

Your Premier Manufacturer
of Trellising Solutions





Trellis Supplies

Trellis Stakes*

Training Stakes

End Posts*

T-Posts

Crossarms*

Anchors

Trellis Hardware

UBolts

Wire Clips

Staples & Blades

* Manufactured by JSC
Agricultural Supply



Training & Tying Supplies

Training Stakes

Bamboo Stakes

Grow Tubes

Paper Tree Protectors

Tie Tape & Binder Tools

Tree Lok Anchors

Duratool

Tree Anchors

Tree Rope

Twine

Prothec Pliers

Prothec Stretch Tie

Wire & Tensioning

Trellis Wire

Deltex Wire



Gripple Fasteners
& Tensioners

Ratchet Strainers &
Wheel Tensioners

Crimp Tool & Sleeves

Wire Cutters

Wire Vises & Links

Drip Wrap Curl

Constant Hose

Hanger Clip

Drip Lock Clip



Vine & Crop Protection

Bird Netting & Lasers

Bird Bangers/Whistlers

Bird Scare Tape

Rain Film Protection

Shade Tarps

& Misc. Supplies

Animal Fencing

Hoop House Supplies



Safety & Sanitation Supplies

Toilet & Shade Trailers

Toilet Paper & Towels

Soap Dispensers

Paper Dispensers

Safety Vests

Safety Helmets

Protective Eyewear

Warning Decals

First Aid Kits

Paper Cups

Igloo Water Coolers

Spray Suits



Harvest Supplies

Bamboo Poles
Picking Pans
Grape Clippers
Packing Scales
Picking bags
Ladders



Farm Labor Contracting Supplies

Pruning Shears
& Loppers
Canopies & Umbrellas
Gloves



Erosion Control

Safety Fencing
Straw Wattles
Silt Fence
Straw Blankets
Wood Posts



Fencing Supplies

Fencing Posts
Barbed Wire
Fence Stays
Grippler Fasteners
& Hardware
Animal Fencing



Livestock Handling
Equipment
Gates & Panels



Chainsaws
Outdoor Power Tools
Service and Repair



LOCATIONS



Corporate Office & Production Plant

3500 Buck Owens Blvd.
Bakersfield, CA 93308
661-616-6977

Delano Store

17216 County Line Road
Delano, CA 93215
661-720-9725

North Coast Yard

We proudly service the North Coast! Please contact your Account Manager to schedule will calls, place orders, and/or schedule deliveries out of our North Coast yard. If you do not have an Account Manager, we can be reached at 707-293-9552.

CALCULATING YOUR VINEYARD	6
PLANTING GUIDE	7
GRAPESTAKES	8-12
• OCLOC POST REPAIR	12
MECHANIZATION SOLUTIONS	13
VINEYARD T-POSTS	14
END POSTS	15
TRAINING STAKES	16
WOOD STAKES	17
CROSSARMS	18-20
WIRE DROPS	21
WIRE	22
WIRE DIMENSIONS	23
WIRE ACCESSORIES	24-26
• GRIPPLE	25
ANCHORS	27-28
FENCING	29-30
VINE PROTECTION	31
CLIPS	32-33
MISCELLANEOUS PRODUCTS	34
TAPE & TYING TOOLS	35-36
BIRD CONTROL	37-38
TRELLIS SYSTEMS	39-44
END POST ASSEMBLIES	45-46
SHADE STRUCTURE SUPPLIES	47
HOOP HOUSE SUPPLIES	48
ADDITIONAL TRELLISING	49
FASTENERS	50
NOTES	51-54



CALCULATING YOUR VINEYARD



Calculating Your Vineyard

Example:

Total Plants needed for your 10 Acre Vineyard on an 8' X 4' spacing.

Plant space	4
Row width	<u>X 8</u>
	32

1 Square acre equals 43,560 square feet.

Square acre feet	43,560
Divided by (Plant Space X Row Width)	<u>/ 32</u>
Total plants per acre	1,361

Plants per acre	1,361
Number of acres	<u>X 10</u>
Total plants	13,610

Total Feet of Wire Needed for a 10 wire trellis on same 10 Acre Vineyard

Plants per acre	1,361
Plant space	<u>X 4</u>
Feet of 1 wire per acre	5,444

Feet of 1 wire per acre	5,444
Number of wires	<u>X 10</u>
Total feet of 8 wires per acre	54,440

Total feet of 8 wires per acre	54,440
Total acres	<u>X 10</u>
Total wire needed in feet	544,400

Note: Actual field counts may vary.

The guide is provided for informational purposes only and should not be used exclusively to determine actual quantities of materials required. Field conditions may alter the actual required amount of materials.

PLANTING AND WIRE GUIDE

<i>Planting Pattern</i>	<i>No. of Wire Feet Per Acre For 1 Wire</i>	<i>No. of Plants per Acre</i>
3 x 6	7260'	2420
4 x 6	7260'	1815
5 x 6	7260'	1452
6 x 6	7260'	1210
3 x 7	6222'	2074
4 x 7	6222'	1555
5 x 7	6222'	1245
6 x 7	6222'	1037
7 x 7	6222'	889
3 x 8	5445'	1815
3.5 x 8	5445'	1558
4 x 8	5445'	1361
5 x 8	5445'	1089
6 x 8	5445'	907
7 x 8	5445'	778
8 x 8	5445'	681
3 x 9	4840'	1613
4 x 9	4840'	1210
5 x 9	4840'	968
6 x 9	4840'	807
7 x 9	4840'	691
8 x 9	4840'	605
3 x 10	4356'	1452
3.5 x 10	4356'	1245
4 x 10	4356'	1089
5 x 10	4356'	871
6 x 10	4356'	726
7 x 10	4356'	622
8 x 10	4356'	544
3 x 11	3960'	1320
3.5 x 11	3960'	1131
4 x 11	3960'	990
5 x 11	3960'	792
6 x 11	3960'	660
7 x 11	3960'	565
8 x 11	3960'	495
3 x 12	3630'	1210
3.5 x 12	3630'	1037
4 x 12	3630'	908
5 x 12	3630'	726
6 x 12	3630'	605
7 x 12	3630'	518
8 x 12	3630'	454

This guide is provided for informational purposes only and should not be used exclusively to determine actual quantities of materials required. Field conditions may alter the actual required amounts of materials.

GRAPESTAKES

(Hot Rolled & Galvanized)

	PRODUCT	Raw Material Width	Wire Slots	Holes	10GA	11GA	12GA	13GA	13GA	14GA	14GA	15GA	16GA	18GA	22GA
					0.13	0.116	0.100	0.088	0.083	0.078	0.071	0.064	0.060	0.050	0.034 Galv only
1	271 Grape Stake	2.710"	NO	3/16"						X	X	X	X	X	X
2	Super Stake	3.187"	NO	5/16"			X	X	X	X	X	X	X		
3	Super Stake Grande	4.500"	YES	NO			X	X	X	X	X				
4	Crimped Edge Vertical Line Post	4.000"	YES	NO			X	X	X	X	X				
5	Arrow Line Stake	5.312"	YES	NO			X	X	X	X					
6	Offset Mini Line Stake	3.187"	YES	5/16"			X	X	X	X					
7	Jim's Supply Line Post	4.700"	NO	5/16" 3/8"	X	X	X	X	X	X	X				
8	1.75# Rail Line Post		NO	3/8"											
9	2# Rail Line Post		NO	3/8"											

Note: Please Call and Check Availability on Stake Gauges and Lengths.

To determine part number: Use first three numbers of decimal thickness, followed by abbreviated description of the stake's type and length

Example: 271 Grape Stake - Part #078HR271GS

078	HR	271GS
First 3 numbers of decimal thickness	Stands for "Hot Rolled"	Stands for "271 Grape Stake"

Common Part Numbers

PRODUCT	HR Part #	Galv Part#
271 Grape Stake	078HR271GS	078G271GS
Super Stake	078HRSS	078GSS
Superstake Grande	078HRSSG	078GSSSG
Crimped Edge Vertical Line Post	078HRCEVLP	078GCEVLP
Arrow Line Stake	078HRALVS	078GALVS

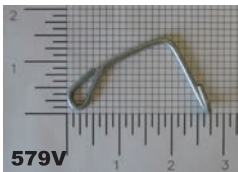
PRODUCT	HR Part #	Galv Part#
Offset Mini Line Stake	078HR0MLS	078G0MLS
Metal Line Post	078JSLP	078JSGLP
1.75# Rail Line Post	175RLP	
2# Rail Line Post	2RLP	

2.71 Grapestake

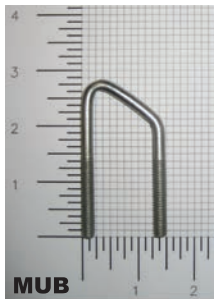
2.71 Soft Tension Clip



579V Tension Clip



Standard Metal U-Bolt



2.71 Grapestake

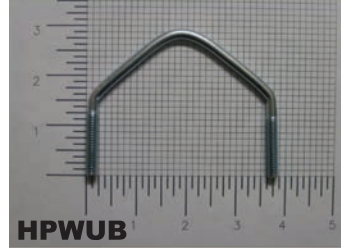


GRAPESTAKES

Arrow Vertical Line Post



Highway Post Wide U-Bolt

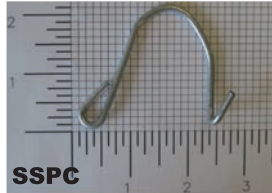


Super Stake

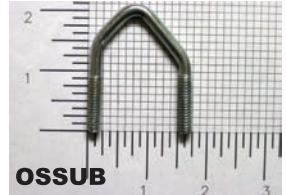
Super Stake



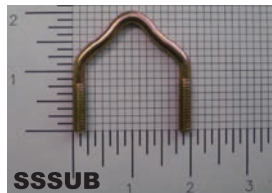
Super Stake Permanent Clip



Off Set Super Stake U-Bolt



Standard Super Stake U-Bolt

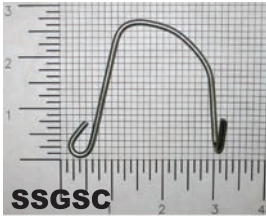


GRAPESTAKES

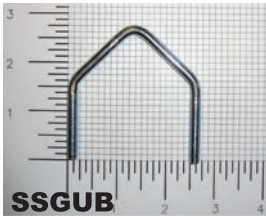
(Hot Rolled & Galvanized)

Super Stake Grande

Super Stake Grande Soft Clip



Super Stake Grande U-Bolt

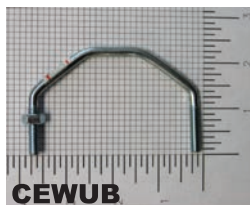


Crimped Edge Vertical Line Post

Vertical Line Post Drip Clip



Crimped Edge Wide U-Bolt



GRAPESTAKES

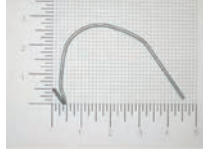
(Hot Rolled & Galvanized)

Rail Line Post

Rail Line Post on Raspberry Trellis



Line Post Tension Clip



Rail Line Post in a Table Grape Vineyard



Available: 1.62#, 1.75#, 2#

Off-set Mini Line Stake

- Ideal for all Orchard Trellising

Tear Slot on Off Set Mini Like Stake



2.4





GRAPESTAKES

Jim's Supply Line Post



Line Post Tension Clip



Jim's Supply Line Post in a Table Grape Vineyard



TRELLIS POST REPAIR

The Ocloc trellis post repair clamp is designed to simplify the repair process of vineyard trellis posts that have been damaged during the harvesting process. It's faster and easier to install compared to installing a new post. It is also stronger and will perform better during harvesting than the original post. View our website to see how simple repairing your posts with the Ocloc clamp is.

The Solution For Broken Wood Or Metal Trellis Posts



OclocX95 – Part #OLM



OclocTM – Part #OLTM



MECHANIZATION SOLUTIONS

New Plantings

Eco Trellis



- Offers a solution to combat the ever increasing demand on labor.
- Ideal for new and soon to be redeveloped vineyards.

Retrofit Options

Eco Sleeve & Releasable Clip



- Offers a retrofit option for existing vineyards using t-posts or other grapestakes.

Klima Compatible Crossarm & Releasable Clip



A Revolutionary New Trellising System

Gain labor savings by installing solutions that are fully compatible with the KLIMA cane pruning technology.

Save on Labor with Solutions Designed for Mechanization



 ECO TRELLIS™

 KLIMA™
HELPING GRAPE GROWERS DO MORE WITH LESS

VINEYARD T-POSTS

	Description	Length							
		5'	6'	7'	7'6"	8'	8'6"	9'	10'
1	95# T-Post	X	X	X	X	X			
2	1.25# T-Post	X	X	X	X	X	X	X	X
3	1.25# T-Post w/Spade	X	X	X	X	X	X	X	X

OTHER LENGTHS AVAILABLE BASED ON QUANTITIES ORDERED

T-Posts



Vertical Shoot Position Trellis using T-Posts



T-Posts with Spade



Vineyard T-Post Accessories

T-Post U-Bolts

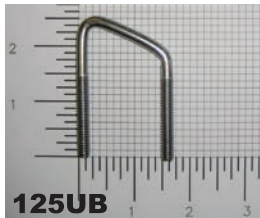
	Description	Part #	Quantities
			Box
1	95 U-bolt	95UB	500
2	125 U-bolt	125UB	500
3	133 U-bolt	133UB	500

Includes Hex Nuts. Lock Nuts Sold Separately.

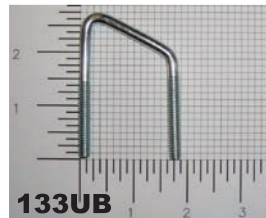
95 U-Bolt



125 U-Bolt



133 U-Bolt



VINEYARD T-POST ACCESSORIES

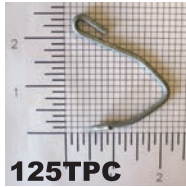
T-Post Clips

	Description	Part #	Quantities	
			Bag	Box
1	85/95 Clip	85 TPC	100/300	1000/3000
2	125 Clip	125 TPC	100/300	1000/3000
3	133 Clip	133 TPC	100/250	1000/2500
4	95 Reversed T-Post Clip	95 RTP	N/A	1500
5	125 Reversed T-Post Clip	125 RTP	N/A	1000

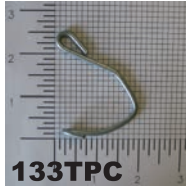
85/95 Clip



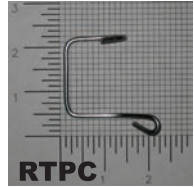
125 Clip



133 Clip



Reversed Clip



END POSTS

Steel End Posts

	Description	Length		
		8'	9'	10'
1	3 1/2" Used Pipe w/ Single Spade	X	X	X
2	3 1/2" Used Pipe w/ Double Spade	X	X	X
3	2 7/8" Used Pipe w/ Single Spade	X	X	X
4	2 7/8" Used Pipe w/ Double Spade	X	X	X
5	3 # Rail Line Post	X	X	
6	4 # Rail Line Post	X	X	X

OTHER LENGTHS AVAILABLE UPON QUANTITIES ORDERED

Wood End Posts

	Description	Length			
		7'	8'	9'	10'
1	4"-5" Treated Lodgepole Post	X	X	X	
2	5"-6" Treated Lodgepole Post	X	X	X	X
3	6"-7" Treated Lodgepole Post	X	X	X	X
4	4"-5" Split Cedar End Posts		X		

OTHER LENGTHS AVAILABLE UPON QUANTITIES ORDERED

2-7/8" or 3-1/2" Used Pipe available



Wood End Post

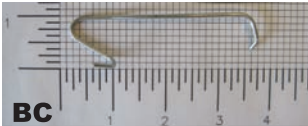




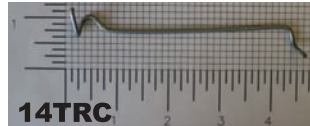
TRAINING STAKES

	DESCRIPTION	LENGTH			CLIPS
		4'	5'	6'	
1	5/8" BAMBOO	X	X	X	5/8" BAMBOO CLIP
2	3/4" BAMBOO	X	X	X	
3	1/2" BAMBOO	X	X	X	BAMBOO CLIP
4	7/32" STAKE	X	X		1/4" TRAINING ROD CLIP
5	3/8" STAKE	X	X	X	3/8" TRAINING ROD CLIP OR 3/8" MINI WRAP CLIP
6	GALVANIZED "V" STAKE	X	X	X	"V" WRAP CLIP
OTHER LENGTHS AVAILABLE BASED ON QUANTITIES ORDERED					

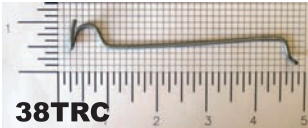
Bamboo Clip



1/4 Training Rod Clip



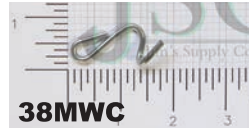
3/8 Training Rod Clip



"V" Wrap Clip



Soft Mini Wrap Clip



5/8 Bamboo



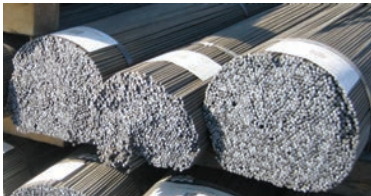
3/8 Stake



Galvanized "V" Stake



7/32 Stake



Both shown with 3/8" Mini Wrap Clip

WOOD STAKES

Round Wood Stakes

	Description	Diameter	Length			
			8'	9'	10'	12'
1	Tree Stakes	2"	X		X	
2	Lodge Poles	3" - 4"	X	X	X	X
OTHER SIZES AND LENGTHS AVAILABLE BASED ON QUANTITIES ORDERED						

Wood Stakes

	Description	Dimensions	Length		
			6'	7'	8'
1	E. V. Regular Grape Stakes	1 5/8" X 1 5/8" +/-	X	X	X
2	E. V. Large Grape Stakes	1 5/8" X 1 3/4" +/-	X	X	X
3	E. V. X-Large Grape Stakes	1 7/8" X 1 7/8" +/-	X	X	X
4	Split Cedar Stakes	2" X 2"	X		

Large Grapestake in a Head Trained Wine Grape Vineyard



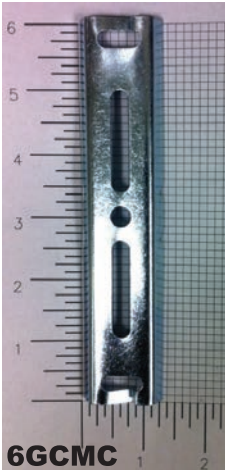
3"-4" x 8' Post used in a Table Grape Vineyard



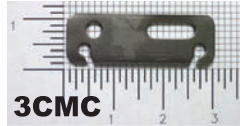
CROSSARMS

Crossarms

6" CMC Crossarm
(Galvanized)



3" CMC Crossarm



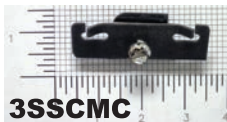
6" Hot-Rolled
CMC Crossarm



- Hot-Rolled or Galvanized
- Fits Most U-Bolts
- 3" or 6"

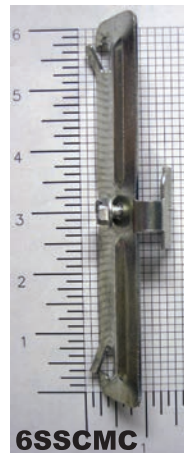
Super Stake Crossarms

3" Super Stake Crossarm



- Interlocks with the Super Stake and the Vertrell Stake
- No U-Bolts Needed
- Galvanized Available
In Stock for both sizes

6" Super Stake Crossarm



CROSSARMS

Premier Crossarms



- Hot Rolled or Galvanized
- Fits All U-Bolts
- 8" or longer in 1" increments
- Other sizes are available in the M2 Crossarm shown below

M2 Crossarm



- Fits All U-Bolts
- Other Gauges Available: 12, 13, 15, 16
- Standard Widths: 12", 18", 24", 30", 36"
- Custom Widths Available

CROSSARMS

“V” Crossarms

- Special Order Only
- Fits Metal, Wood, 95, 133 U-Bolts
- Stock sizes: 24”, 36”, 48”
- Universal Mounting
- Two U-Bolts & two backing plates required per unit
- U-Bolts are specific to the type of stake

“V” Crossarms



Lyre System Crossarms

- Special Order Only
- Made from Crimped Edge Line Stake
- Lyre System using Standard Adjustable Crossarms



WIRE DROPS



Wire Drops:

4" - Part #4WD

6" - Part #6WD

8" - Part #8WD

10" - Part #10WD

12" - Part #12WD

14" - Part #14WD

Other sizes available by special order.

Lefts available by special order.

WIRE

Coils

	Description	Gauge								Note
		8	9	10	12	12.5	13	14	16	
1	25# Coils - Special Order					X				UPS Friendly
2	50# Coils - Special Order					X				UPS Friendly
3	100# Coils - Soft	X	X	X	X	X	X	X	X	
4	100# Coils - High Tensile Class I	X	X	X	X	X	X	X		
5	100# Coils - High Tensile Class III				X	X	X	X		
ALL OTHER GAUGES MAY BE ORDERED										

Continuous

	Description	Gauge							
		8	9	10	12	12.5	13	14	16
1	Soft				X		X	X	
2	High Tensile Class I	X		X	X	X	X	X	
3	High Tensile Class III				X	X	X	X	
ALL OTHER GAUGES MAY BE ORDERED									

Miscellaneous Wire

	Description	Gauge	Part #	Weight
1	34" Straight Cut Galvanized Wire	14	34SCW	50#
2	42" Straight Cut Galvanized Wire	14	42SCW	50#



Pay-Out Spinner

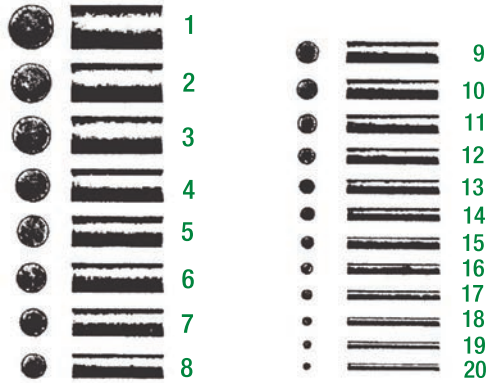
Adjustable brake keeps wire from over-winding. Handles 110# Coils of Hi-Tensile wire. Heavy duty steel construction for long life.



Alabama Wire Dispenser
for continuous wire



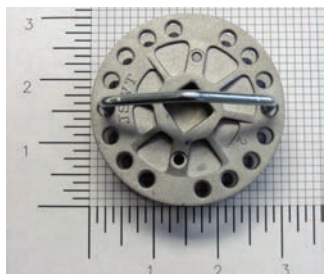
WIRE DIMENSIONS



Steel Wire Gauge	Decimal Inch	Lbs. Per Foot	Lbs. Per Mile	Feet Per Lb.	Feet Per 100# Roll
0	.30650	.25060	1323.00	3.991	399
1	.28300	.21360	1128.00	4.681	468
9/32	.28125	.21100	1114.00	4.740	474
2	.26250	.18380	970.40	5.441	544
1/4	.25000	.16700	880.20	5.999	599
3	.24370	.15840	836.40	6.313	631
4	.33520	.13540	714.80	7.386	738
7/32	.21875	.12760	673.90	7.835	783
5	.20700	.11430	603.40	8.750	875
6	.19200	.09832	519.20	10.170	1,017
3/16	.18750	.09377	495.10	10.660	1,066
7	.17700	.08356	441.20	11.970	1,197
8	.16200	.07000	369.60	14.290	1,424
5/32	.15625	.06512	343.80	15.360	1,536
9	.14830	.05866	309.70	17.050	1,705
10	.13500	.04861	256.70	20.570	2,057
1/8	.12500	.04168	220.00	24.000	2,400
11	.12050	.03873	204.50	25.820	2,582
12	.10550	.02969	156.70	33.690	3,369
12 1/2	.09375	.02500	132.00	40.000	4,000
13	.09150	.02233	117.90	44.780	4,478
14	.08000	.01707	90.13	58.580	5,858
15	.07200	.01383	73.01	73.320	7,332
16	.06250	.01042	55.01	95.980	9,598
17	.05400	.00778	41.07	128.600	12,860
18	.04750	.00602	31.77	166.200	16,620
19	.04100	.00440	23.67	223.000	22,300
20	.03480	.00320	17.05	309.600	30,960

WIRE ACCESSORIES

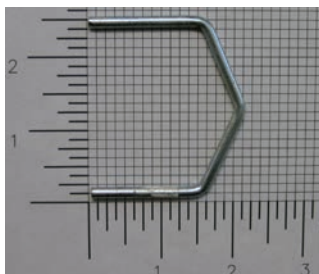
Jim's Supply Wheel Tensioner



Part # JSWT

Packaged 250/box. Also sold individually.

Replacement Holding Clip



Part # JSWTC

Jim's Supply Ratchet Strainer



Part # JRS

Packaged 100/box. Also sold individually.

Fencing Ratchet Strainer



Part # FRS

Gallagher Rapid Wire Tightener Tool



Part # G-645

WIRE ACCESSORIES

Gripple Products



		Wire Range	Part #	Quantity	
				Bag	Box
1	Small Wire Gripple	13-17 Gauge	SG	N/A	800
2	Medium Wire Gripple	10-14 Gauge	MG	20	500
3	Large Wire Gripple	7-1/2 -10 Gauge	LG	N/A	250
4	Jumbo Wire Gripple	10-12-1/2 Gauge	XJG	20	200
5	Barbed Wire Gripple	Barbed Wire	BWG	10	N/A
6	Metal Post Gripple	12-14 Gauge	MPG	20	200
		7.5-11 Gauge	MPG2	20	N/A
7	Gripple Tool		GT	N/A	N/A
8	Contractor Gripple Tool		CGT	N/A	N/A
9	Gripple Tool Promo Pack	250 Medium Gripple + FREE TOOL	MGSP50	N/A	250 + Tool
10	Medium Gripple Start Pack	50 Medium Gripples + Discounted Tool			50 + Tool
11	Gripple Wire Twisters		WT	100	1000

Gripples are also available individually

Medium Gripple



Metal Post Gripple



Gripple Torq Tensioning Tool

Part #GT



WIRE ACCESSORIES

Crimp Sleeves

	Description	Part #	Gauge	Quantity
1	FW1-2 Crimp Sleeve	FW12	14	100
2	FW2-3 Crimp Sleeve	FW23	13-12	100
3	FW2-3 X-Long	FW23XL	13-12	100
4	FW3-4 Crimp Sleeve	FW34	11-10	100
5	FW4-5 Crimp Sleeve	FW45	Barb Wire	100
6	FS2-3 Split Splicing	FS23	13-12	100
7	Crimping Tool Domestic, 4 slot	642345	14-8	N/A
8	Crimping Tool Domestic, 2 slot	32234	13-10	N/A
9	Crimping Tool Import, 4 slot	CSTI	14-8	N/A



Vine Line Connectors

	Description	Gauge	Part #	Quantity
1	10 GA Vine Line Connector	10	10VLC	250/box
2	11 GA Vine Line Connector	11	11VLC	250/box
3	12 GA Vine Line Connector	12	12VLC	500/box
4	13 GA Vine Line Connector	13	13VLC	500/box
5	14 GA Vine Line Connector	14	14VLC	500/box

Vine line Connectors



Wirewise Products

WireVise (All models are packaged 500/box)

	Model #	Wire Range	
1	5056NRV	13-14 Gauge	.062-.100
2	5058V	12-13 Gauge	.102-.114
3	5062V	10-11 Gauge	.120-.135
4	5064V	8-9 Gauge	.148-.163

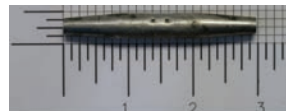
WireVise



WireLink (All models are packaged 400/box)

	Model #	Wire Range	
1	5057V	13-14 Gauge	.062-.100
2	5059V	12-13 Gauge	.102-.114
3	5063V	10-11 Gauge	.120-.135

Wirelink



ANCHORS

	Description	Size	Rod Diameter	Part #
1	430 Earth Anchor	4" X 30"	5/8"	430SA
2	636 Earth Anchor	6" X 36"	3/4"	636EA
3	648 Earth Anchor	6" X 48"	3/4"	648EA
4	848 Earth Anchor	8" X 48"	3/4"	848EA
5	854 Earth Anchor	8" X 54"	3/4"	854EA
6	860 Earth Anchor	8" X 60"	3/4"	860EA
7	866 Earth Anchor	8" X 66"	1"	866EA
8	Hoop House Anchor	7'		HHA
9	Hoop House Anchor 106	10'6"		HHA106
OTHER SIZES CAN BE SPECIAL ORDERED				

Anchors are for agricultural use only

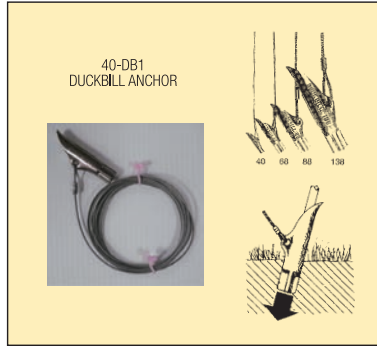
Earth Anchors



ANCHORS

DUCKBILL Anchors

Model Number	Holding Power in Normal Soil	Safety Factor Minimum Cable Breaking Strength	Galvanized Steel Cable	Cable Length	Anchor Weight	Standard Pack and Weight	Drive Rod Part #
40-DB1	300 lbs.	480 lbs.	1/16", 7 X 7	20"	1 oz.	50/box 3.7 lbs.	DR40
68-DB1	1,100 lbs.	1,700 lbs.	1/8", 7 X 7	2 1/2 ft.	4.5 oz.	24/box 7 lbs.	DR68 / DR68HD
88-DB1	3,000 lbs.	7,000 lbs.	1/4", 7 X 19	3 1/2 ft.	14 oz.	12/box 11 lbs.	DR88
138DB1	5,000 lbs.	9,800 lbs.	5/16", 7 X 19	5 ft.	2.5 oz.	12/box 32 lbs.	GDR4



Griptide Anchors

The Griptide Anchor creates a secure, fixed anchoring point below the ground. No pre-digging or ground preparation is required, dramatically reducing installation time.

- Designed for drive efficiency and maximum load capacity
- Streamlined profile for minimal soil disturbance
- Suitable for a variety of soil types
- Speed of installation delivers significant time and labour savings
- Zinc aluminium wire rope for maximum corrosion resistance



Product	Wire Rope Diameter	Wire Rope Length
Anchor 3	3.00 mm	1.0 m / 1.5 m
Anchor 4	4.00 mm	1.0 m / 1.5 m

GRIPPLE

Load is dependant on the soil quality.

FENCING

T-Posts

	Description	Length									Clips
		5'	5'6"	6'	6'6"	7'	7'6"	8'	9'	10'	
1	1.33# T-Post (Green & White)	X	X	X	X	X	X	X	X	X	5 per stake included
2	1.33# Import T-Post (Green & Beige)	X	X	X	X	X	X	X	X	X	sold separately

Horse Fencing

	Description	Gauge	Roll Length	Part #
1	48' Horse Fence	12.5	100'	1348HF
2	60' Horse Fence	12.5	100'	1660HF
3	72' Horse Fence	12.5	100'	1972HF

Game Fencing

	Description	Gauge	Roll Length	Part #
1	72" Deer & Rabbit Fence	14	165'	72DRF
2	78" Game Fence	12.5	330'	1478GF
3	96" Game Fence	12.5	330'	1896-6GF

Field Fencing

	Description	Gauge	Roll Length	Part #
1	39" Field Fence	12.5	330'	939FF
2	47" Field Fence	12.5	330'	1047FF
3	56" Field Fence	12.5	330'	1156FF

Barbed Wire

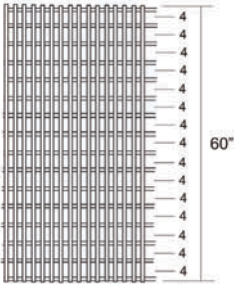
	Description	Gauge	Roll Length	Part #
1	2 P.T. Import Barb Wire	12.5	1320'	2IBW
2	4 P.T. Import Barb Wire	12.5	1320'	4IBW
3	2 P.T. Domestic Barb Wire	12.5	1320'	2DBW
4	4 P.T. Domestic Barb Wire	12.5	1320'	4DBW
5	Domestic Barbless Wire	12.5	1320'	BW

H Brace supplies are also available including Rail End Caps and Brace Bands.

FENCING

Fencing Panels

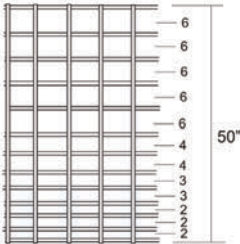
Horse Panel



16 Horizontal line wires, vertical stay wires spaced 2" apart, packaged 25 panels per bundle

Height	Length	Weight per Panel	Item Number
60"	16'	74#	6016WHP
60"	20'	93#	6020WHP

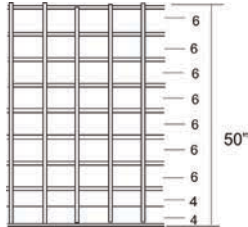
Combination Panel



13 Horizontal line wires, vertical stay wires spaced 8" apart, packaged 50 panels per bundle

Height	Length	Weight per Panel	Item Number
50"	16'	43#	5016WCCP

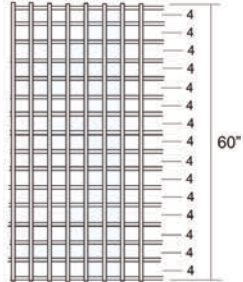
Cattle Panel



10 Horizontal line wires, vertical stay wires spaced 8" apart, packaged 50 panels per bundle

Height	Length	Weight per Panel	Item Number
50"	16'	37#	5016WSCP

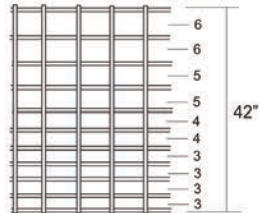
Hi-Five Panel



10 Horizontal line wires, vertical stay wires spaced 8" apart, packaged 50 panels per bundle

Height	Length	Weight per Panel	Item Number
60"	16'	58#	6016WHFP

Combo Hog/Sheep Panel



10 Horizontal line wires, vertical stay wires spaced 8" apart, packaged 50 panels per bundle

Height	Length	Weight per Panel	Item Number
42"	16'	33#	4216WHSP

VINE PROTECTION

Tubes and Vine Protection

	Description	Part #	Quantity
1	1/2 Gallon Milk Cartons	HGMC	(250-320)
2	Paper Vine Protectors 18" (5" x 5")	18PVP	100/sleeve
3	Paper Tree Protectors 20" (3 1/2" x 3 1/2")	20PTP	100/sleeve
4	Paper Tree Protectors 24" (3 1/2" x 3 1/2")	24PTP	100/sleeve
5	3 1/2" x 30" Tan Grow Tubes 30"	31230TGT	200/box
6	3 1/2" x 24" Tan Grow Tubes 24"	31224TGT	200/box
7	3 1/2" x 30" Tan Double Wall Lok Tubes	30TLT	100/bag
8	3 1/2" x 24" Tan Double Wall Lok Tubes	24TLT	100/bag
9	Pomegranate Tree Wraps	N/A	N/A
10	Custom Sizes Available - Call for Details	N/A	N/A

Pomegranate
Vine Protector



Paper Tree
Protector



3 1/2" x 30" Tan
Grow Tubes



3 1/2" x 30" Tan
Double Wall Lok Tube



CLIPS

TENSION CLIPS			QUANTITIES	
	DESCRIPTION	PART #	BAG	BOX
1	579V CLIP	579V	300	3000
2	2.71 SOFT CLIP	271STC	500	4000
3	LINE POST CLIP	LPC	250	1500
4	SUPER STAKE PERMANENT CLIP	SSPC	100	1000
5	SUPER STAKE GRANDE SOFT CLIP	SSGSC	150	1500
6	2 7/8 PIPE CLIP	278PC	100	1000
7	CROSSARM CLIP	CTC	100	1000
8	WOOD #1 CLIP	W1	250	2000
9	VERTICAL LINE POST DRIP CLIP	VLPC	100	1000
10	85#-95# T-POST CLIP	85TPC	100/300	1000/3000
11	1.25# T-POST CLIP	125TPC	100/300	1000/3000
12	1.33# T-POST CLIP	133TPC	100/300	1000/3000
13	REVERSED T-POST CLIP	RTPC	300	3000
14	JR CLIP 4"	JRC	100	1000

TRAINING ROD CLIPS			QUANTITIES	
	DESCRIPTION	PART #	BAG	BOX
1	1/4 TRAINING ROD CLIP	14TRC	250	3000
2	3/8 TRAINING ROD CLIP	38TRC	250	3000
3	3/8 SOFT MINI WRAP CLIP	38MWC	300	3000
4	"V" WRAP CLIP	VWC	400	4000
5	BAMBOO CLIP	BC	300	3000

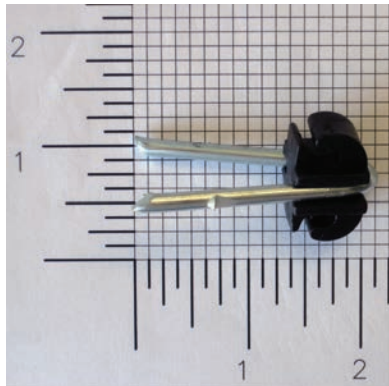
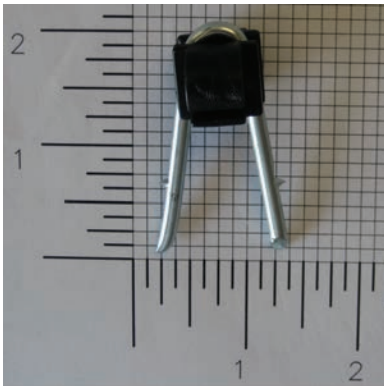
DRIP HOSE CLIPS			QUANTITIES	
	DESCRIPTION	PART #	BAG	BOX
1	DRIP WRAP CURL	DWC	N/A	40,000
2	1/2 ITW DRIP LOCK CLIP	12DL	500	6,000
3	7/8 ITW DRIP LOCK CLIP	78DL	250	4,000
4	CONSTANT HOSE HANGAR CLIP 3/4" - 12GA	CHHC1220	500	5,000
5	CONSTANT HOSE HANGAR CLIP 1/2" - 12.14GA	CHHC1318	500	5,000
6	METAL S DRIP CLIP	SC	N/A	N/A
7	DRIP HOSE SPIKE	DHS	500	5,000



JR Clip on 1.25 t-post

CLIPS

MISCELLANEOUS CLIPS		QUANTITIES		
	DESCRIPTION	PART #	BAG	BOX
1	RAKE WIRE CLIP	RWC	500	5000
2	4" RAKE WIRE CLIP	4RWC	N/A	5000
3	6" RAKE WIRE CLIP	6RWC	N/A	200
4	8" RAKE WIRE CLIP	8RWC	N/A	1000
5	10" RAKE WIRE CLIP	10RWC	N/A	1000
6	12" RAKE WIRE CLIP	12RWC	N/A	1000
7	4" JR CLIP (FOR 1.25# T-POST)	JRC	N/A	500
8	6" JR CLIP	6JRC	N/A	500
9	8" JR CLIP	8JRC	N/A	500
10	HAIR PIN CLIP	HPC	N/A	2000
11	6" HAIR PIN CLIP	6HPC	N/A	500
12	POSTAL WIRE CLIP	PWC	N/A	2000



Postal Wire Clip

MISCELLANEOUS PRODUCTS

Paper Twist Ties

	Description	Box Quantity	Part #
1	1/4" X 5" Paper Twist Ties	25,000	5TT
2	1/4" X 6" Paper Twist Ties	25,000	6TT
3	1/4" X 7" Paper Twist Ties	25,000	7TT

Trellis Braces

	Description	Box Quantity	Part #
1	12" H.D. Trellis Brace	750	12HDT B750
2	10" Trellis Brace (20GA)	1000	10TBRACE
NAIL ON BRACES FOR WOOD APPLICATION ONLY			



We proudly support My Job Depends on Ag.

Decals are available at our locations.
All sales benefit Ag scholarships.



TAPE & TYING TOOLS

Duratool Tape Tool - All parts, blades, staples and 1/2" tapes are interchangeable with Max Tapers and Ty'mup Tools.

STAPLES AND BLADES

	Quantity per Box	Quantity per Case	Part # (Box)	Part # (Case)
Blades	3	N/A	MTB	N/A
Staples	4,800	1	DSB	DSC
Staples	48,000	10 boxes/case	DSC	N/A

TIE TAPE TOOLS

Original Tie Tape Tool, Part #HTB-2

Part #TB-SACE0



TIE TAPE

Description	Width	Length	Color	Quantity per Box	Quantity per Pallet	Part # (Roll)
1/2" Medium	15/32"	200'	Green	96	60	12MGTR
1/2" Heavy	15/32"	150'	Green	96	60	12HGTR
1/2" XHeavy	15/32"	100'	Green	96	60	12XHGTR
1" Heavy	31/32"	150'	Green	48	60	1HGTR

BIRD SCARE TAPE

Description	Width	Length	Color	Quantity per Box		Part # (Roll)
Reflective tape	1"	500'	Reflective	50/box	Also sold by the roll	BST

FLAGGING TAPE

Description	Width	Length	Color	Quantity per Box		Part # (Roll)
Flagging Tape	1"	300'	Blue	50/box	Also sold by the roll	BFT
	1"	300'	Blue/White Stripe	50/box	Also sold by the roll	BLWHSFT
	1"	300'	Black/Pink Stripe	50/box	Also sold by the roll	BPSFT
	1"	150'	Fluorescent Blue	50/box	Also sold by the roll	FBFT
	1"	150'	Fluorescent Lime	50/box	Also sold by the roll	FLFT
	1"	150'	Fluorescent Orange	50/box	Also sold by the roll	FOFT
	1"	150'	Fluorescent Pink	50/box	Also sold by the roll	FPFT
	1"	150'	Fluorescent Yellow	50/box	Also sold by the roll	FYFT

TYING MATERIALS

Description	Qty		Part #
	Roll	Case	
Exxon Twine	5,500 ft	4 rolls per box	550ET
Sisal Twine	2,475 ft	10 rolls per bale	ST
Black/Orange Poly Tree Rope	950 ft	8 rolls per box	BOPTR



TAPE & TYING TOOLS

Prothec Pliers

Part # (PTT)



The pliers tie and cut automatically.

Prothec Ties – The unique design of the Prothec Tie combines large width and expandable embossed finish, which prevents girdling and other vine damage.

	BEIGE TIE	GREEN TIE	BROWN TIE	BLACK TIE
TYPE	2 Wires	3 Wires	2 Strong Wires	3 Galv. Wires
DURATION	6-8 Months	8-10 Months	18-24 Months	36+ Months
WIDTH	8 mm.	8 mm.	8 mm.	8 mm.
LENGTH	350m/1100 ft.	350m/1100 ft.	350m/1100 ft.	350m/1100 ft.
EMBOSSED FINISH	Expandable stretchable to prevent girdling	Expandable stretchable to prevent girdling	Expandable stretchable to prevent girdling	Expandable stretchable to prevent girdling
RECOMMENDED USES	"A light supple" tie for young vines up 3 years.	A tie for vines of 3 seasons or older.	Strong tie for vineyards with mature vines.	Permanent tie for mature vine.
PART # (ROLL)	#PWTRBE	#PWTRGR	#PWTRBR	#PWTRBL

Prothec Stretch Tie

Part #'s – Roll (#PSTR) / CASE (#PSTC)

The Prothec Cep stretchable tie is made of Polyethylene treated with a UV stabilizer designed especially for holding the vine stock on the training system or the training system used for fruit trees.



Thanks to its width and exceptional elasticity, it prevents damage caused by strangling the plant and features a notched surface and solid casing to ensure strong and durable knotting.

It is also suitable for training young plants, lasting for 2-3 years.

Note: All Prothec Ties are packaged 24 rolls per case and 48 cases per pallet.

BIRD CONTROL

Effective, affordable, neighbor friendly. The Autonomic is a fully automated bird repelling system that provides continuous bird repelling capability after a one-time configuration.



Autonomic Bird Laser In A Vineyard



**Also Available:
The Handheld Bird Laser**

BIRD NETTING

Extruded Bird Net

	Description	Size	Mesh Size	UVI Rating	Package	Part #
1	Tenax	14' X 500'	3/4" X 7/8"	4-6 Years	4' Tri-folded	JSBN14500
2	Tenax	14' X 1000'	3/4" X 7/8"	4-6 Years	4' Tri-folded	JSBN141
3	Tenax	14' X 5000'	3/4" X 7/8"	4-6 Years	14' Roll	TBN5
4	Tenax	42" X 5000'	3/4" X 7/8"	4-6 Years	42" Roll	42TBN5

LARGER WIDTHS AND LENGTHS AVAILABLE BASED ON QUANTITIES ORDERED

Woven Net

	Description	Size	Mesh Size	UVI Rating	Package	Part #
1	Medium	17' X 2500'	3/4"	3-4 Years	In a Bag	MBN25

OTHER WIDTHS AND LENGTHS AVAILABLE

Bird Net Accessories

	Description	Part #
1	Bird Net Clips (1,000/ream)	BNC
2	C-Clips (1,000/bag)	CC
3	Net Master Reels	BNR
4	Bird Netting Applicator (Bag)	BNA
5	Bird Netting Reel Flanges	BNRF
6	Bird Netting Reel Core	BNRC

* See page 35 for Bird Scare Tape

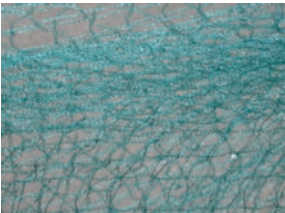
The Bird Net Applicator is used for bagged netting



42" x 5000' Bird Net used in a Vineyard



Woven Bird Netting



Extruded Bird Netting

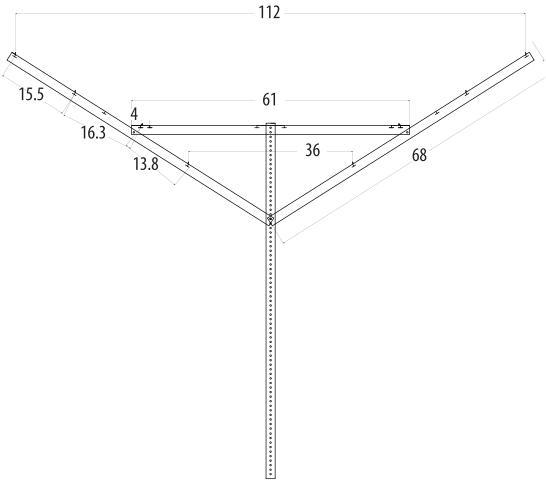


Bird Netting C-clips

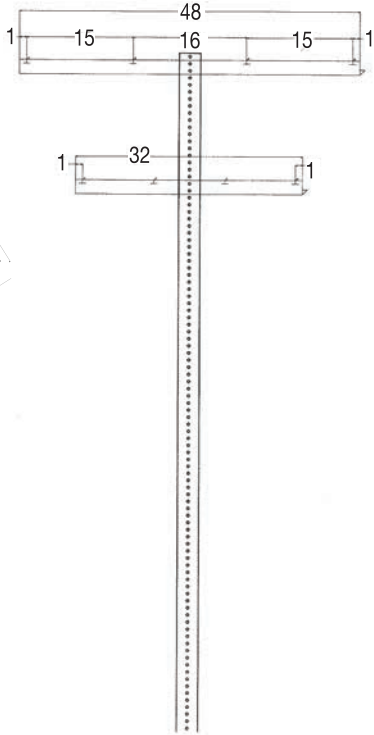


TRELLIS SYSTEMS

Table Grape Trellis



Gable System

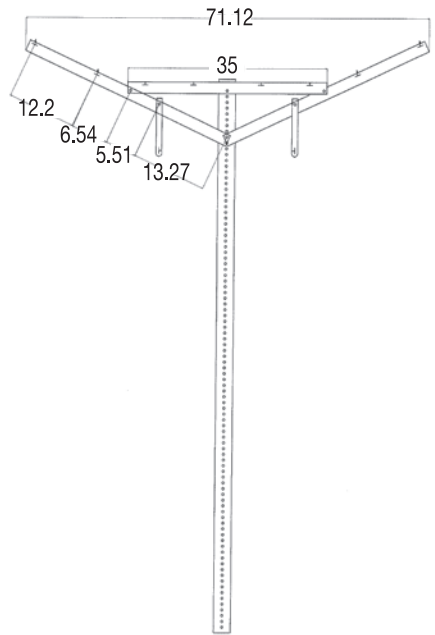
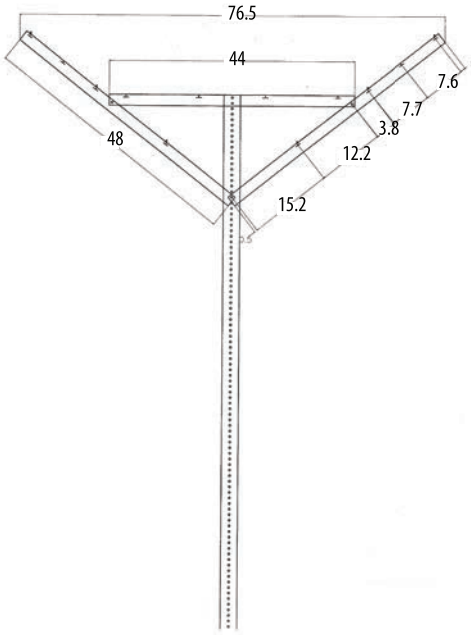


Double Crossarm



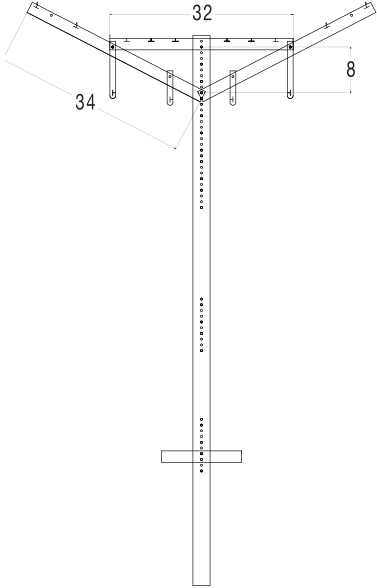
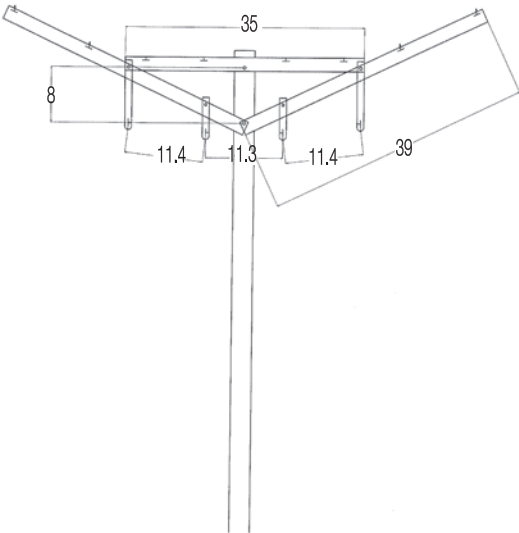
Table Grape Trellis

Modified Gables



TRELLIS SYSTEMS

Modified Gable



TRELLIS SYSTEMS

Dried on the Vine Raisin Grape Trellis

Gable System



Overhead System



TRELLIS SYSTEMS

Wine Grape Trellis

Vertical Shoot Position



Lyre System



TRELLIS SYSTEMS

Wine Grape Trellis

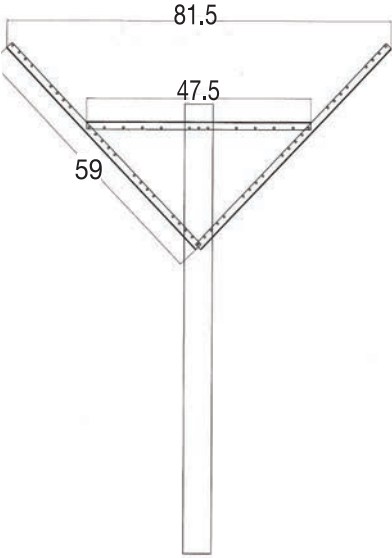
California Sprawl



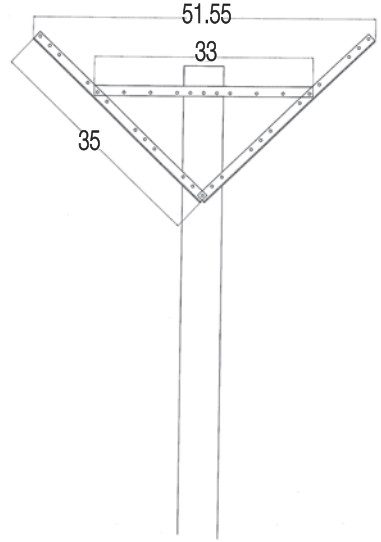
Double Wire System



END POSTS



Large End V Assembly on Wood Post

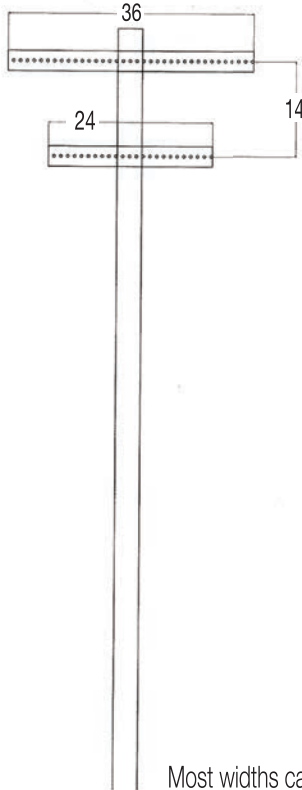


Pipe End Post with the Small End V Assembly



END POSTS

End Post Accessories



Most widths can be ordered. Some Exceptions.

SHADE STRUCTURE SUPPLIES





HOOP HOUSE SUPPLIES



ADDITIONAL TRELLISING

We can also supply trellis materials for:

- Pomegranates
- Cherries
- Olives
- Berries
- Apples
- Peppers
- Tomatoes
- Kiwis
- Cannabis
- Hops
- And More!

Olive Trellising



Apple Trellising



Raspberry Trellising



Hop Trellising



FASTENERS

**SINKERS, CEMENT COATED
GREEN VINYL COATED**

APPROX
PIECES PER
LB.

(Flat Countersunk Head, Diamond Point)

16d	3 1/4"	X	9G	X	11/32"	64
-----	--------	---	----	---	--------	----

**ROOFING, HOT DIPPED
GALVANIZED BARBED**

APPROX
PIECES PER
LB.

(Flat Head, Diamond Point)

1 1/4"	X	11G	X	7/16"	210
1 1/2"	X	11G	X	7/16"	180

BOX, ELECTRO GALVANIZED

APPROX
PIECES PER
LB.

(Flat Head, Diamond Point)

6d	2"	X	12 1/2G	X	17/64"	206
10d	3"	X	10 1/2G	X	5/16"	82

BOX, HOT DIPPED GALVANIZED

APPROX
PIECES PER
LB.

(Flat Head, Diamond Point)

6d	2"	X	12 1/2G	X	17/64"	182
8d	2 1/2"	X	11 1/2G	X	19/64"	102
10d	3"	X	10 1/2G	X	5/16"	71

**BARBED STAPLES, 8 GA.,
GALVANIZED**

APPROX
PIECES PER
LB.

2"	X	8G	42
1 3/4"	X	8G	51
1 1/2"	X	8G	54
1 1/4"	X	8G	75

**STAPLES,
ELECTRO GALVANIZED**

APPROX
PIECES PER
LB.

1 1/4"	X	9G	87
1 1/4"	X	12G	175
1 1/2"	X	9G	72
1 1/2"	X	12G	141
1 3/4"	X	9G	61
2"	X	9G	58

**J STAPLES,
ELECTRO GALVANIZED**

APPROX
PIECES PER
LB.

1 1/2"	X	9G	105
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NOTES





NOTES



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