B) (C)
81221010	Blue	0.500	0.05	0.60	(A) (B) (C)
81221011	Natural	0.750	0.05	0.75	(A) (C)
81221012	Orange	0.750	0.05	0.75	(A) (C)
81221013	Black	0.750	0.05	0.75	(A) (C)
81221014	Yellow	0.750	0.05	0.75	(A) (C)
81221015	Blue	0.750	0.05	0.75	(A) (C)



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Alphabetized Index By Catalog Number

Catalog Number	Item / Description	Section	Page
10101025	Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable	1	3
10101031	Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable	1	3
10101037	Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable	1	3
10101043	Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable	1	3
10101050	Silicon Tin Bronze 1 x 7 Left Lay Messenger and Guy Support Cable	1	3
10160045	Bronze Type 649 Lashing Wire	15	2
10160061	Bronze Type 649 Lashing Wire	15	2
10307001	Silicon Bronze Guying Hardware	3	7
10307002	Silicon Bronze Guying Hardware	3	7
10307004	Silicon Bronze Guying Hardware	3	7
10307005	Silicon Bronze Guying Hardware	3	7
10310037	Silicon Bronze 655 Eye Nut Weldless	3	9
10310050	Silicon Bronze 655 Eye Nut Weldless	3	9
10310062	Silicon Bronze 655 Eye Nut Weldless	3	9
10310075	Silicon Bronze 655 Eye Nut Weldless	3	9
10310087	Silicon Bronze 655 Eye Nut Weldless	3	9
10310099	Silicon Bronze 655 Eye Nut Weldless	3	9
10310125	Silicon Bronze 655 Eye Nut Weldless	3	9
10310150	Silicon Bronze 655 Eye Nut Weldless	3	9
10320062	Bronze Thimble Eye Nut	3	17
10320075	Bronze Thimble Eye Nut	3	17
10335001	Copper Ground Wire Clips	3	19
10351199	Bronze Anchor Rod Extension	3	24
10351362	Bronze Anchor Rod Extension	3	24
10351399	Bronze Anchor Rod Extension	3	24
10351862	Bronze Anchor Rod Extension	3	24
10352062	Bronze Rod Coupling Threaded	3	24
10352099	Bronze Rod Coupling Threaded	3	24
20801202	Stainless Steel Type 201 Banding	8	2
20801203	Stainless Steel Type 201 Banding	8	2
20801204	Stainless Steel Type 201 Banding	8	2
20801205	Stainless Steel Type 201 Banding	8	2
20801206	Stainless Steel Type 201 Banding	8	2
20801430	Stainless Steel Type 201 Heavy Duty System Band	8	4
20801431	Stainless Steel Type 201 Heavy Duty System Band	8	4
20801432	Stainless Steel Type 201 Heavy Duty System Band	8	4
20802252	Stainless Steel Type 201 Buckles	8	4
20802253	Stainless Steel Type 201 Buckles	8	4
20802254	Stainless Steel Type 201 Buckles	8	4
20802255	Stainless Steel Type 201 Buckles	8	4
20802256	Stainless Steel Type 201 Buckles	8	4
20802440	Stainless Steel Type 201 Heavy Duty Buckles	8	4

20802441	Stainless Steel Type 201 Heavy Duty Buckles	8	4
20802442	Stainless Steel Type 201 Heavy Duty Buckles	8	4
20803720	Stainless Steel Type 201 Screw Buckles	8	3
20803722	Stainless Steel Type 201 Screw Buckles	8	3
20803724	Stainless Steel Type 201 Screw Buckles	8	3
20803726	Stainless Steel Type 201 Screw Buckles	8	3
40101005	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101006	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101008	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101009	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101011	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101012	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101015	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101018	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101021	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101025	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101028	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101031	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101037	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101043	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101050	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101056	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40101062	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 302 / 304	1	2
40325100	Lashing Wire Clamp	3	15
40325100	Lashing Wire Clamp	15	4
40803153	Stainless Steel Type 304 Wing Seals	8	3
40803154	Stainless Steel Type 304 Wing Seals	8	3
40803155	Stainless Steel Type 304 Wing Seals	8	3
40803156	Stainless Steel Type 304 Wing Seals	8	3
40804213	Stainless Steel Type 304 Specialty Short Wing Seals	8	3
60101018	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101021	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101025	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101028	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101031	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101037	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101043	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101050	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101056	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60101062	1 x 7 Preformed Stainless Steel Strand Non-Flexible Type 316	1	2
60201025	Type 316 Stainless Steel Dead End Grips	2	2
60201028	Type 316 Stainless Steel Dead End Grips	2	2
60201031	Type 316 Stainless Steel Dead End Grips	2	2
60201037	Type 316 Stainless Steel Dead End Grips	2	2
60201043	Type 316 Stainless Steel Dead End Grips	2	2



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60201056	Type 316 Stainless Steel Dead End Grips	2	2
60201062	Type 316 Stainless Steel Dead End Grips	2	2
60202025	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202028	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202031	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202037	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202043	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202050	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60202056	Stainless Strand Splice For Use on Left Hand Lay Strand	2	3
60204040	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204044	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204049	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204054	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204060	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204067	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204075	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204084	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204094	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204105	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204117	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204131	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204146	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204163	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204182	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204204	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204228	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204254	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204284	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204318	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204356	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204400	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204448	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204500	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60204560	Lashing Rods (For Use on Stainless Steel Messenger Cables)	2	5
60301650	Single Eye, Strand Eye Anchor Rods	3	2
60301662	Single Eye, Strand Eye Anchor Rods	3	2
60301862	Single Eye, Strand Eye Anchor Rods	3	2
60301875	Single Eye, Strand Eye Anchor Rods	3	2
60302075	Double Eye, Strand Eye Anchor Rods	3	2
60302099	Double Eye, Strand Eye Anchor Rods	3	2
60302662	Double Eye, Strand Eye Anchor Rods	3	2
60302675	Double Eye, Strand Eye Anchor Rods	3	2
60302862	Double Eye, Strand Eye Anchor Rods	3	2
60302875	Double Eye, Strand Eye Anchor Rods	3	2
60302899	Double Eye, Strand Eye Anchor Rods	3	2



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60303012	Triple Eye, Strand Eye Anchor Rods	3	2
60303099	Triple Eye, Strand Eye Anchor Rods	3	2
60303875	Triple Eye, Strand Eye Anchor Rods	3	2
60303899	Triple Eye, Strand Eye Anchor Rods	3	2
60304001	Multi Helix Square Shaft Anchors, Triple Helix (8",10" & 12")	3	5
60304002	Multi Helix Square Shaft Anchors, Triple Helix (Three 10")	3	5
60304004	Extension Coupler	3	6
60305003	Anchor Shaft Extensions	3	5
60305005	Anchor Shaft Extensions	3	5
60305007	Anchor Shaft Extensions	3	5
60305010	Anchor Shaft Extensions	3	5
60306300	Triple Eye With Upset Coupling	3	6
60307001	Stainless Steel Guying Hardware	3	7
60307002	Stainless Steel Guying Hardware	3	7
60307004	Stainless Steel Guying Hardware	3	7
60307005	Stainless Steel Guying Hardware	3	7
60308100	Ball Clevis	3	8
60310037	Stainless Steel 316 Eye Nut Weldless	3	9
60310050	Stainless Steel 316 Eye Nut Weldless	3	9
60310062	Stainless Steel 316 Eye Nut Weldless	3	9
60310075	Stainless Steel 316 Eye Nut Weldless	3	9
60310087	Stainless Steel 316 Eye Nut Weldless	3	9
60310099	Stainless Steel 316 Eye Nut Weldless	3	9
60310125	Stainless Steel 316 Eye Nut Weldless	3	9
60310150	Stainless Steel 316 Eye Nut Weldless	3	9
60313056	Guy Hook	3	11
60313075	Guy Hook	3	11
60315100	Socket Eye	3	9
60316025	Screw Pin Shackle	3	10
60316031	Screw Pin Shackle	3	10
60316037	Screw Pin Shackle	3	10
60316043	Screw Pin Shackle	3	10
60316050	Screw Pin Shackle	3	10
60316062	Screw Pin Shackle	3	10
60316075	Screw Pin Shackle	3	10
60316087	Screw Pin Shackle	3	10
60316099	Screw Pin Shackle	3	10
60317025	Safety Shackle	3	10
60317031	Safety Shackle	3	10
60317037	Safety Shackle	3	10
60317043	Safety Shackle	3	10
60317050	Safety Shackle	3	10
60317062	Safety Shackle	3	10
60317075	Safety Shackle	3	10
60317087	Safety Shackle	3	10



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60317099	Safety Shackle	3	10
60318075	Anchor Shackle	3	10
60319100	1 Bolt Straight Suspension Clamp	3	13
60319200	3 Bolt Straight Suspension Clamp	3	13
60319300	3 Bolt Straight Suspension Clamp	3	13
60319400	3 Bolt Straight Suspension Clamp (Heavy Duty)	3	13
60319500	3 Bolt Curved Suspension Clamp	3	13
60319600	3 Bolt Curved Suspension Clamp	3	13
60320062	Stainless Steel Thimble Eye Nut	3	17
60320075	Stainless Steel Thimble Eye Nut	3	17
60322025	Heavy Wire Rope Thimbles	3	17
60322031	Heavy Wire Rope Thimbles	3	17
60322037	Heavy Wire Rope Thimbles	3	17
60322050	Heavy Wire Rope Thimbles	3	17
60322062	Heavy Wire Rope Thimbles	3	17
60322075	Heavy Wire Rope Thimbles	3	17
60323012	Standard Wire Rope Thimbles	3	17
60323018	Standard Wire Rope Thimbles	3	17
60323025	Standard Wire Rope Thimbles	3	17
60323031	Standard Wire Rope Thimbles	3	17
60323037	Standard Wire Rope Thimbles	3	17
60323050	Standard Wire Rope Thimbles	3	17
60324012	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60324018	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60324025	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60324037	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60324050	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60324062	Stainless Steel Wire Rope Clips Type 316 (Drop Forged)	3	16
60326100	Span Clamp	3	18
60327001	Screw Anchor	3	3
60327002	Screw Anchor	3	3
60328003	Rock Anchor with Rod	3	3
60328004	Rock Anchor with Rod	3	3
60328005	Rock Anchor with Rod	3	3
60328006	Rock Anchor with Rod	3	3
60328007	Rock Anchor with Rod	3	3
60328008	Rock Anchor with Rod	3	3
60328009	Rock Anchor with Rod	3	3
60328010	Rock Anchor with Rod	3	3
60328011	Rock Anchor with Rod	3	3
60328012	Rock Anchor with Rod	3	3
60328013	Rock Anchor with Rod	3	3
60328014	Rock Anchor with Rod	3	3
60328015	Rock Anchor with Rod	3	3
60329362	Rock Anchor Extension	3	4



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60329375	Rock Anchor Extension	3	4
60329475	Rock Anchor Extension	3	4
60329575	Rock Anchor Extension	3	4
60330001	Single Eye, Thimble Eye Nuts (Pisa)	3	4
60330002	Single Eye, Thimble Eye Nuts (Pisa)	3	4
60330003	Double Eye, Thimble Eye Nuts (Pisa)	3	4
60330004	Double Eye, Thimble Eye Nuts (Pisa)	3	4
60330005	Triple Eye, Thimble Eye Nuts (Pisa)	3	4
60330006	Triple Eye, Thimble Eye Nuts (Pisa)	3	4
60330007	Triple Eye, Thimble Eye Nuts (Pisa)	3	4
60331001	Crossover Clamp	3	18
60332001	Guy Strain Plates	3	23
60332002	Guy Strain Plates	3	23
60333001	Hub Guards Pole Shields	3	23
60333002	Hub Guards Pole Shields	3	23
60333003	Hub Guards Pole Shields	3	23
60334001	Driver	10	3
60334002	Extension Driver	10	3
60335001	Ground Wire Clips	3	19
60335002	Ground Wire Clips	3	19
60337001	Angle Thimble Eyelet	3	20
60337002	Angle Thimble Eyelet	3	20
60338001	Bolt Eyes	3	20
60338002	Bolt Eyes	3	20
60339001	Guy Clamp	3	22
60340462	Extension Rods (Pisa)	3	4
60340475	Extension Rods (Pisa)	3	4
60340499	Extension Rods (Pisa)	3	4
60340762	Extension Rods (Pisa)	3	4
60340775	Extension Rods (Pisa)	3	4
60340799	Extension Rods (Pisa)	3	4
60341081	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341101	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341102	3/4" Diameter Straight Thimble Eye Bolts	3	21
60341121	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341122	3/4" Diameter Straight Thimble Eye Bolts	3	21
60341141	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341142	3/4" Diameter Straight Thimble Eye Bolts	3	21
60341161	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341162	3/4" Diameter Straight Thimble Eye Bolts	3	21
60341181	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341182	3/4" Diameter Straight Thimble Eye Bolts	3	21
60341201	5/8" Diameter Straight Thimble Eye Bolts	3	21
60341202	3/4" Diameter Straight Thimble Eye Bolts	3	21
60342081	5/8" Diameter Angle Thimble Eye Bolts	3	21



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60342101	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342102	3/4" Diameter Angle Thimble Eye Bolts	3	21
60342121	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342122	3/4" Diameter Angle Thimble Eye Bolts	3	21
60342141	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342142	3/4" Diameter Angle Thimble Eye Bolts	3	21
60342161	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342162	3/4" Diameter Angle Thimble Eye Bolts	3	21
60342181	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342182	3/4" Diameter Angle Thimble Eye Bolts	3	21
60342201	5/8" Diameter Angle Thimble Eye Bolts	3	21
60342202	3/4" Diameter Angle Thimble Eye Bolts	3	21
60344001	Guy Hook Span Type	3	8
60344002	Guy Hook Span Type	3	8
60344003	Guy Hook Span Type	3	8
60344004	Guy Hook Span Type	3	8
60350025	Stainless Steel Type 316 Serpentine Clamp For Jacketed Strand	3	14
60350075	Stainless Steel Type 316 Serpentine Clamp For Jacketed Strand	3	14
60351199	Stainless Steel Type 316 Anchor Rod Extension	3	24
60351362	Stainless Steel Type 316 Anchor Rod Extension	3	24
60351399	Stainless Steel Type 316 Anchor Rod Extension	3	24
60351862	Stainless Steel Type 316 Anchor Rod Extension	3	24
60352062	Stainless Steel 316 Coupling Threaded	3	24
60352099	Stainless Steel 316 Coupling Threaded	3	24
60353016	Cross Plate	3	24
60353024	Cross Plate	3	24
60354001	Cable Messenger Hanger	3	25
60355001	Plates, Lift & Load	3	26
60355002	Plates, Lift & Load	3	26
60355003	Plates, Lift & Load	3	26
60355004	Plates, Lift & Load	3	26
60401025	1/4" Diameter Open Body Turnbuckles With Stubs	4	2
60401031	5/16" Diameter Open Body Turnbuckles With Stubs	4	2
60401037	3/8" Diameter Open Body Turnbuckles With Stubs	4	2
60401050	1/2" Diameter Open Body Turnbuckles With Stubs	4	2
60401062	5/8" Diameter Open Body Turnbuckles With Stubs	4	2
60401075	3/4" Diameter Open Body Turnbuckles With Stubs	4	2
60401087	7/8" Diameter Open Body Turnbuckles With Stubs	4	2
60401099	1" Diameter Open Body Turnbuckles With Stubs	4	2
60402025	1/4" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402031	5/16" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402037	3/8" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402050	1/2" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402062	5/8" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402075	3/4" Diameter Eye & Eye Open Body Turnbuckles	4	2



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60402087	7/8" Diameter Eye & Eye Open Body Turnbuckles	4	2
60402099	1" Diameter Eye & Eye Open Body Turnbuckles	4	2
60403025	1/4" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403031	5/16" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403037	3/8" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403050	1/2" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403062	5/8" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403075	3/4" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403087	7/8" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60403099	1" Diameter Jaw & Eye Open Body Turnbuckles	4	2
60404025	1/4" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404031	5/16" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404037	3/8" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404050	1/2" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404062	5/8" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404075	3/4" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404087	7/8" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60404099	1" Diameter Jaw & Jaw Open Body Turnbuckles	4	2
60601010	3/8" Inch Diameter Machine Square Head	6	2
60601014	3/8" Inch Diameter Machine Square Head	6	2
60601020	3/8" Inch Diameter Machine Square Head	6	2
60601024	3/8" Inch Diameter Machine Square Head	6	2
60601030	3/8" Inch Diameter Machine Square Head	6	2
60601034	3/8" Inch Diameter Machine Square Head	6	2
60601040	3/8" Inch Diameter Machine Square Head	6	2
60601044	3/8" Inch Diameter Machine Square Head	6	2
60601050	3/8" Inch Diameter Machine Square Head	6	2
60601054	3/8" Inch Diameter Machine Square Head	6	2
60602010	1/2" Inch Diameter Machine Square Head	6	2
60602014	1/2" Inch Diameter Machine Square Head	6	2
60602020	1/2" Inch Diameter Machine Square Head	6	2
60602024	1/2" Inch Diameter Machine Square Head	6	2
60602030	1/2" Inch Diameter Machine Square Head	6	2
60602034	1/2" Inch Diameter Machine Square Head	6	2
60602040	1/2" Inch Diameter Machine Square Head	6	2
60602044	1/2" Inch Diameter Machine Square Head	6	2
60602050	1/2" Inch Diameter Machine Square Head	6	2
60602054	1/2" Inch Diameter Machine Square Head	6	2
60602060	1/2" Inch Diameter Machine Square Head	6	2
60602064	1/2" Inch Diameter Machine Square Head	6	2
60602070	1/2" Inch Diameter Machine Square Head	6	2
60602080	1/2" Inch Diameter Machine Square Head	6	2
60602090	1/2" Inch Diameter Machine Square Head	6	2
60602100	1/2" Inch Diameter Machine Square Head	6	2
60602110	1/2" Inch Diameter Machine Square Head	6	2



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60602120	1/2" Inch Diameter Machine Square Head	6	2
60602140	1/2" Inch Diameter Machine Square Head	6	2
60602160	1/2" Inch Diameter Machine Square Head	6	2
60602180	1/2" Inch Diameter Machine Square Head	6	2
60602200	1/2" Inch Diameter Machine Square Head	6	2
60603010	5/8" Inch Diameter Machine Square Head	6	2
60603014	5/8" Inch Diameter Machine Square Head	6	2
60603020	5/8" Inch Diameter Machine Square Head	6	2
60603024	5/8" Inch Diameter Machine Square Head	6	2
60603030	5/8" Inch Diameter Machine Square Head	6	2
60603034	5/8" Inch Diameter Machine Square Head	6	2
60603040	5/8" Inch Diameter Machine Square Head	6	2
60603044	5/8" Inch Diameter Machine Square Head	6	2
60603050	5/8" Inch Diameter Machine Square Head	6	2
60603060	5/8" Inch Diameter Machine Square Head	6	2
60603070	5/8" Inch Diameter Machine Square Head	6	2
60603080	5/8" Inch Diameter Machine Square Head	6	2
60603090	5/8" Inch Diameter Machine Square Head	6	2
60603100	5/8" Inch Diameter Machine Square Head	6	2
60603120	5/8" Inch Diameter Machine Square Head	6	2
60603140	5/8" Inch Diameter Machine Square Head	6	2
60603160	5/8" Inch Diameter Machine Square Head	6	2
60603180	5/8" Inch Diameter Machine Square Head	6	2
60603200	5/8" Inch Diameter Machine Square Head	6	2
60603220	5/8" Inch Diameter Machine Square Head	6	2
60603240	5/8" Inch Diameter Machine Square Head	6	2
60604020	3/4" Inch Diameter Machine Square Head	6	2
60604024	3/4" Inch Diameter Machine Square Head	6	2
60604030	3/4" Inch Diameter Machine Square Head	6	2
60604034	3/4" Inch Diameter Machine Square Head	6	2
60604060	3/4" Inch Diameter Machine Square Head	6	2
60604070	3/4" Inch Diameter Machine Square Head	6	2
60604080	3/4" Inch Diameter Machine Square Head	6	2
60604100	3/4" Inch Diameter Machine Square Head	6	2
60604120	3/4" Inch Diameter Machine Square Head	6	2
60604140	3/4" Inch Diameter Machine Square Head	6	2
60604160	3/4" Inch Diameter Machine Square Head	6	2
60604180	3/4" Inch Diameter Machine Square Head	6	2
60604200	3/4" Inch Diameter Machine Square Head	6	2
60604220	3/4" Inch Diameter Machine Square Head	6	2
60604240	3/4" Inch Diameter Machine Square Head	6	2
60604260	3/4" Inch Diameter Machine Square Head	6	2
60605120	7/8" Inch Diameter Machine Square Head	6	2
60605140	7/8" Inch Diameter Machine Square Head	6	2
60605160	7/8" Inch Diameter Machine Square Head	6	2



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60605180	7/8" Inch Diameter Machine Square Head	6	2
60605200	7/8" Inch Diameter Machine Square Head	6	2
60605220	7/8" Inch Diameter Machine Square Head	6	2
60605240	7/8" Inch Diameter Machine Square Head	6	2
60605260	7/8" Inch Diameter Machine Square Head	6	2
60609030	3/8" Inch Diameter Carriage Bolt	6	4
60609040	3/8" Inch Diameter Carriage Bolt	6	4
60609044	3/8" Inch Diameter Carriage Bolt	6	4
60609050	3/8" Inch Diameter Carriage Bolt	6	4
60609054	3/8" Inch Diameter Carriage Bolt	6	4
60609060	3/8" Inch Diameter Carriage Bolt	6	4
60609070	3/8" Inch Diameter Carriage Bolt	6	4
60609080	3/8" Inch Diameter Carriage Bolt	6	4
60609100	3/8" Inch Diameter Carriage Bolt	6	4
60609120	3/8" Inch Diameter Carriage Bolt	6	4
60610044	1/2" Inch Diameter Carriage Bolt	6	4
60610050	1/2" Inch Diameter Carriage Bolt	6	4
60610054	1/2" Inch Diameter Carriage Bolt	6	4
60610060	1/2" Inch Diameter Carriage Bolt	6	4
60610070	1/2" Inch Diameter Carriage Bolt	6	4
60610080	1/2" Inch Diameter Carriage Bolt	6	4
60610100	1/2" Inch Diameter Carriage Bolt	6	4
60611024	5/8" Inch Diameter Carriage Bolt	6	4
60611080	5/8" Inch Diameter Carriage Bolt	6	4
60613044	3/8" Inch Diameter Brace Bolt	6	4
60614060	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60614080	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60614100	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60614120	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60614140	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60614160	5/8" Inch Diameter Forged Shoulder Eye Bolts	6	5
60615080	3/4" Inch Diameter Forged Shoulder Eye Bolts	6	5
60615100	3/4" Inch Diameter Forged Shoulder Eye Bolts	6	5
60615120	3/4" Inch Diameter Forged Shoulder Eye Bolts	6	5
60615140	3/4" Inch Diameter Forged Shoulder Eye Bolts	6	5
60615160	3/4" Inch Diameter Forged Shoulder Eye Bolts	6	5
60616060	5/8" Inch Diameter Oval Eye Bolts	6	6
60616080	5/8" Inch Diameter Oval Eye Bolts	6	6
60616090	5/8" Inch Diameter Oval Eye Bolts	6	6
60616100	5/8" Inch Diameter Oval Eye Bolts	6	6
60616120	5/8" Inch Diameter Oval Eye Bolts	6	6
60616140	5/8" Inch Diameter Oval Eye Bolts	6	6
60616160	5/8" Inch Diameter Oval Eye Bolts	6	6
60616180	5/8" Inch Diameter Oval Eye Bolts	6	6
60616200	5/8" Inch Diameter Oval Eye Bolts	6	6



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60617080	3/4" Inch Diameter Oval Eye Bolts	6	6
60617100	3/4" Inch Diameter Oval Eye Bolts	6	6
60617120	3/4" Inch Diameter Oval Eye Bolts	6	6
60617140	3/4" Inch Diameter Oval Eye Bolts	6	6
60617160	3/4" Inch Diameter Oval Eye Bolts	6	6
60617180	3/4" Inch Diameter Oval Eye Bolts	6	6
60618140	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618160	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618180	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618200	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618220	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618240	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60618260	5/8" Inch Diameter Double Arming Eye Bolts	6	6
60619160	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60619180	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60619200	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60619220	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60619240	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60619260	3/4" Inch Diameter Double Arming Eye Bolts	6	6
60620100	5/8" Inch Diameter Double Arming Bolts	6	7
60620120	5/8" Inch Diameter Double Arming Bolts	6	7
60620140	5/8" Inch Diameter Double Arming Bolts	6	7
60620160	5/8" Inch Diameter Double Arming Bolts	6	7
60620180	5/8" Inch Diameter Double Arming Bolts	6	7
60620200	5/8" Inch Diameter Double Arming Bolts	6	7
60620220	5/8" Inch Diameter Double Arming Bolts	6	7
60620240	5/8" Inch Diameter Double Arming Bolts	6	7
60620260	5/8" Inch Diameter Double Arming Bolts	6	7
60620280	5/8" Inch Diameter Double Arming Bolts	6	7
60620300	5/8" Inch Diameter Double Arming Bolts	6	7
60620320	5/8" Inch Diameter Double Arming Bolts	6	7
60620340	5/8" Inch Diameter Double Arming Bolts	6	7
60620360	5/8" Inch Diameter Double Arming Bolts	6	7
60621120	3/4" Inch Diameter Double Arming Bolts	6	7
60621140	3/4" Inch Diameter Double Arming Bolts	6	7
60621160	3/4" Inch Diameter Double Arming Bolts	6	7
60621180	3/4" Inch Diameter Double Arming Bolts	6	7
60621200	3/4" Inch Diameter Double Arming Bolts	6	7
60621220	3/4" Inch Diameter Double Arming Bolts	6	7
60621240	3/4" Inch Diameter Double Arming Bolts	6	7
60621260	3/4" Inch Diameter Double Arming Bolts	6	7
60621280	3/4" Inch Diameter Double Arming Bolts	6	7
60621300	3/4" Inch Diameter Double Arming Bolts	6	7
60621320	3/4" Inch Diameter Double Arming Bolts	6	7
60621340	3/4" Inch Diameter Double Arming Bolts	6	7



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60621360	3/4" Inch Diameter Double Arming Bolts	6	7
60627214	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60627220	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60627224	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60627230	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60627330	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60627434	Lag Screws, Screw Eye Bolts (Gimlet Point)	6	8
60631050	Screw Eye Bolts	6	8
60640000	Regular Square Nuts	6	9
60640099	Regular Square Nuts	6	9
60640125	Regular Square Nuts	6	9
60641000	Regular Square Nuts	6	9
60642000	Regular Square Nuts	6	9
60643000	Regular Square Nuts	6	9
60644000	Regular Square Nuts	6	9
60645000	Regular Hex. Nuts	6	9
60645099	Regular Hex. Nuts	6	9
60645125	Regular Hex. Nuts	6	9
60646000	Regular Hex. Nuts	6	9
60647000	Regular Hex. Nuts	6	9
60648000	Regular Hex. Nuts	6	9
60649000	Regular Hex. Nuts	6	9
60650000	Flat Washers	6	10
60651000	Flat Washers	6	10
60652000	Flat Washers	6	10
60653000	Flat Washers	6	10
60654000	Flat Washers	6	10
60656000	Flat Washers	6	10
60657000	Split Lock Washer	6	10
60658000	Split Lock Washer	6	10
60659000	Split Lock Washer	6	10
60660000	Split Lock Washer	6	10
60661001	Flat Square Washer	6	10
60661002	Flat Square Washer	6	10
60661003	Flat Square Washer	6	10
60661004	Flat Square Washer	6	10
60661005	Flat Square Washer	6	10
60661006	Flat Square Washer	6	10
60661007	Flat Square Washer	6	10
60661008	Flat Square Washer	6	10
60661009	Flat Square Washer	6	10
60661010	Flat Square Washer	6	10
60661011	Flat Square Washer	6	10
60662001	Curved Square Washer	6	10
60662002	Curved Square Washer	6	10



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60662003	Curved Square Washer	6	10
60662004	Curved Square Washer	6	10
60662005	Curved Square Washer	6	10
60663375	Nylon Inserts Locknuts (Torque Nuts)	6	11
60663500	Nylon Inserts Locknuts (Torque Nuts)	6	11
60663625	Nylon Inserts Locknuts (Torque Nuts)	6	11
60663750	Nylon Inserts Locknuts (Torque Nuts)	6	11
60664375	Jam Nuts	6	11
60664500	Jam Nuts	6	11
60664625	Jam Nuts	6	11
60664750	Jam Nuts	6	11
60664875	Jam Nuts	6	11
60665625	Cotter Pins (Hump)	6	11
60665750	Cotter Pins (Hump)	6	11
60665875	Cotter Pins (Hump)	6	11
60665999	Cotter Pins (Hump)	6	11
60666625	Cotter Bolts	6	11
60666750	Cotter Bolts	6	11
60666875	Cotter Bolts	6	11
60670003	5/8" UNC All Thread	6	12
60670006	5/8" UNC All Thread	6	12
60670012	5/8" UNC All Thread	6	12
60670120	7/8" Inch Diameter Double Arming Bolts	6	7
60670140	7/8" Inch Diameter Double Arming Bolts	6	7
60670160	7/8" Inch Diameter Double Arming Bolts	6	7
60670180	7/8" Inch Diameter Double Arming Bolts	6	7
60670200	7/8" Inch Diameter Double Arming Bolts	6	7
60670220	7/8" Inch Diameter Double Arming Bolts	6	7
60670240	7/8" Inch Diameter Double Arming Bolts	6	7
60670260	7/8" Inch Diameter Double Arming Bolts	6	7
60670280	7/8" Inch Diameter Double Arming Bolts	6	7
60670300	7/8" Inch Diameter Double Arming Bolts	6	7
60670320	7/8" Inch Diameter Double Arming Bolts	6	7
60670340	7/8" Inch Diameter Double Arming Bolts	6	7
60670360	7/8" Inch Diameter Double Arming Bolts	6	7
60671003	3/4"-10 UNC All Thread	6	12
60671006	3/4"-10 UNC All Thread	6	12
60671012	3/4"-10 UNC All Thread	6	12
60672003	7/8"-9 UNC All Thread	6	12
60672006	7/8"-9 UNC All Thread	6	12
60672012	7/8"-9 UNC All Thread	6	12
60673003	1"-8 UNC All Thread	6	12
60673006	1"-8 UNC All Thread	6	12
60673010	3/8" Inch Diameter Hex Head	6	3
60673012	1"-8 UNC All Thread	6	12



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60673014	3/8" Inch Diameter Hex Head	6	3
60673020	3/8" Inch Diameter Hex Head	6	3
60673024	3/8" Inch Diameter Hex Head	6	3
60673030	3/8" Inch Diameter Hex Head	6	3
60673034	3/8" Inch Diameter Hex Head	6	3
60673040	3/8" Inch Diameter Hex Head	6	3
60673044	3/8" Inch Diameter Hex Head	6	3
60673050	3/8" Inch Diameter Hex Head	6	3
60673054	3/8" Inch Diameter Hex Head	6	3
60674010	1/2" Inch Diameter Hex Head	6	3
60674014	1/2" Inch Diameter Hex Head	6	3
60674020	1/2" Inch Diameter Hex Head	6	3
60674024	1/2" Inch Diameter Hex Head	6	3
60674030	1/2" Inch Diameter Hex Head	6	3
60674034	1/2" Inch Diameter Hex Head	6	3
60674040	1/2" Inch Diameter Hex Head	6	3
60674044	1/2" Inch Diameter Hex Head	6	3
60674050	1/2" Inch Diameter Hex Head	6	3
60674054	1/2" Inch Diameter Hex Head	6	3
60674060	1/2" Inch Diameter Hex Head	6	3
60674064	1/2" Inch Diameter Hex Head	6	3
60674070	1/2" Inch Diameter Hex Head	6	3
60674080	1/2" Inch Diameter Hex Head	6	3
60674090	1/2" Inch Diameter Hex Head	6	3
60674100	1/2" Inch Diameter Hex Head	6	3
60674110	1/2" Inch Diameter Hex Head	6	3
60674120	1/2" Inch Diameter Hex Head	6	3
60674140	1/2" Inch Diameter Hex Head	6	3
60674160	1/2" Inch Diameter Hex Head	6	3
60674180	1/2" Inch Diameter Hex Head	6	3
60674200	1/2" Inch Diameter Hex Head	6	3
60675010	5/8" Inch Diameter Hex Head	6	3
60675014	5/8" Inch Diameter Hex Head	6	3
60675020	5/8" Inch Diameter Hex Head	6	3
60675024	5/8" Inch Diameter Hex Head	6	3
60675030	5/8" Inch Diameter Hex Head	6	3
60675034	5/8" Inch Diameter Hex Head	6	3
60675040	5/8" Inch Diameter Hex Head	6	3
60675044	5/8" Inch Diameter Hex Head	6	3
60675050	5/8" Inch Diameter Hex Head	6	3
60675060	5/8" Inch Diameter Hex Head	6	3
60675070	5/8" Inch Diameter Hex Head	6	3
60675080	5/8" Inch Diameter Hex Head	6	3
60675090	5/8" Inch Diameter Hex Head	6	3
60675100	5/8" Inch Diameter Hex Head	6	3



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60675120	5/8" Inch Diameter Hex Head	6	3
60675140	5/8" Inch Diameter Hex Head	6	3
60675160	5/8" Inch Diameter Hex Head	6	3
60675180	5/8" Inch Diameter Hex Head	6	3
60675200	5/8" Inch Diameter Hex Head	6	3
60675220	5/8" Inch Diameter Hex Head	6	3
60675240	5/8" Inch Diameter Hex Head	6	3
60675260	5/8" Inch Diameter Hex Head	6	3
60676020	3/4" Inch Diameter Hex Head	6	3
60676024	3/4" Inch Diameter Hex Head	6	3
60676030	3/4" Inch Diameter Hex Head	6	3
60676034	3/4" Inch Diameter Hex Head	6	3
60676060	3/4" Inch Diameter Hex Head	6	3
60676070	3/4" Inch Diameter Hex Head	6	3
60676080	3/4" Inch Diameter Hex Head	6	3
60676100	3/4" Inch Diameter Hex Head	6	3
60676120	3/4" Inch Diameter Hex Head	6	3
60676140	3/4" Inch Diameter Hex Head	6	3
60676160	3/4" Inch Diameter Hex Head	6	3
60676180	3/4" Inch Diameter Hex Head	6	3
60676200	3/4" Inch Diameter Hex Head	6	3
60676220	3/4" Inch Diameter Hex Head	6	3
60676240	3/4" Inch Diameter Hex Head	6	3
60676260	3/4" Inch Diameter Hex Head	6	3
60677120	7/8" Inch Diameter Machine Hex Head	6	3
60677140	7/8" Inch Diameter Machine Hex Head	6	3
60677160	7/8" Inch Diameter Machine Hex Head	6	3
60677180	7/8" Inch Diameter Machine Hex Head	6	3
60677200	7/8" Inch Diameter Machine Hex Head	6	3
60677220	7/8" Inch Diameter Machine Hex Head	6	3
60677240	7/8" Inch Diameter Machine Hex Head	6	3
60677260	7/8" Inch Diameter Machine Hex Head	6	3
60801402	Stainless Steel Type 316 Banding	8	2
60801403	Stainless Steel Type 316 Banding	8	2
60801404	Stainless Steel Type 316 Banding	8	2
60801405	Stainless Steel Type 316 Banding	8	2
60801406	Stainless Steel Type 316 Banding	8	2
60802452	Stainless Steel Type 316 Buckles	8	4
60802453	Stainless Steel Type 316 Buckles	8	4
60802454	Stainless Steel Type 316 Buckles	8	4
60802455	Stainless Steel Type 316 Buckles	8	4
60802456	Stainless Steel Type 316 Buckles	8	4
60804213	Stainless Steel Type 316 Specialty Short Wing Seals	8	3
60805100	Pole Bolt / Clamp	8	6
60805200	Pole Bolt / Clamp	8	6



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60806200	Mounting Plate	8	6
61001001	Stainless Steel Type 316 Ground Rod	10	2
61001002	Stainless Steel Type 316 Ground Rod	10	2
61001004	Stainless Steel Type 316 Ground Rod	10	2
61001005	Stainless Steel Type 316 Ground Rod	10	2
61001007	Stainless Steel Type 316 Ground Rod	10	2
61002001	Stainless Steel Type 316 Ground Rod Sectional	10	2
61002002	Stainless Steel Type 316 Ground Rod Sectional	10	2
61002004	Stainless Steel Type 316 Ground Rod Sectional	10	2
61002005	Stainless Steel Type 316 Ground Rod Sectional	10	2
61002007	Stainless Steel Type 316 Ground Rod Sectional	10	2
61201001	Flat Stainless Steel Cross Arm Brace	12	2
61201002	Flat Stainless Steel Cross Arm Brace	12	2
61201003	Flat Stainless Steel Cross Arm Brace	12	2
61201004	Flat Stainless Steel Cross Arm Brace	12	2
61201005	Flat Stainless Steel Cross Arm Brace	12	2
61201006	Flat Stainless Steel Cross Arm Brace	12	2
61201007	Flat Stainless Steel Cross Arm Brace	12	2
61201008	Flat Stainless Steel Cross Arm Brace	12	2
61201009	Flat Stainless Steel Cross Arm Brace	12	2
61201010	Flat Stainless Steel Cross Arm Brace	12	2
61201011	Flat Stainless Steel Cross Arm Brace	12	2
61204001	Cross Arm Brace	12	2
61204002	Cross Arm Brace	12	2
61212103	Single Take-off Pole Band	12	3
61212104	Single Take-off Pole Band	12	3
61212105	Single Take-off Pole Band	12	3
61212106	Single Take-off Pole Band	12	3
61212107	Single Take-off Pole Band	12	3
61212108	Single Take-off Pole Band	12	3
61212109	Single Take-off Pole Band	12	3
61212203	Double Take-off Pole Band	12	3
61212204	Double Take-off Pole Band	12	3
61212205	Double Take-off Pole Band	12	3
61212206	Double Take-off Pole Band	12	3
61212207	Double Take-off Pole Band	12	3
61212208	Double Take-off Pole Band	12	3
61212209	Double Take-off Pole Band	12	3
61212403	Quarter Take-off Pole Band	12	3
61212404	Quarter Take-off Pole Band	12	3
61212405	Quarter Take-off Pole Band	12	3
61212406	Quarter Take-off Pole Band	12	3
61212407	Quarter Take-off Pole Band	12	3
61212408	Quarter Take-off Pole Band	12	3
61212409	Quarter Take-off Pole Band	12	3



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61213006	Extension Straps	12	3
61213008	Extension Straps	12	3
61213110	Extension Straps	12	3
61213112	Extension Straps	12	3
61213114	Extension Straps	12	3
61213118	Extension Straps	12	3
61213132	Extension Straps	12	3
61214001	Offset Pole Bracket	12	4
61215001	Pole Top Extension	12	4
61217010	Ridgid Corner Construction Brackets	12	5
61217015	Ridgid Corner Construction Brackets	12	5
61218002	Transformer Adapter Plates (Light Duty)	12	6
61218004	Transformer Adapter Plates (Heavy Duty)	12	6
61219002	Transformer Cluster Mounting Bracket	12	6
61219004	Transformer Cluster Mounting Bracket	12	6
61219007	Transformer Cluster Mounting Bracket	12	6
61220001	Transformer Mounting Plate	12	6
61222001	Straight Bayonets, Ground Wire	12	7
61222002	Straight Bayonets, Ground Wire	12	7
61222003	Straight Bayonets, Ground Wire	12	7
61222004	Corner Bayonets, Ground Wire	12	7
61222005	Corner Bayonets, Ground Wire	12	7
61223001	Cut-out Mounting Bracket	12	8
61224001	Cable Suspension Support Strap	12	8
61225001	Cable Extension Arms	12	9
61225002	Cable Extension Arms	12	9
61226001	Eyelet Clevises	12	10
61226002	Eyelet Clevises	12	10
61229001	Connecting Links (Pairs)	12	11
61229002	Connecting Links (Pairs)	12	11
61229003	Connecting Links (Pairs)	12	11
61229004	Connecting Links (Pairs)	12	11
61229005	Connecting Links (Pairs)	12	11
61229006	Connecting Links (Pairs)	12	11
61229007	Connecting Links (Pairs)	12	11
61229008	Connecting Links (Pairs)	12	11
61229009	Connecting Links (Pairs)	12	11
61229010	Connecting Links (Pairs)	12	11
61229011	Connecting Links (Pairs)	12	11
61229012	Connecting Links (Pairs)	12	11
61230001	Flat Extension Links	12	11
61230002	Flat Extension Links	12	11
61234001	House Brackets	12	12
61235001	Brackets, Apparatus Mounting	12	13
61235002	Brackets, Apparatus Mounting	12	13



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61235004	Brackets, Apparatus Mounting	12	13
61235005	Brackets, Apparatus Mounting	12	13
61235007	Brackets, Apparatus Mounting	12	13
61235008	Brackets, Apparatus Mounting	12	13
61241000	Rectangular Pole Band	12	12
61301001	Figure 8 Double Link Plain	13	2
61307008	Single Upset Spool Bolts	13	2
61307010	Single Upset Spool Bolts	13	2
61307012	Single Upset Spool Bolts	13	2
61307014	Single Upset Spool Bolts	13	2
61307016	Single Upset Spool Bolts	13	2
61309001	Heavy Duty Insulator Pins	13	3
61309002	Heavy Duty Insulator Pins	13	3
61309003	Heavy Duty Insulator Pins	13	3
61309004	Heavy Duty Insulator Pins	13	3
61309005	Heavy Duty Insulator Pins	13	3
61309006	Heavy Duty Insulator Pins	13	3
61309007	Heavy Duty Insulator Pins	13	3
61309008	Heavy Duty Insulator Pins	13	3
61309009	Heavy Duty Insulator Pins	13	3
61311001	Secondary Clevises (Spool Insulator Clevises ANSI Class 53-2)	13	4
61311003	Secondary Clevises (Spool Insulator Clevises ANSI Class 53-2)	13	4
61312002	Secondary Clevises (Triplex Support Bracket)	13	5
61312003	Secondary Clevises (Triplex Support Bracket)	13	5
61317001	Socket Eye Clevis Adapter	13	6
61319001	Ball Clevis	13	6
61322001	Mounting Studs For Line Post Insulators	13	7
61322002	Mounting Studs For Line Post Insulators	13	7
61322003	Mounting Studs For Line Post Insulators	13	7
61322004	Mounting Studs For Line Post Insulators	13	7
61323001	Pole Top Pin	13	8
61323002	Pole Top Pin	13	8
61323003	Pole Top Pin	13	8
61323004	Pole Top Pin	13	8
61323005	Pole Top Pin	13	8
61323006	Pole Top Pin	13	8
61323007	Pole Top Pin	13	8
61324001	Pole Top Pin	13	8
61324002	Pole Top Pin	13	8
61324003	Pole Top Pin	13	8
61324004	Pole Top Pin	13	8
61324005	Pole Top Pin	13	8
61324006	Pole Top Pin	13	8
61325001	Insulator Pins (Long Shank)	13	8
61325002	Insulator Pins (Long Shank)	13	8



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61325006	Insulator Pins (Long Shank)	13	8
61325007	Insulator Pins (Long Shank)	13	8
61325008	Insulator Pins (Long Shank)	13	8
61325009	Insulator Pins (Long Shank)	13	8
61325010	Insulator Pins (Long Shank)	13	8
61325012	Insulator Pins (Long Shank)	13	8
61325016	Insulator Pins (Long Shank)	13	8
61325017	Insulator Pins (Long Shank)	13	8
61325018	Insulator Pins (Long Shank)	13	8
61325019	Insulator Pins (Long Shank)	13	8
61325021	Insulator Pins (Long Shank)	13	8
61326001	Insulator Pins (Short Shank)	13	8
61326002	Insulator Pins (Short Shank)	13	8
61326003	Insulator Pins (Short Shank)	13	8
61326004	Insulator Pins (Short Shank)	13	8
61326005	Insulator Pins (Short Shank)	13	8
61326006	Insulator Pins (Short Shank)	13	8
61328001	Insulator Bracket (For Drop Dead Lead)	13	9
61329001	Insulator Mounting Bracket	13	9
61330006	Cut-out Arrestor Combination Bracket (Single Phase)	13	10
61330013	Cut-out Arrestor Combination Bracket (Single Phase)	13	10
61330018	Cut-out Arrestor Combination Bracket (Single Phase)	13	10
61330019	Cut-out Arrestor Combination Bracket (Single Phase)	13	10
61330023	Cut-out Arrestor Combination Bracket (Single Phase)	13	10
61332001	Stand Off Bracket	13	11
61332002	Stand Off Bracket	13	11
61332005	Stand Off Bracket	13	11
61332018	Stand Off Bracket	13	11
61333001	Insulator Pins (Primary Drop Wire)	13	3
61333002	Insulator Pins (Primary Drop Wire)	13	3
61333003	Insulator Pins (Primary Drop Wire)	13	3
61333004	Insulator Pins (Primary Drop Wire)	13	3
61333005	Insulator Pins (Primary Drop Wire)	13	3
61333006	Insulator Pins (Primary Drop Wire)	13	3
61333007	Insulator Pins (Primary Drop Wire)	13	3
61333008	Insulator Pins (Primary Drop Wire)	13	3
61333009	Insulator Pins (Primary Drop Wire)	13	3
61335001	Transformer Pins	13	12
61335002	Transformer Pins	13	12
61336001	Secondary Racks	13	12
61336002	Secondary Racks	13	12
61336003	Secondary Racks	13	12
61336004	Secondary Racks	13	12
61336005	Secondary Racks	13	12
61338001	Pole Top Bracket	13	12



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70314100	Messenger Support Clamp	3	12
70350025	Galvanized Ductile Iron Serpentine Clamp For Jacketed Strand	3	14
70350075	Galvanized Ductile Iron Serpentine Clamp For Jacketed Strand	3	14
71241000	Rectangular Pole Band	12	12
81221001	Spiral Wrap (Nylon)	16	12
81221002	Spiral Wrap (Nylon)	16	12
81221003	Spiral Wrap (Nylon)	16	12
81221004	Spiral Wrap (Nylon)	16	12
81221005	Spiral Wrap (Nylon)	16	12
81221006	Spiral Wrap (Nylon)	16	12
81221007	Spiral Wrap (Nylon)	16	12
81221008	Spiral Wrap (Nylon)	16	12
81221009	Spiral Wrap (Nylon)	16	12
81221010	Spiral Wrap (Nylon)	16	12
81221011	Spiral Wrap (Nylon)	16	12
81221012	Spiral Wrap (Nylon)	16	12
81221013	Spiral Wrap (Nylon)	16	12
81221014	Spiral Wrap (Nylon)	16	12
81221015	Spiral Wrap (Nylon)	16	12
81602001	Cable Spacers	16	2
81603001	Center Sleeve	16	3
81604001	Ground Wire Molding	16	3
81604002	Ground Wire Molding	16	3
81604003	Ground Wire Molding	16	3
81604004	Ground Wire Molding	16	3
81604005	Ground Wire Molding	16	3
81604006	Ground Wire Molding	16	3
81606001	Guard Cable B	16	4
81606002	Guard Cable B	16	4
81606003	Guard Cable B	16	4
81607001	Tree Guard	16	4
81607002	Tree Guard	16	4
81607003	Tree Guard	16	4
81608001	Guy Marker "SM"-"ST"	16	4
81608002	Guy Marker "SM"-"ST"	16	4
81608003	Guy Marker "SM"-"ST"	16	4
81609001	Guy Marker "TU"-"ST"	16	5
81609002	Guy Marker "TU"-"ST"	16	5
81609003	Guy Marker "TU"-"ST"	16	5
81610001	Guy Marker "TU-STTW"	16	5
81610002	Guy Marker "TU-STTW"	16	5
81610003	Guy Marker "TU-STTW"	16	5
81611001	Guy Marker "TU"	16	6
81611002	Guy Marker "TU"	16	6
81611003	Guy Marker "TU"	16	6



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81611004	Hardware for "TU" Guy Marker	16	6
81612001	Guy Marker "TU-NH"	16	5
81612002	Guy Marker "TU-NH"	16	5
81612003	Guy Marker "TU-NH"	16	5
81613001	Guy Marker "EZ-ON"	16	7
81613002	Guy Marker "EZ-ON"	16	7
81613003	Guy Marker "EZ-ON"	16	7
81614001	Guy Marker "Grid"	16	7
81614002	Guy Marker "Grid"	16	7
81614003	Guy Marker "Grid"	16	7
81615001	Guy Marker "OHS"	16	7
81615002	Guy Marker "OHS"	16	7
81615003	Guy Marker "OHS"	16	7
81616001	Guy Marker "Standard"	16	8
81616002	Guy Marker "Standard"	16	8
81616003	Guy Marker "Standard"	16	8
81617001	Guy Marker "Utility"	16	8
81617002	Guy Marker "Utility"	16	8
81617003	Guy Marker "Utility"	16	8
81618001	Phasing Disc	16	9
81618002	Phasing Disc	16	9
81618003	Phasing Disc	16	9
81618004	Phasing Disc	16	9
81619001	Squirrel Guard ("Z" Rodent Guard)	16	9
81619002	Squirrel Guard ("Z" Rodent Guard)	16	9
81620001	Spiral Wrap (Polyethylene)	16	10
81620002	Spiral Wrap (Polyethylene)	16	10
81620003	Spiral Wrap (Polyethylene)	16	10
81620004	Spiral Wrap (Polyethylene)	16	10
81620005	Spiral Wrap (Polyethylene)	16	10
81620006	Spiral Wrap (Polyethylene)	16	10
81620007	Spiral Wrap (Polyethylene)	16	10
81620008	Spiral Wrap (Polyethylene)	16	10
81620009	Spiral Wrap (Polyethylene)	16	10
81620010	Spiral Wrap (Polyethylene)	16	10
81620011	Spiral Wrap (Polyethylene)	16	10
81620012	Spiral Wrap (Polyethylene)	16	10
81620013	Spiral Wrap (Polyethylene)	16	10
81620014	Spiral Wrap (Polyethylene)	16	10
81620015	Spiral Wrap (Polyethylene)	16	10
81620016	Spiral Wrap (Polyethylene)	16	10
81620017	Spiral Wrap (Polyethylene)	16	10
81620018	Spiral Wrap (Polyethylene)	16	10
81620019	Spiral Wrap (Polyethylene)	16	10
81620020	Spiral Wrap (Polyethylene)	16	10



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81620021	Spiral Wrap (Polyethylene)	16	10
81620022	Spiral Wrap (Polyethylene)	16	10
81620023	Spiral Wrap (Polyethylene)	16	10
81620024	Spiral Wrap (Polyethylene)	16	10
81620025	Spiral Wrap (Polyethylene)	16	10
81622001	Spiral Wrap (RPVC)	16	11
81622002	Spiral Wrap (RPVC)	16	11
81622003	Spiral Wrap (RPVC)	16	11
81622004	Spiral Wrap (RPVC)	16	11
81622005	Spiral Wrap (RPVC)	16	11
81622006	Spiral Wrap (RPVC)	16	11
81622007	Spiral Wrap (RPVC)	16	11
81622008	Spiral Wrap (RPVC)	16	11
81622009	Spiral Wrap (RPVC)	16	11
81622010	Spiral Wrap (RPVC)	16	11
81622011	Spiral Wrap (RPVC)	16	11
81622012	Spiral Wrap (RPVC)	16	11
81622013	Spiral Wrap (RPVC)	16	11
81622014	Spiral Wrap (RPVC)	16	11
81622015	Spiral Wrap (RPVC)	16	11
81622016	Spiral Wrap (RPVC)	16	11
81622017	Spiral Wrap (RPVC)	16	11
81622018	Spiral Wrap (RPVC)	16	11
038SA302L	Stainless Steel Type 302 Lashing Wire	15	2
038SA316L	Stainless Steel Type 316 Lashing Wire	15	2
045SA302L	Stainless Steel Type 302 Lashing Wire	15	2
045SA316L	Stainless Steel Type 316 Lashing Wire	15	2
045SA430L	Stainless Steel Type 430 Lashing Wire	15	2
061SA302L-1	Stainless Steel Type 302 Lashing Wire	15	2
061SA302L-2	Stainless Steel Type 302 Lashing Wire	15	2
061SA316L-1	Stainless Steel Type 316 Lashing Wire	15	2
061SA316L-2	Stainless Steel Type 316 Lashing Wire	15	2
061SA430L-1	Stainless Steel Type 430 Lashing Wire	15	2
061SA430L-2	Stainless Steel Type 430 Lashing Wire	15	2
065SA302L-1	Stainless Steel Type 302 Lashing Wire	15	2
065SA302L-2	Stainless Steel Type 302 Lashing Wire	15	2
065SA316L-1	Stainless Steel Type 316 Lashing Wire	15	2
065SA316L-	Stainless Steel Type 316 Lashing Wire	15	2



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2			
065SA430L-1	Stainless Steel Type 430 Lashing Wire	15	2
065SA430L-2	Stainless Steel Type 430 Lashing Wire	15	2
81601005F	Cable Guards	16	2
81601005S	Cable Guards	16	2
81601005U	Cable Guards	16	2
CH-1 1/2-G-SS316	1 1/2" Stainless Steel Type 316 Conduit Hubs	9	2
CH-1 1/4-G-SS316	1 1/4" Stainless Steel Type 316 Conduit Hubs	9	2
CH-1/2-G-SS316	1/2" Stainless Steel Type 316 Conduit Hubs	9	2
CH-1-G-SS316	1" Stainless Steel Type 316 Conduit Hubs	9	2
CH-2-G-SS316	2" Stainless Steel Type 316 Conduit Hubs	9	2
CH-3/4-G-SS316	3/4" Stainless Steel Type 316 Conduit Hubs	9	2
ID-406-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-406-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-409-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-409-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-412-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-412-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-415-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-415-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-418-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-418-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-421-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-421-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-425-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-425-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-428-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-428-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-431-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-431-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-437-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-437-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-443-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-443-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-450-N	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-450-V	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
ID-5506-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5506-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5509-N	Machined Series Closed Body Double Socket Turnbuckle	4	3



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ID-5509-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5512-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5512-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5515-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5515-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5518-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5518-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5521-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5521-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5525-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5525-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5528-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5528-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5531-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5531-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5537-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5537-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5543-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5543-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5550-N	Machined Series Closed Body Double Socket Turnbuckle	4	3
ID-5550-V	Machined Series Closed Body Double Socket Turnbuckle	4	3
IJD-406-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-406-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-409-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-409-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-412-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-412-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-415-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-415-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-418-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-418-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-421-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-421-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-425-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-425-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-428-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-428-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-431-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-431-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-437-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-437-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-443-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-443-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-450-N	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJD-450-V	Machined Series Closed Body Double Clevis Turnbuckle	4	3



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IJS-406	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-409	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-412	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-415	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-418	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-421	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-425	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-428	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-431	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-437	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-443	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IJS-450	Machined Series Closed Body Double Clevis Turnbuckle	4	3
IS-406	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-409	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-412	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-415	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-418	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-421	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-425	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-428	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-431	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-437	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-443	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-450	Machined Series Closed Body Clevis And Socket Turnbuckle	4	3
IS-5506	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5509	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5512	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5515	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5518	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5521	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5525	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5528	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5531	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5537	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5543	Machined Series Closed Body Double Socket Turnbuckle	4	3
IS-5550	Machined Series Closed Body Double Socket Turnbuckle	4	3
OK*125	Positive Grip "OK" Fittings	14	3
OK*128	Positive Grip "OK" Fittings	14	3
OK*133	Positive Grip "OK" Fittings	14	3
OK*137	Positive Grip "OK" Fittings	14	3
OK*141	Positive Grip "OK" Fittings	14	3
OK*150	Positive Grip "OK" Fittings	14	3
OK*156	Positive Grip "OK" Fittings	14	3
PA11200	Bail Assembly	14	2
PA11201	Clevis Assembly	14	2



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PA15000	Bail Assembly	14	2
PA15001	Clevis Assembly	14	2
PA20800	Bail Assembly	14	2
PA20801	Clevis Assembly	14	2
PA4000	Bail Assembly	14	2
PA4001	Clevis Assembly	14	2
PA8000	Bail Assembly	14	2
PA8001	Clevis Assembly	14	2
T0801001	Spin Tight Tool	8	5
T0802101	Tensioner	8	5
T0803402	Giant Tool	8	5
T0804085	Bantam Strapping Tool	8	5
X1310001	Lead Pin Head Adapter	12	3



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