

KENCOVE

FARM FENCE SUPPLIES

High-Tensile, Posts/Gates, Woven Wire, Horse Rail, Electric, Portable Supplies

*More Than
25 Years Helping
Farmers and Contractors*

FALL 2005

FREE SHIPPING!
on qualified orders
details page 47

1-800-536-2683 **www.kencove.com**



The six-wire fence is one of the more popular high-tensile fences. It should be electrified to make it secure, but it will generally keep stock from escaping even if the electric is off for an extended period of time. The 60 inch high anti-deer fences, 48 to 54 inch high cattle or horse fences, and 42 inch high sheep fences are all examples of good six-wire electrical fence variations.

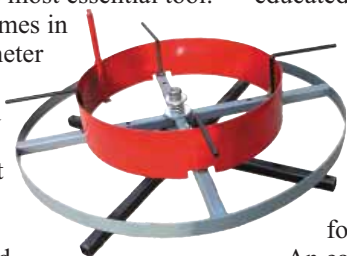
Compared to non-electric fences, you'll enjoy major savings by using wide post spacings (20 to 50 feet) and lighter end bracing. The six high-tensile wires are not easy to get through, are almost impossible for animals to break, and often last for over forty years. This fence looks great and it works! Relax and enjoy the farm more with an affordable fence from Kencove.

Can you afford this fence? High-tensile fencing is very low in cost when compared to other options, especially when considering its long life-expectancy. You could put up the fence today and likely never need to replace it in your lifetime. While thirteen cents per foot can cover the basic cost of wire and associated hardware for the 15 acre package listed, the most expensive parts of the fence are posts and labor. If you find a contractor who supplies the material and labor to build a six wire fence, the cost is likely to be over a dollar a foot. If you do not have the time, a contractor may be your best option. If you need a good contractor, check with us. We may know of a contractor in your area who is a Kencove customer. If not, Kencove can help advise a crew interested in learning how to build high-tensile fences. We have helped start many independent fence builders.

If you do have the time, we believe

you can really enjoy building this type of fence. Do you remember the thrill of challenge and the pride of accomplishment in your hobbies or past times? In our family my son, Don, has put together radio controlled airplanes; my daughter, Alice, has done fine needlepoint; and Phyllis, my wife, enjoys the challenge of writing computer programs as well as several crafts. Dairy farming was my big challenge until I got excited about high-tensile fencing. Just think of the pride you'll have in showing your neighbors the great looking, long lasting, highly effective high-tensile fence that you built.

Let's go through on paper some of the steps required to build this fence. Decide what you are going to do about the main tools you need. You could try digging the post holes by hand, dispensing the wire without a jenny, and hand knotting the wire. Most people will not enjoy that big of a challenge if there is a lot of fence to install. I believe the spinning jenny is the most essential tool. High-tensile wire comes in about a 21 inch diameter coil with no spool. It is easily dispensed with a spinning jenny. You may want to build a plywood spool around the coil. Most people end up buying a Kencove Spinning jenny. Using nothing to dispense the wire is an easy way to end up with a tangled mess or injury.



The biggest labor-saving tool is a tractor mounted post driver. Posts are set very quickly and are tight. A tractor mounted driver can cost \$1,676 to \$16,000. If you have a lot of fence to build, it will pay for itself in labor savings alone. If you are lucky, you may find a neighbor willing to rent a post driver to you. Some contractors are willing to just drive the posts.

A post hole digger will work, but it will take more effort and time. The end and corner posts need to be placed four feet into the ground, and the lower 1/3 of the hole should be concreted to keep the post from lifting out of the hole.

We recommend a crimping tool used with the proper number of crimping sleeves for your specific application. This will maintain the full strength of the wire, and also makes a neater connection. Even if you have an expert

personally demonstrating the hand-knotting technique, it takes a while to learn how to tie the stiff H-T wire properly. Expect to lose 1/3 the breaking strength at an in-line splice with the best knot.

In planning your new fence, the first thing to do is find the length of your fence. An easy and economical way to measure the footage to be fenced is to step off a known distance (such as the length of a barn) and calculate the length of your average step. Now draw a rough map of the fence, showing lengths, gates, ends, corners, and other special terrain considerations you may have in your pasture. This is an excellent visual aid and will go a long way toward keeping you organized as far as actual fence construction and materials lists are concerned.

We have included for your information a chart comparing approximate perimeter footage of fence lines compared to acreage. Use this chart for educated guessing only. It is always the best practice to measure the fence line distance as accurately as possible in order to purchase the correct amount of materials. Remember when the fence around a square pasture is doubled in length, there is four times as much land inside.

An easy way to remember the square footage in an acre is to remember there are 640 acres in a square mile (5280' x 5280' divided by 640 acre = 43560 ft² / acre). The materials list for our 15 acre, 3280 foot perimeter example fences have supplies for three corners and two ends. Since there is over a half mile of fence, there are two sets of in-line wire tighteners for each strand.

The first posts to install are the 5 to 6 inch diameter (measured at the small end) corner and end posts. It is best to lean the posts 2 to 4 inches away from the pull of the wire. This will help prevent uplift in the future. Lifting is the

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Acres	2.5	5	10	20	40	80	160
Feet	1320	1867	2640	3733	5280	7467	10560
(square pasture)							
Feet	1400	1980	2800	3960	5600	7920	11200
(pasture 2 times as long as it is wide)							
Feet	1650	2333	3300	4667	6600	9333	13200
(pasture is 4 times as long as it is wide)							
Feet	2100	2970	4200	5940	8400	11880	16800
(pasture is 8 times as long as it is wide)							
Feet	2805	3967	5610	7933	11220	15867	22440
(pasture is 16 times as long as it is wide)							



most common problem of end and corner posts.

Installing the guide wire is next. If you need to carry the coil of high-tensile wire any distance, set the wire flat on the ground and step into the center hole. The coil feels much lighter when you have two hands holding it, and the weight is centered on your feet. Now place the coil on the spinning jenny and pull out the starting end of 12.5 gauge wire. This normally will be the lowest strand of fence wire. Snap locking pliers onto the end of the wire and walk along the fence line, being careful to pull at a steady pace and gradually slow down to stop. You can pull around several corners without tying it off. In this example, you will pull the wire around one corner and do your permanent tie off (termination) at the next corner. When you get to this corner post, do your termination by crimping with two C23 sleeves or hand knotting.

Go back to the end post near the spinning jenny and wire. Pull the slack out of the wire and cut it so you have enough to tie the line off at that end post and attach it, again using crimp sleeves or a hand-tied knot. When you cut H-T wire, it is good to get into the habit of pushing the cut ends of wire into the ground. This keeps the wire from recoiling. Move to the frictional center of the line. Pull on the wire to get all the slack at that point. Cut the wire then thread two crimp sleeves onto one wire end. Put the wire through the hole in the strainer's strap, bend it around and insert the end through the other holes in the crimp sleeves and crimp them. A slight bend in the wire will facilitate insertion

into the crimp sleeve. The other wire end goes into the hole on the strainer's spool. Don't crimp the wire into the hole of the spool or put the wire too far through the hole (1/4 inch out of the other side is enough). Using your strainer handle, tighten the wire by turning the spool (try not to leave so much slack that the spool is too full.) This is your guide wire for setting the other posts, so try to make sure it is straight.

Go back to your spinning jenny and pull out your guide wire for the other half of the fence. Tie off each end and install the strainer in the same manner as before. You should now have a straight line of guide wire for line post placement. Install the remainder of the line posts about a half inch away from the guide wire. Normally these posts should be positioned so the animals push the wire toward the posts; the wire should be on the inside of the fence, closest to the animals. The only exceptions are on the corners, where the wires should be on the outside of the posts. The first brace post should be carefully set into the ground so the top brace rail just fits between them. Remember, it is much easier to cut a post than to stretch it. Try to have the top rail at least 7 1/2 feet long, 10 feet is better. Install the top rail centered between the top two wires. An easy way to do this is with a marked stick which is the length of your post after it is set in the ground. Mark your wire spacing on the stick. Then use this stick, and crayon or chalk, to mark the wire heights on all the end and corner posts. This will help in placing the top rail at the correct height. Your

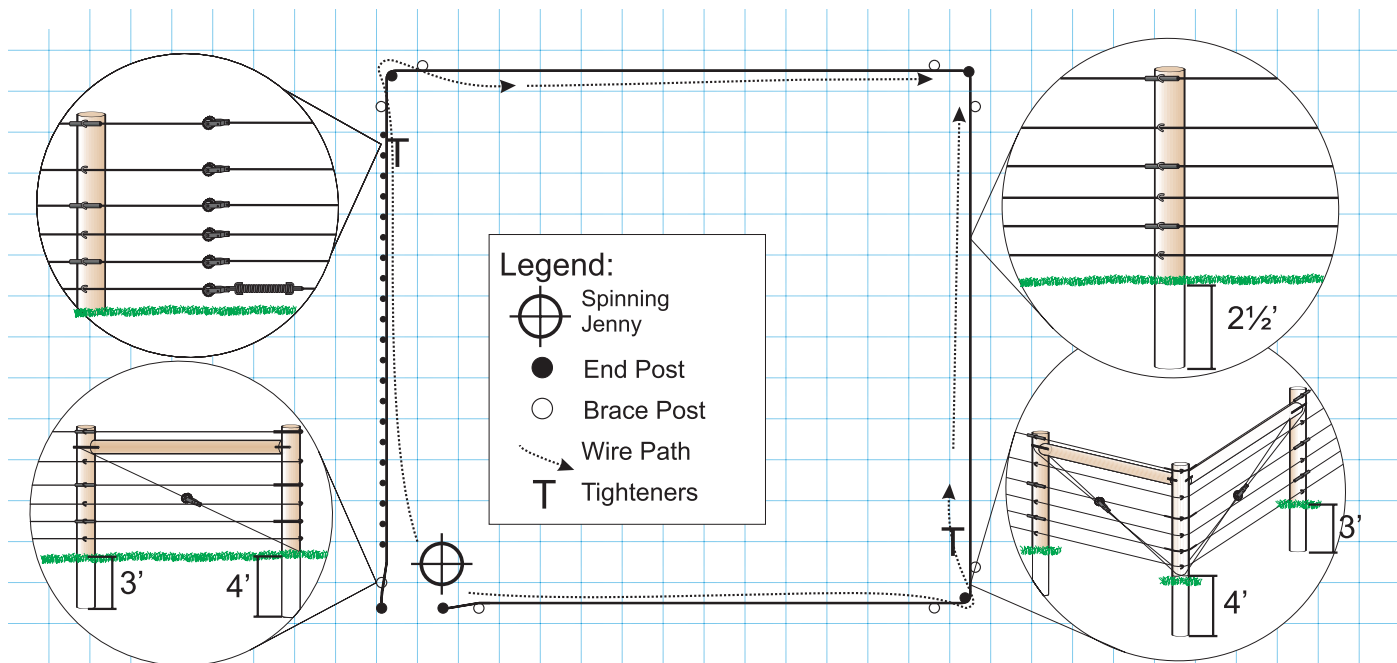
marked stick should also be used to mark your line posts with the planned wire spacing.

On the end or corner post, drill a 3/8 inch hole two inches deep halfway between the marks for your top two wires and install the 4 inch brace pin. Drill a hole 2 inches into the center of one end of the top rail. Now drill a hole through the post supporting the other end of the brace rail. Push the brace rail onto the 4 inch pin and position the other end so you can drive the 9 inch pin into its center. Do not drive the pin flush. Leave an inch sticking out.

Two inches above the ground on the outside of the end post drive a staple for the brace wire. Leave one-half inch sticking out. Attach the wire to an in-line strainer and pull it off the jenny until you have two complete diagonal loops around the brace posts. These loops should cross each other in a figure 8 shape. The staple should be holding the wire at the base of the end post and the inch-long stub of 3/8 inch x 9" brace pin should be holding the brace wire up to the height of the brace rail on the second post. Cut the wire and take up the slack with the in-line wire tightener. You have now built your brace.

Begin pulling the second fence wire out, stopping along the way to install the brace wires for any corners and at the other end assembly. At the far end post, install a wraparound insulator before tying off. This wire will be tied off in the same manner as the guide wire (first wire). Remember, this wire will have wraparounds on the corner posts and tube insulators on the line posts. Count

Planning





the posts. Keep track of how many are on each side of each corner. This will be important when threading the tube insulators (one for each line post) and wraparounds (one for each corner post) onto your wire.

Cut the wire at the spinning jenny end post and thread the proper number of 4-inch tube insulators and wraparounds onto the wire in the order they will be used. (This was figured when counting posts between corners.) Include a few extra tubes in case they are needed at the brace wire on the end assemblies. They can be used to isolate your fence wire where it might touch any brace wires. Staple the bottom two wires to the posts. The staples should be placed over the tubes with the flat side against the post and the fins facing you. Drive the staples until they compress the fins slightly, but not so tight that they pinch the wire.

It is best to put staples horizontally above and below the wraparound insulator rather than straddling it. Finish installing wires, insulators and in-line wire tighteners. Wraparounds and tube insulators are only needed on the wires you will electrify.

It is common to put a tension indicator spring onto one or more of the wires at the in-line wire tighteners. Two hundred fifty pounds is the recommended tension on non-electric style fences. The 1st notch on the heavy duty tension spring tug indicates about 150 pounds of tension. Tighten the wire until the end of the spring exposes 2 notches which equals about 250 pounds tension. If you know of a weak area in the fence, only tighten the wires enough to keep them from sagging. When you can't tighten to the full 250 pounds of tension, it becomes more important to keep the fence electrified. Wide line post spacing also requires the electric to be on more of the time.

This gives you a brief overview of building a basic six wire fence. Of course, these instructions can be adapted to fences of varying numbers of wire. If you want to use more than six wires, you should build double end and corner braces. Suggestions regarding installation or maintenance are only a phone call away.

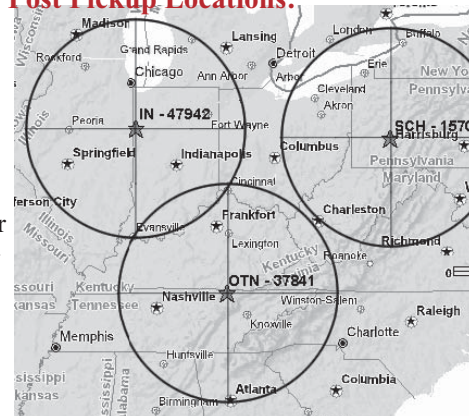
by Charles Kendall © March 2004



DO IT YOURSELF COST					
Wire (pg 6)					
5 Coils	12.5 gauge 180 PSI Wire 4000' FOB	WSA2	66.50	332.50	
Tighteners (pg 11)					
20	Hayes-Style Wire Tighteners	SASAL	1.50	30.00	
Connectors (pg 9)					
1	Crimp Sleeves, 100/pk	C23	9.00	9.00	
Springs (pg 12)					
2	Heavy Duty Tension Springs, FOB	HTSHD	4.50	9.00	
Corner Insulators (pg 31)					
2	Wraparound Insulators, 10/pk	140	7.00	14.00	
Line Insulators (pg 29)					
2	4" Flat Back Tube Insulators, 200/pk	I53	9.75	19.50	
Staples (pg 13)					
1	10 lb box 1.75" Barbed Staples, FOB	HBS10	12.00	12.00	
5 lb	1.75" Barbed Staples, FOB	HBS	1.35	6.75	
Brace Pins (pg 13)					
8	4" Brace Pins	H4PE	.25	2.00	
8	9" Brace Pins	H9PE	.44	3.52	
			3280 Feet @ 13 cents/foot	438.27	

Package listed above will do a 15 acre pasture (approximately 3280 ft perimeter) with a 16 ft gate opening at one corner, as in our sample diagram. Three wires are insulated for electric, with posts spaced at 25 ft centers. As with any packaged plan, measurements and materials are approximations. Your needs will vary. Price does not include labor, posts, spinning jenny, fencing tools or charger. Wire, staples, and springs will be shipped FOB, Blairsville in Southwestern PA or Earl Park in Northwestern Indiana. All other components listed for this project qualify for FREE shipping. Wood posts can be delivered or picked up from Blairsville, PA, Earl Park, IN or Oneida, TN. Posts picked up in Oneida, TN must be purchased by bundle or full truck load and bundle (no individual post sales from that location). See page 16 for more post pricing.

Post Pickup Locations:



Post Size	Bndl Code	Bndl Qty	1-3 Bndl	4-14 Bndl	15 Bndl Trailer
4-5" x 8'	PC4T	60	394.80	366.60	343.80
5-6" x 10'	PC510T	45	579.60	538.20	504.90
5-6" x 12'	PC512T	30	478.80	444.60	417.30
5-6" x 8'	PC5T	45	409.50	380.25	356.85
6-7" x 8'	PC6T	30	378.00	351.00	329.40
6-7" x 9'	PC9T	30	420.00	390.00	366.00
4-5" x 6.5'	PM4T	60	331.80	308.40	289.20
4-5" x 7'	PV4T	60	357.00	331.80	311.40
5-6" x 7'	PV5T	45	337.05	324.45	304.65



ADD ELECTRIC

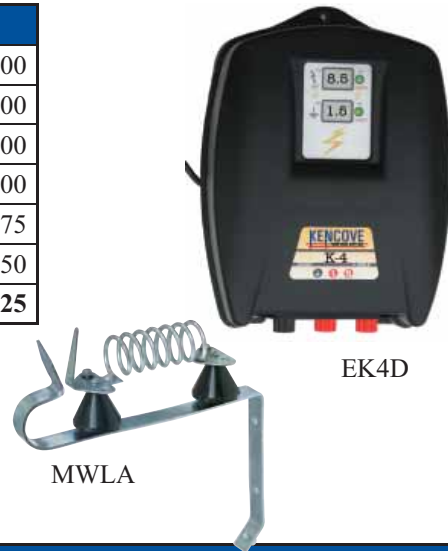
1	Kencove 4 Digital Charger, 4 joule	EK4D	182.00	182.00
8	Ground Rods 6' x 1/2" Hot Dip Galv., FOB	MG6	6.50	52.00
8	Ground Rod Clamps 1/2", Bronze, Buriable	MGCB2	1.75	14.00
100'	Copper Ground Wire, 6 ga.bare, per ft, FOB	MGWFT	.36	36.00
1	Power Surge Protector, plugs into 120 volt	MPS	5.75	5.75
1	Lightning Choke Coil & Lightning Diverter	MWLA	8.50	8.50
ALL FOR ONLY			298.25	

6	Split Bolt Line Taps	CBT	.65	3.90
2	Switches, Heavy Duty Cut Out	MCDHD	5.50	11.00
1	Voltage Tester- 5 Light	V5L	10.75	10.75
1	Underground Cable, 50 ft, FOB	GU50	9.00	9.00
ALL FOR ONLY			34.75	



TEC

TFH



EK4D

MWLA

TOOLS

Handle for the Hayes style wire tightener	TFH	4.25
Spinning Jenny, required FOB	TSJA	38.00
Kencove Multi-Function Tool	TEC	78.50
Robertson Chain Grab	TCHR	60.00

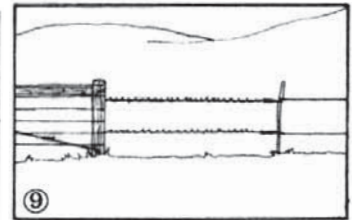
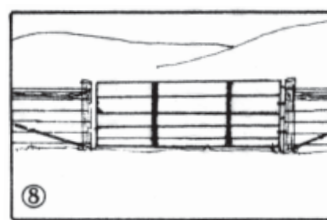
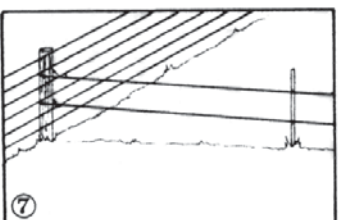
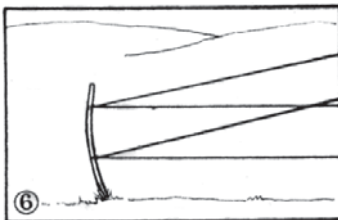
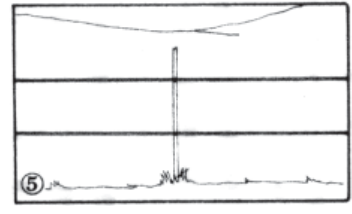
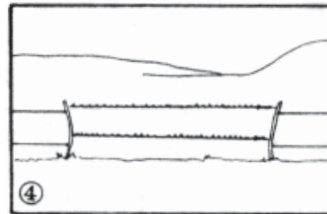
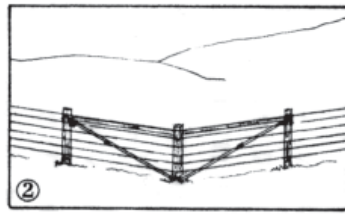
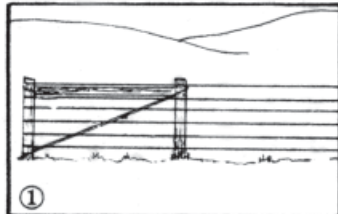
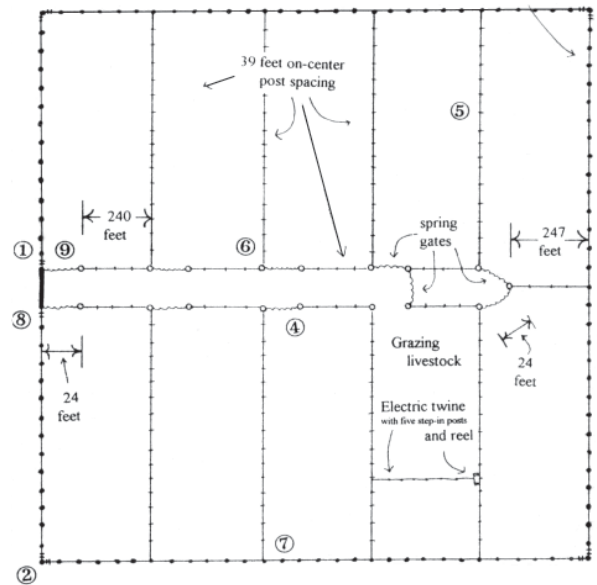
ALL FOR ONLY 180.75

Permanent Subdivision

1	High Tensile 16 ga., Galvanized Wire, FOB	WM6D	34.00	34.00
5	Fiberglass 2/3" SunGuard Posts, 5 ft, FOB	F23-5SG	3.75	18.75
65	Fiberglass 1/2" SunGuard Posts, 4 ft, FOB	F12-4SG	1.60	104.00
5	2/3" Stainless Steel Spring Grip Clips	F23S	.20	1.00
68	1/2" Stainless Steel Spring Grip Clips	F2S	.17	11.56
1	Gate Handle	GNC	3.60	3.60
3400' of 1 strand fence with SunGuard posts at 50' OC = 5¢/ft			172.91	

Final (Portable) Subdivision

1	1640 ft electric twine, 6 ss wires, white	R56GW	29.95	29.95
1	Reel to fit 3/4" post, carry & rewind handles	RPR	23.50	23.50
35	42" Treadaline Step In Post, FOB	RRPW	2.45	85.75
1	Jumper Leads	MPC	7.00	7.00
1	Plastic Gate Handle with no conductor	GPL	1.65	1.65
Total			147.85	





What is PSI? Minimum Pounds per Square Inch breaking strength can be calculated by taking the cross-sectional area (in square inches) of the wire times the PSI. The result will be breaking strength. **KSI is used to indicate thousands of pounds per square inch.**

Do not confuse our minimum PSI guarantee with wire advertised as a maximum of 170,000 PSI. That minimum may be as low as 140,000 PSI. On a .099 inch diameter wire, this equals a 1078 pound minimum breaking strength. Some confusion occurs when comparing different types of galvanized coatings. Class 1 coatings, normally found on 12½ gauge barbed wire and common smooth or woven wire field fencing, has the lightest zinc coating and thus the shortest life expectancy. Class 3 coatings have over 250 percent heavier coatings of zinc than Class 1. This heavier coating will extend the time it takes for initial rust to appear by two to three times (six to thirty years versus two to eleven years). All the wire Kencove sells is Class 3 galvanized, except for our longer lasting Aluminum-Clad, Galfan coated, and Aluminum wire.



Strong - Lasting - Economical

FORMULAS:
Area = (½ x Diameter)² x Pi
Min breaking strength = Area x PSI
EXAMPLE: (12½ gauge, 210PSI wire)
Area = (.5 x .099in)² x 3.14 = .0077in²
Min breaking strength =
.0077in² x 210,000PSI = 1617lbs

High-Tensile Wire

170 KSI 12½ Gauge wire with the 140,000 to 170,000 PSI 12.5 gauge Class III galvanized specification has been popular in many areas of the US for the last 25 years. This wire is easier to bend than 200,000+ PSI wire but since the breaking strength is normally in the 1,000 to 1,200 pound range, it should only be used on fences that are electrified most of the time. 170,000 PSI max to 140,000 PSI min = 1078 lb min at .099 in

4000' ft coil	WB17	80.75
2000' ft coil	WB17D	42.50
Shorts	WB17FT	.0175

180 KSI 12½ Gauge wire with Class 3 galvanization and slightly lower tensile strength is an excellent choice for those of you who prefer the traditional hand-knotting methods. In New Zealand, 180,000 PSI wire is the standard used for both electric and non-electric fences. Kencove WSA2 wire has a minimum breaking strength of over 1350 pounds. The price and quality make this wire very popular. All of it is rewound on Kencove's machines to give excellent wire payout.

180,000 PSI min = 1358 lb @ .098 in

4000 ft coil 100 lb	WSA2	67.50
2600 ft coil UPS 66 lb	WSAU	45.75
2000 ft 52lb	WSA2D	36.50
Shorts 40 ft/lb PA	WSAFT	.015

200 KSI 12½ Gauge wire is Kencove's most popular USA-made high-tensile wire. With Class 3 galvanization, it provides high strength and long life at a low cost. This 200,000 PSI wire has nearly twice the breaking strength of standard two-strand barbed wire. Premium Grade Steel, Electro-Plated, Polished, 12½ Gauge

200,000 PSI min = 1540 lb @ .099 in

4000 ft coil Electroplated 105 lb	WK2	83.00
2000 ft coil Electroplated 63 lb	WK2D	43.50
Shorts -Electro-Plated Polished	WK2FT	.017/ft

GALFAN 12½ Gauge 180,000 PSI minimum wire. 1358 pound minimum break at .098 inch. Galfan, a zinc alloy coating, offers performance advantages beyond the limits of conventional galvanizing. Consisting of mainly zinc plus a little aluminum, the Galfan alloy coating provides as much as seven times the corrosion protection as class 3 galvanized coatings. The Galfan coating provides this protection in two ways. The aluminum provides longevity of the coating, and the zinc provides sacrificial cathode protection against corrosion where scratches may occur in the coating. Ideal for use where a stronger, longer lasting wire is desired. Over time, Galfan wire will turn a bit darker gray than our other wires. 180,000 PSI min = 1358 lb@ .098 in

4000 ft coil, 105 lb	WG18	93.75
2160 ft coil, 56 lb UPS	WG18U	53.75
Shorts - 38 ft/lb	WG18FT	.018/ft

210 KSI 12½ Gauge wire is the highest quality. This electro-galvanized wire has uniform and tight bonding of zinc coating and extra high strength and resiliency. It can be wrapped tightly around its own diameter without breaking and dispenses with less chance of tangles, if you use a spinning jenny. Even though it costs a bit more, many customers feel it is worth it. Odd length (shorts) coils are a normal by-product when high-tensile wire is being rewound into standard length coils. You can obtain this top quality wire at a lower price by ordering these shorts. 210,000 PSI min = 1617 lb @ .099 in

4000 ft coil 105 lb	WM2	93.75
2600 ft coil UPS 68 lb	WMU	65.25
2000 ft coil 52 lb	WM2D	49.00
Shorts 38 ft/lb	WM2FT	.02/ft

Quantity Discounts - 4000' FOOT COILS

5 Rolls- Save \$1 per roll
10 Rolls- Save \$2 per roll
20 Rolls- Save \$3 per roll
50 Rolls- Save \$4 per roll

Wire products do not qualify for free shipping; prices are FOB Blairsville, PA or Earl Park, IN.



16 Gauge High-Tensile wire makes it possible to build subdivision fences quickly at low cost. They will take over ten years of abuse with minimal maintenance. The end and corner posts don't need to be braced because this wire acts like a light weight rubber band. The wire can give more than the heavier gauges without transferring as much stress to the end posts. Because less weight is suspended, less tension is required.

Light 3/8 or 1/2 inch fiberglass rod posts can be used for the majority of the line posts. Rod diameters of 5/8", 2/3" or 3/4" in either five or six foot lengths are ideal for end or corner posts. Lean the end post 20 degrees away from the wire's pull. Use a separate end post for each wire. This will allow each wire to be tightened without affecting the other wires' tension. Both the 3400 and 6340 foot coils fit a standard spinning jenny, which may also be used to rewind the wire. If rewinding, use the largest diameter on your jenny. 16g 210,000 PSI min = 614 lb @ .061 in

6340 ft coil, 66 lb UPS	WM6	60.50
3400 ft coil, 36 lb UPS	WM6D	34.00
Shorts, 96 ft per pound	WM6FT	0.009/ft

Soft Wire Options

Although I have liked the strength of high-tensile wire, many people still do not use it because it is stiff to bend. This is not farm store grade wire. Expect many of these wires to last 50 years. Although soft wire is easy to overstretch and break, it is also easy to repair and retighten.

Galfan Soft		
12.5 ga 2600 ft	WGS99U	39.00
14 ga 1650 ft	WGS80	24.75

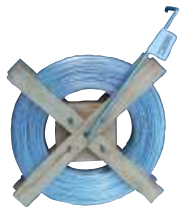
Class 3 Galvanized Soft		
12.5 ga 4000 ft	WSS4	50.00
12.5 ga 1000 ft	WSS1	18.25
12.5 ga per ft	WSS4FT	.012

Aluminum Wire		
.08" dia. 5280'	WTT12SF	125.00
.08" dia. 1320'	WTT12	31.75

14 Gauge High-Tensile wire is a popular electric high tensile fence wire in the northeastern USA. There is less weight to support yet it has a similar breaking strength and a springier feel than the 170,000 maximum PSI 12½ gauge H-T wire. Even though this wire has a smaller diameter, it is able to be stretched to a higher tension and still retract to its original length. Normal breaking strength is 1100 pounds.

14g 210 PSI min = 1004 lb @ .078 in

5000 ft coil, 86 lb	WM45	81.00
3800 ft coil, 65 lb UPS	WM4	61.00



These easy pay-out reels make this soft wire convenient to use. Available in 14 gauge or 16 gauge wire.

Wire Soft 14G 1320'	WL4	24.75
Wire Soft 16G 2640'	WL6	32.50
Stainless Steel 19G 1000'	RSS1	34.50



Kencove now has high tensile wire on easy pay-out **Wooden Reels**. This new product eliminates the need for a spinning jenny. Works great for smaller jobs, or keep one around just for the diagonal wire on bracing units. Available in either 2000' or 4000' reels.

12.5 Gauge 200 KSI		
4000' -Reel	WK2R	92.75
2000' -Reel	WK2DR	53.25

All wire products are FOB Blairsville, PA or Earl Park, IN. Wire does not qualify for free shipping.

Wire Cutters

Kencove Multi-Function Tool!
Page 10



TCTHD

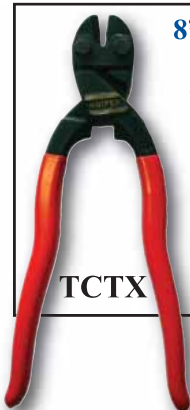
When you cut H-T wire with regular wire cutters, they often don't cut as well again. Our (TCTHD) **Nine-Inch Cutter** has more leverage, a strong jaw, and still fits in your pocket.

TCT9



The (TCT9) **Wire Cutter** looks and cuts much like the (TCTHD), but it is made in China. The jaws may be a bit loose, but for 12½ high tensile wire they cut great if the wire is put all the way back in the jaw.

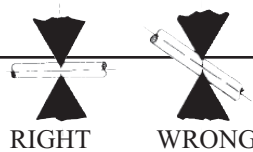
Wire Cutters		
9 inch Heavy Duty H-T, Japan	TCTHD	15.00
9 inch H-T, China	TCT9	6.00
8 inch Heavy Duty H-T, Knipex, Germany	TCTX	49.50



TCTX

8" KNIPEX Lever-Action Center Cutter

The center recess allows the wire to cut close to the joint. Cutting is easy. It is important to cut the wire square with the cutting edges as shown in the sketch. The tool will last much longer. The manufacturer does not warrant against jaw damage. The Knipex cutter is the best long lasting cutter for the hard wire.



Spinning Jennies



High-Tensile

Without the use of some sort of turntable to dispense wire, the risk of tangles and personal injury, especially to the eyes, is greatly increased. Set up the jenny loaded with wire on the ground. You can walk away pulling the end of the wire and the jenny will spin, preventing your wire from tangling.

Smooth wire drags easily, especially downhill. Slow down gradually before stopping to prevent over spinning and tangling. A simple brake to reduce over-spin can be made by attaching a rubber flap under the jenny. If rewinding wire in the field, always use the outer most position of the arms, as the rewind coil will have a tendency to "shrink" in diameter when removed from the jenny.

Spinning Jenny with Brake

The spring braked (TSJHH) Jenny features an adjustable brake to control over-spin when you stop pulling the wire. This jenny may be placed flat on the ground or bolted to a cart or truck bed. The 4 legs in the base give good stability. The 4 arms will adjust to fit many diameter coils. Optional hoop (TSJRH) allows for easy rewinding.



Spinning Jenny w/ Brake, FOB	TSJHH	75.00
Rewind Hoop for TSJHH, FOB	TSJRH	35.00

Kencove Spinning Jenny

The Kencove Jenny (TSJ) has been very popular. It is built to drive a pivot pin into the ground through a base plate. The wheel is then placed on this pin, and the wire is set onto the wheel. The wire is kept centered on the wheel by adjusting the three arms to fit the wire coil's diameter. There are three separate positions for the arms, which allow you to unwind many different diameter coils.



Kencove Spinning Jenny, FOB	TSJ	67.00
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Robertson Quad Wire Jenny Assembly

Unwind 4 coils of wire at one time! The top 3 coils swivel to the side for easy loading. This can easily be adapted to mount on a 3 point hitch, pickup truck, heavy duty ATV, or trailer for an ATV. Now with stronger hub for increased durability!

Quad Jenny Assembly	TSJ4	1275.00
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Non Wheel Spinning Jenny

The low cost (TSJA) Jenny pivots on a pin that has been driven into the ground. This jenny doesn't have the round wheel on the end of the 4 arms that carry the wire. This imported jenny ships unassembled in a compact box.

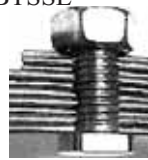
Non-Wheel Jenny, FOB	TSJA	38.00
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Electrical Connectors



Double Strength Split Bolt Line Taps (CBT), made out of zinc, are for ensuring electrically tight connections on galvanized wires. If the electric hookup wires are only hand wrapped, often poor electric contact will develop when the fence is heavily shorted. It is good practice to join electrified fence wires with a Split Bolt Tap by bringing all hot wires at a fence end post into one tap. It will hold seven or more wires at once, depending on the wire size. If the lower wires are making it difficult to maintain proper voltage on the fence, it is easy to disconnect wires as desired. Troubleshooting is simplified by isolating wires and testing with a voltmeter and portable fence charger.

CBTSSE



Stainless Steel Split Bolt Line Tap has a larger slot and the highest strength. It holds Safe Fence Buckles.

Standard (zinc), Each	CBT	.65
Stainless Steel	CBTSSE	1.15

Crimping Sleeves are the preferred method of connecting high tensile wire. When 12½ gauge wire is spliced in line, three Kencove C23 crimping sleeves are used to maintain the full strength of the wire. At end posts and in-line tightener brackets, two Kencove C23 sleeves are normal. When crimping the sleeve, put it into the tool slot marked 2-3 and compress it into a cylindrical shape. Do not split the sleeve into an '8' shape.

The C2L sleeve is 70% longer than the C23 and requires at least two side by side crimps to get full strength. It can be used in place of the C23 in many applications. The C2L works well on Solidlock and other woven wire style fences since these fences are normally tightened to lower tensions. Use of C2L sleeves in these applications will save money since you need only one per line splice versus two of the C23 size.

When crimping 14 or 16 gauge wire, Kencove has two options. The C12 sleeve is designed to work with these wire sizes. These sleeves are small and easy to work with. The C23 sleeve, while primarily used with 12½ gauge wire, will hold well with 14 and 16 gauge wire. The C2SS sleeve is about half the length and price of the C23 sleeve. C2SS is great for electrical connections. If you find the crimping tool too hard to use on the C23 sleeve, use the C2SS - it is much easier. Use twice as many to get the needed holding strength. The C34 sleeve can be used for 10½ gauge smooth and high tensile barbed wire. The C45 sleeve works well with 9 gauge smooth and 12½ gauge barbed wire. Sleeves come packaged in resealable plastic bags or bottles. For best results, keep sleeves dry prior to using.



A crimping tool is required for use with all crimping sleeve products. See our quality fencing tools on page 10.

Aluminum Crimping Sleeves		
12½ ga 100/pk	C2LAL	17.50
8 - 10 ga 50/pk	C45AL	13.50
Barbed wire 50/pk	C45B	13.00

Crimping Sleeves		
14 or 16 ga 100/pk	C12	6.60
12½ ga, 100/pk	C2SS	3.50
12½ ga 100/pk	C23	9.00
12½ ga 250/pk	C23-250	22.50
12½ ga Long 100/pk	C2L	15.00
10½ ga 14 ga barbed 50/pk	C34	10.00
8 ga & 12½ ga barbed 50/pk	C45	12.50

The **Open Tap Crimp Sleeve** (CT4) is good for making permanent electrical connections on 12½ and 14 gauge wire. Do not use it for connections requiring strength. The advantage of this sleeve is the open side that allows for installation onto existing H-T fence. A crimping tool is normally used to compress the open tap sleeve. Use the slot marked 3-4. Available by the piece or in convenient 25 or 100 piece packs. (Consider the Split Bolt Line Tap (CBT) for removable connections.)



25/pk	CT4PC25	4.50
100/pk	CT4	18.00

Fastlok (CLO) is a fast and convenient way to create an in-line splice very close to the full strength of the wire. Our initial pull testing of a medium Gripple and the Fastlok resulted in the 12.5 gauge USA 210 breaking at 1125 pounds for the Gripple and 1580 pounds for the Fastlok. The Wirelink tested at 1645 pounds when its wire broke. The Fastlok is installed in very much the same manner as the Gripple. It is reusable, able to be retightened and works well for ends and brace wires as well as regular splices. Fits 12.5 gauge wire only.



FastLok (each)	CLO	.99
50 or more		.95
200 or more		.90

The Wrap Connector (CWC) is a preformed wire spiral with grit glued to the inside which contacts and holds the line wires. Two CWC's should be twisted onto the wire for in-line splices and have a holding strength equivalent to the full strength of the wire when used this way. This connector works well to form tieback loops onto 12½ gauge wire for hooking electric gate handles upon when the gate is open. Twist the first third of the connector onto the fence wire. Bend the middle third into a loop and twist the last third of the connector back onto the fence wire beside the first part of the connector. Use two wrap connectors when they are used for tying off wire at end posts. Fits 12½ gauge wire only. No tools required. Removable.



Wrap Connector	CWC	.50
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Gripples are an easy way to join or tension wire. Simply push the wire or cable into the ends, leaving at least a two inch tail which will allow for easy adjustment or re-tensioning. Once in position, serrated rollers grip the wire as soon as any reverse tension is applied. To increase wire tension, simply pull the wire through more. To remove the Gripple, cut the wire, pull the loose ends through, and you're ready to use the Gripple again. Three sizes are offered, allowing them to be used on smooth wire from 16 to 7½ gauge ranges as well as 15½ to 12½ gauge twin strand barbed wire. A tensioning tool (TGT) is available for applications where high tensions are required.



Small 17 to 14 ga	CGS	1.31
Medium 14 - 10 ga / 15½ barb	CGM	1.31
Large 12 - 8 ga 12½ ga barbed	CGL	1.89

Gripple Tensioning Tool	TGT	59.95
Gripple Tool, plastic	TGTP	59.95

Connectors



High-Tensile

The **Quik-Splice** (CWL) and **Quik-End** (CWV) can fasten H-T wires without a tool. Merely insert the wires into the holes. The wires are gripped by spring-loaded clamps which tighten more securely as the wires are pulled harder, holding the wires at over 80% of the breaking strength of the wire itself.

The Quik-Splice is double sided for joining two ends of wire on in-line splices whereas the Quik-End is half of a Quik-Splice and is used for terminations at an end post. Each wire on a fence requires one Quik-End.

To use the Quik-End, drill a 3/8 inch hole through the end post and pull the wire through the hole. Then put the Quik-End on the wire and tap it lightly into the hole. If final tensioning is to be done with the Quik-end, it is recommended to pull the wire to the end post with a chain grab, then push the slack through the hole and Quik-End. A special tightening tool (TVT) is also available for use with the Quik-End. It grabs the wire which has been threaded into the Quik-End and a simple prying action pulls the wire through the Quik-End to the desired tension.



Quik-Splice		
12½ gauge (5059)	CWL	2.70
16 -14 gauge	CWL5057	2.90
11-10 gauge	CWL5063	4.20
9 gauge	CWL5065	4.20

Quik-End		
12½ gauge (5058)	CWV	2.00
16 - 14 gauge	CWV5056	2.20
11-10 gauge	CWV5062	2.80
9 gauge	CWV5064	3.00

Quik-End Tension Tool	TVT	33.50
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Fencing Tools

Crimping Tools and crimp sleeves make a neat, strong attachment and are simple to use. The four slots allow a wide range of wire or cables to be spliced with one tool. An adjustment gauge is included with each tool, which allows exact sizing of the crimped sleeves. The gauge should fit freely onto the crimped sleeve. Holding strength drops quickly if the sleeve is not properly crimped. About 1/4 inch of space should be left between the crimp sleeves at the splice. This allows room

for expansion of the sleeve as it is crimped, and avoids pushing a previously crimped sleeve and lowering its holding strength. Tool adjustment should be checked monthly, and it should also be oiled regularly.

Proper care and a few drops of oil will make these quality tools last a lifetime.

Each four-slot imported tool is carefully tested and adjusted to ensure high quality performance.



NEW

The **Kencove Multi-Function Tool** (TEC) is lighter to carry than the 4-slot tools. It combines a wire cutter, crimper, wire gripper/cable stripper and staple puller into one easy to use tool. It will crimp the C2SS/C23/C2L/C2LAL sleeves. Comes with gauge, allen wrench, plastic carry case and FREE bottle of C23 sleeves!

Kencove Multi-use Tool	TEC	78.50
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The **Multi-Slot Fencing Tool** (TMP) has 2 different size slots to allow crimping the CT4, C45B, C23, and C45AL sleeves.

The **EzePull 4-in-1** (TEP) is a wire cutter, crimper, cable stripper and staple puller. Crimps the C2SS/C23/C2L sleeves and requires additional crimping actions on the C23 and C2L sleeves. Made in New Zealand.

The **USA-Made 4-Slot Tool** (TNC) is also available. It will crimp the full range of crimp sleeves offered by Kencove.

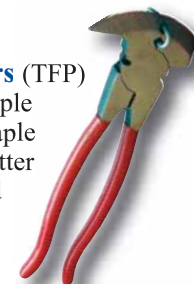
The **Blue handled 4-Slot Tool** (TKC) is Kencove's top line of imported tools. It crimps the full line of crimp sleeves offered by Kencove. Each is carefully inspected and guaranteed for five years of proper use.

LOWER PRICE

Blue Handled 4-slot Tool	TKC	49.50
EzePull 4-in-1 Tool	TEP	129.00
Multi-Slot Fencing Tool	TMP	114.00
USA-made 4-slot Tool	TNC	195.00



Kencove **Fencing Pliers** (TFP) are a low cost tool with multiple uses. It has a wire gripper, staple puller, hammer head, wire cutter for soft wire, and can be used to hold staples to prevent bending while driving into hard wood.



Fence Pliers 10.5"	TFP	9.00
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Many people think high tensile fences are hard to tighten, but in-line strainers and/or chain grab wire tighteners make this job easy. Normal procedure is to fasten both ends of the fence and then install the permanent in-line tightener at the midpoint of the fence. If the wire is being pulled around several corners, it is best to be at the center of friction. Longer runs of fencing require additional tighteners. Generally we recommend one tightener per strand for every 2600 feet of fence. The permanent in-line tighteners are left on the fence after doing the initial tightening. This allows you to maintain the wire tension in the future.



The following is a good technique for starting the wire onto the tightener: Snap a visegrip onto the spool axle just outside the bracket. Put the unbent wire through the hole in the spool until it is just out the other side. After cranking the spool nearly halfway around, pull the assembly so the wire moderately tightens. The wire should naturally bend over to the opposite side of the spool from the hole.

Wind the wire around, being careful wind on top of the first section of wire; this will take the stress off the tight bend at the hole. Pull tighter and neatly wind across the spool towards the hole. When the wire approaches higher tensions, be careful. Wear leather gloves and use proper tightening handle.



Hayes-style Strainers (SATS) with permanently hinged, flipper type catches have become quite popular. The (SASAL) and (SASS) have a spring to hold the latch flipper tight against the cog spool. This makes tightening safer, but if you plan to loosen the wire, you may like the (SATS) better.



The **(SASS)** is Kencove's best selling tightener. It has a stainless steel strap and spring wire. Kencove has made stainless strainers with an imported aluminum spool (SSS). The catch is made with a stainless steel, spring action wire. We believe these strainers are virtually rustproof and will last a lifetime.



The **(SDS)** is a stronger model strainer yet very similar in design to the Allflex-Donalds. This strainer will also hold more wire than the SDNZ. In pull testing the (SDS), we found our USA 210 wire broke at 1750 pounds without damage to the spool. The (SDNZ) spool broke at 1350 pounds of tension. You should try the (SDS) stainless strap strainer! The \$1.69 price is a great value, even if it didn't have such a long life.



The **Allflex-Donalds Strainer (SDNZ)** has a spring steel latch and cog with square end. This allows tensioning with crescent, box or open end wrenches or vice grips.



The **EZ-Daisy Tightener (SSDN/SSDR)** can be initially tightened with a 1/2 inch drive ratchet. It is not necessary to cut the wire during installation.



SHY SHYI

Original Hayes New Zealand Strainer (SHY) has a catch wire flattened on both ends and has a washer to prevent fallout. The (SHYI) insulator makes end insulation quick.



To begin installation, place wire into slot on the side of the spool. Wind wire onto spool using the (TFD) handle or a 1/2 inch square drive ratchet. When at the desired tension, put the wire clip through the appropriate two holes to keep it from unwinding. This type of tightener is best for electric fencing where wire will be under lower tension. Unless the (TFD) handle is used, it's difficult for one person to install the latch pin while safely holding the tightener in position.

The **(TFH) Handle** can be used for all Hayes Style strainers. (SASAL), (SASS), (SHY), (SATS), and (SSS).

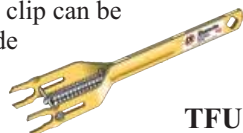


Wire tighteners like the (SDS) can replace twist sticks. Another low cost alternative to the Twist Stick is to use a chain grab wire tightener to tighten the diagonal brace wire. Then use a quik-link, fastlok or your crimping tool and three sleeves to fasten the ends together.

Twist Stick ACQ Wood FOB PTA .90



Robertson Tighteners (SRP) & (SRC) hold a bit more wire than most tighteners and are safer to use since the catch pin and spring clip can be operated from outside the galvanized bracket.



TFU

SSDN	EZ Daisy non-splicing	1.99
SSDR	EZ Daisy, white	1.99
	Buy 50 or more	1.89
TFD	EZ Daisy Handle	6.50

CODE	DESCRIPTION	CATCH TYPE	STRAP	SPOOL	PRICE EACH	PRICE >50
SASS	Stainless w/ spring	Flipper	Stainless	Galvanized	1.85	1.75
SASAL	Hayes style w/ spring	Flipper	Galvanized	Aluminum	1.50	1.40
SATS	Stainless, imported	Flipper	Stainless	Galvanized	1.82	1.72
SSS	Hayes style	Clip	Stainless	Aluminum	1.85	1.75
SHY	Original Hayes Strainer, NZ				2.05	1.95
SHYI	End Insulator to fit SHY bracket				1.00	NA
TFH	Required handle for above strainers				4.25	NA
TFU	Required handle for SRP, SRC, SDS, SDNZ				7.75	NA
SRP	Robertson Pin Strainer	Pin	Galvanized	Galvanized	2.20	NA
SRC	Robertson Clip Strainer	Clip	Galvanized	Galvanized	2.20	NA
SDS	Donalds style	Clip	Stainless	Aluminum	1.69	1.59
SDNZ	Allflex-Donalds	Clip	Galvanized	Galvanized	2.19	2.09

Chain Grabs



This tool is often used to pull the excess slack out of long stretches before installing permanent in-line wire tighteners. It is equally handy for splicing cut wires or pulling to an end post. Damage to wire is minimal because of its smooth jaws. The chain walking principle is quick and easy.



The **Donalds Chain Grab (TCG)** is made by stamping, forming and welding heavy gauge steel. It has been quite adequate for most people. In fact, it will handle "slinging" onto an end post better than the Hayes model.

Donalds Chain Grab	TCG	59.50
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High-Tensile



The **Hayes Chain Grab (TCH)** has been popular with many contractors because the cast claws tend to lock onto the chain better. The wire releases easier by squeezing the grips.

Hayes Chain Grab	TCH	60.00
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The **Klein Wire Gripper (TAG)** is for working with aluminum clad wire in place of the regular jaws on your chain grab. This gripper gently grabs the wire between two slightly textured surfaces. As the wire is pulled, the gripper increases its hold on the wire but does little damage to the coating. A simple sliding action of the surfaces allows for easy on and off.



Klein Gripper	TAG	87.50
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The **Robertson Chain Grab (TCHR)**, made in New Zealand, has similar cast parts as the TCH Hayes model. It releases from wire easily.

Robertson Chain Grab	TCHR	60.00
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The **Wizard Chain Grab (TCGW)** is a dual purpose tool. It has two smooth wire grippers like other chain grabs. The chain also has a hook to allow easy attachment to end posts or stretcher bars (for woven wire). The handle is much longer. The grip on this part of the tool also has a 5/8 inch hole for a locking ring to be used to attach to the second stretcher bar. The chain is much longer than the one on a standard Donald's Chain Grab (TCG).

Wizard Chain Grab	TCGW	99.50
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Tension Springs

Tension Springs are used for several purposes - to indicate the amount of tension on the wire, to act as a shock absorber and to make the fence tension more self-maintained. When the slightly-over 9 inch spring is compressed until the first notch in the drawbars is slightly exposed, it is under 150 pounds tension, which is common for electric style fences.

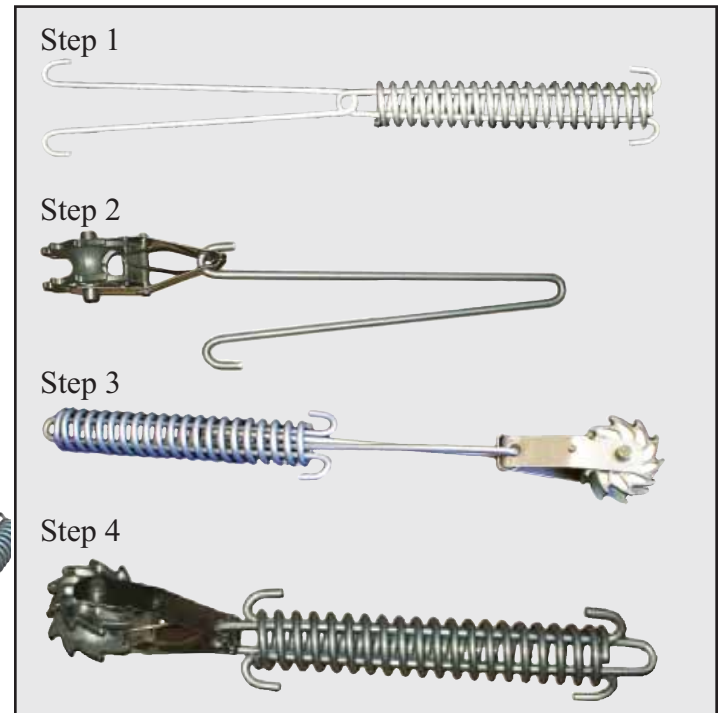
Non-electric fences require more tension. When the second notch on the drawbar is exposed, there is about 250 pounds tension on the fence. If the tension is much higher, there will be more problems with pulling end, corner, bend and dip posts out of the ground. Usually only one spring is installed per set of in-line wire tighteners.

Compare the other wires to the spring wire by noting how hard it is to deflect each strand by pushing with one hand while pulling with the other hand. On long stretches the wire acts as a spring. If a tree falls on the fence, take the tree off and the wire should rebound back into place. For shorter fences, the wire doesn't have enough length to give as much recoil so tension springs are needed on each wire if a fair amount of abuse is expected. If a lower strength wire is used, the spring will be especially helpful. If you like to do the "spring tie knot", the (HTSL) has extra long tug links made of Galfan wire. This spring can also be used on ends and corners with the (ICP1) insulator. This insulator will fit on the end of the long tug and will insulate a hot wire from an end or corner post.

All of Kencove's springs have Galfan coating and strong drawbars. The (HTSHD) spring has a normal holding strength of over 2,200 pounds before the drawbars pop through the spring. This is the highest strength and longest lasting spring on the market.



Installing Wire Tightener on Tension Spring:



H-D Tension Spring, FOB	HTSHD	4.50
Long Tug Tension Spring, FOB	HTSL	4.50
Insulator for HTSL spring	ICP1	.27



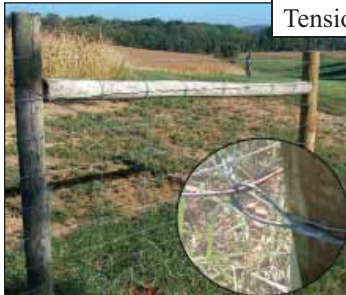
Hollow Grooved Poly-Battens are similar in design to wooden multi-groove battens. These offer superior insulation and extra long life. Clips are needed for proper installation. The (PKD) has a rounded back-side and takes a special clip. The wire-twisting tool (TWTL) makes installation of the clips easy.

Poly-Batten Multi grooved 4 feet FOB	PKD	2.95
Clips for (PKD) Poly-Batten 100/pk FOB	FCPK	6.50
Kencove Short Flat Steel Wire Twisting Tool	TWTL	1.25



The **Quik Brace** is a complete bracing system to use on any type of H-Post or box strainers. Containing a length of high-tensile galvanized steel cable with ferruled loop at one end and a Gripple cable grip. With no twisting of wires, this system is fast and easy to install.

Quik Brace		
Single, 8 ft	HQBS	10.95
Double, 16 ft	HQBD	12.95
Tensioning Tool	TGTP	59.95



HQBS

Kencove's Staple Driver is very simple to use and has no moving parts to damage. Just insert the staple into the slot and hammer on the pin.

Staple Driver	TDSD	11.95
Staple Driver for HD2W (for wide staple)	TDSDW	11.95



Barbed Staples should not be driven tight against the wire or tube insulators on line posts. You can utilize the natural spring of H-T wire and permit easy tightening and retightening of the line wire if the wire can move freely. The 1/4 to 2 inch staples are class 3 galvanized and barbed to provide superior hold when compared to plain staples. All staples are available by the pound or in convenient 10 pound plastic tubs. Most sizes are also stocked in 50 lb wooden boxes. Wide 2-inch

staples are ideal for plastic coated high tensile wire. Double-barbed staples are now available; please call for pricing.



Barbed Staples, Class 3 Galvanized (FOB)		
1/4", Batten staples	HB1B	1.35/lb
1/4" 88 staple/lb	HB1	1.35/lb
1/2" 62 staple/lb	HBM	1.35/lb
1 3/4" 53 staple/lb	HBS	1.35/lb
2" 48 staple/lb	HB2	1.35/lb
Wide 2" 46 staple/lb	HB2W	1.35/lb

Quantity Discounts		
10 lb box, (1.20/lb)	H?10	12.00
50 lb box, (1.00/lb)	H?50	50.00
900 lb. drum, .90/lb)	HB?	810.00



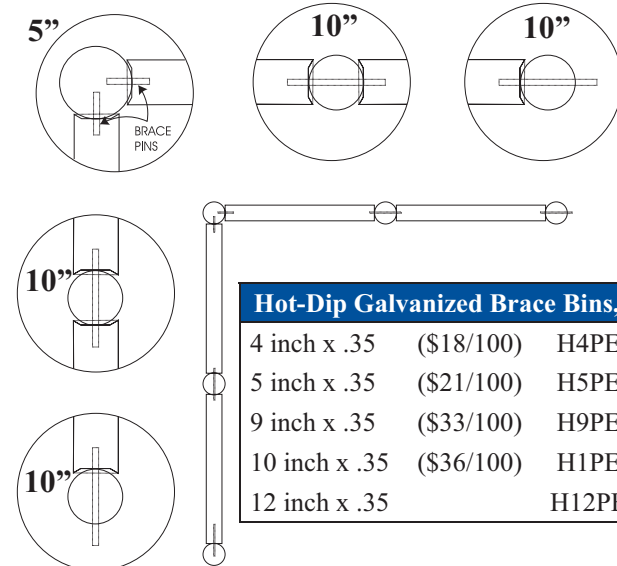
Brace Pins

Galvanized Brace Pins make the H-style end or corner braces neat, strong, and simple to install. They are used to hold the top horizontal rail in place between the end post and next brace post in the ground.

The procedure is to mark the wire spacings on the vertical brace and end or corner posts. Halfway between the top and second wire marks, drill a 3/8 inch hole two inches into the end post and insert the four inch brace pin where the horizontal post will be. Drill a two inch deep hole into one end of the horizontal rail. Next drill a hole through the second vertical brace post for a nine or ten inch brace pin.

Put the horizontal post onto the stub of the four inch pin. The nine inch pin is then driven through the second post into the other end of the horizontal rail. Leave a two inch stub for the second rail on a double brace assembly. The nine inch pin stub can also be used for installing the diagonal brace wire by bending the wire around the pin and stapling it tight after removing all possible slack. Some fence builders prefer to use a five inch brace pin instead of a four inch pin. Several sizes are available. The twist stick may be used for the final tightening of the brace wire, but don't over wrap it. The diagonal brace wire can also be tightened with an in-line strainer, like the SDS. A third option for tightening the diagonal brace wire is with a chain grab. Pull the wire tight, then crimp the two ends together using a crimp tool and two or three sleeves. A Quik-Splice or Quik-End can also be used.

Double Brace:



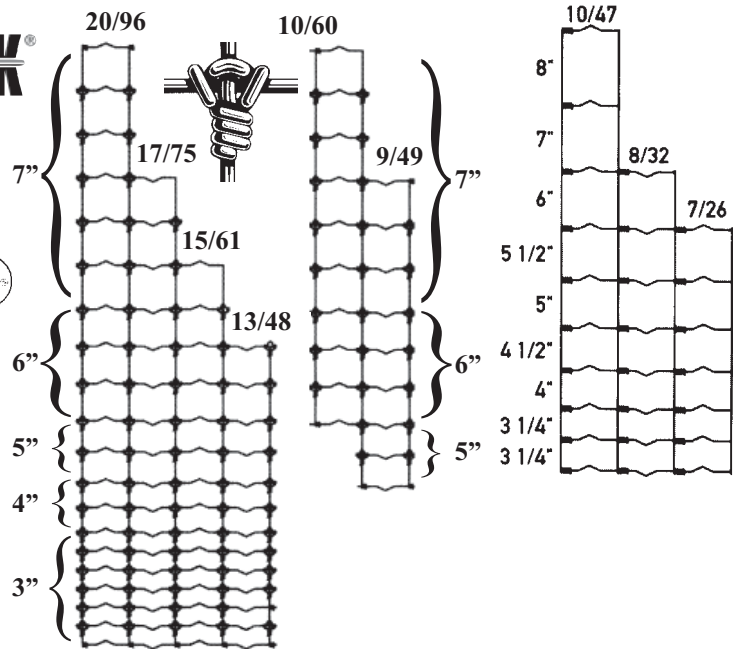
Hot-Dip Galvanized Brace Pins, FOB			
4 inch x .35	(\$18/100)	H4PE	.25
5 inch x .35	(\$21/100)	H5PE	.29
9 inch x .35	(\$33/100)	H9PE	.44
10 inch x .35	(\$36/100)	H1PE	.48
12 inch x .35		H12PE	.58



Photo Courtesy: Field of Dreams Whitetails
www.fodwhitetails.com

SOLIDLOCK®

TIGHTLOCK™



If you need a more secure, nonelectrical fence, consider using a tightlock knot H-T woven wire fence. This high strength, long life fencing was originally developed for raising deer in New Zealand, but works great as a long-life and low cost cattle fence. The 9/49/12 (9 line wire / 49" high / 12" vertical stay wire spacing) is much quicker to install and lower cost because you can go up to 40 feet between line posts. Class 3 galvanizing means 20 to 40 year life is likely. When you consider the savings in the cost of posts (including installing them) and the long, rugged life of the wire, this can be your lowest cost option. You can have a great sense of security without having to maintain electric. It is still good to use a few strands of electric but it's not required.

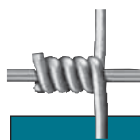
Solidlock / Tightlock Deer, Game, Livestock and Exotic Animal Fence is available several heights: the 49 inch has 9 (cattle) or 13 (sheep) horizontal wires, 60 inch has 10 (bison) or 15 (ostrich) horizontal wires, 75 inch has 17 (interior deer and elk) horizontal wires and the 96 inch has 20 (deer and elk) horizontal line wires. Vertical stay wires are available in 6 or 12 inch spacing. This fencing is ideal for alternative livestock breeds like deer, elk, bison, llama, or ostrich. Damage to crops, gardens and shrubs can be frustrating and expensive. Savings from positive, nonelectric deer control may pay for this fence in a very short time.

A complete line of related products and tools for ease of installation is also available. These include steel strainers clamps (bars) for tensioning and chain grabs with 20 foot chains and hooks for pulling the strainer bars.

A video guide to installation (RWV) is available. This is a professionally filmed recording and has useful information for installing woven wire fencing. Kencove stocks medium high tensile, Class 3 galvanized woven wire to give you a lower cost option. This still has much longer life than standard woven wire. Because the wire has more rebound, fence posts can be farther apart. The Horseman™ Fence, with Class 3 galvanizing, has 2" wide spacing on the vertical wires is held with a special "S" shaped knot wire. The vertical wires are uncut from top to bottom. Why waste future time and money with poorly galvanized wire?

Solidlock - Fixed Knot Fence, Graduated Vertical Spacing, FOB

LINE WIRES	HEIGHT	SPACING	ROLL LENGTH	CODE	PRICE
23	120"	6"	330 ft	WDN23-6	582.87
20	96"	6"	330 ft	WDN20-6	435.96
20	96"	12"	330 ft	WDN20-12	320.60
17	75"	6"	330 ft	WDN17-6	380.73
17	75"	12"	330 ft	WDN17-12	274.47
15	61"	6"	330 ft	WDN15-6	339.33
10	60"	12"	660 ft	WDN10-12660	383.33
10	60"	6"	330 ft	WDN10-6	281.73
13	48"	6"	330 ft	WDN13-6	277.97
9	49"	6"	330 ft	WDN9-6	229.58
9	49"	12"	330 ft	WDN9-12	158.48
9	49"	12"	660 ft	WDN9-12-660	302.03
8	42"	6"	330 ft	WDN8-6	204.69
8	42"	12"	330 ft	WDN8-12	144.77
8	42"	12"	660 ft	WDN8-12-660	289.49
Solidlock, 3" Spacing					
13	48"	3"	200 ft	WDN13-3	280.38
15	61"	3"	200 ft	WDN15-3	347.63



QUANTITY DISCOUNTS
Buy 6 or more rolls of same size get 5% OFF.
Phone for quotes on large orders.

Hinge Joint Fence, Medium Tensile, 330' Rolls

LINE WIRES	HEIGHT	SPACING	WIRE GAUGE	CODE	PRICE
10	47"	6"	12.5	WH10-6-12.5	173.60
10	47"	6"	14.5	WH10-6-14.5	123.05
8	32"	6"	12.5	WH8-6	142.59
7	26"	6"	14.5	WH7-6	82.94

Woven Wire does not qualify for free shipping.



V-Mesh Keepsafe™ Horse Fence
The RED-BRAND™ V-Mesh has long been recognized as the safest woven wire for horses, Alpaca and other high value livestock. The diamond weave pattern forms a strong but flexible mesh construction. This pattern prevents hooves and legs from becoming caught in the fence. 12.5 gauge horizontal and 14 gauge verticals. With recent production improvements, this fine product is NOW CLASS 3 GALVANIZED WIRE.

LOWER PRICE!

Keepsafe™ V-Mesh, Class 3 Galvanized			
HEIGHT	LENGTH	CODE	PRICE
50"	165 ft	WV50	355.75
DISCOUNT - 6 or more rolls			338.00
58"	165 ft	WV58	428.75
DISCOUNT - 6 or more rolls			407.50

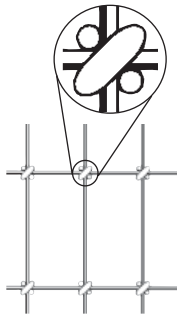
NEW



SHEEP & GOAT FENCE - REDBRAND™

4" x 4" mesh provides strong confinement and deters animals from putting their heads through the fence. The smooth side of Square Deal® Knot prevents injury to animals. With strong mesh design, the potential for injury is minimized by flexing upon impact. Class 3 galvanized wire will last more than 3 times as long as class 1 coating. Easy to install on flat or hilly terrain. Made in the United States with 100% American steel.

Woven Wire



2" x 4" Woven Wire Fence Class 3 Galv, 12.5 Gauge Soft Steel Wire			
HEIGHT	LENGTH	CODE	PRICE
48"	100 ft	WH4	141.53
48"	200 ft	WH4-200	283.20
60"	100 ft	WH5	175.73
60"	200 ft	WH5-200	351.14

Redbrand™ Sheep & Goat Fence Class 3 Galvanized, 48" Height		
ROLL LENGTH	CODE	PRICE
330 ft	WH4X4	254.25
DISCOUNT - 6 or more rolls		241.53
100 ft	WH4X4-100	81.75
DISCOUNT - 6 or more rolls		77.66

Tools & Accessories

Versatile Woven Wire Clamp (TSCV5) A recent innovation in stretcher bars! The USA-made TSCV5 is ideal for use with 2" x 4" Horseman, V-Mesh and Solidlock with 3" between the vertical stays. It also works well with all woven wire up to 61" tall. This clamp is gentler to the wire than the clamps that use wedges, but is slightly slower to use.



Stretcher Clamps (FOB)		
4 ft Wire Clamp, 5 wedges	TSC4	110.00
5 ft Wire Clamp, 6 wedges	TSC5	117.50
6 ft Wire Clamp, 7 wedges	TSC6	125.00
8 ft Wire Clamp, 9 wedges	TSC8	135.00
10 ft Wire Clamp, 11 wedges	TSC10	175.00
Replacement wedges	TSCW	8.50
62" Woven Wire Clamp, Robertson	TSCH5	145.00
64" Versatile Woven Wire Clamp	TSCV5	105.00



TSC6

Wire twister (TWTG) attaches to your electric drill to safely and neatly wrap wire ends. This tool gives professional-looking results as it joins overlapping wires and twists wire to securely lock pieces together. 3/8" drill required.



TCS with 20 ft chain

Other Accessories

Hayes Clamp Strainer/Chain Grab	TCS	115.00
Robertson Clamp Strainer/Chain Grab Walker	TCSR	105.00
Hand Wrap Tool - for close spaced openings	TWTL	1.25
Tightlock Installation Video	FREE SHIPPING	10.00

Wire Twister Tool	TWTG	325.00
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All non-electric style H-T fence should be built with wooden braces and line posts because wire tension and fence abuse is higher without electric. Even with non-electric style fences, we recommend several electric strands for training and keeping animals off the fence. It is safer for the animals to be away from the fence in case of a lightning strike. Because Kencove's wire should last thirty years, you should build your fence with posts that also last thirty years.

Southern Yellow Pine Posts are relatively straight, making them attractive and easy to drive. Staple driving and penetration of treatment chemicals is better for Southern Yellow Pine than denser woods. Kencove fences are normally built with green colored CCA pressure treated posts because they can be painted and are much cleaner, lighter, and less toxic to animals and people than creosote.

We recommend end and corner posts be 6 inch x 9 feet (6 inch minimum diameter, 9 feet long) for five foot high fences and 5 or 6 inch x 8 feet long for four foot high fences. All end and corner posts need to be four feet in the ground. A double H-brace assembly is normally used for H-T fences with over 6 wires. Besides the six inch end posts, there should also be a 5 inch x 8 foot and a 4 inch x 8 foot post in the ground, each eight feet apart. Between each brace post, a 4 inch x 8 foot horizontal brace post is held between the top two wires by 3/8 inch diameter galvanized brace pins. The

The Post Hole Tamper is designed to pack dirt and stone tightly around end and corner posts. This is made in New Zealand where hand set brace posts are common. They are built very strong in a large part due to hard tamping. A galvanized pipe is the handle coming off the cast base.

Tamper	TAMP	37.50
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Super-Duty Post Hole Digger

Digs post holes of all sizes. High-tensile pivot bolt and bushing for long life. Operator can easily remove soil and stones from full depth holes with ease. Stainless steel blades for easy soil penetration and root cutting. Cuts digging time in half!

Post Hole Digger	THD	175.00
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most popular 12½ gauge high-tensile fence built for cattle in Kencove's area is six wire. For six wires or less, a single H-brace assembly is common - consisting of a 5 inch x 8 foot end post and two 4 inch x 8 foot posts. Fence installers commonly cut the horizontal brace rail to properly fit between the vertical brace posts. Try not to cut the horizontal shorter than 7½ feet - the shorter the horizontal post, the greater the risk of the end post being lifted.

Line Posts are usually 4 to 5 inch x 6½ to 8½ feet spaced fifteen to thirty feet on center for eight wire fences. For electric six wire fences, 20 to 60 feet between the line posts is common. One to four wire spacers may be put between line posts on these fences. This allows for fairly good security if the electric is off for a few weeks. If spacer costs are higher compared to line post cost, having 15 to 25 feet between line posts is an option. A smaller post, like the 3½ inch x 6½ foot post, can be used for these fences. Electric fences can be built with fewer and lighter line posts - fifty foot centers are common.

Although Kencove keeps several trailer loads of posts in stock, these are mainly picked up by local customers, rather than shipped great distances. Kencove can ship a 40,000 lb. load directly from the post treating plants. Line posts normally are 25 to 55 lbs each, while end posts range from 70 to 140 lbs each. Sometimes we can split a load between 2 customers. Generally, there is a greater savings by buying by full truck load.

ACQ treating is available. Please call for pricing.

CCA-Treated Post Prices - FOB Earl Park, IN

Size	Bndl Qty	Code	Each	Bundle	4-Bndl
4-5" X 6.5' POST	60	PM4I	7.26	6.78	6.29
4-5" X 7' POST	60	PV4I	7.71	7.20	6.68
4-5" X 8' POST	60	PC4I	8.39	7.83	7.27
5-6" X 8' POST	45	PC5I	11.54	10.77	10.00
6-7" X 8' POST	35	PC6I	16.17	15.09	14.01
6-7" X 9' POST	30	PC9I	18.15	16.94	15.73
5-6" X 10' POST	45	PC510I	16.05	14.98	13.91
5-6" X 12' POST	35	PC512I	20.10	18.76	17.42

CCA-Treated Post Prices - FOB Blairsville, PA

Size	Bndl Qty	Code	Each	Bundle	4-Bndl	15-Trail
4-5" X 6.5' POST	60	PM4	6.48	6.05	5.62	5.27
5-6" X 6.5 POST	45	PM5	8.58	8.01	7.44	6.98
4-5" X 7' POST	60	PV4	6.99	6.52	6.06	5.69
5-6" X 7' POST	45	PV5	9.35	8.72	8.10	7.60
4-5" X 8' POST	60	PC4	7.98	7.45	6.92	6.49
4-5" X 10' POST	60	PC1	9.75	9.10	8.45	7.93
5-6" X 8' POST	45	PC5	10.71	10.00	9.28	8.71
6-7" X 8' POST	35	PC6	14.78	13.79	12.81	12.02
6-7" X 9' POST	30	PC9	15.80	14.74	13.69	12.85
5-6" X 10' POST	45	PC510	16.88	15.75	14.63	13.73
6-7" X 10' POST	30	PC610	19.80	18.48	17.16	16.10
5-6" X 12' POST	35	PC512	21.00	19.60	18.20	17.08
5-6" X 14' POST	30	PC514	25.13	23.45	21.78	20.44
5-6" X 16' POST	30	PC516	29.25	27.30	25.35	23.79
1"x6"x16' Poplar Brd	105	PB16	8.40	7.84	7.28	6.83

WARNING...WARNING...WARNING

CCA and Creosote should be handled with care. Wash exposed skin areas thoroughly after contact and before eating, drinking or using tobacco products. Toxic chemicals may be produced as part of the smoke or ashes when burning treated wood. Wear a dust mask, gloves, goggles, and hearing protection when driving or sawing treated wood posts. Launder work clothes that may have accumulated preservatives or treated sawdust before reuse; wash separately from other household clothing. Hazard warnings for untreated wood are similar to those for treated wood.

- Airborne wood dust can cause respiratory eye and skin irritation.
- Breathing excessive amounts of treated or untreated wood dust has been associated w/ nasal cancer in some industries.
- Handling may cause splinters.
- High levels of airborne wood dust may ignite and burn rapidly in the air if exposed to an ignition source.
- Some forms of components of the liquid preservative used to manufacture this product (arsenic and chromium) has caused lung, skin and possibly other cancers in humans occupationally or environmentally overexposed.



Pulls posts easier than traditional pullers. Reverse hammer action breaks posts free. Internal slide driver reduces injury when driving T-posts. Hardened alloy steel surfaces for long life. No damage to post or post top. Ideal for tall posts - keeps posts straight.

T-Post Driver/Puller FOB TPDP 195.00

A spring-loaded, tube-type **T-Post Pounder** is a major improvement of the original version. This driver provides an easy way to set steel T-Posts and ground rods in virtually any type of soil. Once the up and down driving pattern is established (simply begin by pushing down repeatedly), the internal spring will "lift" the driver to the top position. Pulling down on the handles drives the post in and the spring returns it to the top.



T Post Pounder FOB TPD 49.50



An easy-to-use **T-Post Puller** will remove old posts with little effort. This steel unit has an easy to attach plate and a wide base. Post extraction is accomplished by lifting the handle to the up position and slipping the plate around the post. Pushing down on the handle lifts the post out of the ground. Multiple lifts may be needed if the post is deep in the ground.

T Post Puller FOB TTP 35.00



Hot Dip Galvanized "T" Posts

Studded, galvanized T-Posts have a plate to ensure driving stability and post alignment. In good ground you can put 12' wood posts up to 100' apart with 4 galvanized "T" posts in between. With shorter high tensile woven fence it is possible to go even farther between posts. The life of galvanized wire will be shortened if you use a non galvanized "T" Post.

Galvanized T-Posts

5 ft	PT5P	5.20
6 ft	PT6P	6.20
7 ft	PT7P	7.15
8 ft	PT8P	8.05
10 ft	PT10P	11.75
11 ft	PT11P	12.50
12 ft	PT12	12.31
12 ft	PT12P	13.50



FTC

Steel T Post Clip, 25/pk FTC 1.00

Wire Twisting Tool, rod type TWT 3.00

Kencove Short Flat Steel Tool TWTL 1.25



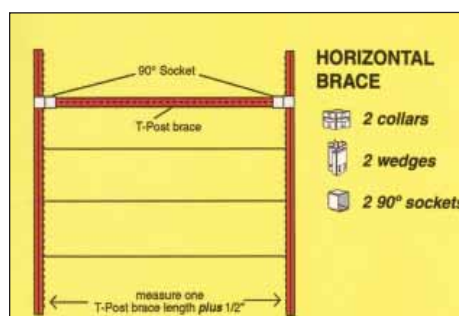
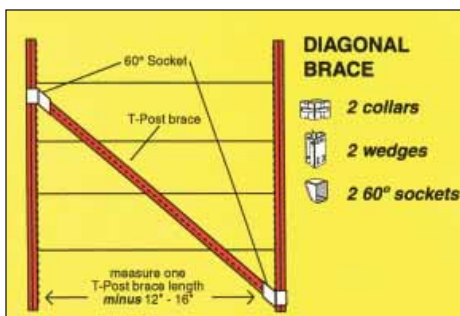
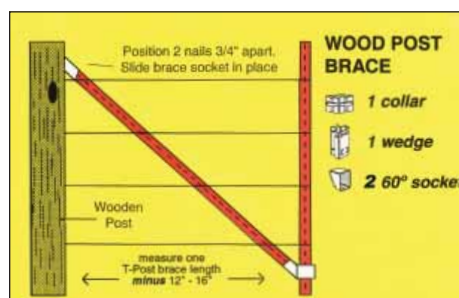
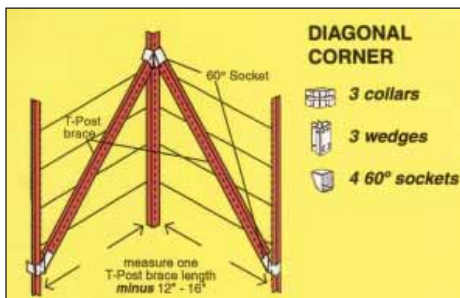
Safe-T-Post Caps™

are designed to protect animals from sharp edges and increase visibility. The caps conform to a wide range of steel post sizes and are made of a tough, UV-resistant material. Their unique design and elasticity makes these caps easy to install and causes them to grip tightly to the post.

Safe-T-Post Caps, 25/pk PTC 8.75

Wedge-Loc™ T-Post Bracing System

Wedge-Loc™ T-post bracing hardware is a versatile system which allows you to erect end and corner assemblies economically in less than 15 minutes! Wedge-Loc™ hardware fits all steel T-posts and works with most other types of fence material. Build a fence for rotational grazing, temporary pastures, snow fence, or trellising... virtually any kind of permanent and temporary fencing that needs to be braced.



Universal collar to hold bracing sockets	HWC	1.39
Heavy Wedge to lock collars in place	HWW	1.39
60 degree Socket for diagonal braces	HW6	1.26
90 degree Socket for horizontal braces	HW9	1.26
Gate hinge set fits up to 8' gates	HWG	16.75
2x4/2x6 Holder	HW2H	6.25
Plywood Holder	HWPH	4.80
Universal Brackets	HWUB	6.25

It is hard to believe how fast and easy installing fence posts can be until you have used a hydraulic post driver. Hydraulic post drivers make installing fence posts fast and easy. With the right soil conditions, it can take less than 2 minute to drive each post. Using a post driver your posts are set and secure instantly - and your fence line can be ready for wire installation the next day. Tilt adjustments help drive posts straight and true on almost any terrain.

Drive the small end of the post into the ground so it will wedge tightly. It is possible to drive railroad ties into the

ground, without sharpening them, in normal moist soil. Please be careful and wear eye, ear and dust protection when operating a post driver.

Kencove sells several different contractor grade drivers designed to give many years of rugged service. The side shift 3 pt mount, truck mount and skid-steer units are very quick. For those applications where higher fences are needed, Kencove offers KingHitter 16' high beam hydraulic cable operated drivers.

Kinghitter Post Drivers

This New Zealand made post driver will drive longer, twelve to fourteen foot posts with ease. Available with a folding beam, side slide shift, pilot auger and/or spike as options, this post driver can be adapted to all types of post pounding situations. Rear mount and skid-steer mount are available - call for details and a delivered price.



King Hitter Post Drivers, 12'6" Mast Height (FOB)

	Valve Banks	Hammer	Max Post Height	Code	Price
Series 1, Fixed Legs		450 lb.	9'	PDKS1	3650.00
Series 2, Deluxe	4	550 lb.	10'	PDKS2B4	5895.00
Series 2, Deluxe	5	550 lb.	10'	PDKS2B5	6250.00
Series 2, Deluxe	6	550 lb.	10'	PDKS2B6	6550.00
Series 3, Deluxe	5	550 lb.	10'	PDKS3B5	8695.00
Series 3, Deluxe	6	550 lb.	10'	PDKS3B6	9150.00

King Hitter Post Drivers, 16' Mast Height, Hinge Beam (FOB)

	Valve Banks	Hammer	Max Post Height	Code	Price
Series 2, Deluxe HB	4	550 lb.	14'	PDKS2HB4	6995.00
Series 2, Deluxe HB	5	550 lb.	14'	PDKS2HB5	7295.00
Series 2, Deluxe HB	6	550 lb.	14'	PDKS2HB6	7650.00
Series 3, Deluxe HB	5	550 lb.	14'	PDKS3HB5	9795.00
Series 3, Deluxe HB	6	550 lb.	14'	PDKS3HB6	10350.00
Series 2, Fencetec	5	650 lb.	14'	PDKS2FB5	10350.00



King Hitter Accessories, FOB

Skid Steer Mounting Plate (Series 2)	175	PDKMP	745.00
Pilot Auger Kit NO Augers Included	88	PDKAK	2300.00
4" Auger & Tip (to 2" @ \$475.00)	12	PDKA4	455.00
5" Auger & Tip (to 10" @ \$595.00)	15	PDKA5	475.00
Hyd. Rock Spk. Kit (combo \$4745.00)	343	PDKRK	2795.00
3.5" Rock Spike (2.5" - 160# - \$445.00)	187	PDKR3	545.00
5" Rock Spike	352	PDKR5	725.00
Hyd. Power Pack	66	PDKPP	2425.00
Beam Hinge Kit (included in 16' price)	38	PDKBH	850.00
Safety Guard (Series 2 or 3)	20	PDKG	550.00



The PD8, PD10 AND PD12 Postdriver.com drivers, made by Shaver Manufacturing, are fast and powerful. They are built for durability and easy maintenance. The compact size allows for easier storage, transport and maneuvering. Built by the same company that developed the first powered post driver over 50 years ago, they are a trusted, reliable source for quality machines.

Post Drivers do not qualify for free shipping.

Postdriver.com Post Drivers with Safety Arm, FOB

Post Driver PD8	PDSHD8	1676.00
Post Driver PD8 Hydraulic	PDSHD8H	2532.00
Post Driver PD10	PDSHD10	2772.00
Post Driver PD10 Hydraulic	PDSHD10H	4076.00
Post Driver PD12	PDSHD12	5224.00
Safety Arm Attachment*	PDS9SA	100.00

Prices above do NOT include mounting bracket.

*Drivers now include a safety arm to replace the hand-held post holder. Attachment can be purchased separately for older models.

Replacement parts and fittings available for all models; call for pricing.



New Safety Arm (PDS9SA)



Posts - Gates

Steel/T-Post Driver Attachments

For PDS8	PDS8SPH	56.00
For PDS10	PDS10SPH	64.00
For PDS12	PDS12SPH	68.00

Concrete Breaker

For PDS8	PDS8CB	84.65
For PDS10	PDS10CB	144.00
For PDS12	PDS12CB	188.00

Mounting Brackets, FOB

	PD8/PD8H	PD10/PD10H	PD12
3 Pt Mounting Bracket with Manual Stabilizer Package	(PDS8MB) 300.00	(PDS1MB) 380.00	(PDS1MB) 380.00
Self Contained Mtg Package with Stabilizer Package	(PDS9SCMP) 2632.00	(PDS9SCMP) 2632.00	(PDS9SCMP) 2632.00
Skid Steer Mtg Bracket - Plastic	(PDS8SMBP) 1264.00	(PDS1SMBP) 1264.00	(PDS1SMBP) 1264.00
Skid Steer Mounting Bracket - Steel	(PDS8SMBS) 604.00	(PDS1SMBS) 604.00	(PDS1SMBS) 604.00

Kencove has **Replacement Driver Springs** made to fit the Shaver, Worksaver and Kiwi post drivers. We have had customers say our springs last much longer than the OME springs. The (PD10S) and (PDKS) have a soft plastic tube inside to dampen oscillations after the driver hits a post.

Replacement Driver Springs (with ends)

HD-8/HPD-16	PD8S	27.50
HD-10/HPD-20	PD10S	52.50
HD-12/HPD-24	PD12S	99.50
Kiwi Post Driver	PDKS	57.50



Spring Ends

HD-8/HPD-16	PD8E	2.00
HD-10/HPD-20	PD10E	2.00
HD-12/HPD-24	PD12E	17.00

Model	PD8/PD8H	PD10/PD10H	PD12
Impact	30,000 lbs.	71,500 lbs.	100,000 lbs.
Effective Weight of Hammer	360 lbs.	725 lbs.	1100 lbs.
Operating Height	53" - 126"	53" - 128"	53" - 128"
Hydraulic Base Plate	Standard	Standard	Standard
Man. Stabilizer Pad	Standard	Standard	Standard
Max Post Width	7-1/8"	8-3/4"	10-7/8"
Max Post Length	10'	10'	10'
Tilt	15° /15°	15°	20°/25°
Hydraulic Requirements	3-4 GPM 1500 PSI	12 GPM 1500 PSI	15 GPM 200 PSI
Mounting Options	Front, Rear or Skid Loader	Front, Rear or Skid Loader	Rear or Skid Loader



Consider how often your gates have been demolished by high strung animals or by rust. All 2" gates are supplied with 2 Gate Hinge Clamps (GH2) and 2 Gate Hinge Bolts 3/4" diameter 12" long with 2 nuts and washers (GHB). All gates are made 6" shorter than the listed size to allow for hinges and latch. You need to decide how you want the gate to swing. If you want it to swing 90° in both directions, then it is best to have a post to keep the gate from going too far and binding at the hinges. The post also allows the gate to be held open. If you want the gate to swing completely open against the fence, the hinges will need to be 90° to the one side of the end post.



1 5/8" Diameter Tube Gates are lighter than our 2" gates, but still stronger than most! These 6-rail 50" high gates are hot-dip galvanized after fabrication. They feature plastic plugs in the vertical tubes and a hardware package that includes 2 lag screws, 2 clamps (the lower clamp is premounted for easy installation) and a hot dip galvanized chain.



Hot-Dip Galvanized Gates should stay attractive without painting for 30 to 50 years. The tough 2-inch tube can take tremendous abuse without damage. These gates are hot-dip galvanized after fabrication for ultimate corrosion protection. A chain slot-type catch is welded onto each gate. A chain (not included) can easily be used to hold gate open or shut. Hinges and chain latch included.

1 5/8" Tube Gates, FOB - PA			
4 ft (3'6")	50"	GRL4	49.50
6 ft (5'6")		GRL6	65.50
8 ft (7'6")		GRL8	79.50
10 ft (9'6")		GRL10	89.50
12 ft (11'6")		GRL12	99.50
14 ft (13'6")		GRL14	119.50
16 ft (15'6")		GRL16	129.50

HD Galvanized 2" Tube Gates, FOB		
4 ft (3'6")	GR4	55.55
6 ft (5'6")	GR6	71.75
8 ft (7'6")	GR8	99.75
10 ft (9'6")	GR10	108.75
12 ft (11'6")	GR12	129.75
14 ft (13'6")	GR14	138.75
16 ft (15'6")	GR16	164.75



Have your gates open for you every time! No need to get out of your vehicle to open and close the gate anymore. Kencove

now stocks **Automatic Gate Openers** in single and double swing styles. A full set of access control, hardware, power, and security accessories complete the installation. With a built-in theft deterrent alarm, obstruction sensing audible gate movement alert and auto-close feature, these units are the most powerful do-it-yourself gate opener kits available.

Use with swing gates up to 16-feet long and 750-pounds. Works with solar panel charger if AC power is more than 1000-feet from gate. One year limited warranty.



Automatic Gate Openers

GAGAS1	Auto Opener, Single	GAGS	495.00
	Auto Opener, Double	GAGD	735.00
	Opener Sensor, Buried	GAGAS1	189.00
GAGAP1	Opener Transmitter	GAGAT1	29.95
	Opener Wire, per ft.	GAGAW1	.40
	Opener Pinpad, Digital	GAGAP1	61.95

Wire Gates (GRW)

New hot-dipped, galvanized gates with 2" x 4" spacing of welded wire, great for use with any woven wire fence. Ideal for horse and sheep fence. Gates come with chain, 2 gate lag screws and 1 hinge clamp. Second hinge clamp is welded on the bottom of the gate for easy installation.

Wire Gates, FOB		
4 ft.	GRW4	45.95
6 ft.	GRW6	59.95
8 ft.	GRW8	81.25
10 ft.	GRW10	95.75
12 ft.	GRW12	111.25
14 ft.	GRW14	132.00
16 ft.	GRW16	147.95
18 ft	GRW18	164.50



Deer Gates, made with galvanized tubing with zinc coating, have 6 gauge, 4x4 mesh panels welded at the gate frame. Three heavy-duty hinges with 12-inch bolt hook. All bars are saddle notched for superior strength.



Deer Gates, FOB			
4 ft.	44 lbs.	GDG4	156.50
6 ft.	66 lbs.	GDG6	177.25
8 ft.	88 lbs.	GDG8	215.75
10 ft.	110 lbs.	GDG10	237.50
12 ft.	132 lbs.	GDG12	275.25
14 ft.	154 lbs.	GDG14	298.50
16 ft.	176 lbs.	GDG16	338.50

Also see spring and tape gates on page 31.



New Zealand style **Chain Gate Hook**, (GNZL) is a simple catch for standard steel or wooden gates. It consists of an oversize staple installed on a post and a spring locked loop of steel connected to the gate with a short piece of chain. The hook snaps onto the staple.



Gate Hook	GNZL	7.75
Gate Hook, Economy	GNZLC	4.95

Cam Lock Gate Latch

For tightening and latching flexible gates made from woven fence wire. This latch is bolted to the post. Loop the wire to a pipe. This has 2 hooks that catch the pipe. Use the 60 inch unit for the 8 foot wire.

60" Cam Latch Gate,FOB	GL60	55.00
36" Cam Latch Gate,FOB	GL36	55.00



A **Gate Wheel** (GW2) helps take the work out of opening and shutting heavy gates. The end post is not stressed with having to support the weight of the gate. Bolts onto 1 5/8" to 2" round tube gates.

Gate Wheel	GW2	19.50
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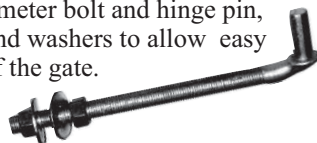


JR Sure Latch -Pin Lockable (GLJR) for use on gates with 1 1/4" - 1 1/2" O.D. round tube. Features one-handed operation and can be padlocked for added security.

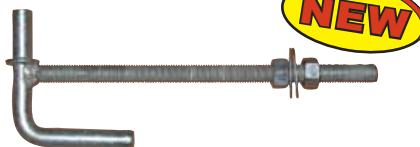
JR Sure Latch -Pin	GLJR	16.25
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Bolt-on Hinge Clamps for 1.5" and 2" HD Tube Gates both fit 3/4" hinge pins.

12" Gate Hinge Bolts (GHB) come with 3/4" diameter bolt and hinge pin, with 2 nuts and washers to allow easy adjustment of the gate.



Hot-Dip Galvanized Heavy Duty Tube Gate Hinges, FOB		
Hinge Clamp for 1.5" Gate	GH15	2.95
Hinge Clamp for 2" Gate	GH2	2.95
12 in Gate Hinge Bolt	GHB	4.85



12" Locking Gate Hinge Bolt has extra shaft to secure the bolt to the post. This stabilization is useful for long or heavy gates to prevent rotating the hinge in the post. Hot-dip galvanized (class 3). Comes with 2 nuts and washers.

Locking Gate Hinge Bolt	GHBX	8.75
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Sure Stop Gate Anchor (GLA) holds gate open in any position while you drive, walk or run livestock through the gate. It prevents gate end from sagging or swinging.

May also be used horizontally as a slide latch.

Sure Stop Gate Anchor	GLA	14.50
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The Sure-Latch Gate Latch (GLL) is a high quality two-way livestock gate

latch that will fit all tube gates with 1-5/8 to 2 inch outside diameters. This durable latch will help prevent gate ends from sagging and allow the gate to open in either direction. Simple to install and easily operated with one hand, even from horseback or with gloves on. This can be padlocked.



Sure-Latch Gate Latch	GLL	19.75
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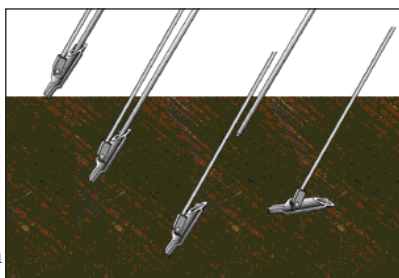


One Way Latch with Pin (GL1) fits gates with 1 5/8" - 2" O.D. round tube. This durable latch prevents gate end from sagging or swinging and features one-handed operation.

One Way Latch w/ Pin	GL1	16.95
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Earth Anchors

The DB6 is the most popular anchor. These anchors are easy to install using a 1/2 or 5/8 inch ground rod with either a pipe type steel post driver or a sledge hammer. Connect the guy wire to the anchor first. Then put the drive rod into the hole in the end of the anchor and drive it into the ground at the angle from which it will normally be pulled. Remove the drive rod and pull up on the guy wire until the anchor has turned 90 degrees at the bottom of the hole. You can tell it is in position when you are unable to pull it out by the guy wire. The rated hold is for firm soil; it can be less in soft ground.



Earth Anchors		
DB-40 250 lb hold	DB4	1.95
DB-68 1100 lb hold	DB6	3.80
DB-88 3000 lb hold	DB8	9.40

A loop of Stainless Steel wire (DSC) tightened with an EZ-Daisy (SSDN) tightener makes a nice non-rusting guy wire. Regular galvanized wire, while long-lasting above ground, is not recommended for underground applications. Another option for guy wires is plastic 8 gauge wire. With a rated breaking strength of 1130 pounds, it works well where electric wires may contact it. It also works well for landscaping applications. Crimping nylon guy wire with C45 sleeves or using the large Quik-Splice (CWL5063) will reduce breakage and create a clean appearance.



Earth Anchor Drive Rods		
For DB-68 - 1/2" x 32 1/2"	DB6DR	7.95
For DB-40 - 1/4 x 2 ft	DB4DR	3.75

Guy Wire		
Stainless, 11.3 gauge, ft	DSCFT	.20/ft
Stainless, 11.3 ga, 10 ft coil	DSC10	2.00
Nylon, 8 ga., 1130 lb break	DW152	.16/ft



CYCLIC WAVE™ Technology

Stafix's Cyclic Wave patented technology provides more energy and power on your fence line through the delivery of clean effective pulses. The CYCLIC WAVE™ is a single cycle wave form that maximizes the amount of energy that can travel down the fence wire. This provides a significant increase in performance with maximum efficiency, shocking and stopping power. When there are problems with radio and telephone interference nearby, try one of these chargers. We have had customers see major improvements even when comparing to other New Zealand high power chargers. Cyclic Wave Technology can be used in bipolar fencing which works well in poor or dry grounding conditions. The Stafix EX36 automatically senses the input voltage so it can use either 120 volts or 240 volts. All of Stafix's energizers carry a 2 year warranty.

Stafix NOT CyclicWave Energizers

.5	110	EX05	95.00
1	110	EX1	125.00
2.5	110	EX25	195.00



The **Kencove 15** (EK15), fifteen output joule (20 stored joules), is the most powerful American made charger Kencove has sold. This charger makes the filaments of eight 100 watt light bulbs glow dimly in a darkened room. The real power

shows up in large heavily weeded fences. These chargers have been doing very well. A one year warranty covering lightning is standard. A storm guard comes free with the charger. This greatly improves lightning protection. It is required to be operational for the lightning warranty to be in effect. The storm guard itself is not guaranteed. The plastic case allows easy module replacement.

Kencove 15	EK15	364.00
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The **Kencove 4** combines a reasonable price with state of the art technologies. Featuring a digital display that tells you how many volts are on the fence and another digital display that shows how much voltage is lost due to shorts and load on the fence line. A flashing light either red or green lets you know from a distance if you have a problem. Choose from either full or half power knobs, conveniently mounted on the bottom of the unit. With German engineering and a **THREE YEAR WARRANTY** this 4 output joule unit is a very good value.

Kencove 4	EK4D	182.00
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The **Kencove 6** (EK6Z), is a powerful, American-made six joule charger. Overall the components are heavier built than most American chargers. The real power of the Kencove 6 shows up in large heavily weeded fences. This charger makes the fila-

ments of four 100-watt light bulbs glow dimly in a darkened room. A one year warranty covering lightning is standard. A storm guard comes free with the charger and is required to be operational for the lightning warranty to be in effect. The storm guard is not guaranteed. A second year warranty, including lightning, is available for \$30. The plastic case allows easy module replacement. Most American made chargers lack the output controls the NZ chargers have. A spike in the already high voltage pulse can start a sparking problem at tube insulators and underground cables. The free Storm Guard greatly improves lightning protection by stopping excess voltage problems.

Kencove 6 with FREE Storm Guard	EK6Z	180.00
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Stafix CYCLIC WAVE™ Energizers

Description	Joule	Volt	Code	Price
M6	6	120	EX6	675.00
M36 -Low Price	36	120	EX36	1050.00

Stafix Energizers - Remote Control Ready

M12R	12	120	EX12R	675.00
M20R	20	120	EX20R	795.00
M36R	36	120/240	EX36R	1225.00
Remote Control / Fence Tester			VPXR	170.00

EM1



The **SE-3 Charger** (EM1) has a color coded meter built in to warn when the fence needs maintenance. The low price makes this powerful unit very easy to justify, especially considering the one year guarantee which even covers lightning damage. The SE-3 has about two joules of power and the Mark 6 (EM4) has about one joule.



SE-3 charger	EM1	119.50
Mark 6	EM4	99.50



Horse Surround - 120 volt input, approximately .10 joules, pulsed charger for garden, pet fences, and small pastures.

Horse Surround	EMH	55.50
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Many hours of fence checking and animal chasing can be saved with a good, high-power charger. It is hard to compare fence chargers. Joules were a common denominator for rating imported chargers eighteen years ago. However companies seem to be very innovative in determining joule ratings. Stored joules of a charger translate into fewer output joules. Kencove has always liked to test the products before believing fence charger claims. Incandescent light bulbs in a series connection across the ground and hot terminals is a good method to compare actual power output on most chargers.



Battery Powered Chargers

Battery chargers are normally used where 120-volt main power is not accessible or where portability is needed. Due to smaller ground fields, these units are less likely to be damaged by lightning. Because they require a battery, battery charger and often a solar panel, battery units generally cost more and require more maintenance than the same power rating in the 120 volt units. The lower powered units (ECY/EAN/ECD) are normally able to run a month or more on a set of D cells or 12 volt battery recharge. Larger units can drain batteries quickly so solar panels and/or big marine batteries are normally recommended. Using better insulators and underground wire is good practice for all lower powered chargers.

Portable fence energizers are ideal for short installations. They can be used on permanent high tensile or conventional electric fence. These chargers are especially handy for intensively managed grazing where the animals are moved frequently into different, relatively small pastures. In this practice only small lengths of fence need to be hot and much of that is portable (using electric twine and plastic posts). Gardens, dog confinement training, camping, round bale storage and feeding, security - the list keeps going - these portable chargers are really handy. Kencove's portable chargers have normal speed pulse settings for animal training. For extended battery life, the pulse speed can be slowed. Expect 3 or 4 weeks of battery life from flashlight batteries ("D" cells).

The **Yellow Jacket** (ECY) is made in the USA. It has a clamp on the back to allow it to be mounted directly to a ground rod/steel rod post while supporting the hot fence wire. Although this unit is a bit heavier than the New Zealand portables, it puts out up to .25 joule (with 12 volt input) which is better than most larger battery units made in the USA. Like the NZ portables, the Yellow Jacket can easily be hung from the electrified wire/twine. Lead sets for 6 or 12 volt batteries are included with units.



The **Little Demon Energizer** (ECD) from O'briens NZ comes complete with a long lasting air alkaline battery and a mounting stand that doubles as a ground rod. This battery can last up to 40 weeks when the battery saving irregular pulse mode is used. Use the regular pulse setting until stock is trained or for predator control.

FREE SHIPPING



Strip Grazers			
Yellow Jacket	ECY		77.50
AN90	EAN		97.00
AN90 w/Stake	EANS		109.00
Little Demon Energizer	ECD		89.50

EANS

Parmak's Magnum 12 UO (EM2) is one of the better values in non-solar 12 volt fence chargers. It is low cost, has good battery life, and power output is relatively good.



Magnum 12 UO (unit only)	EM2	85.50
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Stafix Battery-Powered **CYCLIC WAVE™ ENERGIZERS** use a microprocessor to automatically adjust the power required from the battery depending on the fence condition. It only draws as much power as needed to maintain adequate fence voltage. These units are designed for longer runs of fencing. They are a good value if you need high output power. However, high outputs require a lot of battery power. Do not use these units unless you have a good system for recharging the battery several times a week. Amish farms with battery recharging systems already in use do well with these units.



Stafix CyclicWave™ Battery Energizers

JOULE	Solar Panel (not included)	CODE	PRICE
6	30-92 watt	EXB6	488.00
12	92-138 watt	EXB12	765.00
18	138-210 watt	EXB18	935.00

Stafix NOT CyclicWave™ Energizers

0.5		EXB05	
1	13 watt	EXB1	169.00
2.5		EXB25	250.00

NEW

Kencove Portable, Battery-Operated Fence Energizers



from AKO, combine a reasonable price with state of the art technologies. The power adjustment knob gives a wide range of power to control output for your specific application, or to extend battery life. The battery indicator light flashes red when battery power is low; green LED indicator flashes when voltage is above 3500 volts. The handle makes this unit easy to carry, but weight becomes a factor after adding a 12 v battery.

A lot of time and effort can be saved by adding a solar panel. These specially designed kits come with panel, mounting bracket and hardware. With German engineering and a **THREE YEAR WARRANTY** - these units are a very good value.

Kencove Portable Energizers

2 Joule	EKB2P	195.00
3 Joule	EKB3P	249.00
Trickle Charger	MTCES2	19.85

Solar Kits

10 Watt	EKBS10	149.50
18 Watt	EKBS18	269.50
25 Watt	EKBS25	349.50



Kencove Battery Energizers

The new battery energizers have a switch for output adjustment; select full or half power to best fit your application. Similar to the portable units, a red indicator light flashes when battery power is low; green LED indicator flashes when voltage is above 3500 volts. A port for plugging into 110/120v adapter or solar panel is standard on all units. Three year warranty.

Kencove Battery Energizers

1 Joule	EKB1	135.00
3 Joule	EKB3	195.00
Trickle Charger	MTCES2	19.85

Strip Grazers & Solar Chargers



Electric Fence

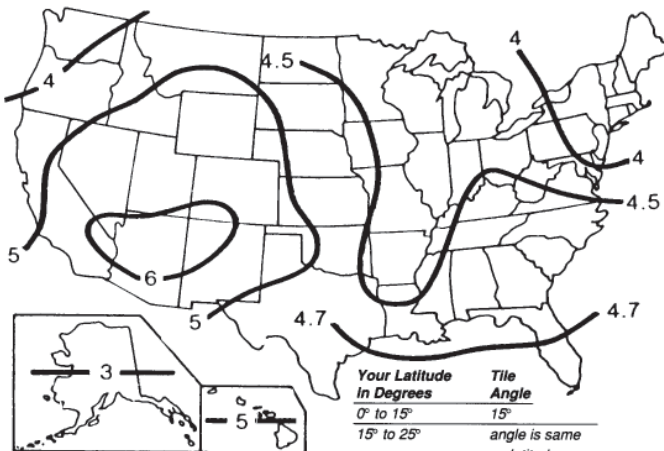
Solar Powered fences are not a magic relief from electric bills. The 120 volt chargers generally do not use enough power to see a difference on an electric bill. Most solar chargers cannot handle much weed load because they only have a small gel battery with a two to five watt solar panel.

After a few years it is common to need to replace the battery. If there is a problem on a new solar charger, be sure the panel is not in the shade and is directly facing the sun at noon. Initially, allow the solar panel to charge the battery in the sun a couple days before use. In some winter seasons there is too little sun. A taper charger may need to be used overnight every 1 to 4 weeks.



The **AKO S200 12 Volt Solar (ES2)** unit is handy to install or move, it comes with a ground stake which mounts into the back of the charger. This is our lowest priced 12-volt solar unit, yet has the longest warranty. It has .2 output joules, (.25 stored joules). This charger can operate up to 2 weeks with no sun. Two easy-to-see lights warn if voltage is low on the fence, or the battery is run down. A separate port for plug in charging gives this unit a feature we haven't seen in other solar units. (Charger/adaptor sold separately.) A very rugged energizer with a **THREE YEAR WARRANTY**. Made in Germany.

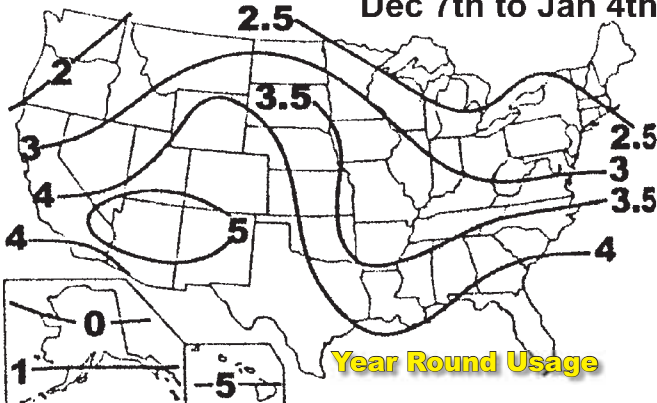
AKO S200, 12v	ES2	225.00
Charger for ES2	MTCES2	19.85



Seasonal Usage

Yearly average peak sun hours per day.

Average Sun-Hours per Day from Dec 7th to Jan 4th



Year Round Usage

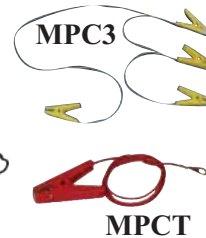


The **Parmak Magnum 12 Volt Solar** charger has been a very popular charger over the years. It has good power compared to many solar units. The meter on the front is handy to check the fence voltage. The steel case handles abuse well but it is a bit large to move frequently. Made in USA. Complete with battery.

Parmak Solar-Pak, FOB	EMS	295.00
Battery, FOB	MB12	54.95
Taper charger	MTC12	18.35



The **Power Connector (MPC)** is a jumper wire with two large, well insulated, stainless steel spring clips. It can be used instead of a switch. We use it as a better way to connect electric twine to a permanent electric fence. **NEW!** (MPCS) has 3 feet of our bare 19 gauge stainless steel wire attached directly to 1ss spring clip. Wrap the wire around a foot of twine to get a better connection. Color of clips may vary.



Power Connectors		
2 Clips	MPC	7.00
Clip Only -Red	MPCCR	3.00
1 clip, 36"	MPCS	4.75
1 clip, 36", term end	MPCT	4.75
Triple jumper leads	MPC3	17.75

Glass Solar Panels		
13 watt, glass	MSP13	90.00
Voltage regulator	MSR	22.00

Unbreakable Solar Panels		
42 watt, FOB	MSP42	293.45
64 watt, FOB	MSP64	424.00

Impact Resistant Solar Panels		
5 watt, FOB	MSP05	80.75
10 watt kit, FOB	MSP10KIT	223.86
20 watt	MSP20	215.00
40 watt	MSP40	293.45

Voltage Regulators		
1 amp regulator	MSR	22.00
6 amp, junction box	MSRSWIL6	40.28
6.5 amp, 12v external	MSRSS6	48.00
6.5 amp, LVD	MSRSS6L	58.00
4 amp	MSR4	38.72
10 amp	MSR10	99.58



An Inductive Loop between charger and lightning diverter can slow down lightning so it will be more likely to go through the lightning arrester instead of the charger. You can make your own with ten loops of insulated wire, ten to twelve inches in diameter, tied together. One end from the coil should go to the charger. The other end should go to the lightning diverter and the hot wires on the fence. Kencove has the insulated wire to construct this.

50' underground wire for lightning choke coil, FOB GU50 9.00



A **Preassembled Choke Coil (MLC)** is also available. It is normally attached to a fence post between the lightning arrester (MLA-I) and the charger. Mounting instructions are included with each unit.

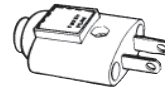
Lightning Choke Coil MLC 13.50

Kencove stocks the **Koltec Lightning Arrester (MLA-I)**, made of plastic and completely enclosed to protect it from weather. It can be mounted directly on the hot fence wire with its split bolt on top or fastened to a post with the enclosed mounting bracket. The bottom of the MLA-I should be connected to a bed of at least 4 ground rods. Lightning arrestors should be at least 40-50 feet away from the charger bed, and existing utility or house grounds.



Koltec Weatherproof MLAI 13.25

If lightning hits the electric service supplying your 120 volt charger, the **Power Surge Protector (MPS)** will help protect the charger. Simply plug the protector into a grounded outlet and plug the charger into the protector. It is designed to provide economical protection from power spikes and surges up to 6000 volts. This has a 210 joule and faster than 1 nanosecond (nano = 10⁻⁹) rating. The (MPS) also has a red light that indicates it is working. If the light is out, it has probably done its job and needs to be replaced. Sometimes it is difficult to change the fuses inside chargers. Replace the charger plug with a Fused Plug (MFP) and fuse replacement is simplified.



Power Surge Suppressor	MPS	5.75
Fused Plug	MFP	3.25
Fuse- 1 amp, fits most USA made chargers, each	AGC1	.40

A recommended lightning protection kit includes: choke coil and adjustable spark gap (MWLA), on a remote ground field. A power surge protector (MPS) is recommended for the 110-volt powered units.

The Porcelain Lightning Diverter (MLA)

helps protect chargers from damage. Run a wire from the hot line of the fence to one terminal of the arrester. Attach another wire to the second terminal on the arrester and connect that to independent ground rods. Several diverters are recommended on large fences with expensive chargers. Mild hits normally do not hurt the arrester. If you hear a clicking in the arrester when the fencer is running, either the arrester needs to be replaced or the charger's voltage may be too high.



Twin Tower -Porcelain MLA 7.00

A Choke Coil and Lightning Diverter Combination (MWLA)

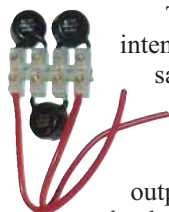
is attached to a post between the fence wire and the charger. The spark gap is adjustable and much larger to make it especially sensitive and effective.



Lightning Diverter/ Choke Coil MWLA 8.50

CHARGER REPAIR

Kencove's Technical Department can repair chargers damaged by lightning, insects and power surges. An in-house technician can also answer your questions regarding installation and troubleshooting.



The **Electronic Spark Suppressor (MSS)** is intended to improve lightning protection and does the same job as the output board on the New Zealand power chargers. It takes out the extra high voltage spikes in the pulse which causes undesired sparking. Voltage over the normal fencer output voltage is shorted down. There should be no load on the charger at 5000 volts.

Hook one wire to the ground terminal and the other wire to the hot terminal of the charger. This unit is much easier and less expensive to replace than repairing the charger when lightning strikes. If you want to use this outdoors, the (MSW) is weatherproofed. This can be used like a lightning arrester by hooking one wire to an independent ground rod and the other to the electrified fence wire.

Kencove's (MSS) is similar to the Storm Guard (MSG). The Storm Guard is able to handle more power, but is only for indoor use.

Spark Suppressors		
Regular	MSS	12.50
Weatherproof	MSW	18.50
Storm Guard	MSG	24.50

Energy Limiter/Flood Gate Controller (MEL)

It is not necessary to switch the bottom wire off when vegetative growth makes it hard to keep the fence hot - it will automatically reduce power while permitting the upper wires to stay hot. The wire will automatically become hot again when the short is sufficiently reduced.



Energy Limiter MEL 9.50

Voltmeters & Fence Monitors



Electric Fence

Voltmeters determine if there is sufficient voltage on the fence to control the animals. If fence voltage is lower than 2000 volts, check ground rods, wire connections, and the fence for shorts. A more powerful charger may be needed. Our Digital Voltmeter (VSXX) reads up to 9,900 volts on an easy to read LCD display using a nine volt battery (not included.) This is the most accurate fence meter we have tested. If your

budget cannot justify an expensive voltmeter, an economy version is also available. The Five Light tester is a minimum requirement to maintain an electric fence properly. The NZ chargers may show a strong spark while under 100 volts is on line. A single bulb neon tester can light with less than 100 volts.

NEW! The Electric Fence Probe (VPP) and Compass™ (VPX) are ideal when saving time is important or for areas where the problem just can't be found. These instruments give a digital readout of the fence voltage, the amperage flow and even the direction of the short. No wires are used with these. If you professionally install electric fence, you need one. The Compass™ has a large backlit LCD screen and beeper.

FREE SHIPPING




More rugged than other units, with brighter lights to increase visibility.



Voltmeters		
NZ Digital Voltmeter	VSX	67.50
Digital Voltmeter	VSXX	41.50
5 Lite Tester	V5L	10.75
Electric Fence Probe	VPP	108.00
Fence Compass™	VPX	99.00

The **Kencove Night Light (MNL)** is a fluorescent light that can be hung from an electrified fence wire or attached to a post. One Night Light wire (insulated galvanized steel) is attached to a hot fence wire with the included (CBT) tap and the other wire (stainless steel) goes to a ground rod (this ground rod does not have to be long - some people use a ten inch brace pin.) The light flashes with every pulse of the charger, making it easy to see if the fence is hot from a distance at night. It also warns animals to stay away from the fence. Our night light has been improved for better durability but it has no guarantee. If lightning hits the fence, at least remember Kencove's cost is much less than others.

Fence Monitors		
Kencove Night Light	MNL	21.00
Replacement Bulb	ZZN003	4.25



NEW! Stafix Fence Alert™ flashes when fence voltage drops below 1 of 2 preset voltage levels. Easily clips to fence. The battery lasts up to 5 years in standby mode and runs the strobe light for over 2 weeks.

Fence Alert	MFA	16.95
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Warning Signs & Fence Flags

There is a choice between 3 different electric fence Warning Signs. The **Kencove Sign (MFSP)** is yellow and provides good visibility. The Stafix (MFS) has plastic clips for attaching onto the fence wire and also has 5 holes for different attachment methods. The other sign is a bit smaller - four by eight inches with two holes on the top for hanging or nailing. All signs are printed "ELECTRIC FENCE" on both sides and are made of yellow plastic. Use the stainless steel spring type K-CLIPS® for secure hanging of the signs. The clips will keep the sign from sliding down the smooth wire.

For fence lines needing more visibility to livestock, wildlife or humans, consider using our **FENCE-FLAG®** warning device. Designed to flutter with the slightest breeze, these molded, bright white, oval shaped flags are suspended on a stainless steel, spring temper **K-CLIP®** that securely attaches with finger tip application to any style wire or twine fence line. They are packed in bags containing 12 stainless steel K-CLIPS® and 12 molded flags. Quickly and easily installed!



MFSP



MFF



MFS

Stafix Fence Sign Plastic Clip-on type	MFS	3.95
Electric Fence Sign Plastic	MFSD	1.05
Kencove Electric Fence Sign Plastic	MFSP	.75

K-CLIPS® grip the wire with spring action, stainless steel 50/pk	MFC	8.00
FENCE-FLAG® 12/pk with K-CLIPS® White	MFF	3.65



To utilize all the power available in Kencove's fence chargers, a good grounding system must be installed. A few feet of rod in the ground is not enough except for light portable chargers. If there are a lot of shorts on the fence and/or the ground is very dry, it is not uncommon to need more than three eight foot ground rods.

Ground rods should be 10 feet apart and at least 40 to 50 feet from other existing grounds. Stay away from water pipes (especially those going to drinking areas or buildings where the electric charge may affect livestock or people, like milking areas). The non-electrified wires can be connected to bring distant ground rods back to the ground terminal of the charger. Some installations require more than ten 8-ft ground rods.

Ground Rod Clamps		
Bronze 1/2"	MGCB2	1.75
Bronze 5/8"	MGCB5	1.75
Bronze 3/4"	MGCB3	2.00
Universal fits 1/4"- 1 1/4" breaks easily	MGCU	2.00



NEW! Hot-dip galvanized ground rod with attached driver (MGQ) to easily install and remove the rods. Ideal for use with portable chargers.

A pipe-type steel post driver works well for installing ground rods. If you encounter shallow flat rock, try driving the rod in at an angle. When it hits the rock, hopefully, it will follow along the top of it. Most ground rods listed are hot dip galvanized, but we do stock some copper clad rods. Cut them in half if you can't drive them fully into the ground and install twice as many. Kencove's ground clamps are designed to work underground with stainless steel or copper ground wire. This may save some mower blades. Underground cable can also be used to connect ground rods but keep the connection (bare galvanized steel wire) above ground so it doesn't rust away quickly.

Ground Rods - Galvanized		
1/2" x 3", FOB	MG3	3.75
1/2" x 58", FOB	MG5	5.75
1/2" x 6", FOB	MG6	6.50
5/8" x 8", FOB	MG8HD	8.75
Ground Rods - Copper Clad		
5/8" x 8", FOB	MC8HD	10.80
Ground Rods - Stainless Steel Clad		
5/8" x 6.5', FOB	MGSS6.5HD	11.75
Ground Wire		
Copper 6 ga. FOB	MGWFT	.36/ft
Stainless 11.3 ga	DSCFT	.20/ft
Portable Ground Rod with Driver		
Quik Ground	MGQ	9.95

Lead-Out Wire

Burying insulated wire at gates is often better than running a wire overhead (which may not always be high enough) or using a removable electric gate wire (connections are poor for high power and the electric is off when the gate is open).

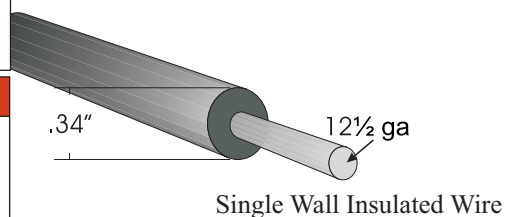
Put the wire inside plastic water pipe to protect it from damage if the gateway becomes rutted. It is advisable to seal the ends of the pipe with electrical putty to prevent water from entering or lying in the pipe. The pipe will also allow easier wire replacement if a short develops. The use of standard electrical wire is not recommended for use with fence chargers due to low voltage ratings. The 12 1/2 gauge wire should last longer and conduct better than the 16 gauge. Lightning can damage underground lines; watch for problems here. We also stock a single insulated, 12 1/2 gauge, heavy wall wire that is more economical than the double insulated variety.

Double Lead-out Wire has 2 heavily insulated soft galvanized steel wires protected within a white sheath. Use this for putting the bottom insulated wire on a separate switch so when the grass is badly shorting that wire, it can be shut off at one spot rather than at each gate. The double lead-out wire can also be used in ground return and bipolar fence systems. Designed for direct burial but it is better put in a plastic pipe.

Double Leadout Wire		
Per ft	GDFT	.30 ft
82 feet	GD82	29.75
330 feet	GD330	115.00

Kencove has an extra **Thick-Walled Insultube** to give better protection for underground wire when using lower power fence chargers. It is still good to put this inside plastic water pipe and seal all the ends with electrical putty. Some people like to use wraparound insulators without the metal insert or flat side. This can be cut to the length needed for ends and bends. The diameter of I48 is about the same as it is for wraparounds .23" ID, .53" OD. This is also available in 6 inch lengths for use on line and bend posts.

Double Insulated Wire		
165 ft, 16 gauge	G16	22.00
50 ft, 16 gauge	G16-50	8.25
330 ft, 16 gauge	G33	40.00
165 ft, 12 1/2 gauge	G65	37.50
330 ft, 12 1/2 gauge	G32	70.00
Single Wall Insulated Wire		
50 ft, 12 1/2 gauge	GU50	9.00
100 ft, 12 1/2 gauge	GU100	18.00
250 ft, 12 1/2 gauge	GU250	45.00
500 ft, 12 1/2 gauge	GU500	90.00



Insultube is designed for taking electrified wire under gates by putting 12.5 gauge H-T wire through the tube. It can also be used for insulating jumper wires between non-electric fence wires.

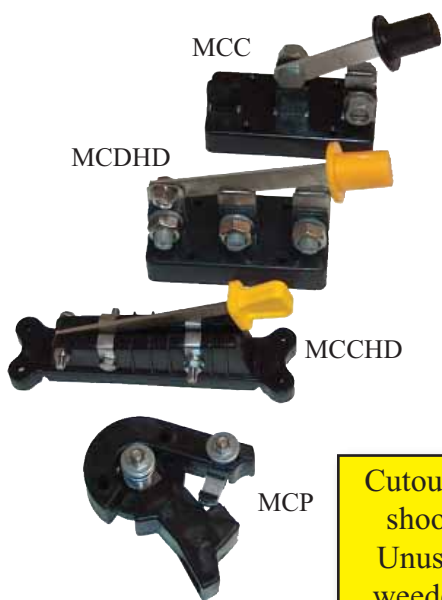
Extra long tube insulators can be cut to length for stapling to wood posts or for insulating holes when wire is threaded through them rather than stapled. Insultube is not recommended for insulating around corner posts (see wraparounds). ID: 16", OD: 36"

Insultube		
50 ft	G05	7.50
100 ft	G10	15.00
250 ft	G25	37.50
500 ft	G50	75.00

Cut-Out Switches



Electric Fence



The **Single Throw** (MCC) switch has an aluminum knife with a handle which can be seen from a distance to show if the fence is turned on. It also has stainless steel contacts and split bolt connectors to make hookup easy. Be careful not to over tighten the center pivot bolt - the plastic or bolt can break.

The **Heavy-Duty Single Throw Cut Out Switch** (MCCHD) has two sets of stainless contacts along the stainless steel knife. The pivot bolt for the knife is not an electrical contact. This allows easier movement of the knife.

Kencove has designed a **Heavy-Duty Cut Out Switch** (MCDHD) that uses the advantages of easy hook-up of the (CBT) Split Bolt Tap with the contacts which are independent of the knife pivot. This can easily be changed to a double throw switch.

Some people prefer the **PEL Cut Out Switch** (MCP). The knife as well as the contacts are stainless steel and spring tightened. When this switch is closed, the contacts are protected from adverse weather.

Cutout switches make troubleshooting and repairs easier. Unused pastures and heavily weeded bottom wires may be easily disconnected to increase fence voltage.

Cut Out Switch	MCC	7.50
Heavy Duty Cut Out Switch	MCDHD	5.50
Stafix HD Cut Out Switch	MCCHD	9.50
Cut Out Switch PEL NZ	MCP	8.00

T-Post Insulators

Steel posts have not been encouraged for use with electric at Kencove. Although they are better for lightning protection, they also increase the chances of having hard to find electrical shorts. The price of the different steel post insulators gives a good indication of expected life. The pinlock and ringlock are generally stronger.

PEL (I73) from New Zealand is a pinlock style insulator that wraps around the edges of the T-post. It has a "handle" for ease in installation and is backed by PEL's 10 year guarantee.

The (I73) will fit most sizes of T-posts and is also used on wood posts. The low cost **Snug Metal T Post Insulator** (IS1) may deteriorate more quickly in sunlight. The **Cap'R Insulator** (ITPC/ITPCW) is designed to either nail onto the top of wood posts or fit onto steel T posts. It will hold wire rope and up to 1.6" wide ribbon. This insulator will also add safety and the white color adds visibility. The **Claw T-Post Insulators** (IRTC/IRTCW) are ideal for large diameter products.

T-Post Insulators		
Cap'R Insulator, top wood/ steel posts, for rope, 1.5", Black, 10/pk	ITPC	6.00
Cap'R Insulator (same as above in White), 10/pk	ITPCW	6.00
Claw T Post Insulator -Black	IRTC	7.00
Claw T Post Insulator -White	IRTCW	7.00
For 1.6" Ribbon, white, 25/pk	JTPW	6.35
T-Post Insulator, white, 25/pk	IS1W	4.00
Snug Metal T Post Insulator, 25/pk (IS1= yellow, IS1B=black)	IS1B IS1	3.50
Back-Side Metal T Post Insulator, black 25/pk	IBS	8.00
Ring T-Post Insulator 25/pk	IRT	7.50
PEL Pinlock T Post Insulator, black, 1.35", NZ, 25/pk	I73	8.50
Pinlock T Post Insulator, 2 nail holes, 1.32" face 25/pk	ITE	3.75
Stafix Green Pinlock T Post Insulator, NZ, 1.33", 25/pk	IPTL	7.75





Kencove's **Double Nail Pin-On** Insulators are probably the best wood post insulators sold. These insulators have a large spark flange around the base, and the wire is held farther away from the post compared to other H-T insulators. The wire is held in a slot by a removable pin with plenty of space for wire movement to keep line friction to a minimum. The wire can be removed from the insulator while it is still under high tension. This allows the wire to be easily dropped from about 4 posts to occasionally drive over it.



These insulators have two holes for nails, galvanized screws or staples to make a strong attachment to the post. The plastic is very high quality - tough, not brittle, even after many years of weathering in sunlight. These insulators have the strongest designs and quality plastic needed for the abuse and life that the normal high-tensile fence is expected to handle. The I8P and I8PW are ideal for larger diameter products.



Double Nail Pin-On Insulators			
Black, 25/pk	I8P	6.25	
White, 25/pk	I8PW	6.50	
Black PEL, 25/pk	I81	7.25	
Green Stafix, 25/pk	IPL	7.50	



Quantity Discounts			
20 or more (25/pk)	I81	6.50	
20 or more (25/pk)	IPL	7.00	

Snug Wood Post Insulator (ISW) is used for places where you do not need the strength of a high-tensile type insulator. You can easily hook or unhook twine or ribbon with this double hook (claw type) yellow insulator.



Snug Wood Post Insulator	ISW	2.25	
w/nails 25/pk			
Staple Fold Over Water	IWS	10.95	
Shed Insulator 100/pk			

The **"Claw" Style Insulator** is probably the best choice if you are putting temporary fence onto wood posts. The wire is installed by turning it about 80 degrees and sliding it into the slot of the insulator. It is not easy to remove the wire when it is under tension, but if you are installing slack twine it is much easier than pulling the pins of the pinlocks.



Kencove has several different double nail wood post insulators of this type. Normally as the price of insulators goes down, the strength and life also declines, but the (ICC) Claw Nail On Insulator is an exceptional value. It is a new heavy duty insulator made to handle the new HotCote plastic coated high tensile wire and electric rope. Since it has a larger opening it will also work better than most insulators for hot tape.



Claw Nail-On Insulators			
Large, Black, 25/pk	ICCB	5.75	
Large, White 25/pk	ICCW	5.75	
Stafix Green NZ 25/pk	ICW	7.75	
PEL W, NZ 25/pk	I83	3.95	



Quantity Discounts			
20 or more (25/pk)	ICCW	5.25	
	ICCB		
20 or more (25/pk)	ICW	7.50	



Kencove now offers a heavy 1 3/4" **Stainless Steel Wood Screw** for a secure, attractive, and portable method of attaching insulators. The speed and convenience of installation many times out weighs the additional cost. In packs of 50, get one pack for every pack of insulators. Stainless Steel is highly recommended. when using ACQ treated lumber.



Also available are heavy zinc-plated 1 1/4" wood screws (HSG125) that are quick, easy and economical to use.

1.75" SS Screw, 50/pk	HSS175	3.25
1.25" Wood Screw, 50/pk	HSG125	1.95

The **Tube Insulator** is the lowest cost insulator for H-T fences. This makes it popular for those who only insulate a couple strands of a non-electric fence just in case the animals need a bit of training occasionally. Any fence will last longer if the animals do not constantly rub it.



The tube insulator is installed by sliding the appropriate number (corresponding to the number of line posts) onto the end of the wire. Push the group of insulators down the wire, and staple the tube closest to you onto each post as you proceed down the line. Be sure to staple in far enough so that the tube cannot easily slide away from the post yet not so hard that the wire movement is restricted.

Our Flat Back (I53) four inch tube insulator has an improved design so the staple will anchor into the fins on the tube thus preventing it from sliding. The quality of plastic seems better for longer life and efficient insulation than in other tubes. It is also available in a six inch length that works well on square posts. For extra protection from shorts and a bit less in-line friction, the Heavy Wall Tube Insulator (I48) is a good strong option.

Tube Insulators			
4" flat-back, 200/pk	I53	9.75	
6" flat-back, 200/pk	I53-6	14.50	
8" flat-back, each	I53-8E	.11	
4", 2 flange 200/pk	I50	9.75	
24" Heavy Wall Tube, 100 ft	I48-100	30.00	
6" Heavy Wall Tube Insulator 50/pk	I48-6PK50	8.00	

Quantity Discounts			
2,500 bulk pack	I53BK2500	115.00	

Insulators - Line & Rod Post



The **Ring Insulator** (IRI2) is made with a heavy screw as its base which gives it the strength to hold in cracks of old locust posts or in soft wood of old telephone poles - and most anywhere in between. The wire, held 2, 6 or 7.5 inches away from the post, is easy to install and remove but is unlikely to come off at other times. To offset an electric wire 5 inches from a wood post with more strength than other ring insulators, use the (IWR6) lag screw offset insulator. The rod has a 90 degree bend down then has a 180 degree bend up. The weight of the wire is resting on top of the end of the bent rod to give better strength and electrical insulation. Available in white or black.

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Yellow **Western Screw Tight Rod Post Insulator** (RPY) is priced low and is convenient to use. It is possible to carefully pick up a hot wire with the insulator and install it on a rod post. If you want to drive a vehicle over a temporary fence, just loosen the plastic screws and slide the insulators and their wires to the bottoms of the posts.



Insulator - up to 1/4" rope, Rod Posts, white, 25/pk	RPW	4.40
Western Screw-Tight Rod Post Insulator, Yellow, 25/pk	RPY	4.25

(I14RP) is a slide-on insulator for round rod posts. This sturdy, three piece insulator is made from high quality black plastic. It will fit round posts with 3/8, 1/2, or 3/4 inch diameters.



The **Slide-On Insulator** (RPIS) designed for twine, is available to fit 3/8" fiberglass posts. Black.



RPIS



JRPW



IRI6



IWR6



Ring Insulator Installation Tool

(TIRI) This tool makes it quick and easy to install offset electric wires. The lag screw type ring insulators are turned in with a low speed battery powered drill. The ring insulators hold 1/4 inch electric rope, electric twine, or wire 6 inches away from a wood post. (Can't be used with IWR6.)

Ring Insulator Installation Tool, use with electric drill	TIRI	4.50
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Screw-In Insulators

3" total length, blk	IRI2	.20
3" total length, Wht	IRI2W	.25
7.5" Offset, each	IRI6	.45
Gooseneck Offset, 9" total length, 10/pk	IWR6	8.50

Rod Post Insulators		
Twine insulator for 3/8" rod, black, each	RPIS	.33
Screw-on, black, pk/20	I14RP	7.00
Tape Insulator, pk/25	JRPW	8.10
3/8" Rod Post Insulator	J3R	.45

Offsets



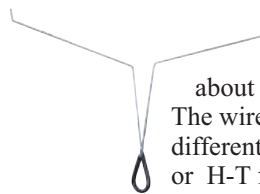
The 14" **Offset Bracket** (I6X) is easy to attach with a screw driver onto 2 separate lines of smooth or woven wire. The double-pin insulator gives very good insulation from the bracket wire and holds the electric wire with little chance of accidental release.



Fiberglass Offset Insulators (IOR) are one of the lower cost options. The fiberglass is a great insulator and much stronger than plastic nail-on offset insulators which often break in the first winter. A spring clip (F3S) is required to support the wire in the offset and is sold separately. Larger diameter fiberglass offset rods are also available. 3/8" x 12"



The NEW **Pigtail Insulator** (I6Z), with a 10" offset, is made of galvanized HT wire and coated with a plastic long-life UV stabilized polymer. Drive the pointed end into a wood post, and secure with a class III galvanized barbed staple. The I6Z is easy to install, very rugged, and allows the wire to slide freely. Use on an existing fence or to keep livestock a safe distance away from new fence.



Offset Insulated Bracket (I61) is designed to put an insulated electric wire about eight inches away from a permanent fence. The wire bracket is normally twisted onto two different non-electric strands of a woven, barbed, or H-T fence. The large loop is insulated with a tough plastic tubing which permits the wire to move through it with a minimum of friction. These offsets connect easily to your perimeter wire and flex if hit by stock.

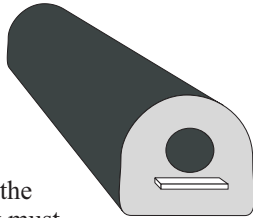


Our **Chain-link Offset Insulator** (ICLOFFSET) is a versatile insulator which attaches on existing chain-link fences in order to support an electrified wire about three inches away from the fence. It also can be used on T-posts or U-posts.

Offset Bracket	I6X	1.60
Offset Rod, Pointed	IOR	.50
NEW Pigtail Offset Insulator	I6Z	1.90
Long Tail	I61	1.59
Chain-link / U Post Offset 10/pk	ICLOFFSET	6.80



The **Wraparound Insulator** is one of the simplest end or corner insulators to install because the extra loop of wire and splices needed with the Double U are eliminated. Insultube should not be used as a high strain corner insulator. The wrap-around insulator has a metal insert to keep the wire from cutting through the plastic. They must be slid onto the end of the wire when the line post insulators are placed on the wire.



Be careful not to staple too tightly. The plastic eventually cracks and causes a short in the electricity. A staple placed above and another below the wraparound is safer. Tap the staple so it bends to hold the wraparound in place. A wraparound may be prone to minor shorts because of the slight distance from the electric wire to the post. Kencove believes our wraparounds have the most insulating distance between the wire and post. Twenty inch wraparounds come in packs of ten. **Now available in white!**

Wraparound Insulators		
20" 10/pk	I40	7.00
24" each	I40-24	1.00
24" each, white	I40W-24	1.15
30" each	I40-30	1.20
100' coil	I40-100	45.00
24" Heavy Wall, 10/pk	I48	7.00



Double "U" Insulators are used on end and corner posts. The electrified wires go on the inside of the corner posts. It is used like a porcelain donut where a loop of non-electrified wire holds the insulator to the post. However, they are much stronger than the porcelain donut. They work best when crimping sleeves are installed in the wire loop to bring the wire together near the insulators. The I46 has metal embedded in the plastic to keep the wire from cutting through.

Double "U" -10/pk	I46	6.00
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I4UW is 100% fiberglass filled for added strength.

The black, economical **Bull Nose** (I4LB) end and corner insulators are ideal for most applications except with 12.5 gauge high-tensile. This insulator should not be used for high tension applications. If higher tensions are needed, the white bull nose insulator can be used. The

Bull Nose -White	I4UW	.75
Bull Nose - Black	I4LB	.47

I just wanted to send you a note telling you how impressed I was with both your prices and amazingly fast delivery. I was so impressed after my first order that I have ordered more fencing material from you rather than shop around my local farm suppliers. Thanks so much.

Kris
Meadow Stone Farm,
Home of Elsa's Premium Raw Goat Milk Products

End and corner insulators for H-T fences should be stronger than the fence wire. Wires can be taken around a corner on either the inside or the outside of the corner post without tying off. If the fence is a mixture of electric and non-electric wires, it is normal to take all the wires around the outside of the corner post. Insultube should not be used as a high strain insulator.



The **Lag Corner Insulator** (ILC) is a plastic insulator mounted to a lag screw bent into an L shape. This insulator has often been used on trees. The doughnut insulator can act as a pulley for electric rope, twine or ribbon at corners. Check these insulators if you have problems with electrical shorts. There is not a lot of distance between the wire and the bolt.



The **Lag Corner Insulator** (ILCW) features a white UV-stabilized high grade plastic doughnut insulator.

The **Economy Lag Corner** (ILCE) insulator is smaller but there is more insulating distance between the steel screw and the outside of the pulley type insulator.



Lag Corner, Plastic, black	ILC	1.30
Lag Corner, Plastic, white	ILCW	1.37
Economy Lag Corner, black	ILCE	.95
Donut Insulator, black	ILD	.39
Donut Insulator, white	ILDW	.44

Porcelain Insulators are not recommended for ends on the higher tension fences. They have a tendency to break before the wire. There are a number of special applications where porcelain is used, including a lag screw holding a porcelain donut to a sharp dip or rise post. A set of donuts bolted between strips can be tied to an anchor in a sharp dip to eliminate a dip post.



Porcelain Donut	IPD	.27
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Did you know Kencove has a website? Visit www.kencove.com for online ordering and hundreds of resources on:

- Grounding Issues
- Electric Fence Troubleshooting
- Charger Troubleshooting
- Installing High-Tensile Fence
- Portable Fencing
- Post Drivers
- And MUCH More!

Spring & Tape Gates



Electric Fence

Our **Spring Gate** has a large diameter spring (similar to a slinky) that expands to 14 or 24 feet, then retracts to two feet when the gate is open. Each gate comes complete with a nonslip handle, two end insulators and a hookup system for connecting to the electric wire. Replacement springs are available in both the 14 and 24 ft lengths.

New White Spring Gates have an electrically-conductive powder coating. The white coated spring is more visible and has corrosion protection. Visibility, easy installation, and the versatility of gate sizes make these a great value. The GSWM stretches to 16 feet and comes complete with two double-loop lag screws, gate handle and spring.

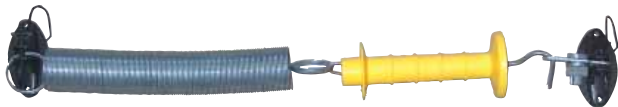


Spring Gates		
Up to 14 ft	GSC	10.00
Up to 24 ft	GSL	12.00

White Spring Gates		
Up to 14 ft	GSCW	11.75
Up to 24 ft	GSLW	13.25
Up to 16ft	GSWM	6.95
.75" dia.		

Replacement Springs		
14 ft	GSCS	7.00
24 ft	GSLs	9.00

Replacement Springs		
14 ft White	GSCWS	8.75
24 ft White	GSLWS	9.90



The rust-proof **Stainless Steel Spring Gates** include a stainless polycarbonate handle and a 3 handle hook-up set. The electric wire can be connected between the 2 nuts on the bolt or if you buy either a zinc or stainless split bolt tap, you don't need to bend the wire and several wires will fit into the same slot.

Stainless Steel Spring Gate Kit		
Up to 14 ft	GSSC	13.50
Up to 24 ft	GSSL	16.00
Replacement Springs - SS		
14 ft	GSSCS	8.50
24 ft	GSSLS	11.00

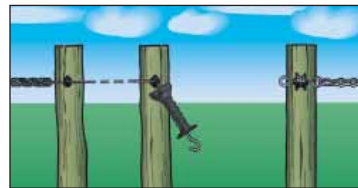
Custom Length Tape Gates can be made using our Tape Gate Tape (GTTO)(GTTW). A 165 foot roll of tape gate material can be cut to the desired length. These kits are available in either orange or white.

The **Tape Gate** is better than the Spring Gate if higher visibility is desired. The 1.5 inch wide tape gates are available in either orange with two thin white stripes or all white. There are twelve stainless steel wires woven into the plastic tape. This allows the gate to be electrified to keep stock in place. Buckles at both ends permit plenty of adjustment. Each tape gate comes packaged with a spring handle, two end insulators, a hookup plate, a split bolt line tap for connecting the hot jumper wire and two tape gate buckles.



Custom Tape Gates		
165' Tape Orange	GTTO	22.50
165' Tape White	GTTW	22.50
Handle Kit White	GTK	7.50
Tape Gate Buckle	GTB	1.35

Tape Gates		
1.5" x 16' Orange	GTGO	12.00
1.5" x 16' White	GTGW	12.00
1.5" x 24' White	GTLW	14.30
1.5" x 24' Orange	GTLO	14.30



Electric Bungee Gate

This patented gate is designed to stay off the ground while the gate is open. The mainly white cord runs through a ring insulator on the middle post. The gate hook-up is also included. The elastic cord can stretch to over double length. Safer and more visible than spring gates. If you have an extra wide opening, the center post can be eliminated to allow a 30 foot opening.

Spring Rope Gate	GSR	19.95
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Build your own **Electric Bungee Gates!** White with red stripes bungee cord, 6 x .2mm stainless steel wires, approximately 1/3" diameter. Stretches to more than double its original length, buy only 75% of the length of your gate. Sold by the foot.

Bungee Rope	GBFT	.42
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Gate Handles



Polycarbonate Handle (GPC) has 2 steel rods inside the spring handle to give it excellent holding strength without stressing the insulating plastic. When we get new products at Kencove, we like to abuse test them. The handle wouldn't break from repeatedly throwing it onto concrete, so we drove on it with a forklift. It was still usable! It did become more breakable after that. We unexpectedly demonstrated that fact at the World Dairy Expo.



Stainless Polycarbonate Handle (GPCS) The super strong polycarbonate insulated spring handle is white with all stainless metal parts. It has 2 stainless tension rods for extra strength.



Rubber Gate Handles (GRB) make inexpensive gates for electrified fences. Attach the insulated handle to a piece of wire stretched across the opening.



The **HD Gate Handle (GHD)** can take a lot of abuse. It is made from a piece of steel pipe and has a tough insulating grip. The spring inside the handle is also stronger and heavier.



The black plastic **Economy Handle (GPE)** gives a lower cost option for temporary fencing projects. The way wire attaches to the handle is better than on many handles, especially with electric twine and ribbon.



The expansion spring on the **NZ Gate Handle (GNC)** has more tolerance for gate post movement when attaching the handle to the post hook.



The nonconductive **Plastic Gate Handle (GPL)** is intended for use with twine or ribbon. You can connect to a grounded or hot wire and not have the portable fence electrified until it is built. Use an MPC jumper lead at the far end of the twine to hookup the power.

Gate Handles		
Economy Handle with compression spring	GPE	1.39
Rubber Gate Handle	GRB	2.10
Polycarbonate Handle, clear yellow	GPC	3.15
Polycarbonate Handle Stainless White	GPCS	4.95
Heavy Duty "Ironsides" Gate Handle	GHD	4.35
New Zealand Gate Handle	GNC	3.60
Plastic Gate Handle No spring or conductor	GPL	1.65

See page 20 for tube gates & automatic gate openers.



A Spring Loaded Drive-thru Electric Gate is ideal where it is hard for one person to drive through a gate without the animals getting out. It comes in two adjustable lengths and is electrified by jumping a hot wire from your fence to the base plate.

Just think: no more stopping the tractor, getting off, opening the gate, getting back on and driving through, stopping, getting off, closing the gate, getting back on and driving away and then repeating this over and over day after day. Save yourself time, aggravation, and money. For those times when you take your farm truck through these openings, the soft

Drive-Thru Gates			
Adjusts 13 to 19 ft	FOB	GDTs	120.00
Adjusts 18 to 24 ft	FOB	GDTL	130.00

Handle Hook-ups

The **3 Hole Handle Hookup GHU3** allows Kencove's larger (CBT) split bolt to connect the wire to either outside hole and still have room for 2 gate handles.

The **Handle Hookup Set** is available separately to make wire gates with spring handles. The (GHU) contains a pin-lock insulator, a three hole hook-up plate and a split-bolt line tap. The (GHD) gate handle does not fit into the (GHU).



GHU



GHU3S



GHU3

Insulated Double Loop Handle Hook (GHUD) with lag screw



Handle Hook-ups		
NZ Handle Hookup Set	GHU	2.50
Insulated Dbl Loop Handle Hook	GHUD	1.20
3 Hole Hookup Set	GHU3	1.20
3 Hole Hookup Stainless	GHU3S	1.95

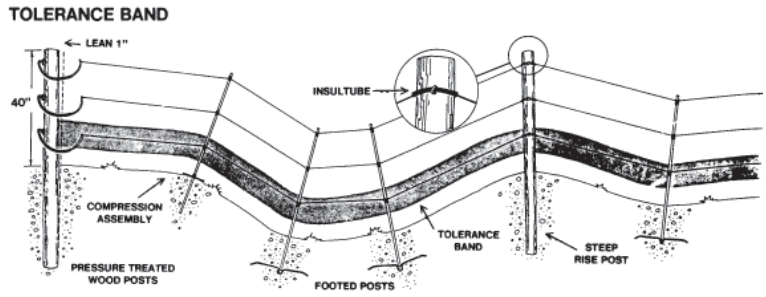
Spider Fence



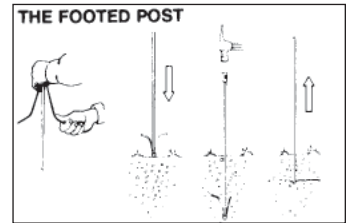
Rotational Grazing

The **SPIDER** permanent electric fence concept has remarkable resiliency and strength. The ability of the SPIDER fence to “flex rather than break” permits the use of very compact, lightweight, and economical components.

SPIDER fence is a complete system that uses ten millimeter (slightly larger than 3/8 inch) footed fiberglass posts for dips, plain fiberglass line posts and lightweight 16 gauge high tensile wire. The double wedge clips allow you to vary the wire heights. Since all components (except for the wire) are fiberglass or plastic, no additional insulators are needed. Wood posts are used at ends and at the top of steep rises. SPIDER “G-Springs” provide additional spring to the wire and are used both for tensioning and as gate handles. This system is not designed to be a physical barrier. A high powered charger is recommended.



- The SPIDER FOOTED POST (“FOOT”) must be used wherever there is upward pull.
- Bend the wire barbs sharply near the tip then away at the base.
- Drive the post as far as the post pounder will allow and then continue using the DRIVING CAP and hammer until about twelve inches below specified post-depth.
- The driving depth of the footed post varies with soil type but you will soon learn the best depth with practice.
- Take care to pull back the “foot” with the hands braced against the knees so the pull is on the lower legs and not the back.



Wire Specifications					
	Max Line Post Spacing	# of Wires	Min Bottom Wire	Max Top Wire	Min Top Wire
Dairy Fence	75'	1	28	36	
Cattle Fence	65'	2	15	24	28
Hog Fence	45'	2	6	12	18
Sheep Fence	45'	3	8	14	26
Goat Fence	40'	4	4	12	28
Deer Fence		5	12	18	48

Spider (FOB)		
Spider Line Post, 10 mm 50" white	XP4	1.69
Spider Line Post, 10 mm 60" white	XP5	2.02
Footed Fiberglass Post, 10 mm 55" white	XF2	3.89
Footed Fiberglass Post, 10 mm 72" white	XF6	4.48
Spider Step-In MasterTread Post 40" white	XR3	4.12
Double Wedge Clip 50/pack	XDC	22.26
Spider G-Spring without plug and insert	XGS	6.85
Plug and Inserts, 10/pack	XGP	7.99
Spider Fence Wire 16 gauge, 4000 ft coil	XW4	57.08

Rising Plate Meters

The **Rising Plate Meter** is an intensive grazing tool for farmers to measure the amount of grass or dry matter in a particular pasture or paddock. This allows planning the grazing schedule for pastures and animals to produce maximum results.

The **Electronic Rising Plate Meter** will take all your pasture readings and automatically average them as you go. You can see the number of readings, the average calculated height and the calculated dry matter on the pasture.



The **Fillips Meter** has two counters. The lower counter is operated by the rising plate every time a measurement is taken. It continually adds the measurements. A top mounted counter is pushed once, by hand, each time a sample is made. Divide the total of the measured heights by the number of samples to get the average height of the pasture growth.

Electronic Plate Meter RPM 675.00



The **Jenquip Fillips Folding Pasture Plate Meter** is a more affordable unit that can be easier to maintain than the electronic model. The Fillips meter quickly folds in half and a bike bracket is included to easily haul the plate. All Fillips Meters are calibrated to give the same readings so research comparisons are accurate. Cut and dry is the only more accurate system. Do samples to calibrate the meter for different types of forage.

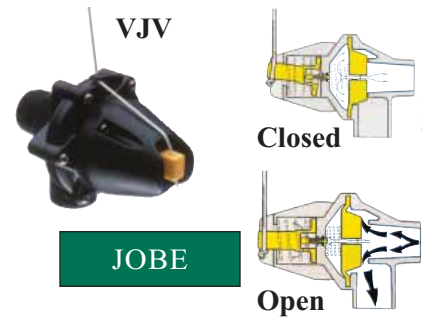
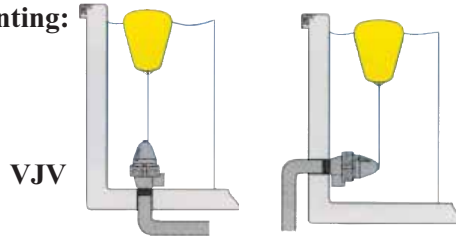
Folding Plate Meter RPM 400.00

Water Valves - Quick Couplers

Jobe Valves

Jobe Valves introduce the first real breakthrough in trough valve technology. By using the principle of Hydraulics and water pressure already present in line MegaFlow releases whatever volume is present until trough is full then closes in a matter of seconds. The revolutionary starting mechanism works on spring tension which overcomes the problem of obtrusive and inverted arms. The compact and robust design has incorporated a 20 to 60mm water level differential and has the ability to isolate the valve by a simple cord locking device. MegaFlow is the first valve designed around high flow rates common in today's pumping and water reticulation schemes. Materials used are U.V. Stabilised A.B.S. Plastic and non-corrosive Stainless Steel. Pressure rating: VJV/VJT 5-150 PSI (0.3-10 bar); VJR 0-150 PSI.

Mounting:



Jobe		
Jobe Valve for bottom or side mounting, 3/4" NZ	VJV	34.95
Repair Kit for Jobe Valve, New Zealand	VJVM	9.75
Jobe Topaz Valve, also Top mounts, anti-freeze option, 3/4" NZ	VJT	45.75
NEW! Jobe Topaz anti-freeze valve for (VJT)	VJTTP	13.50
RoJo Valve low flow, bottom, side or top mounting, 0-150 PSI, 3/4"	VJR	23.00

Hudson		
Hudson Water Valve for top mounting, 1" thread, 2-90 PSI.	VHV	27.95
Economy Mounting Bracket for Hudson Valve - 3/4" hose end	VBBE	12.25
Heavy Duty Mounting Bracket for (VHD) - 3/4" hose end	VBBHD	20.50
Hudson Valve Repair Kit	VHVR	9.50

The **Hudson** valve body is durable glass fiber nylon and vented to eliminate siphoning. Internal parts are ABS plastic, ethylene propylene rubber and stainless steel. This valve is resistant to damage when frozen and fully guaranteed for two years when used under normal circumstances for the control of water in stock tanks and troughs.

Ask Kencove to quote plastic water pipe and fittings delivered to your grazing group. Delivered prices are very good on large shipments.

Plasson Quick-Coupler Valves allow you to hook up a full flow valve as quickly and easily as opening a door. When the 3/4" male riser (VCR) section is pushed into the female valve (VC34) it easily snaps in place and opens the valve fully. A simple squeeze on the snap arm of the riser releases the connection and automatically shuts off the valve. The valve has a highly visible, hinged yellow cover to keep the dirt out when not in use. This valve can be used for above ground or buried water systems. If going with a buried system, it is common to use about an 8" PVC pipe with a cap to keep the connector from freezing. Here are several ideas to keep the above ground section from freezing. Put a drain line to the watering areas, then keep the water flowing a bit in freezing weather. A thermostatic water valve is available for automatic protection but not stocked. Putting 4 inches of sawdust on top of the pipe helps immensely. If two pipes are installed in the ground and connected together with a tee at the portable water trough valve and also at the barn, a small circulating pump should heat the exposed section of pipe with ground heat.

Quick Coupler/Valve		
3/4" female coupler/valve	VC34	11.00
Riser		
3/4" required male part	VCR	4.75

Rotational Grazing

Fiberglass Posts



Rotational Grazing

Fiberglass Rod Posts work very well with portable as well as permanent fencing. However, we recommend that gloves be worn when handling older rods. The 3/8 inch rods are lightweight (20 posts, 4 ft long, weigh only 7.3 lbs). They are strong, flexible and are perfect insulators. These rods are available in four, five or six foot lengths and come packaged twenty to a bundle. Each bundle of SunGuard™ posts includes a plastic drive cap. For extra wire support, the 1/2 inch rod is a fair amount more rigid. More wet snow can be supported,

longer distances between rod posts are possible and/or fewer big posts are needed when the 1/2 inch rods are used. The 3/8 inch and 1/2 inch rods are available with SunGuard™ coating in both the four and five foot lengths.

The 1/2 inch to 1 1/4 inch rod posts are commonly used on permanent electric fences at wide spacings (like 200 feet on center) with 3/8 inch or 1/2 inch posts in between at 25 to 50 foot spacings. The larger posts give greater strength in line, especially at stress points such as rises, dips and slight bends.

The long life **SunGuard™** 2/3 inch and economical 5/8 inch fiberglass rods work well as end and corner posts for electrified twine, ribbon and electric H-T fences. Lean the post when installing so the tension of the H-T wire pulls it into a bit of a bow. To be sure that the clip remains fastened to the post when something hits the fence, use a pair of Vise-Grip pliers to lock the clip tight. These rods act as springs. The spring action will be especially good if separate end rods are installed for each strand on multi-wire electric fences. This will keep one wire from loosening while you are tightening another. Heavier rods can be used for higher tensions and taller fences. We carry 1.25 inch used fiberglass sucker rod for these applications.

Often the fiberglass end and corner rods are guyed using stainless steel wire (DSC-FT) or nylon wire (DW152) on a Earth Anchor (DB6 or DB8). If you twist the larger posts with locking pliers while lifting, removal generally is not difficult.



Kencove's **Fiberglass "T" Posts** can be used to extend spacing between wood posts by putting the "T" posts into the ground or just hanging them on the wire and using clips to keep the wires at the proper spacing. With fiberglass it is possible to keep a high voltage with a lower powered charger than when using wood spacers. The "T" posts are notched every two inches. The Light Duty Fiberglass "T" measures 5/8 inch by 4 ft., 5 ft., or 6 ft., and makes an excellent spacer. See page 37 for clips.

3/8" Economy		
6 ft	F38-6E	1.50

3/8" SunGuard™		
4ft	F38-4SG	1.15
5 ft	F38-5SG	1.46
6 ft	F38-6SG	1.75

1/2" SunGuard™		
4ft	F12-4SG	1.60
4 ft	F12-4D	1.95
5 ft	F12-5SG	2.05
6 ft	F12-6SG	2.50

2/3" Fiberglass Rod Posts		
SunGuard™, 5ft	F23-5SG	3.75
SunGuard™, 6 ft	F23-6SG	4.50
6 ft, drilled 2"	F23-6D	4.60
7 ft, drilled 2"	F23-7D	5.25

7/8" Drilled Fiberglass Rod Posts		
5' SunGuard	F78-5D	5.55
6' SunGuard	F78-6D	6.65

Custom Cut Rods		
5/8" B grade	F58-(ft)	.50/ft
2/3"	F23-(ft)	.50/ft
3/4"	F34-(ft)	.66/ft
7/8"	F78-(ft)	.75/ft

Step-In Posts 3/8" with 3 clips		
4 ft SunGuard™	F38SSG	1.86

Fiberglass T-Posts, FOB			
Light Duty 5/8"	4 ft	(FL1-4)	1.40
	5 ft	(FL1-5)	1.70
	6 ft	(FL1-6)	1.99

Other Fiberglass Rod Posts		
1.2 or 1 1/4	F1Q-(ft)	1.15/ft
10% off 1000*		

More Step-in Posts - Page 38

Colored Fiberglass Rods

These high visibility rods can be used as line markers for parking lots, or use them for portable grazing in the winter. UV-stabilized.



Fiberglass Rod Posts		
3/8" Rod 4', Yellow	F38-4Y	1.40
3/8" Rod 4', Pink	F38-4P	1.40
3/8" Rod 5', Yellow	F38-5Y	1.71
3/8" Rod 5', Pink	F38-5P	1.71
3/8" Rod 6', Yellow	F38-6Y	2.00



The **Stainless Mini-Spring** for twine, ribbon, stainless steel 19 gauge or aluminum wire works like the larger springs for the H-T wire, except it is designed for low tension, light temporary or permanent fences. Total length 7.5".

Stainless Mini-Spring	HMSS	2.95
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Kencove's **Twist-Tight Tensioner** excellent for taking up the slack on light gauge wire, twine and ribbon fences. The tightener can be put onto twine that is already installed and twisted to take up slack without cutting the twine. It is easy to readjust the tension in the future. Made of durable plastic.

Twist-Tight Tensioner 6/pk	RTT	3.75
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The Stainless Steel Tight Grip Clip

(F3T) binds fence wire tightly to a 3/8 inch rod.

This keeps a dropper rod that is not pushed into the ground, at the correct location. Only the top and bottom wires need to have this clip so the rod does not slide horizontally on the line wires toward the permanent posts. Use regular F3S clips for the middle wires. If the bottom wire is high enough off the ground, short suspended spacer rods make mowing under the fence much easier by allowing long distances between posts.

Tight Grip Clip, Stainless, Permanent	F3T	.17
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The F3P Plastic Pigtail Clip

makes an excellent insulator for 3/8" metal or fiberglass rods it is nearly as easy to work with as our popular F3S clip. However the F3P is much easier to see and has no protruding metal ends.

Plastic Rod Clip, 3/8", 50/pk	F3P	14.00
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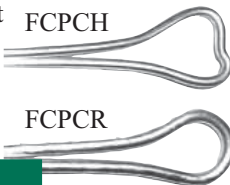
The **Slide-On Insulator** (RPIS) designed for twine, is available to fit 3/8" fiberglass posts. Black.

Slide-on insulator for 3/8" rod, Black plastic	RPIS	.33
Western Rod Post Insulator for 3/8" - 5/8" rod and LD "T", 25/pk	RPY	4.25
Rod Post Insulator fits 3/8", 1/2", and 3/4" diameter. 20/pk	I14RP	7.00

T-Post Clips (not for metal t-posts)

For HD T Posts 100/pk	FHC	4.00
For LD T Posts 100/pk	FLC	4.25

Cotter Pins are an economical way to fasten the wire to line posts or spacer battens. Holes must first be drilled in the fiberglass rods or wood. Clip the pin onto the wire, put the 2 legs of the pin through the hole and bend the ends back to the fence wire.



Cotter Pins, 100/pk

Heart Head, 14 ga., 3.5"	FCPCH	5.00
Round Head, 12.5 ga., 5.5"	FCPCR	5.95

The (TP3) **Rod Post Driver** for 3/8" rod posts is handy because it does not damage the post top and is relatively easy to carry and pound. The 3' steel tube keeps the post from flexing and is a good indicator of how far the post is in the ground.

Post Pounder, hand held, for 3/8" rod	TP3	29.00
T-Post Pounder, Spring Loaded	TPD	49.50

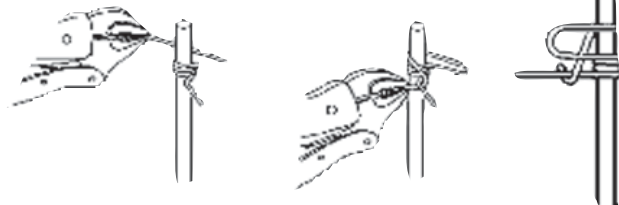


The **Spring Grip Clip** must be expanded to slide it onto the rod. Squeeze the loop end with your thumb and the short end of the spring clip with your middle finger. Your index finger can stabilize the clip by pulling on the long tail coming off the loop. Once installed, the clip grips to the rod yet the fence wire is easy to flick into the loop of the clip. The

spring grip clip stays with the post when relocating the fence - unlike T-Posts which use a clip that is often lost while moving the fence. If a more permanent installation is needed, the stainless steel clip can be made to grip the post much tighter. Using a pair of locking pliers, bend the long tail around the rod and bend it around the short tail of the same clip. A slide-on plastic insulator (RPI-S), designed for electric twine, is also available to fit 3/8 inch fiberglass posts.

Stainless Steel Rod Clip, Long Tail		Stainless Steel Rod Clip, Long Tail	
1/2"	F2S	3/8", Each	F3S .17
5/8"	F5S	3/8", 50/pk	F3SPK50 8.50
2/3"	F23S	3/8" 100/pk	F3SPK100 15.00
3/4"	F34S	Spring Steel Rod Clip	
7/8"	F7S	3/8" Light galv 50/pk	F3CPK50 7.00
1"	F1S	3/8" Light galv 100/pk	F3CPK100 13.00
		1.2"	F1C .19

How to Lock Spring Grip Clips



The **Wire Twisting Tool** (TWT) makes wrapping wire simple. This tool is especially helpful for bending preformed clips onto Multi-groove Wood or Poly Battens, or Fiberglass T-Posts. The end hole allows a looser bend where smooth wire is to slide past the batten or post. The Twisting Tool is not needed for splicing smooth high tensile wire if the proper techniques are used. The flat (TWTL) is used for woven wire where a short tool is better in small openings.



Twisting Tools

Wire Twisting Tool, rod type for bending clips	TWT	3.00
Kencove Short Flat Steel Tool, for tight spaces	TWTL	1.25

Nylon Drive Caps for 3/8", 1/2", 5/8", 2/3", and 3/4" fiberglass rods prevent splintering of the ends when hammering rods into the ground or offsets into wood posts. The cap is also handy when pushing rods into the ground with your hands. If you are installing a large number of fiberglass posts, the 3/8 inch hand-held post pounder makes the job easier.



Drive Caps for Fiberglass Rods

For 3/8" rod	F3N	4.85
For 1/2" rod	F2N	4.85
For 5/8" & 2/3" rod	F5N	4.85
For 3/4" rod	F34N	4.85

Step-In Posts

Plastic **Heavy Duty Step-In Posts** (RRP) has a solid "H" section for rigidity with eight spacing options for polywire or .5 inch electric ribbon on one side and four spacings on the opposite side that will hold up to 1.6" wide tape. The steel pin on the bottom and the step to push it into the ground with your foot allow for easy installation.

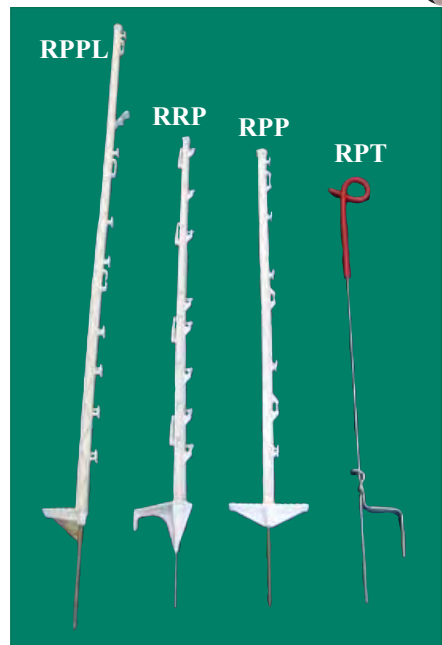
The (RPP) style posts from Europe have two foot pedals and have a longer steel pin.

The (RPPL) has an angle brace connector welded to the pin to strengthen the step. All of the step-ins are nearly unbreakable. These features allow them to have a 5 foot long post.

The **NEW Pigtail Step-In Post** (RPT) will hold your favorite twine or ribbon 30" from the ground. It is made of a robust galvanized HT steel shaft. A heavy UV-stabilized plastic coating gives excellent insulation. Installation is made easy by a well-constructed foot pedal. Made by O'Briens Plastics NZ this is the first metal pigtail Kencove has recommended.

Step-In Posts (FOB)		
42" Heavy Duty Step-In post	RRP	2.45
42" Step-In Plastic Post, 7 clip has large steel pin	RPP	1.95
5 foot Step-In Plastic Post with steel reinforced step	RPPL	3.25
36" Galvanized Steel Foot Pigtail Step-In	RPT	1.95

3/8" Fiberglass Posts, with 3 clips		
4' SunGuard™, FOB	F38SSG	1.86



NEW



Electric Netting Instructions

Instructions for Kencove's Electric Net Fencing



1. Untie the green strings.
2. Hold posts and drop out the fence.
3. Start by inserting the post with the green strings into the ground at your starting point.
4. Tie this post to a stronger post. (Do not allow any metal to touch the electric twines.)
5. Pick up the remaining posts and walk across the field, releasing each post in turn.
6. At the end, pull the last post to tension the fence and insert the post.
7. Walk along the fence and push in all remaining posts.



To dismantle the fence:

1. Untie the green strings on the posts.
2. Lift each post as you walk down the line.
3. The fence will fold into loops as you proceed.
4. Lay the fence flat on the ground and **ROLL** the folded ENDS to the POSTS.

- This ensures the posts and strings are always on the outside ready for reuse.
- When not in use, store on a wall or beam to prevent vermin from nesting in the rolls.
- Up to 30 rolls can be run from a high power charger.
- No more than 5 rolls should be run from small 12-volt battery powered chargers.

See back cover for pricing.

To join rolls for continuity:

1. Untie the next roll of fence.
 2. Using the post with the strings, insert it beside the last post of the previous roll and tie together.
 3. Be sure to connect the aluminum connectors.
 4. Continue as in previous instructions.
 5. Any post can be used as a corner post.
 6. Simply attach the guy line and peg for all directional changes.
- The entire fence must be erected.
 - Any surplus must be doubled back along itself, **except** the positive-negative electric nets.
 - Your fence charger should be put in the middle of a run of nets.
 - Connect power lead to aluminum clip.
 - Be sure unit has a good ground rod installed.
 - ALWAYS keep fence well electrified.

The large **O'Briens Geared** (RRXG) reel holds 1312' of ribbon. Geared reels have a 3:1 ratio. This means for each turn of the handle, the bobbin spins three times. When rewinding long lengths of twine or ribbon, the extra cost of the geared reel is a worthwhile, time-saving investment.

Temporary electric fence systems are not really handy unless a REEL is used to keep the twine tight and make rewinding fast and easy. The (RRS) and O'Briens geared (RRSG) reels come complete with carry handle, rewind crank, ratchet lock and rugged steel and plastic construction. The carry handle has a hook on the reel frame for attaching it to a fence wire. They are designed to hold 1640 feet of twine or 656 feet of hot ribbon.



O'Briens Geared Reels		
Single Reel-Geared	RRSG	47.00
Mega Reel - Geared	RRXG	54.00

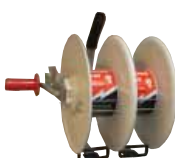
Replacement Bobbins		
For Single Reel	RRSOB	13.75
For Mega Reel	RRXOB	16.25
Bobbin for Stafix Single Reel	RRSSB	10.00
Bobbin for Stafix Large Reel	RRXSB	15.00



NEW Geared Narrow Reel features a lightweight narrow reel that easily holds 1640' of your favorite poliwire.

2:1 gear ratio, wire guide, and rugged lock mechanism.

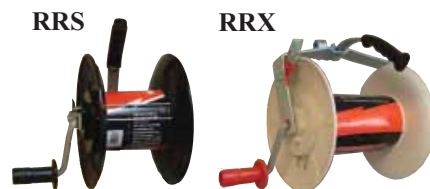
2:1 Narrow Reel	RRN	32.50
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The **RR2 Duo Reel**

has a time saving 3:1 gear ratio. Two narrow reels with guides insure tangle free use of two strands of your favorite twine or ribbon (up to 1640' each). Rugged, light weight, and versatile, another innovative product by O'Briens Plastics NZ.

3:1 Duo Reel	RR2	65.50
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The **Mega Reel (RRX)**, extra large reel holds 1312 ft of ribbon or up to 2625 ft of polywire. This reel has a galvanized crank handle mounted on nylon bushings to reduce wear. The one piece moulded spool makes this reel durable.

O'Briens Reels		
Single Reel	RRS	30.00
Mega Reel	RRX	39.00



TWINE OR TAPE

GUIDE (RRWG) is designed to fit the RRS and RRSG reels.

(Pictured on RR3, RR2 and RRN) If you have ever had twine or tape wrap around the outside of your reel, you will appreciate this product. It bolts quickly to the frame and can be used on most reels with a traverse of 6".

Reel Guide	RRWG	5.95
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The **Mini-Reel** has a stronger latch. This latch allows the excess twine to be stored on the reel while tensioning the twine or wire on the temporary electric fence. The reel uses a lynch pin that allows the spool to be replaced without tools in less than a minute. The low cost and compact size makes this reel ideal for trail rides, garden and shrub pest control fence and short grazing fences. It can hold up to 600' twine or 300' ribbon. Many other uses are possible from kite string to speaker wire. A well designed reel, handy for shorter lengths.



Mini Reel	RMINI	12.50
Replacement Spool	RMINIB	5.50

The **Rod Post Reel** and the **Neck Strap Reel** have much greater capacity than the NZ reels. This makes them especially good for all electric rope and ribbon sizes. The bobbins on these 2 models can be changed in less than a minute by just pulling a spring locking pin. You may be able to repair 2 reels with one replacement bobbin since each half of the bobbin is held together with a hollow plastic bolt and nut.

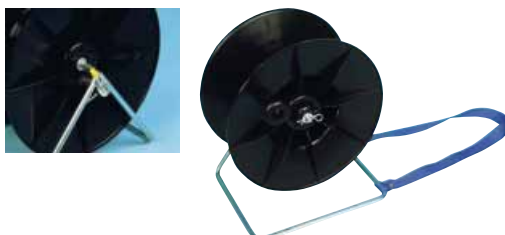
The **Rod Post Reel (RPR)** reel includes a carry handle, rewind knob, and double hooks to give good stability when it is hung from fence wire. It is made with a square tube that can slide over rod posts up to 3/4" diameter and holds up to 1600' twine. It can be locked at any height on the rod post. The bobbin is locked from spinning with a spring loaded pin. A simple twisting action on the lever of the pin latches it so the bobbin will freely turn for unwinding.

The **Neck Strap Reel (RNR)** can give you a spare hand so the posts and fencing materials are easier to deal with. A strap that goes around your neck holds the reel with up to 1600' twine. The bottom of the frame will rest against you at about belt height. This has a positive spring loaded latch pin. The replacement bobbin is very easy to install without tools. This is ideal for large or small temporary pastures.



Rod Post Reel	RPR	23.50
Neck Strap Reel	RNR	19.00

Replacement Bobbins		
(RNR) & (RPR)	RPRB	11.00





Even though much of the material in this publication is about permanent 12½ gauge HT fencing, very portable twine and/or ribbon may be more important to many grazers. These easy to use tools of grazers allow the animal's meal territory to be clean and new as often as several times per day. The previous day's forage is allowed to regrow to its prime nutritional value without being trampled and sampled before the proper time.

Intensively managed grazing of pastures can greatly improve the land's yield and quality. The basic idea is to concentrate the animals in a small enough area so they will harvest everything, even the less tasty growth, quickly. Then, move them to other small areas and let the eaten areas replenish without animal disturbance. After waiting for the proper maturity of the desired plants, the area is grazed again. Organic fertilizer (manure) is



evenly distributed with no effort. Higher gains come from the pasture because the plants have time to recover and animals can be fed better. The need for expensive machinery and material inputs are reduced, allowing profits to jump. To do this much animal moving, the fencing must be effective and easy to use. A quick system is to open and shut gates to a permanently divided pasture, but most people do not have enough permanent divisional fences. Taking out excess growth in the spring can be a problem in very small fields. A setup with long narrow pastures allows twine to be put up across the narrow width rather quickly. The most simple and economical way to increase the number of pastures is to use portable fences. Electric twine, fiberglass rod and/or plastic step-in posts, convenient rewind reels, and portable chargers work together to make an excellent portable fencing system.

The **Stafix Twines and Ribbons** have been made with .16 mm diameter stainless steel wires. The newer twines and ribbons have larger conductors. Even though R56GW only has 6 conductors, there is 50% more stainless steel in the roll compared to R5W. If you need to go a long distance, R46CU is rated for over 6 miles while the same literature rates R56 at 1/2 mile. If the fence is clean, the electric charge can go farther than suggested here. Multiple strands can also allow longer lengths. Although copper and aluminum wires are more conductive, they do not give near as long of life as stainless steel. You may have been encouraged to buy higher priced ribbon or twine because of the extra conductivity of copper. Be sure you need this feature. You may be giving up the valuable ruggedness of stainless steel. Compared to aluminum or copper, stainless steel can be bent many more times without breaking. It also has a higher tensile strength. Often twine or ribbon is used for a short stretch of frequently moved fencing. In this situation conductivity is very unlikely to be the weak link. If you are putting up miles of twine, ribbon or rope, conductivity may be more important, especially for the main line(s) from the charger. Be aware it probably will not last as long as fence using stainless steel conductors.



Electric Twine is significantly easier to handle than heavy solid wire. Three or six strands of stainless steel conductive wires are interwoven in plastic twine. Distances of over half a mile are possible if the twine is well insulated at posts and kept clear of growth. Visibility is greatly improved with white hot ribbon that has five or six stainless steel conductors and is about 1/2 inch wide. White seems to give the best contrast for visibility during the day and night. Don't use weed-burner type fence chargers with these materials as the risk of melting the plastic twine increases greatly.

Electric Ribbon		
White 656' .5" with 5 x .3 Stainless; 3x more stainless than RWR	RWRG	21.00
White .5" 656' 6 s -Stainless	RWR	26.00
White 656' .79" 2x .3 mm+ 4x .2 mm-Stainless	JAW	28.50
Orange .5" 656' 6 -Stainless	RHR	26.00
White 1312' .5" with 5 x .3 Stainless	RW4G	39.50
White .5" 1312' -Stainless Stafix	RW4	49.50
Orange .5" 1312' -Stainless Stafix	RH4	49.50
Yellow + Orange 820' .4", 4 x .16 -Stainless	RYO	30.00
Splicer Buckle for 1/2" Ribbon	RSB	.52

Electric Twine - 3 Conductors		
White 656' -Stainless	R23	7.95

Electric Twine - 6 Conductors		
White 656' -Stainless	R2W	15.00
Orange 656' -Stainless Stafix	R2D	8.95
White 1640' -Stainless Stafix	R5W	39.75
Orange 1640' -Stainless Stafix	R5D	39.75
White 1640' .2 mm -Stainless	R56GW	29.95
White/green strand, 1312' .25 mm -Copper	R46CU	38.00

Electric Twine - 9 Conductors		
White 1312' -Stainless Stafix	R49W	37.75
Orange 1312' -Stainless	R49O	37.75
White 1312' .2 mm -Stainless	R49GW	35.50

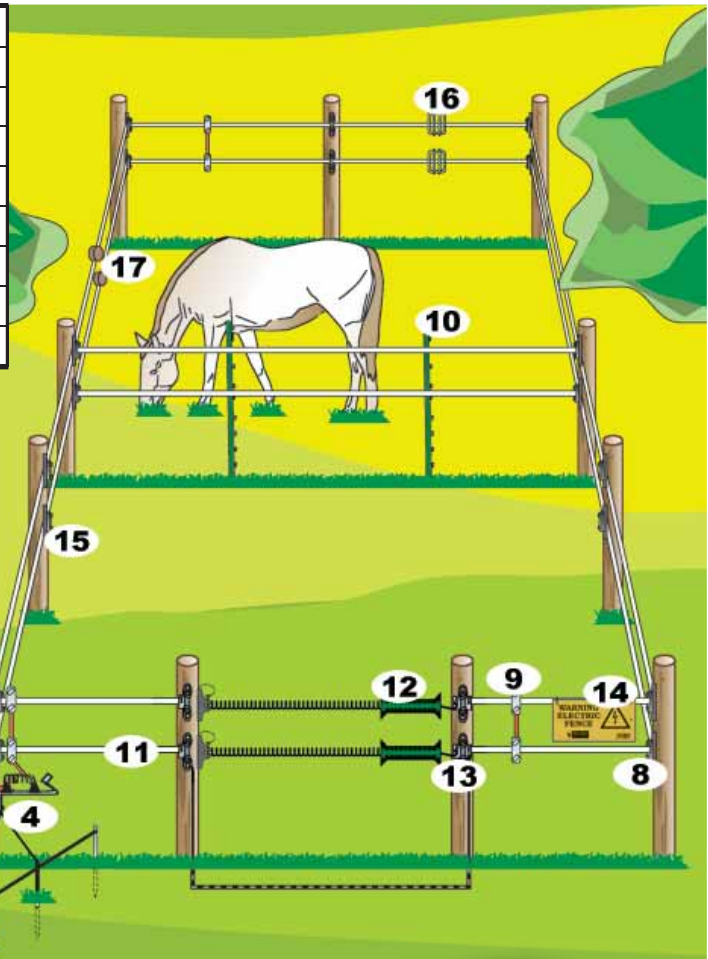
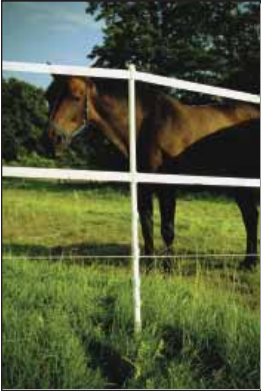
The 19 gauge **Stainless Steel Wire** (RSS) has excellent life at a low cost. It is not hard to bend and can be rewound onto the portable plastic reels. Visibility is not great with this wire, but the wire is much stronger and a better conductor than twine.

This is often used for offset wires and as the lower strands on electric ribbon and twine fences in temporary or moveable systems.



Stainless Steel Wire		
19 ga 4000' 18 lb,FOB	RSS	90.00
1000' on wooden spool	RSS1	34.50
Short, odd lengths,FOB	RSSFT	.025/ft

1. Fence Charger	10. Portable Fence Post
2. Ground Wire	11. Fence Rope, Twine/Tape
3. Ground Rods /Clamps	12. Gate Handle & System
4. Lighting Protection	13. Gate Handle Hook-up
5. Underground Wire	14. Electric Fence Sign
6. Corner/End Post	15. Line Insulator-Wood Post
7. Cut Out Switch	16. In-Line Wire Splicer
8. Corner/End Insulator	17. In-Line Wire Tightener
9. Wire Electric Connectors	



The numbered picture may help you remember all the needed components. There are different items best suited for wide ribbon, rope, twine, or wire. Some parts work well with all the systems.

WHY IS TAPE FENCE SAFE?

1. It is easy for the horses to see so they are less likely to run into it.
2. Once they get a few electric shocks they stay away from the fence.
3. If an excited horse runs directly into a fence, the boards and horse are likely to be damaged. If a horse hits our tape hard, it may break, but the horse is unlikely to get hurt.
4. If a leg gets between boards or wires, injury is more likely than with tape fence.

It can be hard to tighten the tape through buckles. With clamps, there are 2 screws which can be tightened while the ribbon is being held tight.

End Clamp/Tightener

Black, Non-buckle Type	JEEB	1.75
White, Non-buckle Type	JEEW	1.75



1.57" Wide Electric Tape

4 Stainless Steel Conductors (.3) +
9 Stainless Steel Conductors (.2)

656 ft per roll, White	JGW	59.00
656 ft per roll, Black	JGB	59.00

If tape will be used as a gate, use our tape gate kit (GTK). With a rugged white polycarbonate gate and stainless steel metal parts, it has everything needed to make your extra tape into gate.



JGW

1.6" Tape Insulators

White Universal, 25/pk	J16W	5.75
Black Universal, 25/pk	J16	5.75
Ring T-Post Insulator, 20/pk	IRT	7.50
White T-Post Insulator, 25/pk	JTPW	6.35
White Wood Post Ins., 25/pk	JJPW	5.95
White Rod Post Ins., 25/pk	JRPW	8.10
3/8" Rod Post Insulator	J3R	.45



J16



JRPW

The JEB and JEBW insulators can be used on line posts or at ends and corners. Simply insert the tape through the split bolt and rotate to tighten the fence. Then put the bolt into the lock position and tighten the nuts to maintain tension. Try them on an existing fence, and make a saggy fence look new!



JEB

Other 1.6" Tape Insulators

Black Box Insulator	JBB	1.40
Connect Buckle, Fits into JBB	JBBC	1.40
End Buckle & Loop, Fits into JBB	JBBE	1.50
End/Corner Shackle Insul., Black	JEB	2.50
End/Corner Shackle Insul., White	JEBW	2.50

Planning Your Tape Fence



Horse Fence

Here is an example of a 15 acre pasture with 3 strands of electrified tape:

The perimeter of the fence is 3280' with 820' on each side of the square (Note: this is the same area used in our 13 cent per foot sample package using 6 strands of 12.5 gauge wire shown on page 3. We have used the same area so you can compare several types of fence).

Please refer to the diagram on the bottom of page 3. There are 3 corners, the fourth corner consists of 2 ends making a gateway. The first step is to install all your end and corner posts. End and corner posts should be 5 inch diameter. They do not need to be braced but should be 3.5 to 4.5 foot in the ground and well tamped if they have not been driven. The posts between the corners and ends - line posts - can be wood, metal T-posts or fiberglass. We use wood posts in our example. The line posts are figured at 15 foot spacing with 4.5 feet above ground. If you use wood posts and plan to paint them, it is best to do so before attaching the insulators.

After all the posts have been installed, attach the top insulators to the corner and end posts, as you unwind the top strand of tape. The line post insulators will be installed later. Three strands of tape will be placed 16 inches apart, starting 4 inches from the top of the posts. So at each corner and end post, install an end/corner clamp (JEEW). The JEEW has 2 plastic wing screws that will securely hold the tape in place. Start at the end post by the gate. Insert the tape into a JEEW

that has been attached to the inside of the end post. Put a rod through the hole in the tape spool and pull out the entire first roll, walking toward the first corner. Attach the next roll to the first roll with a JR24 splice buckle. As you unwind the next roll, you will reach the next corner. At this corner, insert the tape into the JEEW that has been attached on the inside of the corner post. Don't tighten the wing screws (so tape can flow through the insulator). At the end of the second roll of tape, attach a JR24. Attach the third roll to the other side of the buckle and unwind it until you get to the back corner post. Put the tape through the JEEW, pull out the slack and tighten clamp.



If you have rolling ground, be sure you can attach the tape to the rise and dip posts without too much tension. This is not a high tension fence. Take out the sags, but do not put much tension on it. Save the strength to allow for snow load or something hitting the fence.

You are now ready to install line post insulators and insert the tape. The wood post insulator (J16W) should be installed 4 inches from the top of each line post. The second section, and other stretches of tape, should be installed the same way. It is best to attach the electric wire from the charger to the tape at buckles. When there is a lot of growth on the bottom strand, you may want to disconnect it so the top 2 strands stay hot.



Safe-Fence™



Safe-Fence™ is designed to provide the most effective horse fencing possible, relative to the basic needs of the horse owner. Based on the electric fence concept, this lightweight poli-tape style fence is strong (750 pound breaking strength), safe and visible. The 1.5 inch

wide ribbon has 15 stainless steel conductors and comes in white or black. It has a 20 year limited factory warranty, effective only with post spacing 16 ft or less. Use steel "T" posts for quick installation and get a great look by slipping the white vinyl sleeves over them.



Do It Yourself Cost				
15	656' White 1.57" Tape ss	JGW	59.00	885.00
15	Tensioner/Clamp - White (1.6" Tape)	JEEW	1.75	26.25
26	Nail-On Insulator (1.6") White	J16W	5.75	149.50
14	Splicer Buckle	JR24	1.65	23.10
Subtotal - 3 strands White, 1.57" Tape (33¢/ft)				\$1083.85
5	CCA Wood 5-6" x 8', FOB	PC5	10.71	53.55
180	CCA Wood 4-5" x 7', FOB (3 bundles)	PV4	6.52	1173.60
35	CCA Wood 4-5" x 7', FOB (each)	PV4	6.99	244.65
Total including posts at 15' OC (78¢/ft)				\$2555.65

825 ft. roll 1.5 Inch Wide Ribbon, White	JH3	112.00
825 ft. roll 1.5 Inch Wide Ribbon, Black	JZ3	112.00
200 ft. roll White 1.5 Inch Wide Ribbon	JK3	40.89
Universal Wood Post Insulator, 25/pk	JR16	8.60
White Universal Wood Post Insulator 25/pk	JR16W	8.60
T-Post Insulator 25/pk	JTP	6.00
Round Rod Post Insulator 25/pk	JRP	7.10
Splicer Buckle, priced as one each	JR24	1.65
End Buckle+Ins.+Lag Screw, White, 2/pk	JR40W	4.80
End Buckle+Ins.+Lag Screw, Black, 2/pk	JR40	4.80
Corner Buckles+Ins.+Lag Screw, White, 2/pk	JR50W	7.00
Corner Buckles+Ins.+Lag Screw, Black, 2/pk	JR50	7.00
T-style Buckles+Ins.+Lag Screw, White, 2/pk	JR55W	9.20
T-style Buckles+Ins.+Lag Screw, Black, 2/pk	JR55	9.20
Wire Connector, 4/pk	JR59	3.30
White T Post Sleeve, vinyl, each, FOB	JR1755	3.95
Wood 4x4 Sleeve, vinyl, each, FOB	JR4005	14.95

This is an example material list to do the same 15 acre square pasture (3280 feet of fence) with 3 strands of electrified rope. There are three corners with the fourth corner being two ends making a gateway. End and corner wood posts (5 inch diameter) do not need to be braced, but they should be 3.5 to 4.5 foot in the ground and well tamped if they have not been driven. Wood, (plastic step-in posts can be used), will be figured at 32 foot spacing. To make a strong connection, overlap 12" of rope, then at the midpoint place both strands into one side of the CWBT clamp. The rope ends should then be bent 180 degrees around the bolts and placed on the opposite side of the clamp. The extra strength comes from clamping rope against rope. You may want to retighten the clamps after you have tensioned the fence. To get good electrical connections, melt the rope about 2" from the ends, pull the plastic off, then twist the wires together from both ends and use a crimp sleeve or plastic wire nut.

To keep the horse safe from entanglement, you may prefer to have the clamp act as a fuse which will let loose at around 200 pounds. In this situation, just lay the ropes on each side of the clamp and snug it down. Placing posts at 10 foot spacing will also make the fence safer.

Rope makes an electric fence that is much more visible than wire or twine. It does not require braced end posts and it is easy to hand knot. Round rope doesn't wind whip as much as electric ribbons so post spacing can be wider and the higher breaking strength allows it to handle much more abuse. Rope works great for making electric gates. (RO4) is 4 times more conductive than (RO2) or 9 strand NZ twine since the stainless steel conductors are .4 mm diameter compared to .16 mm. If the fence is several miles long, the (ROU) rope with copper conductors may be helpful. We do not recommend copper conductors in most situations since stainless steel will handle much more abuse.

Do It Yourself Cost				
15	656' white 6 x .4 SS 15lb	RO4	49.75	746.25
12	Large White Claw Insulator - Wood Posts	ICCW	5.75	69.00
8	Two Bolt Rope and Wire Clamp 3/pk	CWBT	2.55	20.40
18	Economy Lag Corner Insulator	ILCW	1.37	24.66
3	Double Hook for Gate Handles,	GHUD	1.20	3.60
3	White Polycarbonate/Stainless Gate Handle	GPCS	4.95	14.85
Total for 3280' of 3 strand White Fence Rope (26¢/ft)				\$878.76



The 2 bolt **Rope and Wire Clamp** (CWBT) is mainly for rope connections. Its strength allows it to be used as a splice in fences where occasionally an opening is needed, like at a utility right-of-way. Make a loop in each end of the wires. Put a loop on each of the 2 bolts in the clamp, then put on the 2nd plate and tighten the bolts. To open again, only a bit of slack is needed. The wires also can be placed parallel in the clamp to allow quick low-tension joints for flood areas or safety. The clamp can be used for easy tension adjustments, especially if you use electric rope. It may even work as the "fuse" which opens before a gate handle is broken. Powder coated white.

Two Bolt Rope/ Wire Clamp 3/pk, White CWBT 2.55

Kencove now has the largest diameter electric rope! At nearly 1/3" diameter the RO8 rope has exceptional visibility, conductivity, long life and strength. Use the same construction techniques as our other rope products. FREE SHIPPING!



1/3" Electrified Rope			
656' white +green 6 x .4 Stainless	15 lb	RO8	69.75

1/4" Electrified Rope			
656' White 6 x .2 Stainless Steel	9 lb	RO2	32.50
656' White 6 x .4 SS	10.5 lb	RO4	49.75
656' White+green 6 x .3 Copper	10 lb	ROU	49.75

Keepsafe™



Keepsafe™ Horse Fence

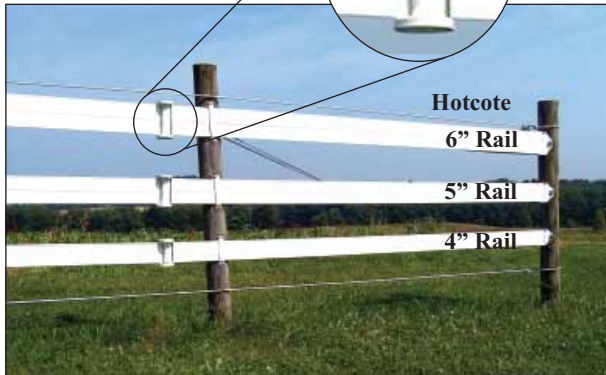
REDBRAND™ V-Mesh has long been recognized as the safest woven wire for horses, alpaca and other high value livestock. The diamond weave pattern forms a strong but flexible mesh construction. This pattern prevents hooves and legs from becoming caught in the fence. 12.5 gauge horizontal and 14 gauge verticals. With recent production improvements, this fine product is NOW AVAILABLE IN CLASS 3 GALVANIZED WIRE.

LOWER PRICE ⚡

Keepsafe™ Diamond Mesh Class 3 Galvanized			
HEIGHT	ROLL LENGTH	CODE	PRICE
50"	165 FT	WV50	355.75
58"	165 FT	WV58	428.75



**WSS6* -
6" Rail with spooler**



FLEXIBLE HORSE RAIL

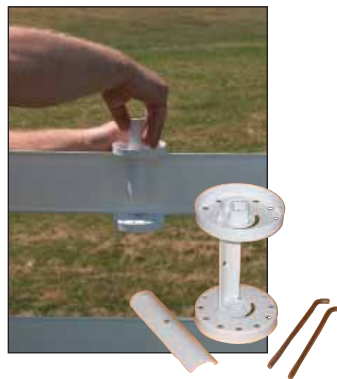
This system is available 4", 5" or 6" wide, and makes an attractive, eye catching fence. The popular 4" has 12.5 gauge wire molded into the top and bottom. The 5" and 6" has 3 wires top, bottom and center, giving extra strength and visibility. Because this rail is made from UV-stabilized, premium grade poly-ethylene on pre-straightened, 180,000 minimum PSI high tensile, galvanized wire it has a long life and requires very little maintenance. The patented method of bonding wire and plastic together eliminates the chance of wire oxidation and creates the "next generation" of coated wire and rail products. It handles abuse better than any other type of rail fence you can buy. Posts should be no more than 12 foot apart. The ends and corners must be braced well to handle the abuse this fence can take.



Rail and accessories available in white, black and brown.

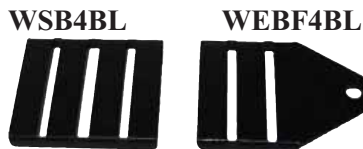
Spoolers, FOB		
4"	WSS4*	7.95
5"	WSS5*	9.95
6"	WSS6*	9.95
* = Indicate color W, BL, BR		

Split Spoolers, FOB		
4"	WSSS4*	12.50
5"	WSSS5*	13.00
6"	WSSS6*	13.50
* = Indicate color W, BL, BR		

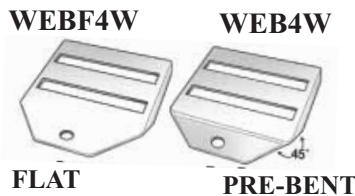


Rail (FOB)		
4" Rail, 660 ft coil	WSR4*	287.00
5" Rail, 660 ft coil	WSR5*	402.60
6" Rail, 660 ft coil	WSR6*	499.00
White Rail, 330 ft coil	WSR4W3	187.00
* = Indicate color W, BL, BR		

Quantity Discounts	
10-19 rolls	SAVE 5%
20 or more rolls	SAVE 10%



End Buckles, FOB			
	FLAT	PRE-BENT	
4" End	WEBF4*	WEB4*	5.50
5" End	WEBF5*	WEB5*	6.00
6" End	WEBF6*	WEB6*	6.25
* = Indicate color W, BL, BR			



Splicer Buckles, FOB		
4" Splicer Buckle	WSB4*	5.50
5" Splicer Buckle	WSB5*	6.00
6" Splicer Buckle	WSB6*	6.25
* = Indicate color W, BL, BR		

Top Brackets, FOB	
White 4"	WSBT4W .75



Line Brackets, FOB	
4"	WSBL4* .75
5"	WSBL5* 1.25
6"	WSBL6* 1.50
* = Indicate color W, BL, BR	



Stainless Steel Screws (HSS175)
Kencove now offers a heavy 1.75" stainless steel wood screw for a secure and attractive method of attaching insulators. Stainless steel is highly recommended when using ACQ lumber.

Round Line Brackets, FOB	
4"	WSBR4* .75
5"	WSBR5* 1.25
6"	WSBR6* 1.50
* = Indicate color W, BL, BR	



Hardware (FOB)		
HD Galvanized Nails 4"	WSN4	.15
HD Galvanized Nails 5"	WSN5	.19
HD Galvanized 1/2" x 4" Lag Screw /Washer	WEBB	.75
4 1/4" Staples, FOB	WSPSB	.24
1.75" SS Screws, pk/50	HSS175	3.25

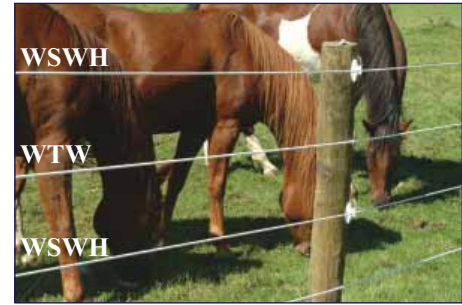


KENCOTE

Kencove introduced Kencote, a plastic coated wire, to the fencing market in 1992. This wire adds visibility, safety and good looks to any high tensile strength fence. Kencote is made with our high strength USA 210 12½ gauge wire as the core and is coated with high quality, UV resistant plastic. Overall thickness is about .3

inch, making it the most visible coated wire on the market. It is available in white, brown or black, in 1320 foot coils. Shorts are an excellent way to reduce costs. Kencove's (WTW) coated wire has the wire glued to the plastic. This bonded Kencote has a 12 year limited replacement warranty from the factory.

Coated wire should be put under tension before stapling. Wide 2-inch staples should be used (sold separately; see page 13). It can be pulled around one, possibly two, corners depending on length of run. Kencote makes an excellent sight wire on high-tensile fencing used for horses. Unbonded Kencote is also available.



Kencote - Coated Wire 1320 ft, 68 lb, FOB		
Bonded, with warranty	WT*	128.00
Shorts, bonded w/ warranty	WTWFT	.065/ft.
*= W (white), BL (Black), BR (Brown)		
Quantity Discounts		
5 or more rolls, bonded	WTW	121.60



HOTCOTE

Finally there is a plastic coated white wire, like Kencote, that can be electrified. The black plastic core is conductive and comes to the surface in 3 narrow lines. The rest of the surface is white UV-resistant plastic. This wire adds electric, visibility, safety and good looks to any fence. HotCote is also made with our high strength USA 210 12½ gauge wire as the core. It is available in white 1320 foot coils. Shorts may be available. HotCote is easier to strip to the wire than the WTW. Ten year limited factory warranty.

Coated wire should be put on insulators large enough to hold it, such as ICCW, IRTC, I8P or I8PW. It can be pulled around one, possibly two, corners depending on length of run. HotCote makes an excellent sight wire for electric horse fence.



Hotcote, FOB		
White 1320 ft roll	WSWH	159.00
Brown 1320 ft roll	WSWBR	159.00
Black 1320 ft roll	WSWBL	159.00
4" HotCote Insulator 100	I4H4	5.90
100' HotCoteTube White	I4HW	12.75
Pin Lock Black, 25/pk	I8P	6.25
Pin Lock White, 25/pk	I8PW	6.50
Claw Large, Black, 25/pk	ICCB	5.75
Claw Large, White 25/pk	ICCW	5.75

Kencove Wire Cover

Very visible white tube with a 3/8 inch outside diameter. This has a slit running the 500 foot length so it can be installed on existing high tensile fence. Lengths can be cut to fit between posts. If you want a better look, remove the staple right ahead of the tube and then staple again over the tube. The Kencove Multi-Use tool (TEC) will make pulling staples simple. Your fence can have a whole new look with little cost. Electric is recommended on a bare wire near the covered wires.

Wire Cover 500 ft FOB	WWC500	50.00
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Kenrail-Lite is a very attractive and eye catching One-Inch Rail. Keep the cost down while maintaining good appearance, safety and extra long life. This has a 12 year limited manufacturer's replacement warranty. To keep the tightener close to the post, loops should be crimped before hand and dropped over the end post. The other option is to use a case hardened pole barn nail to put the tightener onto the side of the post.

A staple driver should be used to install the wide staples. Do not drive them tightly against the plastic. The rail must be free to move under pressure.



KenRail Lite - 1" Rail, 14 Gauge Core		
White, 750 ft, FOB	WR4W	164.50
Brown, 750 ft, FOB	WR4BR	164.50
Black, 750 ft.,FOB	WR4BL	164.50
Shorts, FOB (*=W/BR)	WR4*FT	.15/ft
1 Inch Staples		
Staple - Class 3 galv.	HRS	.15/each
1" Staple Driver, FOB	TRSD	10.00

Deer Net



An easy way to keep deer out of gardens and shrubs is to hang black stretched polypropylene netting (Openings - 2" x 2.75" mesh) on light and easy to install fiberglass or steel posts. Install posts every 10-15 ft.. Use nylon cable ties to fasten the net to the post. If the ends and corners are strong, a high tensile steel wire at the top, middle and bottom of the fence will support the nylon net to

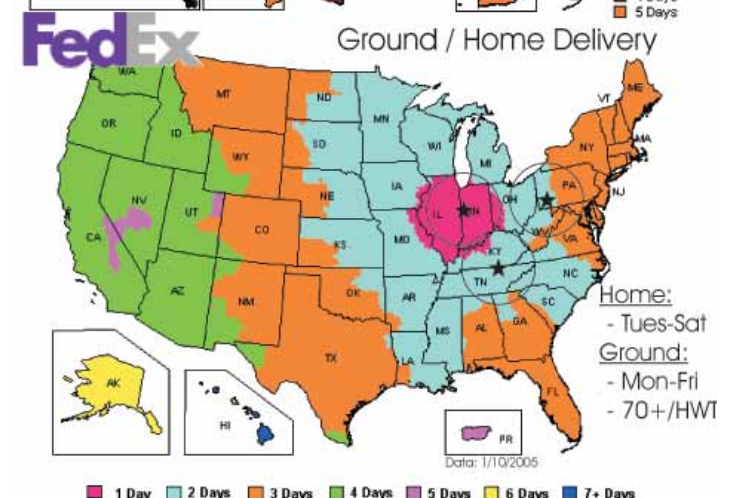
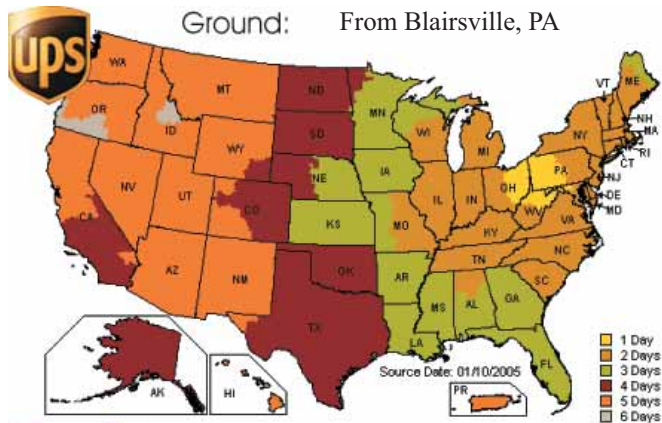


allow wider post spacing with a neat appearance. If you have enough trees (no more than 35 feet apart), posts may not even be needed. If there are no trees at the ends and corners, a simple-to-install brace assembly using steel T-posts can be used. Ground staples may be used every 12 feet to keep deer from pushing underneath. It is good to add visibility for the first month or two with fence flags (MFF) 4 foot high or white electric ribbon (RWR) 3 foot up. After this time the fence will be virtually invisible in vegetation. If you use peanut butter bait on an electric fence (wire, twine, or ribbon), that may be all the fence you need.

This net also is a good product to strengthen an electric 5 or 6 wire 5 foot deer fence. Because the net is not a conductor, just hog ring or nylon tie it right to the high-tensile steel wires. This net does not have a lot of strength. If a deer runs into the net, it may go through. Because of the plastic material, this fence has a relatively short life.

Deer Fence (Exclusion)		
5'4" x 150', FOB	DN313A	67.00
5'4" x 300', FOB	DN313B	127.25
6'8" x 300', FOB	DN313H	169.00
8' x 150', FOB	DN313C	93.00
8' x 330', FOB	DN313D	197.00
Ground staples 6" legs, 250/pk	DGS	17.50
8' x 165' Extra Strength	DN313XS	179.00
8" Nylon Cable Ties, 100/pk	DN121G	6.00
8 Ga. Nylon Wire, black, FOB	DW152	.16/ft.
Hog Rings, 1000/pk	CHR	19.00
Automatic Hog Ring Gun	THG	115.00

Delivery Times



Shipping

“FOB” indicates you would pay all the shipping on those items. (We pay for standard shipping on the portion of your order that is not marked FOB (when available). If a truck shipment is lower cost and you can unload a truck, we pay the portion of the truck shipment cost that is non-FOB). FOB items are subject to change, please call or visit www.kencove.com for current FOB items.

UPS/FedEx charges:

- \$5.00 for Address Corrections (Billed to customer if applicable)
- \$12.50 Saturday Delivery charge (pickup or delivery)

Kencove charges residential delivery rates for all FOB shipments. It is difficult for us to know when a lower rate is used until after it has been delivered. If you would like us to bill your UPS/FedEx account let us know when placing your order.

- Non-FOB orders under \$50 charged actual shipping.

KENCOVE PAYMENT POLICY

Sales Tax is charged in PA, OH, IN, and KY.

Signed forms are needed to show tax exempt status.

1. MasterCard/Visa/Discover Card
2. COD customers pay \$7.50 COD fee on orders under \$300.00
3. Pre-Payment (check/money order) received prior to shipping
 - A) Call for quote, including applicable shipping charges.
 - B) Make check payable to: Kencove Farm Fence, Inc.
 - C) \$15.00 Returned Check Fee

ORDER ONLINE FOR AUTOMATIC TRACKING #'s BY EMAIL

1. Free delivery on Orders over \$50.00 with no FOB items. This applies to the Continental US only. Higher rates apply to AK, HI, and Canada - Call for shipping quotes in these locations.

2. Orders under \$50.00 with no FOB items = \$7.50 shipping & handling OR call for actual shipping amount.

3. Customer pays all shipping on FOB items.

PRICES SUBJECT TO CHANGE WITHOUT NOTICE

10% Restocking fee applied to all returned products

Gift Certificates now available! Call for details.

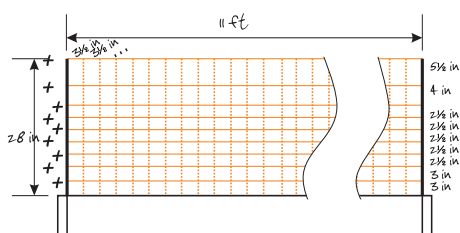
Kencove Farm Fence, Inc.
344 Kendall Road
Blairsville, PA 15717
Phone: 724-459-8991
Fax: 724-459-9148
www.kencove.com

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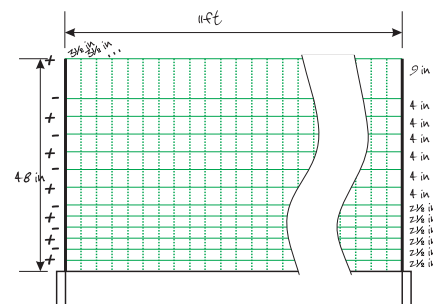
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Electric Net Fence gives great protection from predators. Originally it was designed to hold sheep. Now it is used with goats, poultry, geese, dogs, rabbits, deer, calves, gardens, shrubbery and more. You will be surprised how quickly this can be put up and taken down.

Kencove's Electric Net Fencing is made from 3 stainless steel strand electric twine that is attached together to make woven fence ranging in height from 28 inches up to 48 inches. Originally the vertical stays were made only of twine. Kencove now also has netting with SEMI-RIGID VERTICAL STAYS EVERY 3.5 OR 7 INCHES. The semi-rigid stays help keep the net from drooping and shorting the lower strands. This is closer spaced than other netting that uses molded plastic vertical stays every 12 inches.



Double-pin step-in post for easy installation and better stability.



Graduated spacing provides extra security at bottom of fence line.

Electric Netting, 164 ft Rolls (ALL FOB)								
Description	Line Wires	Height	Stay Spacing	+/-	Code (Orange)	Code (Green)	Code (Black)	Price
Sheep & Goat	9	40"	7"		NSG	NSGG	NSGB	97.95
Sheep, Goat, Poultry	12	40"	7"	X	NSG12X			115.75
Poultry	14	48"	7"		NP7	NP7G	NP7B	122.50
Poultry	14	48"	7"	X	NP7X			133.50
Poultry	14	48"	3.5"		NPC	NPCG	NPCB	155.75
Poultry	14	48"	3.5"	X	NPX			171.50
Deer & Horse	13	48"	7"		ND7	ND7G	ND7B	115.75
Rabbit- Garden	10	28"	3.5"		NRC	NRCG		137.95
Rabbit - Garden	10	28"	3.5"	X	NRX			144.50
Rabbit - Garden	10	28"	7"		NR7	NR7G		97.95
Replacement Posts								
Replacement Post for NSG/NSG12X Sheep Net						NSGP		4.30
Replacement Post for NPC, NP7, NP7X and ND7						NPP		4.70

The stainless steel conductors mean these nets are expected to last several times longer than copper conductor nets. Conductivity is rarely a problem with electric nets. Don't use weed-burner type fence chargers with any electric twine material.

Plastic posts with steel spikes are built into the netting. The 2 pin options have a second bent pin attached to the main pin. This gives a step for easy installation and more stability after it is in the ground. Our 164 foot nets include a repair kit. This fence works best for small enclosures that need tighter control. Mow the back yard with a goat. Give your dog some new space with a portable pen.

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