

SUPERIOR ALL AROUND FENCE PRODUCTS



POCKET GUIDE

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SUPERIOR ALL AROUND FENCING PRODUCTS

STAY-TUFF is known in the agricultural market for our fencing expertise and installation training. We manufacture the fencing industry's premier high-tensile fence and a full line of conventional fencing products and accessories.

Our fences are renowned for their impact resistance and durability. In fact, our Fixed Knot fence has three times the life and almost four times the strength of the average low-tensile fencing.

Our sales staff are fully knowledgeable about all facets of fence construction and spend many days each year building demonstration fences so that our customers can see the true benefits of a genuine STAY-TUFF fence.

Our mission is to make our customers fence building experience a great one by using our expertise and high-quality products to help them focus on their farm operation and not worry about the fence.

WHERE FARMERS & RANCHERS
MEET THE EXPERTS



**STAY STRONG.
STAY TIGHT.
STAY-TUFF**

HOW TO READ

STAY-TUFF FENCE NOMENCLATURE

FIXED KNOT FENCE

Read the following example to know how to read a STAY-TUFF fence design.

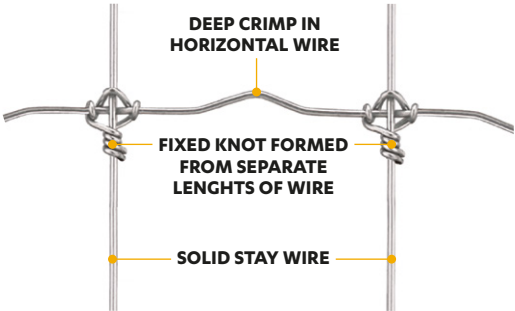
ST 735 - 6 - 330

- ST** — STAY-TUFF
- 7** — Number of horizontal lines
- 35** — Height of fence in inches
- 6** — Spacing between vertical wires
- 330** — Roll length in feet

WIRE	GAUGE	TENSILE STRENGTH
Top & Bottom	12	High Tensile 185K-215K
Line	12 1/2	High Tensile 185K-215K
Stay	12 1/2	High Tensile 130K-150K
Knot	13	High Tensile 65K-85K

WIRE	BREAKING LOAD	GALVANIZATION
Top & Bottom	1462 lbs-1696 lbs	.85-1.1 oz Zinc/sqft
Line	1350 lbs-1585	.85-1.1 oz Zinc/sqft
Stay	934 lbs-1094 lbs	.85-1.1 oz Zinc/sqft
Knot	438 lbs-580 lbs	.85-1.1 oz Zinc/sqft

Meets or Exceeds Class 3 Galvanized.



BETTER FENCE

STAY-TUFF adds a third knot-wire that is twisted around the vertical and horizontal wires under pressure-locking them tight. This knot provides far greater vertical and horizontal holding strength. Even under heavy pressure, the fence cannot be torn apart unless the wire breaks.

SOLID VERTICAL STAY

The solid vertical stay in fixed-knot fence gives the fence vertical strength. The fence stands up by itself, fixed-knot fencing needs fewer posts between the braces, and that saves on overall costs.

DEEPER CRIMP

The fence can give and then spring back undamaged from impact. The deeper crimp also means that the fencing will adjust more easily to uneven terrain.

HIGH TENSILE WIRE

High tensile wire is up to 3 times stronger than commonly used 12.5 gauge low-tensile fencing.

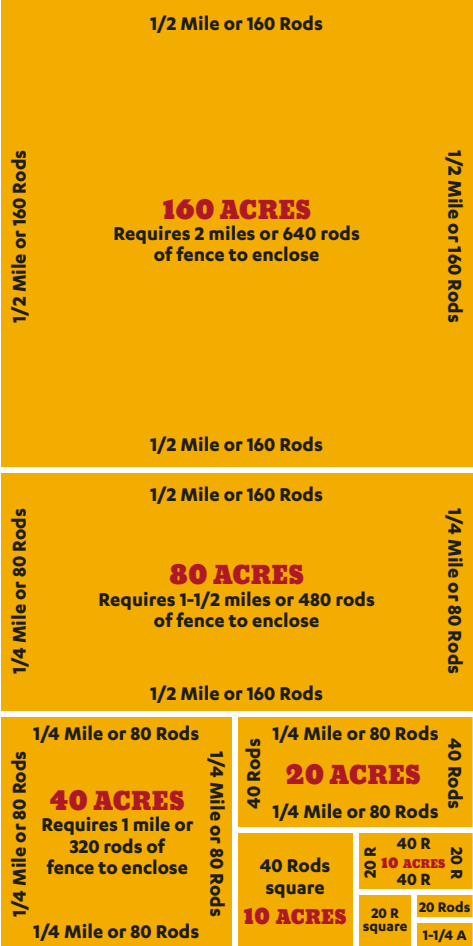
This wire will elongate less than 1% meaning the fence will stay tight.

HEAVIER GALVANIZATION

The fence is manufactured with Class 3 galvanization, which is almost triple the zinc rust protection on most conventional farm fencing.

ACREAGE GUIDE

Use the diagram below to calculate the number of rods required to enclose fields of different sizes. These are suggested guidelines using the square area to be fenced.



1 Rod = 16.5 ft
10 Rod = 165 ft
20 Rod = 330 ft

1/4 mile = 1,320 ft or 80 Rods
1/2 mile = 2,640 ft or 160 Rods
1 mile = 5,280 ft or 320 Rods

ACREAGE CHART

These are suggested guidelines assuming the square area to be fenced. The amount of fence required will increase as the area gets narrower and longer.

Acre	Fence 20 Rod Rolls	Fence 100 ft Rolls	Barb Wire 80 Rod Rolls 1 Strand	Acre	Fence 20 Rod Rolls	Fence 100 ft Rolls	Barb Wire 80 Rod Rolls 1 Strand
1	3	9	1	65	21	68	6
2	4	12	1	70	22	70	6
3	5	15	1	75	22	73	6
4	5	17	2	80	23	75	6
5	6	19	2	85	24	77	6
6	7	21	2	90	24	80	6
7	7	22	2	95	25	82	7
8	8	24	2	100	26	84	7
9	8	25	2	105	26	86	7
10	8	26	2	110	27	88	7
11	8	28	3	115	28	90	7
12	9	29	3	120	28	92	7
13	10	31	3	125	28	94	7
14	10	31	3	150	31	103	8
15	10	33	3	175	34	111	8
16	11	34	3	200	36	118	9
17	11	35	3	225	38	126	10
18	11	36	3	250	40	132	10
19	11	37	3	275	42	139	11
20	12	38	3	300	44	145	11
25	13	42	4	325	46	151	12
30	14	46	4	350	48	157	12
35	15	50	4	375	49	162	13
40	16	53	4	400	51	167	13
45	17	56	5	425	53	173	13
50	18	60	5	450	54	177	14
55	19	62	5	475	56	182	14
60	20	65	5				

DEER-TUFF

USES

- Deer farming, deer exclusion, or any deer management and control application.
- All types of Exotic Deer.
- Hunting ranches, airport & roadside protection.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.
- Extra strong bottom and top wires.



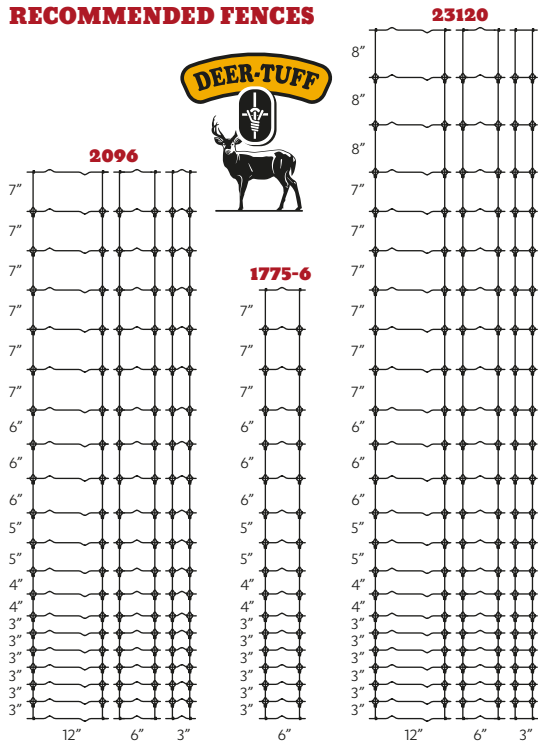
ADVANTAGES

- Impact-resistant strength. The knots will not unravel, break, or slide.
- Won't sag or stretch even under snow/ice load or extreme temperature changes.
- Resists rust & corrosion. Lasts 3 to 4 times as long as standard farm fence.
- Resists predator penetration.
- Saves money on materials. Longer distances between posts as compared to standard low-tensile two-panel fence systems.
- Saves money on labor costs. Knots are stripped on both ends of the fence, ready to tie. Saves 20-30 minutes per roll.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCK LOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-880	ST 2096-6-330	408	114	6	20	96	6	330
ST-881	ST 2096-12-330	290	138	6	20	96	12	330
ST-882B	ST 2096-3-200	392	114	4	20	96	3	200
MADE TO ORDER ITEMS								
ST-884	ST 2096-6-500	620	76	4	20	96	6	500
ST-883	ST 2096-12-660	580	78	4	20	96	12	660

FENCE SPEC	WHERE USED	REASON
2096-12	Boundary fence, deer exclusion, low pressure areas.	12" spacing economy.
2096-6	Boundary fence, medium-to-high pressure.	Strong, cost-saving 6" spacing.
2096-3	Breeding & fawn pens, high pressure areas.	Tighter 3" spacing for greater strength & smaller animal control.
1775-6	Internal fence for smaller deer species.	Lower fences with 6" spacing save on materials costs-deciding factor is jump height of species in question.
23120-12	Boundary fence, deer exclusion, low pressure areas.	12" spacing for economy.
23120-6	Boundary fence, medium to high pressure.	Strong, cost-saving 6" spacing.
23120-3	Breeding & fawn pens, high pressure areas.	Strongest fence with 3" spacing.

RECOMMENDED FENCES



HORSE-TUFF



USES

- Horse fencing.
- Horse paddock side lines and bordering protection.
- Pastures.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.



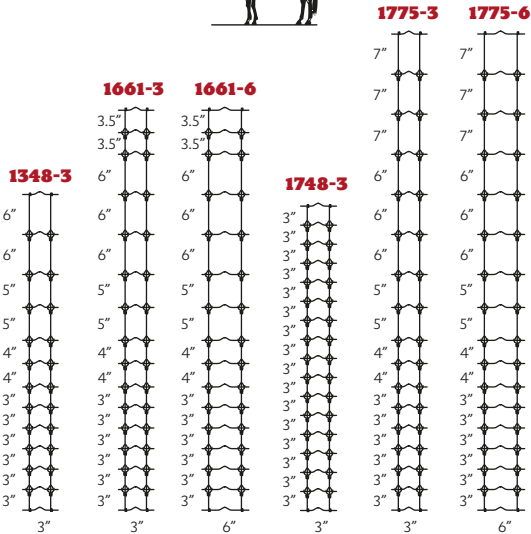
ADVANTAGES

- Installs for less than traditional horse fencing.
- Safe 3" spacing holds up to horse hooves and cuts down on expensive injuries.
- Stronger and more durable compared to low-tensile horse fence.
- Rust and corrosion resistant. Lasts 3 to 4 times longer than traditional low-tensile horse fence.
- Holds its shape. The fence fabric gives with pressure and won't stretch out of shape.
- Can be used in conjunction with rail fences.
- Faster and easier to build. Fewer posts to set, plus our new Redi-Roll feature saves time on stripping roll ends.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCK LOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-856	ST 1661-6-330	303	130	6	16	61	6	330
ST-855B	ST 1661-3-200	286	130	4	16	61	3	200
MADE TO ORDER ITEMS								
ST-858	ST 1661-12-330	221	234	6	16	61	12	330
ST-857	ST 1661-12-660	441	130	4	16	61	12	660
ST-782B	ST 1748-3-200	280	128	4	17	48	3	200

FENCE SPEC	WHERE USED	REASON
1661-3	Stalls, holding pens, runways.	3" spacing is durable, holds its shape, resists pawing.
1661-6	Pasture & perimeter fence, low pressure areas.	6" spacing is economical, tall, resists downward pressure.
1775-3	Handling areas, stalls, holding pens, crowded areas.	Durable, tall, resists high pressure with 3" spacing.
1775-6	Pastures, exterior, cross-fences.	Durable, height discourages necking down.
1348-3	Stalls, holding pens, runways.	Short but strong 3" spacing.
1748-3	Stalls, holding pens, runways.	Short but strong 3" spacing.

RECOMMENDED FENCES



GOAT-TUFF

USES

- Takes the fencing headaches out of raising goats.
- Pasture & cross fencing.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.



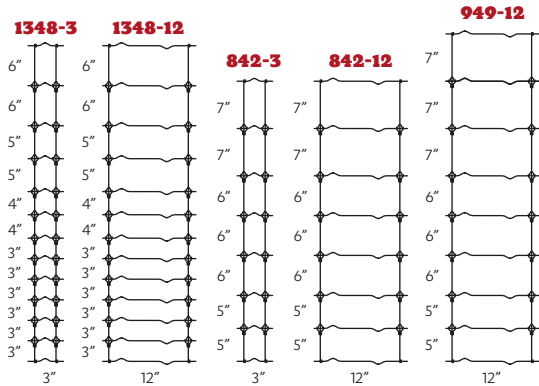
ADVANTAGES

- Economical. Total construction cost is less than standard net wire with barbed wire.
- Resists rust & corrosion. Lasts 3 to 4 times as long as standard farm fence.
- Superior strength. 3 times stronger than standard net wire.
- Impact resistant. The fence fabric gives with pressure and does not stretch out of shape.
- Won't sag or squash with downward pressure.
- Low-to-no-maintenance fence.
- Multiple function designs.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs.)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-831	ST 1348-12-330	178	234	9	13	48	12	330
ST-833	ST 1348-12-660	356	130	5	13	48	12	660
ST-832B	ST 1348-3-200	228	130	5	13	48	3	200

FENCE SPEC	WHERE USED	REASON
842-3	Pasture & exteriors, raceways, birthing areas, kid pens, holding pens, high pressure areas.	3" spacing for complete predator control - predators can't get through.
842-12	Pasture, interior, and cross fencing.	Economical 12" spacing.
949-12	Pasture, interior and cross fence for larger goats, low pressure areas.	Economical 12" spacing for bigger goats.
1348-3	Pasture, exteriors, raceways, birthing areas, kid pens, holding pen.	3" spacing for complete predator control.
1348-12	Pastures, exterior fences.	Economical 12" spacing with predator control.

RECOMMENDED FENCES



CATTLE-TUFF

USES

- Specifically designed for livestock control.
- Pasture & cross fencing.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.
- CATTLE-TUFF (949-12) is stronger than typical "Bull" wire you can buy.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs.)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-820	ST 949-6-330	189	130	6	9	49	6	330
ST-821	ST 949-12-330	134	234	9	9	49	12	330
ST-823	ST 949-12-660	267	130	5	9	49	12	660
MADE TO ORDER ITEMS								
ST-822B	ST 949-3-200	200	130	5	9	49	3	200

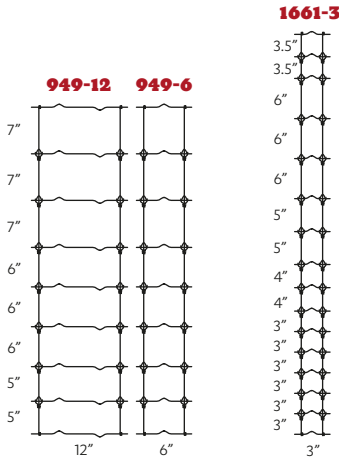
FENCE SPEC	WHERE USED	REASON
949-12	Boundary & pasture fence, low pressure areas.	Cost saving with 12" spacing over long distances.
949-6	Internal & corral fence, high pressure areas.	6" spacing for greater strength.
1661-3	Corrals, high pressure areas.	Higher fence, 3" spacing for maximum strength and animal control.



ADVANTAGES

- Installs for the same as a 5-strand barbed wire fence.
- Stronger than a 9 gauge hinged joint or barbed wire fence.
- Lasts 3 to 4 times longer than traditional hinged-joint fence.
- Better able to absorb impact and maintains its tension even during severe temperature and climate changes.
- Uses up to 40% less posts when compared to barbed wire so requires less labor time and is easier to install.
- Does not sag or squash down the way traditional hinged joint farm fence does.
- Kinder to animals and less damage to the animal's hide.
- Cattle are unable to put their head through this fence.
- Superior design means the maintenance is negligible.

RECOMMENDED FENCES



HOG-TUFF



USES

- New alternative to traditional hog fence or panels.
- Feral Hog Control
- Low fencing.
- Apron fence for predators.
- Add on for fence height.

FEATURES

- Redi Roll - Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.



ADVANTAGES

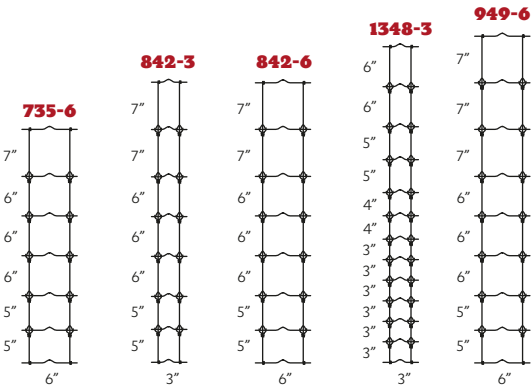
- Woven fixed-knot fence fabric restricts escape or entry.
- Stronger than 9 gauge hinge-joint field fence wire.
- Knots do not move or lose grip with pressure from stock-hogs can't "wallow" a hole in the fence fabric.
- Lasts 3 to 4 times longer than traditional hinged-joint fence.
- Won't sag or squash with downward pressure.
- Elasticity - bounces charging animals back like a trampoline without stretching out permanently.
- Cost savings - post centers can be placed at a greater distance, reducing cost of construction.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs.)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-800	ST 735-6-330	141	260	6	7	35	6	330
ST-802B	ST 735-3-200	135	260	5	7	35	3	165

RECOMMENDED FENCES



FENCE SPEC	WHERE USED	REASON
735-6	Feral hog exclusion, pasture, interior and cross fence.	Low pressure areas, economical 6" spacing.
842-3	Feral hog exclusion, raceways, birthing areas, holding pens, high pressure areas.	3" spacing for complete predator control - predators can't get through.
842-6	Feral hog exclusion, pasture, interior and cross fence, medium to high pressure areas.	Economical 6" spacing.
1348-3	Pasture, exteriors, raceways, birthing areas, hog pens, holding pen.	3" spacing for complete predator control.
949-6	Feral hog exclusion, pasture, interior and cross fence, medium to high pressure.	6" economical spacing for larger animals.



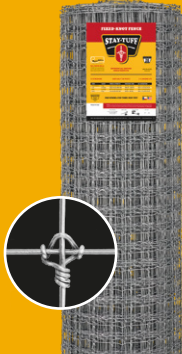
SECURE-TUFF

USES

- For security fences.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.



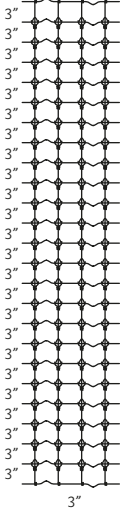
ADVANTAGES

- Woven fixed-knot fence fabric restricts escape or entry.
- Stronger than 9 gauge hinge-joint field fence wire.
- Lasts 3 to 4 times longer than traditional hinged-joint fence.
- Won't sag or squash with downward pressure.
- Cost savings. Post centers can be placed at a greater distance, reducing cost of construction.
- Installs for less than chain link.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (')	SPACING BETWEEN VERTICAL WIRES (')	ROLL LENGTH (')
ST-780B	ST 2572-3-200	418	120	4	25	72	3	200

RECOMMENDED FENCES

2572-3



DOG FENCE

USES

- An excellent alternative to chain link and hinge-joint fencing for dogs.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.

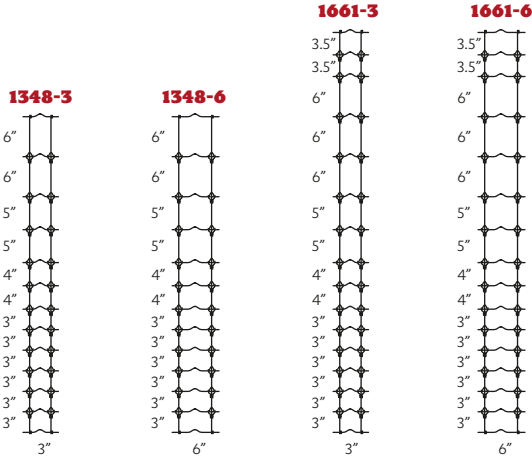


ADVANTAGES

- Costs 30% to 50% less than chain link, and won't unravel if a wire is cut.
- Tight knot spacing prevents even the smallest dogs from getting through.
- Lasts 3 to 4 times longer than traditional hinged-joint fence.
- More economical than welded panels in the same heights.
- Can be installed with wood or steel posts and rails.
- Attractive-less visually obtrusive than chain link.

FENCE SPEC	WHERE USED	REASON
1348-3	Yards, kennels.	3" spacing so the smallest dogs can't get through
1348-6	Yards.	6" spacing so small to medium dogs can't get through.
1661-3	Yards, runs, kennels.	3" spacing for medium to large dogs, for greater containment, higher fence.
1661-6	Yards, runs.	6" spacing for medium to large dogs, higher.

RECOMMENDED FENCES



BISON FENCE

USES

- The ultimate in bison fencing.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.

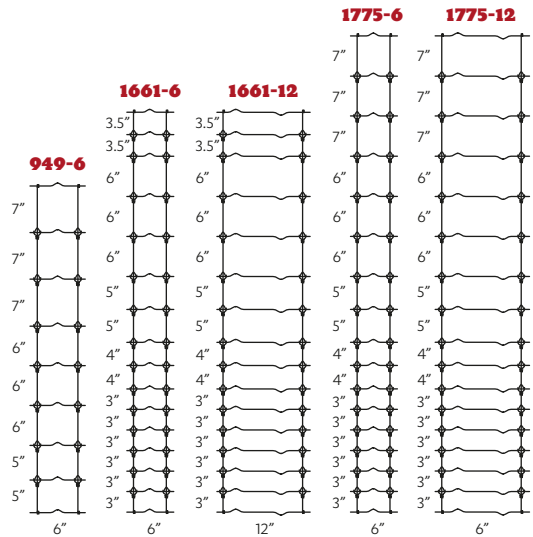


FENCE SPEC	WHERE USED	REASON
949-6	Internal & Corral fence, high pressure areas.	6" spacing for greater strength lifted off ground 6' to 8'.
1661-6	Boundary, medium pressure areas.	Higher fence, but still economical with 6' spacing.
1661-12	Boundary, high pressure areas.	Higher fence, 12" spacing for maximum strength and animal control.
1775-6	Pastures, exterior, cross-fences.	Durable, height discourages necking down.

ADVANTAGES

- Permanent low-to-no-maintenance fence wire.
- Stronger than 9 gauge "Bull" wire.
- Rust and corrosion resistant. Lasts 3 to 4 times longer than traditional field fence wire.
- Stays tight and keeps its shape after impacts and under heavy snow and ice loading.
- Save money on labor and materials. Uses half the posts required for a standard field fence with barbed wire fence.
- Costs the same as a 5-strand barbed wire fence.

RECOMMENDED FENCES



ELK FENCE

USES

- The best choice for elk fencing.

FEATURES

- Redi Roll. Pre-stripped rolls with 18" of vertical stays removed from both ends of the roll.
- Fixed knot fence.
- Heavy duty galvanization.

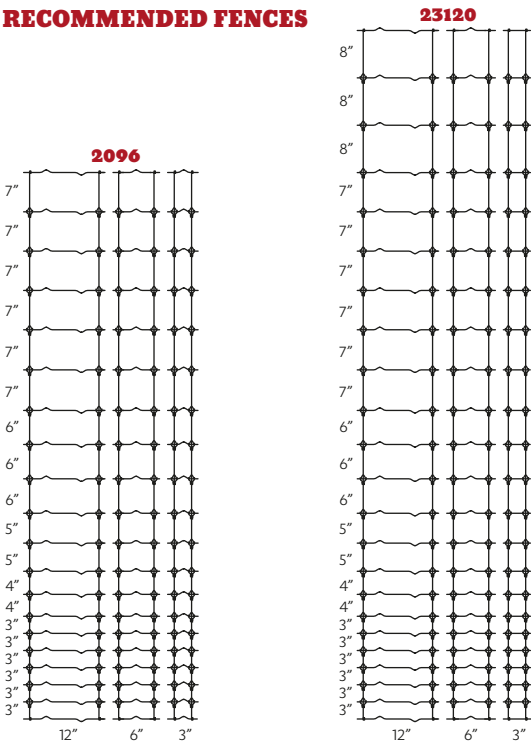


ADVANTAGES

- Strength. Resists the impact of Bull Elk.
- This fence will not tear apart.
- The knots will not unravel or slide apart.
- Won't sag or stretch, even under snow/ice load or extreme temperature changes.
- Resists rust & corrosion. Lasts 3 to 4 times as long as standard farm fence.
- Saves money on materials. Longer distances between posts as compared to standard, low tensile two-panel fence systems.
- Saves money on labor costs. Knots are stripped on both ends of the fence, ready to tie. Saves 20-30 minutes per roll.

FENCE SPEC	WHERE USED	REASON
2096-12	Boundary fence, elk exclusion, low pressure areas.	12" spacing for economy.
2096-6	Boundary fence, medium-to-high pressure.	Strong, cost-saving 6" spacing.
2096-3	Breeding & calf pens, high pressure areas.	Tighter 3" spacing for greater strength & smaller animal control.
23120-12	Boundary fence, elk exclusion, low pressure areas.	12" spacing for economy.
23120-6	Boundary fence, medium to high pressure.	Strong, cost-saving 6" spacing.
23120-3	Breeding & calf pens, high pressure areas.	Tighter 3" spacing for greater strength & smaller animal control.

RECOMMENDED FENCES



OTHER HIGH TENSILE FENCING



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	HORIZONTAL WIRES	FENCE HEIGHT (")	SPACING BETWEEN VERTICAL WIRES (")	ROLL LENGTH (')
ST-860	ST 1775-6-330	337	114	6	17	75	6	330
ST-862B	ST 1775-3-200	320	114	4	17	75	3	200
ST-887	ST 23120-6-330	486	72	4	23	120	6	330
ST-888	ST 23120-12-330	340	120	4	23	120	12	330
ST-886B	ST 23120-3-200	473	72	4	23	120	3	200
ST-830	ST 1348-6-330	244	130	6	13	48	6	330
ST-810	ST 842-6-330	165	260	6	8	42	6	330
ST-811	ST 842-12-330	118	378	9	8	42	12	330
MADE TO ORDER ITEMS								
ST-782B	ST 1748-3-200	280	128	4	17	48	3	200
ST-861	ST 1775-12-330	242	138	6	17	75	12	330
ST-863	ST 1775-12-660	484	90	4	17	75	12	660
ST-813	ST 842-12-660	235	195	6	8	42	12	660
ST-812B	ST 842-3-200	158	260	5	8	42	3	200
ST-814	ST 842-24-660	187	216	9	8	42	24	660
ST-790	ST 735-24-660	163	252	9	7	35	24	660

HIGH TENSILE ELECTRIC FENCE



USES

- Perimeter control and security fence.
- Rotational grazing fence.

FEATURES

- Class 3 zinc coated.
- High tensile wire.
- Meets and exceeds ASTM A-854 and A-641.



ADVANTAGES

- Added electric conductivity.
- Corrosion and rust resistant.
- Easy to unroll and install.

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
DST-417	Tuff Strand 4000 (170 kpsi max)	100	440	20	4000
DST-418	Tuff Strand 4000 (215 kpsi max)	100	440	20	4000
DST-421	Tuff Strand 2640 (170 kpsi max)	65	480	20	2640

HIGH TENSILE SHEEP & GOAT FENCE



USES

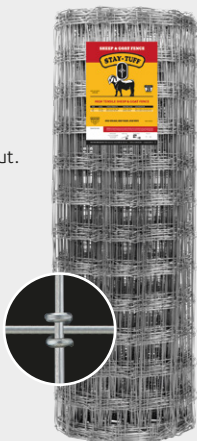
- Perimeter and cross fencing for sheep & goats.

FEATURES

- Class 3 zinc coated.
- High tensile wire.
- Meets and exceeds ASTM A-641.

ADVANTAGES

- 4" x 4" openings prevent animals from stepping through and keep predators out.
- Deep crimp in line wire allows fence to follow uneven terrain, absorbs impacts from animals, falling limbs, snow loads and remain tight.
- Stronger than conventional sheep & goat fence.
- Fast and easy to install.
- Will not stretch and sag like low tensile wire.
- Uses less posts than low tensile fence.



HIGH TENSILE HORSE FENCE



USES

- Perimeter and cross fencing for horses.

FEATURES

- Class 3 zinc coated.
- High tensile wire.
- Meets and exceeds ASTM A-641.

ADVANTAGES

- 2" x 4" openings prevent animals from stepping through and keep predators out.
- Deep crimp in line wire allows fence to follow uneven terrain, absorbs impacts from animals, falling limbs, snow loads and remain tight.
- Stronger than conventional horse fence.
- Fast and easy to install.
- Will not stretch and sag like low tensile wire.
- Uses less posts than low tensile fence.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
DSS-440	1348-4-330-HT	251	176	4	330

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
DSS-432	1348-2-100-HT	116	378	9	100
DSS-433	1348-2-100-HT	231	192	4	200
DSS-434	1660-2-100-HT	143	306	9	100
DSS-435	1660-2-200-HT	285	156	4	200
DSS-436	1972-2-100-HT	173	252	9	100
DSS-437	1972-2-200-HT	339	128	4	200

HIGH TENSILE BARBED WIRE



LOW TENSILE BARBED WIRE



USES

- Livestock fencing.
- Perimeter control.
- Crop protection.

FEATURES

- Class 3 zinc coated.
- High tensile wire.
- Heavy Duty.
- Meets and exceeds ASTM A-121.

ADVANTAGES

- Saves money and time by placing post further apart when compared with traditional low carbon barbed wire.
- Quick and easy installation.
- Last longer than traditional barbed wire.
- Wire will not stretch and sag like low tensile wire.



USES

- Livestock fencing.
- Perimeter control.
- Crop protection.

FEATURES

- Class 1 zinc coated.
- Low tensile wire.
- Heavy Duty.
- Barbs fixed between wires.

ADVANTAGES

- Adaptable to most terrains.
- Easy to install.
- Resistant to cattle impacts.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
STDW-574	2 PT-15.5 GA-5"SPC	42	1056	48	1320
STDW-577	4 PT-15.5 GA-5"SPC	45	1008	48	1320
STDW-573	4 PT-15.5 GA-3"SPC	50	816	27	1320
STDW-605	2 PT-14 GA-5"SPC	55	702	27	1320
STDW-606	4 PT-14 GA-5"SPC	58	702	27	1320

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
STDW-590	2 PT-12.5 GA-5"SPC	77	802	27	1320
STDW-591	4 PT-12.5 GA-5"SPC	88	704	27	1320
STDW-592	2 PT-12.5 GA-4"SPC	80	775	27	1320

HIGH TENSILE HINGE JOINT FENCE



USES

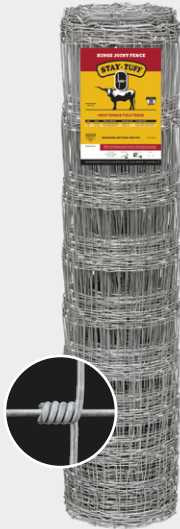
- Livestock fencing and confinement.
- Erosion control silt fence backing.
- Perimeter and boundary fence.

FEATURES

- Class 3 zinc coated.
- High tensile wire.
- Hinge-joint knot.
- Meets or exceeds ASTM A-116.

ADVANTAGES

- Fast and easy to install.
- Resistant under severe weather conditions.
- Will not stretch and sag like low tensile wire.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)		ROLLS PER TRUCKLOAD	ROLLS PER PALLET	ROLL LENGTH (')
DEA-430	1047-6-330-HT	190	234	9	330	
DEA-431	1047-12-330-HT	150	150	9	330	

SUPERIOR ALL AROUND FENCE PRODUCTS



FENCE TOOLS

STEP BY STEP FENCE BUILDING

01. PLAN YOUR FENCE

Planning your fence thoroughly is the easiest way to ensure that your fencing project goes as smoothly and economically as possible.

02. GATHER THE RIGHT TOOLS

Having the right tools makes fence building easier and faster. We recommend using two stretcher bars and pulling the wire to the center. Splicing is much easier using a multi-crimp tool and sleeves.

03. LAY OUT THE FENCE LINE AND SET POSTS

Clear the fence line. Set the end posts. Pull a guide wire between the end posts. Set the 2nd end brace post. Set the line posts.

04. BUILD THE BRACES

Set the brace pins into the post. Put the brace wire around the brace. Attach an in-line strainer to the brace wire. Tighten the brace wire.

05. TIE THE WIRE TO THE END BRACE

See our pre-stripped fence roll. We show you the recommended Hi-Tensile knot you should use on our website.

06. TENSION THE FENCE

Tension the fence wire by pulling it to the center of the fence using stretcher bars and stretcher bar pullers.

07. SPLICE THE FENCE

Splice the fence using a crimping tool and crimp sleeves.

08. TRIM OUT THE FENCE

Staple the fence wire to the fence posts. Attach post clips.

09. FINISH

Your new Stay-Tuff fence is ready for action.

Three essentials for a good fence:

- Get professional guidance
- Buy quality materials
- Build according to the manufacturer's recommendations

TOOLS AND ACCESSORIES

STAY-TUFF offers a high quality line of fence tools and accessories required to build your high-tensile wire fence. We have searched the world and picked the best tools available in each category.

Our fencing tools and accessories are all part of a system that when used together will allow you to efficiently erect, tension, splice, and anchor your fence.

All of our tools are made using the highest quality materials. Most carry a 2-year manufacturer's warranty.

WHERE FARMERS & RANCHERS
MEET THE EXPERTS



**STAY STRONG.
STAY TIGHT.
STAY-TUFF**

BUILD BRACES

BRACE TOOLS



IN-LINE STRAINER

This ratcheted in-line strainer is used to join two wires. The wire is fed through the center of the ratchet spindle and tightened with a Ratcheting Tensioner Handle.

Ratcheting Tensioner Handle comes with a spring loaded pin for ease of use.



STAY-TUFF PART NO.	DESCRIPTION
RE-562	Stay-Tuff In-Line Stainer Handle
RE-563	Stay-Tuff In-Line Strainer

HIGH TENSILE WIRE CUTTERS

The Knipex parallel jaw pliers make cutting Hi-Tensile wire a breeze. These high-quality pliers make fence building easy.

They have a sure grip and don't require a large hand to operate them.



STAY-TUFF PART NO.	DESCRIPTION
KN-570	Stay-Tuff Hi-Tensile Pliers

BRACE PIN

Use to hold horizontal wood brace beams. Made of galvanized steel. A strong and reliable component when building a brace.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	SIZE
HS-203	Brace Pin 1/2" x 4" HOT DIP GALVANIZED	0.25	1/2 x 4
HS-204	Brace Pin 1/2" x 10" HOT DIP GALVANIZED	0.5	1/2 x 10

BRACE WIRE

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GALVE	LENGTH APPROX. (')	HORIZONTAL WIRES
GW-402	Brace Wire 10 lb 9 ga Class 3	10	9	-	-
GW-403	Brace Wire 50 lb 9 ga Class 3	50	9	-	-

WIRE PAYOUT

STAY-TUFF PART NO.	DESCRIPTION
SAFC-100	Smooth Wire Payout (Spinning Jenny)

TENSIONING

STRETCHERS BARS

High quality stretcher bar with wedges and pulling lugs. You need to purchase a pair and then pull together with 2-3 RE-561 Stretcher Bar Pullers.

STRETCHER BAR WEDGES

These are great to have on hand in case you lose a wedge.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	SIZE
FW-549	124" Stretcher Bar & Wedges	65	124
FW-550	102" Stretcher Bar & Wedges	54	102
FW-551	84" Stretcher Bar & Wedges	44	84
FW-552	66" Stretcher Bar & Wedges	34	66
FW-553	52" Stretcher Bar & Wedges	31	52
FW-554	Stay-Tuff Stretcher Bar Wedges	2	-

CLAMP STYLE STRETCHER BARS

Securely holds woven wire fence by tightening down the clamp bar with a set of 19 mm nuts. Designed to stretch up to 1/4" mile at a time. Use with stretcher bar pullers. Tighten nuts using 19 mm socket on 1/2" drive ratchet or 18-volt cordless drill.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	SIZE
FWNW-547	52" Clamp Style Stretcher Bar	-	52
FWNW-548	66" Clamp Style Stretcher Bar	-	66



SMOOTH WIRE PULLER

A great all around tool. It has hardened jaws so it can be used on both high-tensile and low tensile wire. It replaces any fence repair tool on the market today. Comes with a four-foot chain to give you plenty of room for re-tightening a fence or splicing broken wires.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)
RE-559	Stay-Tuff Easy Wire Puller	3.5
RE-560	Stay-Tuff Smooth Wire Puller	8

STRETCHER BAR PULLER

This stretcher bar puller will pull up to 2,000 lbs. It has a 19' chain to reach farther than the conventional come-a-long. The jaws are made of cast alloy and will not wear out. You will need a set of 2 stretcher bar pullers to pull the shorter stretcher bars and a set of 3 to pull 84" and longer bars.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)
RE-561	Stay-Tuff Stretcher Bar Puller	14
RE-556	Hook Repair Kit for Bar Puller	1
RE-558	Replacement Chain & Hook Assembly for Ball Puller	9

SPlicing



BARBED WIRE CRIMP SLEEVE

Use this sleeve to join barbed wire. These must be crimped with the JM-592 or JM-578 crimp tool. 50 per jar.

ELECTRIC WIRE TAP

Use this sleeve to tap into an electric fence wire. These must be crimped with the JM-592 or JM-578 crimp tool. 50 per jar.

12 ½ GAUGE - 16 GAUGE CRIMP SLEEVE

The JM-593 long sleeve will hold to 1,500 lbs so the wire joint is stronger than the wire. They come packaged in a convenient screw-top plastic container. 100 per jar.

The JM-594 is a shorter version of the JM-593 sleeve. These must be crimped with the JM-592 or JM-578 crimp tool. 100 per jar.

HIGH STRAIN CRIMP SLEEVE

Use this JM-598 sleeve to join 10ga. wire where a very high strain is required. These must be crimped with the JM-592 or JM-578 crimp tool. 50 per jar

8-10 GAUGE CRIMP SLEEVE

These sleeves are used to join 8 - 10ga wire. They must be crimped with the JM-592 or JM-578 crimp tool. They come packaged in a convenient screw-top plastic container. 50 per jar.



MULTI CRIMP TOOL

The high-quality Multi-Crimp Tool has a wire cutter for cutting High Tensile wire, a slot for stripping heavy duty lead-in cable for electric fence, and two crimping slots, one for 12 ½ gauge fencing, and one for larger gauge wire. This versatile tool is designed to splice any wire product available today. The Multi-Crimp Tool has a two-year warranty.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)
JM-578	Stay-Tuff Ultra Crimp Tool	4
JM-590	Stay-Tuff Fence Tool	4
JM-592	Stay-Tuff Multi Tool	4

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GAUGE	SLEEVES PER BOTTLE
JM-593	Stay-Tuff Long Sleeves	1	12.5	100
JM-594	Stay-Tuff Short Sleeves	1	12.5	100
JM-595	Stay-Tuff 8-10 ga Sleeve	1	8-10	50
JM-596	Stay-Tuff Barbed-Wire Sleeve	1	12.5-15.5	50
JM-597	Stay-Tuff Electric Wire Tap	1	-	-
JM-598	Stay-Tuff Hi-Strain Splicing Sleeve	1	8-10	50

AFFIXING

AFFIXING DRILL CHUCK

The fence post clip is placed around the fence fabric and the steel fence post. The two tails of the clips are then inserted into the drill chuck. The chuck then twists the tails tightly to the steel fence post.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GUAGE
LC-579	Stay-Tuff Drill Chuck	1	9
LC-580	Stay-Tuff Drill Chuck	1	11

TURF STAPLES

Used for stapling the cloth to the turf. The Turf Staples are sold in a 600 Pack.



STAY-TUFF PART NO.	DESCRIPTION	GUAGE	SIZE (")	POST CLIPS PER BOTTLE
STC-494	Stay-Tuff Staples 6" 11 ga. (600)	11	6	600



POST CLIP

The clip is slid around the post and fence wire and then the tails of the clips are put into the LC-580 chuck. The drill then twists the wire very tightly around the post.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GUAGE	SIZE (")	POST CLIPS PER BOTTLE
STC-599	Stay-Tuff Post Clip 4½" x 11 g	12	11	4 1/2	200
STC-581	Stay-Tuff Post Clip 4" x 11 g	11.5	11	4	200
STC-586	Stay-Tuff Post Clip 3½" x 11 g	10	11	3 1/2	200
STC-582	Stay-Tuff Post Clip 3" x 11 g	15.5	11	3	350
STC-583	Stay-Tuff Post Clip 2 3/8" x 11 g	15	11	2 3/8	400
STC-584	Stay-Tuff Post Clip 1 7/8" x 11 g	13	11	1 7/8	400
STC-585	Stay-Tuff Post Clip 1 5/8" x 11 g	11.5	11	1 5/8	400
STC-564	Stay-Tuff Post Clip 4" x 9 g	12.5	9	4	150
STC-565	Stay-Tuff Post Clip 3 1/2" x 9 g	14	9	3 1/2	200
STC-588	Stay-Tuff Post Clip 3" x 9 g	13	9	3	200
STC-587	Stay-Tuff Post Clip 2 3/8" x 9 g	21.5	9	2 3/8	400
STC-586	Stay-Tuff Post Clip 1 7/8" x 9 g	19	9	1 7/8	400
STC-591	Stay-Tuff Post Clip 1 5/8" x 9 g	16.5	9	1 5/8	400

AFFIXING



UNIVERSAL T-POST CLIPS

The T-Post clips are slid around the post and fence wire and then the tails of the clips are put into the LC-580 chuck. The drill then twists the wire very tightly around the post. The T-Post clips are sold in a 600 Pack at 1.3-inch x 11 Gauge.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GAUGE	T-POST CLIPS PER BOTTLE
STC-589	Stay-Tuff Post Clips Universal (600)	16.5	-	600

TIE WIRE

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GAUGE	LENGTH APPROX (')	ROLLS PER BOX
GW-400	Tie Wire 10 lb 13 g Class 3	10	13	-	-
GW-401	Tie Wire 50 lb 13 g Class 3	50	13	-	-

SHADE CLOTH

STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)
PU-150	95% Shade Cloth	9

BARBED STAPLES

The STAY-TUFF Barbed Staples are used for affixing fence wire to wooden posts and with any barbed wire, smooth wire, or woven wire.



STAY-TUFF PART NO.	DESCRIPTION	LENGTH (")	GAUGE	BUCKET WEIGHT (lbs)
STS-460	Barbed Staples	2	8	2
STS-461	Barbed Staples	13/4	8	2
STS-462	Barbed Staples	11/2	8	2
STS-463	Barbed Staples	11/4	8	2
STS-490	Barbed Staples	2	8	10
STS-491	Barbed Staples	13/4	8	10
STS-492	Barbed Staples	11/2	8	10
STS-493	Barbed Staples	11/4	8	10
STS-484	Barbed Staples	2	8	40
STS-485	Barbed Staples	13/4	8	40
STS-486	Barbed Staples	11/2	8	40
STS-487	Barbed Staples	11/4	8	40

GRIPPLE ACCESORIES & TOOLS

GRIPPLE 10-14 GAUGE HIGH TENSILE

The Gripple Wire Joining & Tensioning System significantly reduces the amount of time and labor needed to install and maintain your fence. No tying knots or crimping, Gripple allows you not only to join wire but to tension wire too.

Each Gripple is fitted with a ceramic roller mechanism that allows movement in one direction only, resulting in the ability to always tension the wire. The high-performance, engineering grade ceramics provide a secure grip on all types of wire and have excellent corrosion resistance to sprays and fertilizers. Gripple is also available for Barbed wire.

Quantity: 40 per container.



GRIPPLE 12.5 GAUGE BARBED WIRE

The Gripple Wire Joining & Tensioning system significantly reduces the amount of time and labor needed to install and maintain your fence. No tying knots or crimping! Gripple allows you not only to join wire but to tension wire too. Each Gripple is fitted with a ceramic roller mechanism that allows movement in one direction only, resulting in ability to always tension the wire.

The high-performance, engineering grade ceramics provide a secure grip on all types of wire and have excellent corrosion resistance to sprays and fertilizers.



GRIPPLE T-CLIP

The Gripple T-Clip is a revolutionary new way to secure a fence at the start or the ends. This product eliminates timely knotting and stapling wires at straining posts with one fast, simple, twist & push action. Gripple T-Clips are available in quantities of 25 and 200 per container.



GRIPPLE TENSIONING TOOL

The Gripple torque tensioning tool not only tensions wire but regulates the load applied, delivering consistent results every time and maximizing the life of the wire. Features settable tension guide, measure from 50 kg to 400 kg, set & go consistent tension every time, delivers up to 400 kg of tension with minimum effort, designed for use on all Gripple Plus products.



STAY-TUFF PART NO.	DESCRIPTION	WEIGHT (lbs)	GAUGE
GR-101	10-14 ga High Tensile Gripple	40	10-14
GR-102	T-Clip Gripple	25	10-14
GR-102-1	T-Clip Gripple	200	10-14
GR-103	12.5 ga Barbed Wire Gripple	25	12.5
GR-105	12.5 ga Barbed Wire T-Clip Gripple	15	12.5
GR-106	Speed Brace Kit	1	-
GR-104	Gripple Tensioning Tool	1	-



TROUGH VALVES & ACCESORIES



MEGAFLOW TROUGH VALVES

High flow valve for underwater installations. This valve features side and bottom mountings, compact robust construction, water level differential, positive on/off operation, lock off with cord lock, 5-150 psi pressure rating, and constructed from corrosion resistant materials.



ROJO FLOAT VALVES

This highly adaptable valve features a built-in check valve, fully adjustable float angle, side-bottom-top mounting, non-corrosive material construction, stops flow when unscrewed for servicing, 0-150 PSI pressure range.

Available in 3/4" standard and high flow.



TOPAZ TROUGH VALVE

This valve is designed for high flow and is highly adaptable. It features side-bottom-top mounting, made from corrosion resistant materials, shuts down slowly to minimize water-hammer. 1/4" - 2 1/4" water level differential, pressure rating 5 - 100 PSI, adjust float with wing bolt, lock-off switch, and connection for anti-freeze devise.



VALVE COVER & LAMP

Protection and mounting system for Rojo and Topaz valves. Features quick mount - no tools required, great protection from all animals including horses, cattle, and deer, fits most tanks and troughs (plastic, metal, and concrete), robust, tough and durable (UV protected), mounts valve at the correct height to comply with Grade "A" dairy regs and is ideal for pasture or yard based tanks.



PRODUCT	SIZE
MEGAFLOW TROUGH VALVES	3/4", 1" and 1 1/4"
ROJO FLOAT VALVES	3/4" standard and high flow
TOPAZ TROUGH VALVE	3/4", 1" and 1/4"
VALVE COVER & CLAMP	-

WEIGHTS & MEASURES

METRIC EQUIVALENTS

LINEAR MEASURE

1 centimeter	0.3937 inch
1 inch	2.54 centimeters
1 decimeter	3.937 inches / 0.328 foot
1 foot	3.048 decimeters
1 meter	39.37 inches / 1.0936 yards
1 yard	0.9144 meter
1 dekameter	1.9884 rods
1 rod	0.5029 dekameter
1 kilometer	0.621 mile
1 mile	1.609 kilometers

SQUARE MEASURE

1 square centimeter	0.1550 sq. inch
1 square inch	6.425 sq. centimeters
1 square decimeter	0.1076 sq. foot
1 square foot	9.203 sq. decimeters
1 square meter	1.196 sq. yards
1 square yard	0.8361 sq. meter
1 acre	160 sq. rods
1 square rod	0.00625 acre
1 hectare	2.47 acres
1 acre	0.4047 hectare
1 square kilometer	0.386 sq. mile
1 square mile	2.59 sq. kilometers

MEASURE OF VOLUME

1 cubic centimeter	0.061 cubic inch
1 cubic inch	16.39 cubic centimeter
1 cubic decimeter	0.0353 cubic foot
1 cubic foot	28.317 cubic decimeter
1 cubic meter	1.308 cubic yards
1 cubic yard	0.7646 cubic meter
1 stere	0.2759 cord
1 cord	3.624 steres
1 liter	0.9 quart dry / 1.06 quarts liquid
1 quart dry	1.101 liters
1 quart liquid	0.9463 liter
1 dekaliter	2.6417 gallons / 1.135 pecks
1 gallon	0.3785 dekaliter
1 peck	0.881 dekaliter
1 hectoliter	2.8375 bushels
1 bushel	0.3524 hectoliter

WEIGHT

1 gram	0.0357 ounce
1 ounce	28.35 grams
1 kilogram	2.2046 pounds
1 pound	0.4536 kilogram
1 metric ton	0.98421 English ton
1 English ton	1.016 metric ton

Protecting your
investment
for generations.

BEST IN CLASS

WARRANTY

20

YEARS



**STAY STRONG.
STAY TIGHT.
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**WHERE FARMERS & RANCHERS
MEET THE EXPERTS**

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