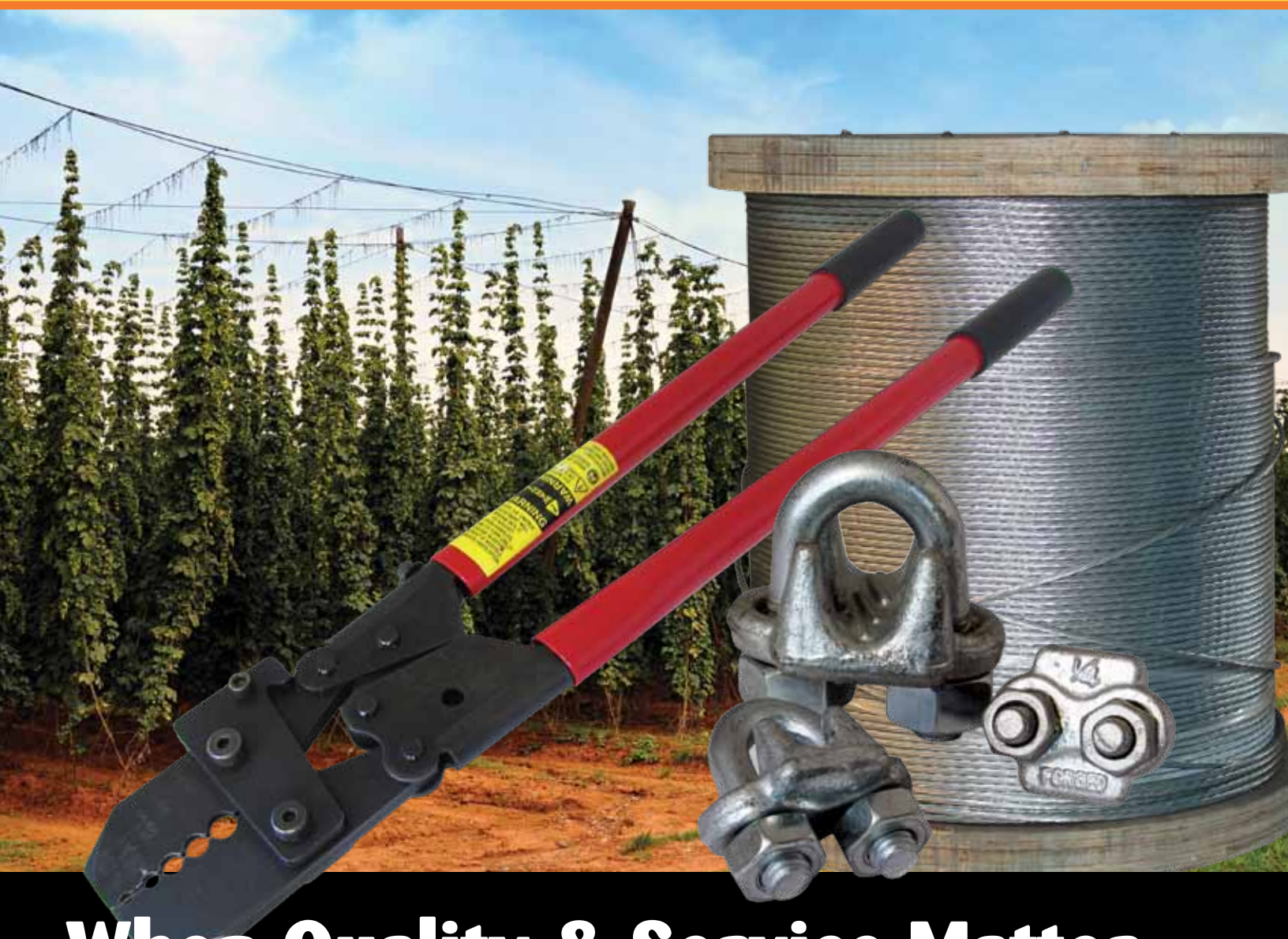


TRELLIS HARDWARE

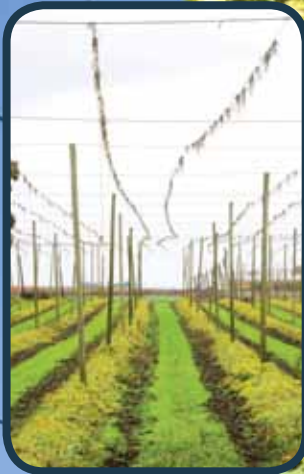
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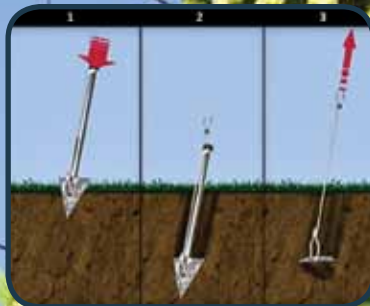
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Trellis Hardware



Guy Wire & Fittings



Earth Anchoring Systems



Pole Hardware



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Product Index

Aircraft Cable	4	Guy Strand	
Cable Fittings		Common Grade	2
Aluminum Sleeves.....	5	Guy Strand Coils	2
Aluminum Stops	5	EHS (Extra High Strength)	2
Thimbles Heavy Duty	5	Guy Strand Dead Ends.....	3
Cable Accessories		Guy Strand Splices.....	3
Cable Cutters.....	11	Guy Strand Tensioners	3
Swaging Tools	11	Kwik-Locks.....	7
Cable Sleeves & Stops.....	5	Splices	3
Dead Ends.....	3	Malleable Wire Rope Clips.....	13
Drop Forged Clips	13	Swaging Tools.....	11
Earth Anchors		Scrubs Hand Cleaner Towels	11
Arrowheads.....	8	Tensioners	3
Helix.....	9	Thimbles	5
Driving Rods	8	Washers	10
Eye Bolts	10	Turnbuckles.....	12
Gripples		Wire Rope Clips.....	13
Dynamic Grippples	6		
Gripple Plus	6		
Gripple Single Channel	6		
Gripple "T" Clip.....	7		
Gripple Tensioning Tools	7		

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- Class A Galvanized, meets ASTM A 475
- Coils include dispenser cage.
- Use guy strand dead ends & splices.
- Left hand lay.

EHS Guy Strand Cable - Extra High Strength

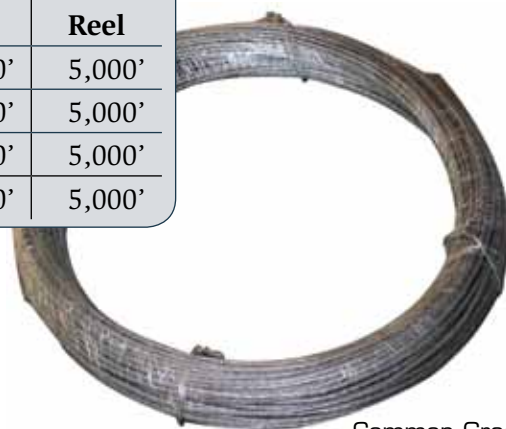
Part #	Type	Diameter	Break Strength (lbs)	Coil	Reel
2G1E187- (length)	1 x 7	3/16"	3,990	250'	5,000'
2G1E250- (length)	1 x 7	1/4"	6,650	250'	5,000'
2G1E312- (length)	1 x 7	5/16"	11,200	200'	5,000'
2G1E375- (length)	1 x 7	3/8"	15,400	150'	5,000'

Guy Strand - Common Grade

Part #	Type	Diameter	Break Strength (lbs)	Coil	Reel
2G1C125- (length)	1 x 7	1/8"	540	250'	5,000'
2G1C187- (length)	1 x 7	3/16"	1,150	250'	5,000'
2G1C250- (length)	1 x 7	1/4"	1,900	250'	5,000'
2G1C312- (length)	1 x 7	5/16"	3,200	250'	5,000'

Product Information

- Class A Galvanized, meets ASTM A 475.
- Easily hand spliceable (can be wrapped by hand around a thimble).
- Left Hand Lay.



Common Grade

Guy Strand Tensioners

Part #	Strand Size	Wt (lbs)/Ea
GST187	3/16"	.45
GST250	1/4"	.56
GST312	5/16"	1.20
GST375	3/8"	1.53



- Rated to hold a minimum of 90% of RBS for strand used.
- Terminate overhead or down guy wire.
- Universal Bale design.



- Rated to hold a minimum of 90% of RBS for strand used.
- Splice 2 pieces of like strand.

Guy Strand Splices

Part #	Strand Size	Wt (lbs)/Ea
GSS187	3/16"	.40
GSS250	1/4"	.51
GSS312	5/16"	.80
GSS375	3/8"	1.20

Dead Ends

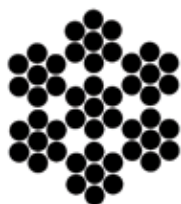
Part #	Strand Size	Wt (lbs)/Ea
TG187	3/16"	.15
TG250	1/4"	.25
TG312	5/16"	.55
TG375	3/8	.90



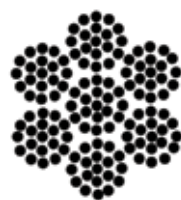
- Used to form termination on the end of EHS guy strand.
- Use of heavy duty thimbles with Dead Ends required by ANSI A300.

Galvanized Aircraft Cable

Diameter	Type	Part#	Breaking Strength (lbs)	Wt (lbs)/ 1000 Ft
1/16"	7 x 7	2G7062	480	8
3/32"	7 x 7	2G7093	920	16
1/8"	7 x 7	2G7125	1,700	28
3/32"	7 x 19	2G9093	1,050	17
1/8"	7 x 19	2G9125	2,000	29
5/32"	7 x 19	2G9156	2,800	45
3/16"	7 x 19	2G9187	4,200	65
1/4"	7 x 19	2G9250	7,000	111
5/16"	7 x 19	2G9312	9,800	173
3/8"	7 x 19	2G9375	14,400	243



7 x 7



7 x 19

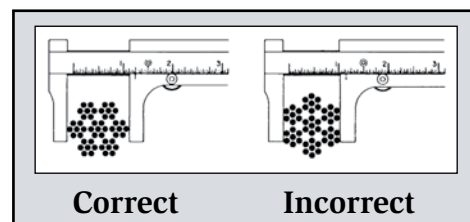
Stainless Steel Aircraft Cable Type 304

Diameter	Type	Part#	Breaking Strength (lbs)	Wt (lbs)/ 1000 Ft
1/16"	7 x 7	2S7062	480	8
3/32"	7 x 7	2S7093	920	16
1/8"	7 x 7	2S7125	1,700	28
1/8"	7 x 19	2S9125	1,760	29
3/16"	7 x 19	2S9187	3,700	65
1/4"	7 x 19	2S9250	6,400	110
5/16"	7 x 19	2S9312	9,000	173
3/8"	7 x 19	2S9250	12,000	243



Product Information

- Available on 250', 500', 1,000', 2,500' and 5,000' reels.



Aluminum Sleeves & Stops



- Available in 100 and 1,000 pc bags.
- Also available in Copper, Zinc Plated Copper and Stainless Steel.
- See swaging tools on page 11.



Sleeves	Cable Size	Part Number	Wt (lbs)/ 100 Pcs
	1/16"	ASL062	.08
	3/32"	ASL093	.33
	1/8"	ASL125	.63
	5/32"	ASL156	.84
	3/16"	ASL187	1.60
	1/4"	ASL250	2.50
	5/16"	ASL312	3.60
Stops	Cable Size	Part Number	
	1/16"	AST062	.12
	3/32"	AST093	.28
	1/8"	AST125	.25
	5/32"	AST156	.44
	3/16"	AST187	.38
	1/4"	AST250	1.90
	5/16"	AST312	1.60



- Sleeves when properly applied, are capable of holding the rated breaking strength of the cable.
- Stops, when properly applied are capable of holding only 1/3 to 1/2 of the rated strength of the cable to which they are applied.

Thimbles Heavy Duty Galvanized

Part#	Size	Wt (lbs)/ 100 Pcs
THD187	3/16"	3.6
THD250	1/4"	6.2
THD312	5/16"	11.5
THD375	3/8"	14.2
THD500	1/2"	57.0



- Other sizes and grades available (AN-Type & Standard Duty).

Gripples®

Gripple Wire/Cable Tensioners allow both in-line splicing, looping and end terminations utilizing locking ceramic rollers with stainless steel springs for maximum outdoor performance.

- Use for trellising, fencing, netting and anchoring.
- Can be used with strand, cable hardwire, barbed wire and monofilament.
- Adjustable, may be retensioned as needed.



GD4

Dynamic Gripple - lock and unlock with hex key

Part #	Cable Size	Maximum Load
GD4	5/32" 1x19 & 3/16" 7x19	1,650 lbs
GD6	1/4" 7x7 & 7x19	3,850 lbs



GRIPPLE -PLUS

Gripple Plus - corrosion resistant

Part #	Cable Size	Maximum Load
GPLUS-SM	1/16" - 17-13 Ga	600 lbs
GPLUS-M	1/8" - 14-10 Ga	880 lbs
GPLUS-L	5/32" - 10-7.5 Ga	1,320 lbs

Gripple Single Channel - end terminations

Part #	Cable Size	Maximum Load
GP1	1/8" - 15-11 Ga	880 lbs
GP2	5/32" - 7.5-5 Ga	1,320 lbs



GP1

Gripple T-Clip - fence wire termination

Part #	Wire Ga	Barbed Wire
T-Clip	1/8" - 14-10 Ga	15-1/2 Ga
T-Clip 2	1/16" - 15 Ga	14 Ga

- Up to 5 times faster than knotting.
- Ideal for awkward, tight spaces particularly horse fencing.
- Simple twist and push fit - ideal for use with very hard wires where knotting is cumbersome.
- Neat professional finish.
- Two sizes available for both stock fencing or barbed wire applications.



GT-TOOL

- The Gripple Torque Tensioning Tool allows you to tension wire up to 880 lbs with minimal effort due to the 6:1 gear drive mechanism.
- Accommodates wire or cable up to 1/4".
- Internal torque gauge controls the load applied to the wire, allowing for consistent tension.
- Measures from 220 lbs to 660 lbs.
- Easy to use and lightweight.

Gripple Tensioning Tools

Part #	Capacity	Features
GT-Tool	1/16"- 3/16" Cable	Torque Gauge
GC-Tool	1/4 Cable	All Steel



GC-TOOL

- The Contractor Tool is strong robust and built for contractors.
- All metal construction for added durability and strength.
- 10:1 mechanical advantage helps you apply the same tension with less effort
- Gear driven, long handles for increased leverage.
- Quick release cam to position the tool easily on the wire.
- Soft moulded ergonomic grips for added comfort.



KL-TOOL

- Weatherproof Zinc Alloy.
- Easily adjustable with exposed pin.
- Installs in seconds, re-usable.
- UL approved.

Kwik-Locks



Part#	Cable & Wire Sizes	W.L.L.	Weight/Ea
KL100	1/16" & 3/32"	150	.05
KL150	3/32" & 1/8"	225	.13
KL200	1/8" & 3/16"	640	.35
KL600	1/4"	Available June 2014	
KL-TOOL	Kwik-Lok Tensioning Tool		8.0

Arrowhead Anchors

Part #	Cable	Anchor Width	Dense Sand or Gravel	Medium Sandy Gravel	Loose Medium to Fine Sand	Loose Fine uncompacted Sand
AA-2	1/8" x 30"	2"	300 lbs	170 lbs	100 lbs	50 lbs
AA-3	1/8" x 30"	3"	700	450	240	120
AA-4	3/16" x 36"	4"	1,200	750	400	200
AA-6	1/4" x 42"	6"	3,000	2,000	1,200	600
AA-8	5/16" x 48"	8"	6,500	3,500	2,200	1,250
AA-10	3/8" x 60"	10"	11,000	7,000	4,000	2,400
Soil Class			1	2	3	4

Product Information

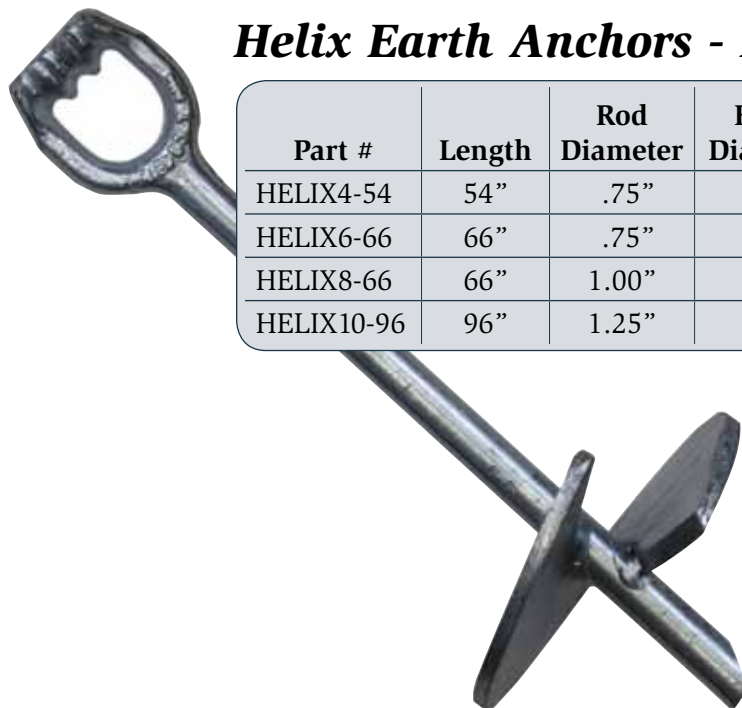
- Hammer in with drive rod, remove rod, pull cable to turn anchor.
- Pullout chart "lbs" are approximate and will vary based on soil type, moisture content and anchor depth.
- Anchors are available in additional cable lengths or as uncabled.



Driving Rods



Part #	Description	Length	Diameter
DR3-750	3' x 3/4" Standard	3'	3/4"
DR3-750HT	3' x 3/4" High Tensile	3'	3/4"
DR3-1	3' x 1" Standard	3'	1"
DR4	4' x 1" Standard	4'	1"
DR5	5' x 1" Standard	5'	1"
DR6	6' x 1" Standard	6'	1"
DR7	7' x 1" Standard	7'	1"
DR7-1.375	7' x 1-3/8" Standard	7'	1-3/8"
DR8-1.375	8' x 1-3/8" Standard	8'	1-3/8"
DR9	9' x 1-3/8" Standard	9'	1-3/8"
DR10	10' x 1-3/8" Standard	10'	1-3/8"

Helix Earth Anchors - Forged/Glavanized

Part #	Length	Rod Diameter	Helix Diameter	Holding Strength (lbs) Normal Soil	Weight lbs/Ea
HELIX4-54	54"	.75"	4"	3,000	9.0
HELIX6-66	66"	.75"	6"	5,000	12.0
HELIX8-66	66"	1.00"	8"	9,000	19.0
HELIX10-96	96"	1.25"	10"	10,000	42.0

Helix Earth Anchors - Formed

Part #	Length	Rod Diameter	Finish	Helix Diameter	Holding Strength (lbs) Normal Soil	Weight lbs/Ea
HELIX15-3	15"	.437"	Plain	3"	200	1.0
HELIX30-3	30"	.437"	Plain	3"	1,500	2.0
HELIX30-4	30"	.500"	Plain	4"	2,500	3.5
HELIX45-6	45"	.687"	Painted	6"	4,000	7.0



Drop Forged, Hot Galvanized, XL Thread Eyebolts



Part #	Size	WLL (lbs)	Wt (lbs)/Ea
EB250X02	1/4" x 2"	650	.07
EB250X04	1/4" x 4"	650	.10
EB312X02	5/16" x 2"	1,200	.13
EB312X04	5/16" x 4-1/4"	1,200	.15
EB375X02	3/8" x 2-1/2"	1,550	.20
EB375X04	3/8" x 4-1/2"	1,550	.25
EB375X06	3/8" x 6"	1,550	.30
EB500X03	1/2" x 3-1/4"	2,600	.50
EB500X06	1/2" x 6"	2,600	.60
EB500X08	1/2" x 8"	2,600	.76
EB500X10	1/2" x 10"	2,600	.88
EB500X12	1/2" x 12"	2,600	.94
EB500X18	1/2" x 18"	2,600	1.25
EB625X04	5/8" x 4"	4,750	.95
EB625X06	5/8" x 6"	4,750	1.09
EB625X08	5/8" x 8"	4,750	1.20
EB625X10	5/8" x 10"	4,750	1.40
EB625X12	5/8" x 12"	4,750	1.55
EB625X15	5/8" x 15"	4,750	1.68
EB625X18	5/8" x 18"	4,750	2.00
EB625X21	5/8" x 21"	4,750	2.35
EB625X24	5/8" x 24"	4,750	2.45
EB750X04	3/4" x 4-1/2"	6,450	1.40
EB750X06	3/4" x 6"	6,450	1.75
EB750X08	3/4" x 8"	6,450	2.00
EB750X10	3/4" x 10"	6,450	2.20
EB750X12	3/4" x 12"	6,450	2.30
EB875X08	7/8" x 8"	9,500	2.75
EB875X10	7/8" x 10"	9,500	3.18
EB875X12	7/8" x 12"	9,500	3.60

Eyebolt Washers - hot galvanized

Part #	O.D.	I.D.	Thickness	Wt (lbs)/Ea
WASHER500	1.39"	.55"	.097"	.034
WASHER625	1.78"	.70"	.140"	.080



Cutting Tools



FELCO C-7/RC-8



FELCO C-9/C-12/C-16



RC-450/RC-800



TWRC21B

THWC9
THWC12
THWC16

Part #	Cut Max	Description	Length	Wt (lbs)/Ea
TFC7	5/32"	Cable Cutter (FELCO)	8"	.75
TRC8	3/16"	Cable Cutter (IMPORT)	8"	.75
TFC9	1/4"	Cable Cutter (FELCO)	13"	1.90
THWC9	11/32"	Cable Cutter (IMPORT)	13"	2.00
TRC450	3/8"	Cable Cutter (IMPORT)	18"	3.60
TFC12	3/8"	Cable Cutter (FELCO)	23"	4.75
THWC12	1/2"	Cable Cutter (IMPORT)	20"	3.75
TFC16	5/8"	Cable Cutter (FELCO)	23"	6.00
THWC16	5/8"	Cable Cutter (IMPORT)	26"	5.75
TRC800	5/8"	Cable Cutter (IMPORT)	32"	9.10
TWRC21B	3/8"	Cable - Bench Mount	21"	14.00

Swaging Tools

Part #	Capacity	Length	Wt (lbs)/Ea
TSW031-062	1/32"-1/16"	9"	.75
1SC (Hand) USA	1/16"-3/16"	26"	6.50
1BSC (Bench) USA	1/16"-3/16"	22.5"	6.60
THSC350 (Hand)	1/16", 3/32", 1/8"	17"	3.50
THSC600 (Hand)	1/16"-3/16"	26"	5.50
THSC600B (Bench)	1/16"-3/16"	22.5"	5.60
THS1000 (Hand)	5/32", 1/4", 5/16"	30"	19.00
L-250 (Hand)	1/4"	28"	5.50
TSW312 (Hand)	5/16"	28"	5.70
TSW375 (Hand)	3/8"	26.5"	14.50
TGA-1P	Go/No-Go Gauge for 1SC and 1BSC Tools		
TGA-2P	Go/No-Go Gauge for L250 Tool		



TSW031-062

1SC Hand-Held Model
L-250 Hand-Held Model
THSC 600 Hand-Held Model1BSC Bench Model
THSC 600B Bench Model

Scrubs®

Part#	Description
SCRUBS	Scrubs® Waterless Cleaner Towels

- Packed 6 pails per case.
- Ideal for cleaning dirt and lubricants from hands and tools.





HOOK/HOOK



EYE/JAW



JAW/JAW



EYE/EYE



HOOK/EYE

Turnbuckles - Drop Forged, Hot Galvanized

Part #	Size x Take-Up	WLL (lbs)		Approx. Wt (lbs)/ Ea
		Hook/Hook Hook/Eye	Eye/Eye Jaw/Eye Jaw/Jaw	
9_ _250x04	1/4" x 4"	400	500	.30
9_ _312x04	5/16" x 4-1/2"	700	800	.55
9_ _375x06	3/8" x 6"	1,000	1,200	.90
9_ _500x06	1/2" x 6"	1,500	2,200	1.50
9_ _500x09	1/2" x 9"	1,500	2,200	2.00
9_ _500x12	1/2" x 12"	1,500	2,200	2.20
9_ _625x06	5/8" x 6"	2,250	3,500	2.63
9_ _625x09	5/8" x 9"	2,250	3,500	3.00
9_ _625x12	5/8" x 12"	2,250	3,500	3.25
9_ _750x06	3/4" x 6"	3,000	5,200	3.75
9_ _750x09	3/4" x 9"	3,000	5,200	4.50
9_ _750x12	3/4" x 12"	3,000	5,200	5.75
9_ _750x18	3/4" x 18"	3,000	5,200	7.00
9_ _875x12	7/8" x 12"	4,000	7,200	8.38
9_ _875x18	7/8" x 18"	4,000	7,200	10.25
9_ _100x12	1" x 12"	5,000	10,000	12.00



- Eye ends and Jaw ends have a significantly higher WLL than open Hook ends. Select size based on desired WLL.
- Inspect fittings before use. If worn, distorted or damaged, discard and replace.

Wire Rope Clips

**Malleable
Electro-
Galvanized**



Part#	Size	Min# Clips Required	Shelf Packed		Bulk Packed	
			Pcs/ Pack	Wt (lbs)/ 100 pcs.	Pcs/ Bag	Wt (lbs)/ Bag
WRCG062	1/16"	3	100	2.2	3,000	66
WRCG125	1/8"	3	100	3.6	2,500	90
WRCG187	3/16"	3	100	6.4	1,500	96
WRCG250	1/4"	3	100	12.0	800	96
WRCG312	5/16"	3	100	14.0	600	84
WRCG375	3/8"	3	100	22.0	500	110
WRCG437	7/16"	4	100	24.0	300	72
WRCG500	1/2"	4	100	38.0	200	76
WRCG625	5/8"	4	50	60.0	100	60
WRCG750	3/4"	5	25	80.0	50	40
WRCG875	7/8"	5	25	128.0	50	64
WRCG100	1"	6	25	148.0	50	74

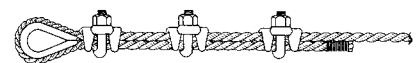
**Drop
Forged
Galvanized**



Part#	Size	Min# Clips Required	Pcs/Pack	Wt (lbs)/Pack
WRCDF125	1/8"	2	10	1.0
WRCDF125-USA	1/8"	2	1	0.1
WRCDF187	3/16"	2	10	1.0
WRCDF187-USA	3/16"	2	1	0.1
WRCDF250	1/4"	2	10	2.0
WRCDF250-USA	1/4"	2	1	0.2
WRCDF312	5/16"	2	10	3.0
WRCDF375	3/8"	2	10	5.0
WRCDF437	7/16"	2	10	7.0
WRCDF500	1/2"	3	10	7.5
WRCDF625	5/8"	3	10	10.0
WRCDF750	3/4"	4	10	15.0
WRCDF875	7/8"	4	10	22.0
WRCDF100	1"	5	10	25.0



- Apply wire rope clips correctly. U-bolt should be on the termination end of rope.
- Retighten clips after initial load.
- Refer to chart for recommended minimum number of clips required for for each size.



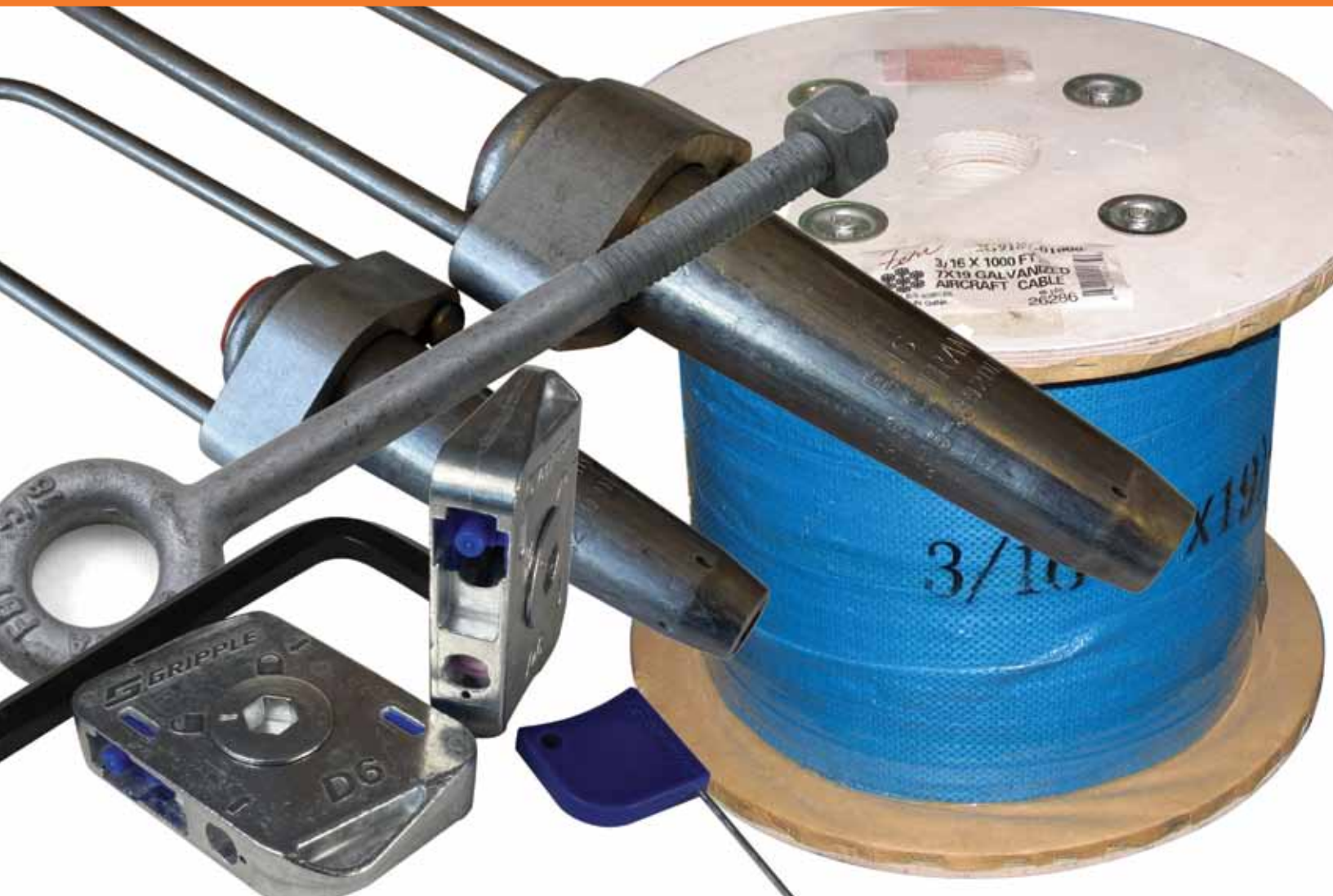
Correct Clip Installation for
maximum Rope Strength

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**EHS Guy Strand
Strand Tensioners
Cable
Cable Assemblies
Cable Fittings
Dead Ends**

**Common Guy Strand
Strand Splices
Arrowhead Anchors
Helical Anchors
Gripples
Kwik Locks**

**Turnbuckles
Drop Forged Clips
Eyebolts
Washers
Tools
Scrubs**



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