



## Fencing Material

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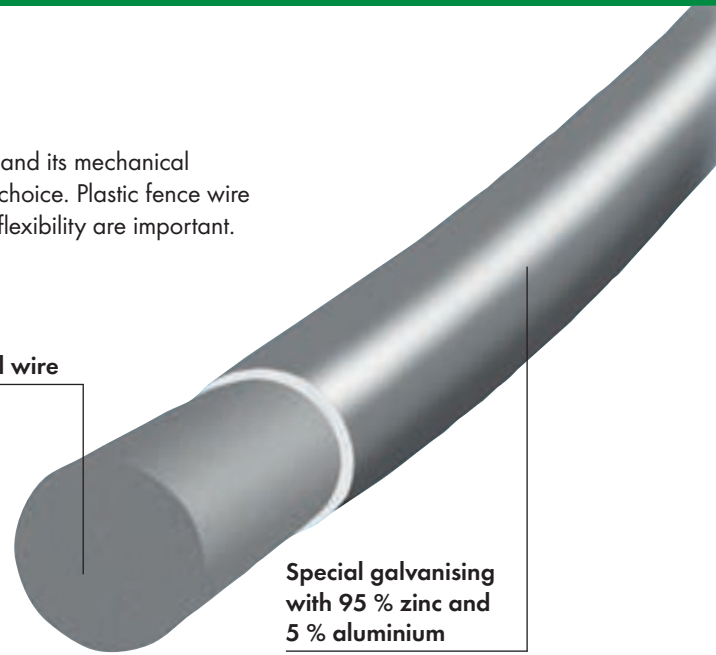
# The demands on fence wires

Important criteria in the assessment of an electric fence wire are its conductivity and its mechanical strength. For permanent fences a solid, heavily galvanised steel wire is the best choice. Plastic fence wire is used principally for temporary fences. Simple lightweight rolling up and high flexibility are important.

## PATURA Tornado steel wire: with zinc/aluminium corrosion protection

PATURA Tornado steel wire with a special thick galvanised coating of 95 % zinc and 5 % aluminium, has a service life which is 9 times that of normal commercially available galvanised wire, and 3 times as long as normal thick-galvanised wire. The retention of the zinc coating on the wire is markedly improved by the combination with the aluminium.

2.5 mm steel wire



Special galvanising with 95 % zinc and 5 % aluminium

PATURA Tornado steel wire has a special thick galvanised coating with a 5 % aluminium content giving a particularly long life.

### Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 - 4000 volts.

	Fence Voltage		
	after 100 m	after 1 km	after 3 km
Tornado Steel Wire 2.5 mm	7900 V	7500 V	6600 V
HippoWire	7900 V	7500 V	6600 V



Due to the extremely good conductivity very long fences with very high fence voltages are possible. The protection level of the fences is correspondingly high.

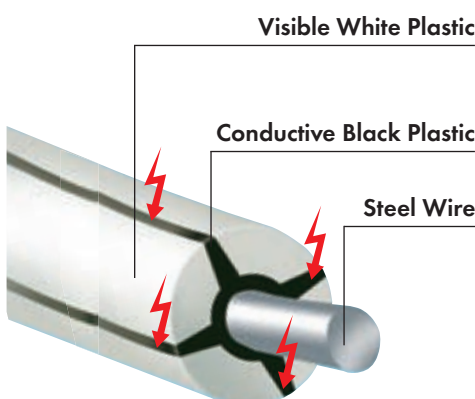
### Life of corrosion-protected wires

Wire Ø mm	Type of corrosion protection	Thickness of zinc coating g/m <sup>2</sup>	Life in years			Ratio of respective lives
			Emission free air	Polluted air	Heavily polluted air	
2.5	Normal galvanised	90	4.5	2.5	1.5	1
2.5	Thick galvanised	300	13	7	4	approx. 3 times that of normal galvanised
2.5	Zinc-aluminium galvanised	300	39	21	12	approx. 9 times that of normal galvanised

## PATURA HippoWire: the better alternative

The best visibility, optimum conductivity, minimal risk of injury and a long life – the PATURA HippoWire meets all those demands with 2.5 mm steel wire coated in conductive plastic. The steel wire core ensures the best conductivity, the thick polyethylene coating offers good visibility and the lowest risk of injury, while the 4 conductive carbon strips ensure that the current is best passed to the animal.

### 4 conductors for optimum safety



Wiring							
	Ref.	Colour	No. of galv. steel conductors	Ø of galv. steel conductors	Resistance (ohms/m)	* Max suggested single wire length	Ultimate tensile strength (kg)
2.5 mm Steel Wire	190000/109300	-	1	2.5	0.035	30 km	650
1.6 mm Steel Wire	191600/191610	-	1	1.6	0.07	15 km	240
HippoWire	190400/190410	white/brown	1	2.5	0.035	30 km	650

\*The maximum recommended lengths can be doubled for two-wire fences with cross-connections and tripled for three wire fences.



**Steel Wire Ø 2.5 mm**

Thickly galvanised steel wire, long life and very high tensile strength

109300 25 kg coil = approx. 625 m



190000 190001



**Tornado Steel Wire Ø 2.5 mm**

Steel wire thickly coated with zinc-aluminium alloy, three times the corrosion resistance and a long life in comparison with normal thick galvanised wire, very high tensile strength

190000 25 kg coil = approx. 625 m

190001 25 kg coil = approx. 625 m, wrapped



**Tornado Steel Wire Ø 1.6 mm**

Steel wire thickly coated with zinc-aluminium alloy

191600 5 kg coil = approx. 315 m



**HippoWire**

with conducting plastic coated 2.5 mm steel wire, Ø approx. 7 mm, ideal for horsewires

190400 304 m coil, white

190410 304 m coil, brown

# Handling of fence wires

Fence wires specially made of steel wire are the ideal solution for installing long-lasting electric fences. The correct handling of the wire including tightening, connecting, cutting and unreeling requires special knowledge and special tools and accessories. For this purpose, PATURA offers an extensive accessories program.

## PATURA rotating wire tensioner: the clever way to tighten wires

PATURA's rotating wire tensioner enables you to easily tighten wires without cutting them. The tensioner is inserted in the wire at any place on the fence, the wire tensioner handle is attached and the tensioner is turned around its own axle until the correct fence tension is reached. Then the cotter pin is installed and the wire tensioner handle is removed. If necessary, the wire can be retightened and/or relaxed, at any time. Rotating wire tensioners must be installed in every line section of the fence, max. every 500 - 600 m.



1. Place the rotating wire tensioner on the wire, attach the wire tensioner handle



2. Turn the wire tensioner handle until the correct fence tension is reached



3. Hook the wire tensioner handle in the wire, install the cotter pin and remove the wire tensioner handle



4. Due to the light weight, the wire tensioner hangs lightly in the wire

## PATURA tension spring: always keeps the tension on the wire

PATURA offers the suitable spring for all steel wires. The spring ensures that the wire is always optimally tightened under all operating conditions. At high temperatures it prevents sagging of the wires, at low temperatures it takes the load off of the corner posts. The spring is pretightened to the primary tension with the rotating wire tensioner (see below) to approx. 90 - 120 kg for 2.5 mm steel wire. The spring is made of stainless steel for highest life span and best current transmission. Tension springs should be installed onto the wire every 200 - 600 m depending on the course of the fence (installation see pictures).



1. Thread the wire through the tug link of the tension spring



2. Make half a reef knot

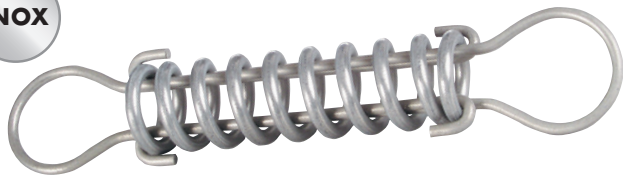


3. Twist the excess wire ends around the fence wire



4. Repeat the fastening on the opposite side and pre-tighten the spring with the rotating wire tensioner

INOX



**Tension Spring - stainless steel**

**Stainless steel, for 1.6 mm steel wire**

The inclusion of this spring takes the load out of the wire and the corner posts, it keeps the wire taut during temperature changes: makes the fence resilient

162600

INOX



**Tension Spring - stainless steel**

**Stainless steel, for 2.5 mm steel wire**

Rugged design for 2.5 mm steel wire and HippoWire, the inclusion of this spring takes the load out of the wire and the corner posts, it keeps the wire taut during temperature changes: makes the fence resilient

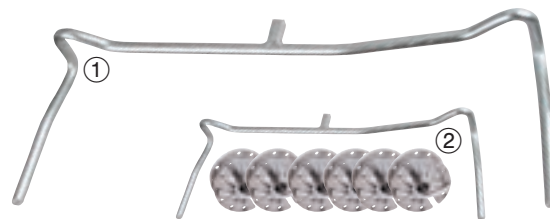
162700



**Rotating Tensioner**

Aluminium, allows rapid tensioning and de-tensioning of wires and rope without cutting them

164303 (qty 3)



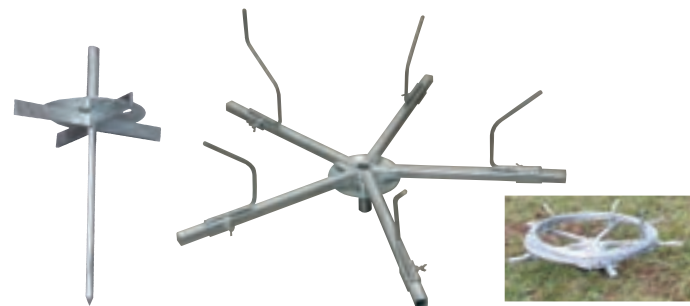
**Tensioner Handle**

Galvanised, for operating the tensioner, for operating instructions see left page

① 644000 1 tensioner handle

② Rotating Tensioner - Starter Pack  
6 rotating tensioners + 1 tensioner handle

644001 (qty 1)



**Wire Dispenser**

For the simple unreeling of steel wire, HippoWire and plain steel wire, with spike foot for ground insertion

152800



**Safety Cover for tension spring**

Protects horses tail hair to get caught up in the tension spring (Ref. 162700)

162903 (qty 3)



**Electric Fencing Pliers - Standard**

With hammer and wire cutter

152201



**Electric Fencing Pliers - Professional**

Rugged, insulated pliers for erection of electric fences, heavy model with hammer, parallel clamping jaws and special wire cutter for steel wire

522001



**Wire Strainer**

To tighten wires

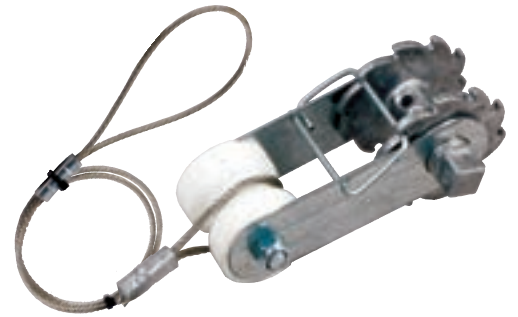
164600 (qty 1)  
164602 (qty 10)



**Wire Strainer with Insulator**

To tighten live wires

164610 (qty 1)  
164612 (qty 10)



**Wire Strainer with Insulator and Rope**

To easily tighten and fasten live wires to tension posts up to 20 cm diameter, no special knots need to be tied into the wire

164621 (qty 2)



**Tension Handle for wire strainer**

For easy handling of wire strainers



164630 (qty 1)



**Joiner for steel wire 1.6 mm**

Suitable for 1.40 - 2.20 mm steel wire

190205 (qty 5)  
190220 (qty 20)



**Joiner for steel wire 2.5 mm**

Suitable for 2.00 - 3.25 mm steel wire and for HippoWire

190105 (qty 5)  
190120 (qty 20)



**Twist-Tight Tensioner**

Rotating plastic, black, allows to tension the wire even when it is under voltage

164506 (qty 6)



**Gripple Torq Tool**

For tensioning wire using steel wire joiners 1.6 and 2.5 mm, integral tension gauge

190250 (qty 1)



**Plain Steel Wire**

109000: Ø 1.6 mm, galvanised, 5 kg = approx. 280 m  
 109100: Ø 1.8 mm, galvanised, 5 kg = approx. 250 m

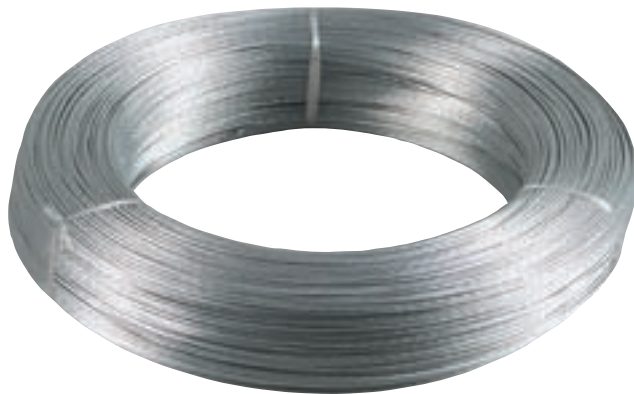
109000  
 109100



**Aluminium Wire**

Very high conductivity, 4 times higher than (normal) plain steel wire, lightweight  
**Tip: tighten with max. 20 kg**

191700 1.8 mm diameter, 400 m spool  
 191800 2.0 mm diameter, 400 m spool



Max.  
**3000 m**  
 long

107600 107500



**Stranded Wire**

Wire with 7 galvanised, stranded metal conductors, Ø 1.5 mm

108100 200 m coil  
 108200 500 m coil

**Special Plastic Wire**

Transparent, with nylon core and 2 galvanised iron wires

500 m roll  
 107600  
 1000 m roll  
 107500

Wiring	Ref.	Colour	No. of galv. steel conductors	Ø of galv. steel conductors (mm)	Resistance (ohms/m)	*Max suggested single wire length	Ultimate tensile strength (kg)	
<b>1.6 mm Steel Wire</b>	109000	-	1	1,6	0,07	15 km	150	*The maximum recommended lengths can be doubled for two-wire fences with cross-connections and tripled for three wire fences.
<b>1.8 mm Steel Wire</b>	109100	-	1	1,8	0,05	20 km	200	
<b>Aluminium Wire 1.8 mm</b>	191700	-	1(Alu)	1,8(Alu)	0,015	70 km	75	
<b>Aluminium Wire 2.0 mm</b>	191800	-	1(Alu)	2,0(Alu)	0,010	100 km	90	
<b>Stranded Wire Special</b>	108100/108200	-	7	0,5	0,12	8 km	150	
<b>Plastic Wire</b>	107500/107600	transparent	2	0,5	0,35	3 km	60	



## PATURA TORNADO:

Fence tension at the fence start

after 100 m

Standard Polywire 3 x 0.16 stainless steel strands

**8000 V**

**2100 V**



Compact Polywire 6 x 0.20 stainless steel strands

**8000 V**

**4200 V**



Super Polywire 9 x 0.20 stainless steel strands

**8000 V**

**5000 V**



Tornado Polywire 1 x 0.30 copper strands + 5 x 0.20 stainless steel strands

**8000 V**

**7700 V**



Tornado XL Polywire 3 x 0.30 copper strands + 8 x 0.20 stainless steel strands

**8000 V**

**7900 V**



Tornado XXL Polywire 3 x 0.30 copper strands + 6 x 0.20 stainless steel strands

**8000 V**

**7900 V**





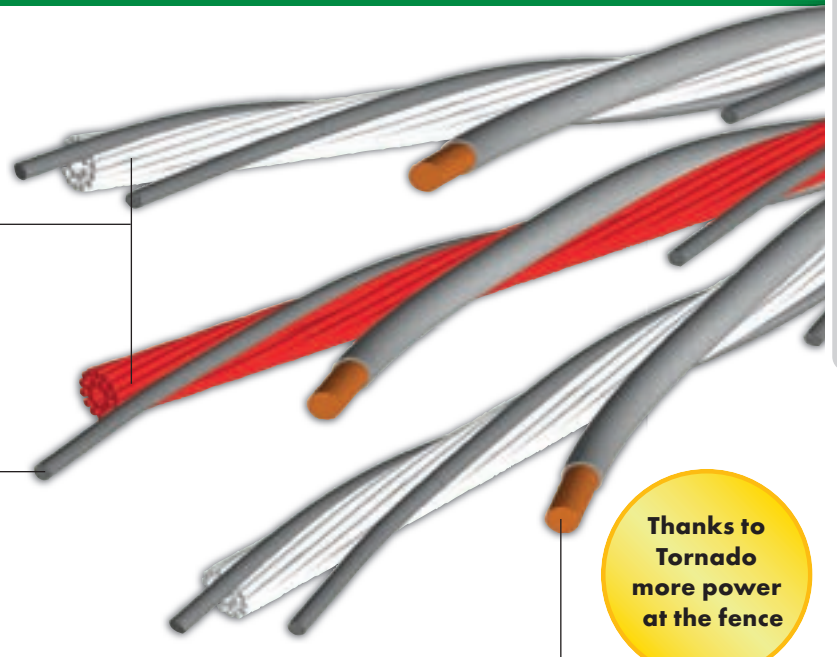
# Perfection in detail:

## Configuration of the Tornado XL polywire

Polyethylene threads  
for the longest life

Stainless steel strands  
for the highest bending strength

Tinned copper strands  
for the highest conductivity



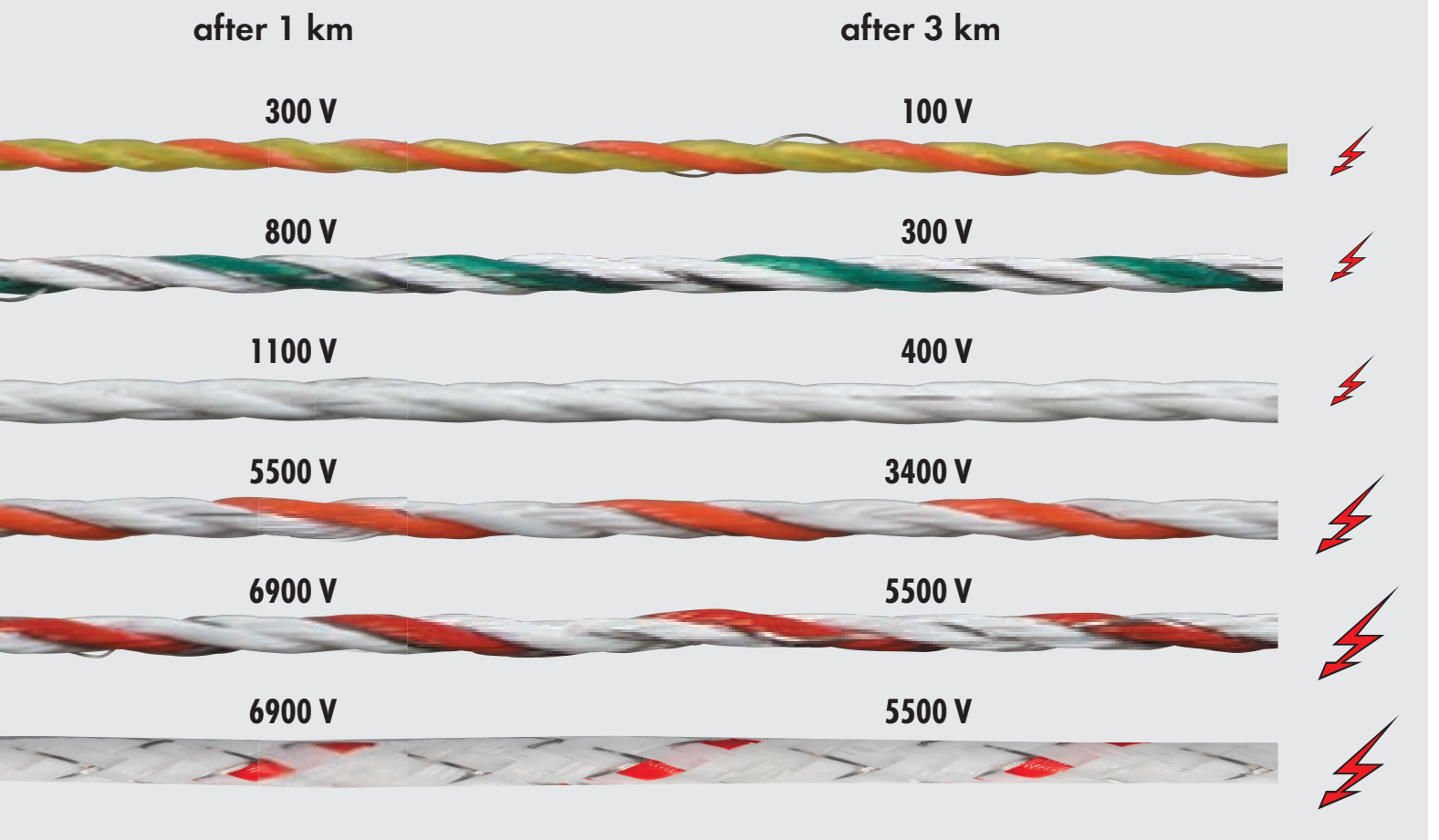
Thanks to  
Tornado  
more power  
at the fence

### Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts?  
In practice, PATURA recommends fence voltages of 3000 - 4000 volts.



## Power to the end of the fence





Max.  
**400 m**  
long



**Super Polywire**

**PATURA UV-Warranty 3 years**  
white, with 9 stainless steel strands Ø 0.20 mm  
**400 m roll**  
**180401**



Max.  
**250 m**  
long

**Compact Polywire PLUS**

**PATURA UV-Warranty 3 years**  
**Braided polywire (for maximum durability)**, white-green, with 6 stainless steel strands Ø 0.20 mm  
**500 m roll; braided**  
**180300**



Max.  
**100 m**  
long



**Standard Polywire**

Yellow-orange, with 3 stainless steel strands Ø 0.16 mm

**250 m roll**  
**180000**



Max.  
**250 m**  
long

**180100**  
**180200**

**Compact Polywire**

**PATURA UV-Warranty 3 years**  
white-green, with 6 stainless steel strands Ø 0.20 mm  
**200 m roll**  
**180100**  
**400 m roll**  
**180200**

Polywire	Ref.	Colour	Number of plastic fibres		Number of stainless steel strands		Number of copper strands (tinned)		Resistance (ohms/m)	Max. suggested single wire length	Ultimate tensile strength (kg)
			Ø plastic fibres (mm)	Number of plastic fibres	Ø stainless steel strands (mm)	Number of stainless steel strands	Ø copper strands (tinned)	Number of copper strands (mm)			
<b>Standard Polywire</b>	180000	yellow-orange	18	0.30	3	0.16	-	-	14	100 m	50
<b>Compact Polywire</b>	180100/180200	white-green	30	0.30	6	0.20	-	-	4.5	250 m	65
<b>Compact PLUS Polywire</b>	180300	white-green	24	0.3	6	0.20	-	-	4.5	250 m	100
<b>Super Polywire</b>	180401	white	24	0.30	9	0.20	-	-	3.0	400 m	70
<b>Tornado Polywire</b>	180501-180701	white-orange	24	0.38	5	0.20	1	0.30	0.23	5 km	75
<b>Tornado XL Polywire</b>	181001-181201	white-red	24	0.38	8	0.20	3	0.30	0.08	13 km	85
<b>Tornado XXL Polywire</b>	181500-181700	white-red	24	0.30	6	0.20	3	0.30	0.08	13 km	110

With a fence length of over 400 m, use only PATURA Tornado products



181001  
181101  
181102  
181104



181500  
181600 181700



### Tornado XL Polywire

**PATURA UV-Warranty 5 years**

**Now 25 % better twisting**

with 3 copper strands Ø 0.30 mm and 8 stainless steel strands Ø 0.20 mm

200 m roll, white-red

181001

400 m roll, white-red

181101

1000 m roll, white-red

181201

200 m roll, blue-white

181104

400 m roll, blue-white

181102

1000 m roll, blue-white

181103

### Tornado XXL Polywire

**PATURA UV-Warranty 5 years**

**Braided polywire (for maximum durability)**

White-red, with 3 copper strands Ø 0.30 mm and 6 stainless steel strands Ø 0.20 mm

200 m roll

181500

400 m roll

181600

1000 m roll

181700



**Ideal to deter wild animals**

### PATURA Tornado: maximum conductivity for the highest security

As a speciality, PATURA offers the combined processing of stainless steel and copper strands. Stainless steel strands are extremely durable, copper strands have very high conductivity. Only through this combination can a broken copper strand again be conducting the current through a stronger stainless steel one. Unlike conventional polywires, high durability and high conductivity are combined in one product.



**Reduce the specified fence length to half where there is vegetation and to ¼ where there is heavy vegetation**



180501  
180511  
180601



180701



### Tornado Polywire

**PATURA UV-Warranty 5 years**

with 1 copper strand Ø 0.30 mm and 5 stainless steel strands Ø 0.20 mm

200 m roll, white-orange

180501

200 m roll, brown

180511

400 m roll, white-orange

180601

1000 m roll, white-orange

180701

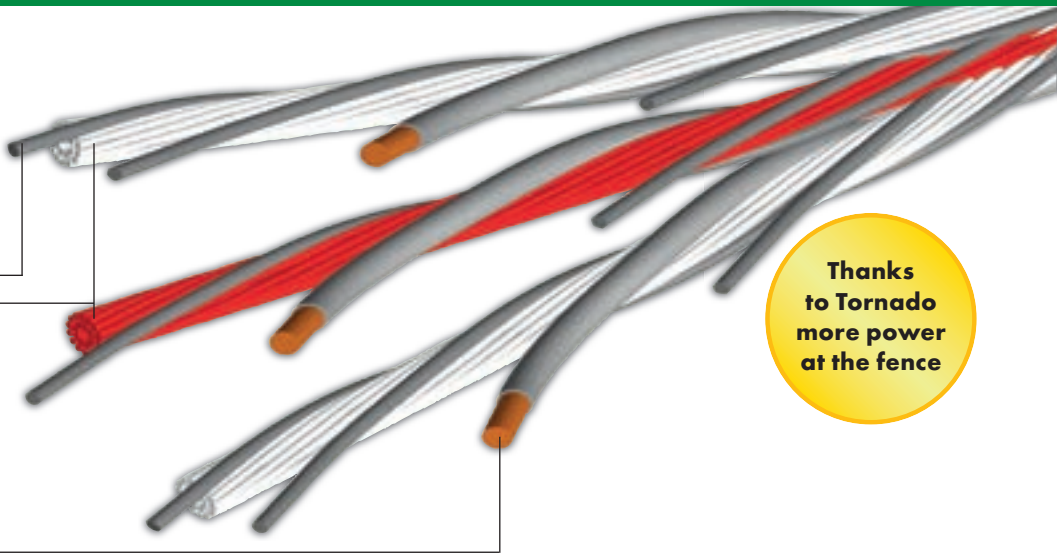
# Perfection in detail:

## Configuration of the Tornado XL polyrope

Stainless steel strands for the highest breaking strength

Polyethylene threads for the longest life

Tinned copper strands for the highest conductivity



Thanks to Tornado more power at the fence

## Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 - 4000 volts.

	Fence Voltage		
	after 100 m	after 1 km	after 3 km
Compact Polyrope 6 x 0.20	4200 V	800 V	300 V
Super Polyrope 3 x 0.40	5500 V	1400 V	600 V
Tornado Polyrope 1 x 0.30 + 5 x 0.20	7700 V	5500 V	3400 V
Tornado XL Polyrope 3 x 0.30 + 8 x 0.20	7900 V	6900 V	5500 V
Tornado XXL Polyrope 3 x 0.30 + 6 x 0.20	7900 V	6900 V	5500 V

## PATURA Tornado: maximum conductivity for the highest security

As a speciality, PATURA offers the combined processing of stainless steel and copper strands. Stainless steel strands are extremely durable, copper strands have very high conductivity.

Only through this combination can a broken copper strand again be conducting the current through a stronger stainless steel one. Unlike conventional polywires, high durability and high conductivity are combined in one product.



Reduce the specified fence length to half where there is vegetation and to 1/4 where there is heavy vegetation

Polyrope	Ref.	Colour	Plastic fibres	Number of stainless steel strands	Ø stainless steel strands (mm)	Number of copper strands (tinned)	Ø copper strands (mm)	Resistance (ohms/m)	Max. suggested single wire length	Ultimate tensile strength (kg)
Compact Polyrope	182000	white	Poly-fibres	6	0.20	-	-	4.5	300 m	300
Super Polyrope	182100	white-green	Poly-fibres	3	0.40	-	-	2.3	700 m	320
Tornado Polyrope	182501/182601	white-orange	Micro-fibres	5	0.20	1	0.30	0.23	5 km	290
Tornado XL Polyrope	183001/183101	white-red	Micro-fibres	8	0.20	3	0.30	0.08	13 km	310
Tornado XXL Polyrope	183500/183600	white-red	Micro-fibres	6	0.20	3	0.30	0.08	13 km	400

With a fence length of over 400 m, use only PATURA Tornado products



Ideal where there is vegetation

Max. **13000 m** long

183001 183101  
 



Max. **13000 m** long

183500 183600  
 

### Tornado XL Polyrope

**PATURA UV-Warranty 5 years**

White-red, with 3 copper strands Ø 0.30 mm and 8 stainless steel strands Ø 0.20 mm

200 m roll

183001

500 m roll

183101

### Tornado XXL Polyrope

**PATURA UV-Warranty 5 years**

**Braided rope (for maximum durability)**

White-red, with 3 copper strands Ø 0.30 mm and 6 stainless steel strands Ø 0.20 mm

200 m roll

183500

500 m roll

183600



Max. **300 m** long





Max. **700 m** long





Max. **5000 m** long

182501 182511 182601  
 

### Compact Polyrope

**PATURA UV-Warranty 3 years**

White, with 6 stainless steel strands Ø 0.20 mm

200 m roll

182000

### Super Polyrope

**PATURA UV-Warranty 3 years**

White-green, with 3 stainless steel strands Ø 0.40 mm

200 m roll

182100

### Tornado Polyrope

**PATURA UV-Warranty 5 years**

with 1 copper strand Ø 0.30 mm and 5 stainless steel strands Ø 0.20 mm

200 m roll, white-orange

182501

200 m roll, brown

182511

500 m roll, white-orange

182601

# Perfection in detail:

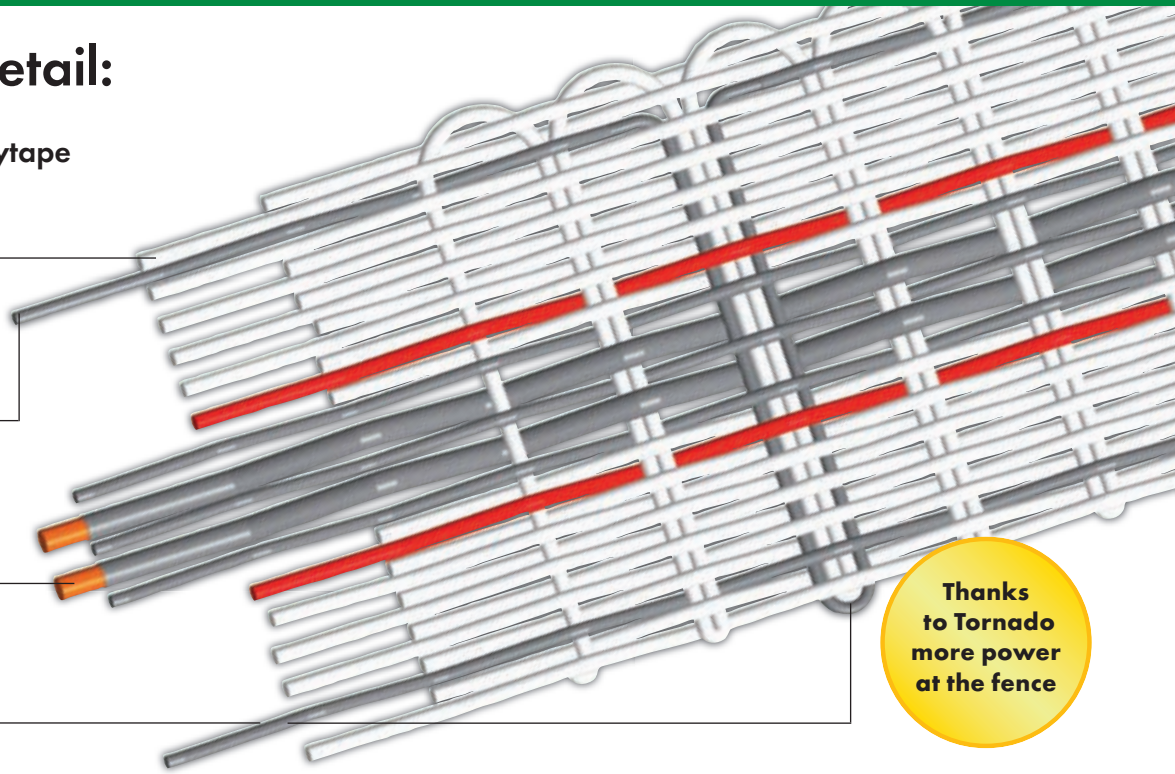
## Configuration of the 12.5 mm Tornado XL polytape

Polyethylene threads for longest life

Stainless steel strands for highest breaking strength

Tinned copper strands for the highest conductivity

Cross-connection for optimum current flow



Thanks to Tornado more power at the fence

### Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 – 4000 volts.

	Fence Voltage		
	after 100 m	after 1 km	after 3 km
Standard Polytape 4 x 0.16	2600 V	400 V	100 V
Compact Polytape 6 x 0.16	3300 V	500 V	200 V
Tornado Polytape 1 x 0.30 + 4 x 0.20	7700 V	5500 V	3400 V
Tornado XL Polytape 2 x 0.30 + 5 x 0.20	7800 V	6500 V	4700 V

### PATURA polytapes: maximum conductivity for the highest security

As a speciality, PATURA offers the combined processing of stainless steel and copper strands. Stainless steel conductors are extremely durable, copper strands have very high conductivity. Only through this combination can a broken copper strand again be conducting the current through a stronger stainless steel one. In addition, the lengthwise strands are cross-connected. Unlike conventional polywires, high durability and high conductivity are combined in one product.



Reduce the specified fence length to half where there is vegetation and to 1/4 where there is heavy vegetation

Polytape 10 - 12.5 mm	Ref.	Colour	Cross connection	Edge reinforcement	Number of plastic fibres	Ø plastic fibres (mm)	Number of stainless steel strands	Ø stainless steel strands (mm)	Number of copper strands (tinned)	Ø copper strands (mm)	Resistance (ohms/m)	Max. suggested single tape length	Ultimate tensile strength (kg)
Standard Polytape 10 mm	184000/184100	yellow-orange	-	-	20	0.30	4	0.16	-	-	10	150 m	60
Compact Polytape 10 mm	184200/184300	white-green	-	-	25	0.30	6	0.16	-	-	7.0	200 m	70
Tornado Polytape 12.5 mm	185001/185101	white-orange	•	-	25	0.38	4	0.20	1	0.30	0.23	5 km	75
Tornado XL Polytape 12.5 mm	185501/185601	white-red	•	-	25	0.38	5	0.20	2	0.30	0.12	9 km	80

With a fence length of over 400 m, use only PATURA Tornado products



185001 185101  
185011 185110

**Tornado Polytape**

12.5 mm  
**PATURA UV-Warranty 5 years**  
 With 1 copper strand Ø 0.30 mm and 4 stainless steel strands Ø 0.20 mm  
**200 m roll, white-orange**  
 185001  
**200 m roll, brown**  
 185011  
**400 m roll, white-orange**  
 185101  
**400 m roll, blue**  
 185110



185501 185601

**Tornado XL Polytape 12.5 mm**

12.5 mm  
**PATURA UV-Warranty 5 years**  
 With 2 copper strands Ø 0.30 mm and 5 stainless steel strands Ø 0.20 mm



**Ideal where there is vegetation**

**200 m roll, white-red**  
 185501  
**400 m roll, white-red**  
 185601



184000 184100 184002  
184400

**Standard Polytape 10 mm**

10 mm  
 4 stainless steel strands Ø 0.16 mm  
**200 m roll, yellow-orange**  
 184000  
**200 m roll, white**  
 184400  
**250 m roll, yellow-orange**  
 184100  
**2 x 200 m, yellow-orange**  
 184002



184200 184300

**Compact Polytape 10 mm**

10 mm  
**PATURA UV-Warranty 3 years**  
 White-green, with 6 stainless steel strands Ø 0.16 mm

**200 m roll**  
 184200  
**400 m roll**  
 184300

# Perfection in detail:

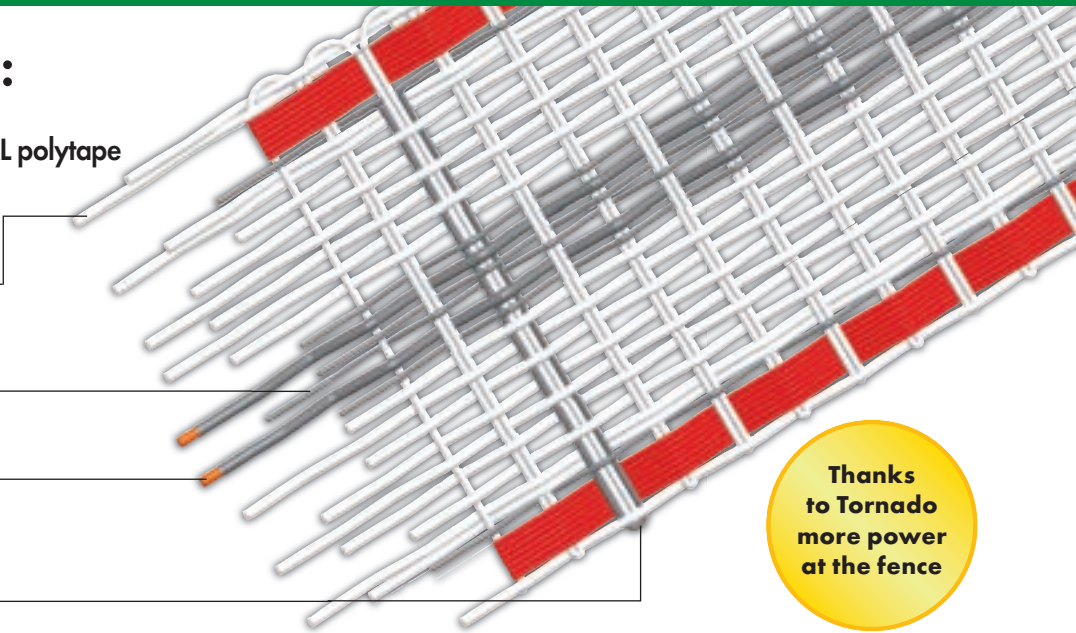
## Configuration of the 20 mm Tornado XL polytape

Polyethylene threads  
for longest life

Stainless steel strands  
for highest breaking strength

Tinned copper strands  
for the highest conductivity

Cross-connection  
for optimum current flow



Thanks to Tornado more power at the fence

## Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 - 4000 volts.

	Fence Voltage		
	after 100 m	after 1 km	after 3 km
Standard Polytape 4 x 0.16	2600 V	400 V	100 V
Compact Polytape 6 x 0.16	3300 V	500 V	200 V
Compact Plus Polytape	4200 V	800 V	300 V
Super Polytape 4 x 0.20 + 2 x 0.30	4900 V	1100 V	400 V
Tornado Polytape 1 x 0.30 + 4 x 0.20	7700 V	5500 V	3400 V
Tornado XL Polytape 2 x 0.30 + 5 x 0.20	7800 V	6500 V	4700 V

## PATURA polytapes: maximum conductivity for the highest security

As a speciality, PATURA offers the combined processing of stainless steel and copper strands. Stainless steel conductors are extremely durable, copper strands have very high conductivity. Only through this combination can a broken copper strand again be conducting the current through a stronger stainless steel one. In addition, the lengthwise strands are cross-connected. Unlike conventional polywires, high durability and high conductivity are combined in one product.



Reduce the specified fence length to half where there is vegetation and to 1/4 where there is heavy vegetation

Polytape 20 mm	Ref.	Colour	Cross connection	Edge reinforcement	Number of plastic fibres	Ø plastic fibres	Number of stainless steel strands	Ø stainless steel strands (mm)	Number of copper strands (tinned)	Ø copper strands (mm)	Resistance (ohms/m)	Max. suggested single tape length	Ultimate tensile strength (kg)
Standard Polytape 20 mm	186000	yellow-orange	-	-	30	0.30	4	0.16	-	-	10	150 m	80
Compact Polytape 20 mm	186100/186200	white-green	-	-	30	0.38	6	0.16	-	-	7.0	200 m	85
Compact Plus Polytape 20 mm	186700/186800	white	-	-	30	0.38	6	0.20	-	-	4,5	250 m	85
Super Polytape 20 mm	186300	white-green	-	-	30	0.38	4+2	0.2/0.3	-	-	3,2	500 m	90
Tornado Polytape 20 mm	186501/186601	white-orange	•	-	44	0.38	5	0.20	1	0.30	0.23	5 km	110
Tornado XL Polytape 20 mm	187001/187101	white-red	•	•	51	0.38	6	0.20	2	0.30	0.11	9 km	135

With a fence length of over 400 m, use only PATURA Tornado products





Max.  
**500 m**  
long



### Super Polytape

20 mm  
**PATURA UV-Warranty 3 years**  
White-green, with 4 stainless steel strands Ø 0.20 mm and 2 stainless steel strands Ø 0.30 mm

200 m roll  
186300



Max.  
**5000 m**  
long

186501  
186511 186601  
 

### Tornado Polytape

20 mm  
**PATURA UV-Warranty 5 years**  
With 1 copper strand Ø 0.30 mm and 5 stainless steel strands Ø 0.20 mm

200 m roll, white-orange  
186501

200 m roll, brown  
186511

400 m roll, white-orange  
186601



Max.  
**9000 m**  
long

187001 187101  
 

### Tornado XL Polytape

20 mm  
**PATURA UV-Warranty 5 years**  
White-red, with 2 copper strands Ø 0.30 mm and 6 stainless steel strands Ø 0.20 mm

200 m roll  
187001

400 m roll  
187101



**Ideal where there is vegetation**



Max.  
**150 m**  
long



### Standard Polytape

20 mm  
Yellow-orange, 4 stainless steel strands Ø 0.16 mm

200 m roll  
186000



Max.  
**200 m**  
long

186100 186200  
 

### Compact Polytape

20 mm  
**PATURA UV-Warranty 3 years**  
White-green, with 6 stainless steel strands Ø 0.16 mm

200 m roll  
186100

400 m roll  
186200



Max.  
**250 m**  
long

186700 186800  
 

### Compact Plus Polytape

20 mm  
**PATURA UV-Warranty 3 years**  
White, with 6 stainless steel strands Ø 0.20 mm

200 m roll  
186700

400 m roll  
186800

## Perfection in detail:

Configuration of the 40 mm Tornado XL polytape

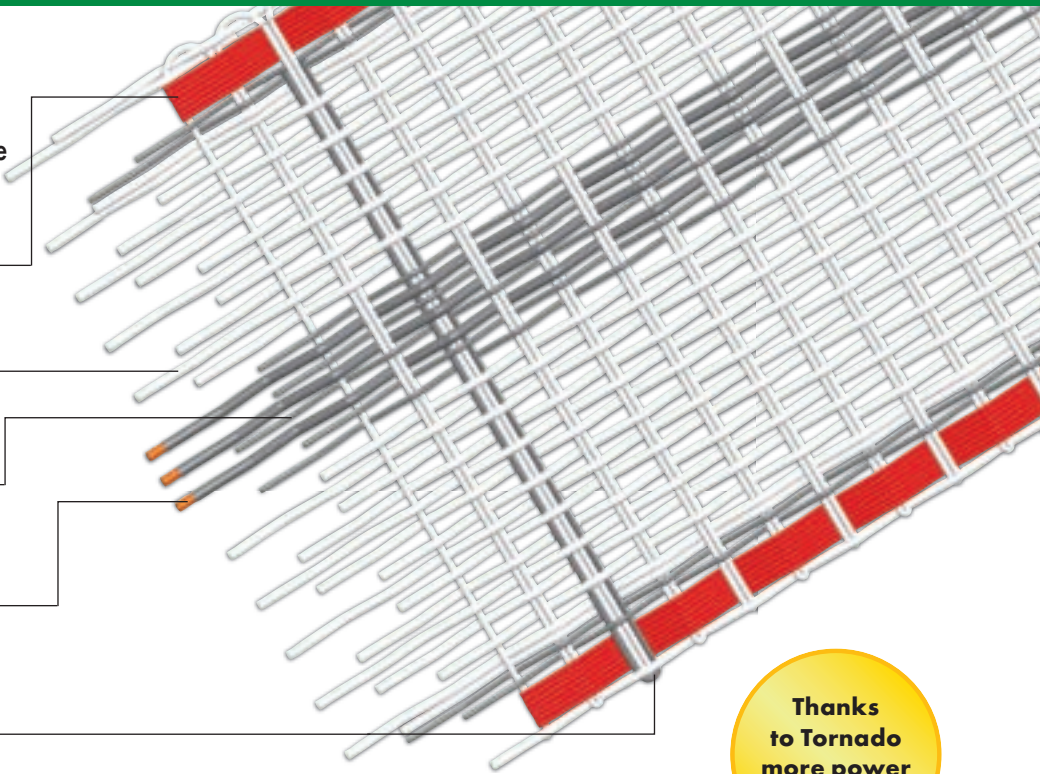
Edge reinforcement for maximum tensile strength

Polyethylene threads for longest life

Stainless steel strands for highest breaking strength

Tinned copper strands for the highest conductivity

Cross connection for optimum current flow



Thanks to Tornado more power at the fence

### Now it dawns on you

Do you know the expected voltage when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 – 4000 volts.

	Fence Voltage		
	after 100 m	after 1 km	after 3 km
Compact Polytape 40 mm, 8 x 0.16	3900 V	700 V	300 V
Compact Plus Polytape 40 mm, 8 x 0.20	4800 V	1000 V	400 V
Tornado Polytape 38 mm, 1 x 0.30 + 11 x 0.16	7700 V	5600 V	3500 V
Tornado XL Polytape 40 mm, 3 x 0.30 + 11 x 0.16	7900 V	6900 V	5500 V

### PATURA polytapes: maximum conductivity for the highest security

As a speciality, PATURA offers the combined processing of stainless steel and copper strands. Stainless steel strands are extremely durable, copper strands have very high conductivity. Only through this combination can a broken copper strand again be conducting the current through a stronger stainless steel one. In addition, the length-wise strands are cross-connected. Unlike conventional polywires, high durability and high conductivity are combined in one product.

### The demands on polytape

The most important criteria in the assessment of a polytape are its conductivity, its mechanical strength and, particularly for horses, its visibility. Narrow tapes offer the possibility simple rolling up combined with low weight and higher flexibility. Polytapes offer the optimum visibility for permanent fences. For optimum longevity as resistance to wind and weather, however, they require correct erection using high quality accessories.



Reduce the specified fence length to half where there is vegetation and to ¼ where there is heavy vegetation

Polytape 40 mm	Ref.	Colour	Cross connection	Edge reinforcement	Number of plastic fibres		Ø plastic fibres (mm)	Number of stainless steel strands	Ø stainless steel strands (mm)	Number of copper strands (tinned)		Resistance (ohms/m)	Max. suggested single tape length	Ultimate tensile strength (kg)
										Ø copper strands (mm)				
Compact Polytape 40 mm	188500	white-green	-	-	35	0.38	8	0.16	-	-	5.2	300 m	95	With a fence length of over 400 m, use only PATURA Tornado products
Compact Plus Polytape 40 mm	188600	white	-	-	35	0.38	6	0.20	-	-	3.4	400 m	95	
Tornado Polytape 38 mm	189001/189101	white-orange	•	-	56	0.38	11	0.16	1	0.30	0.22	5 km	155	
Tornado XL Polytape 40 mm	189501/189511	white-red	•	•	30/28	0.5/0.38	11	0.16	3	0.30	0.08	13 km	190	



**Tornado Polytape 38 mm**

**PATURA UV-Warranty 5 years**

1 copper strand Ø 0.30 mm and 11 stainless steel strands Ø 0.16 mm

200 m roll, white-orange

189001

200 m roll, brown

189101



**Tornado XL Polytape 40 mm**

**PATURA UV-Warranty 5 years**

3 copper strands Ø 0.30 mm and 11 stainless steel strands Ø 0.16 mm

200 m roll, white-red

189501

200 m roll, brown

189511



**Ideal where there is vegetation**



**Compact Polytape 40 mm**

**PATURA UV-Warranty 3 years**

White-green, with 8 stainless steel strands Ø 0.16 mm

200 m roll

188500



**Compact Plus Polytape 40 mm**

**PATURA UV-Warranty 3 years**

White, with 8 stainless steel strands Ø 0.20 mm

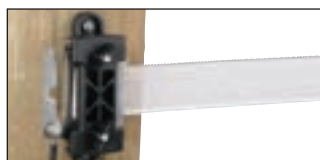
200 m roll

188600

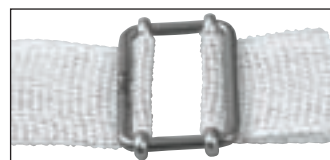
**Join polytapes**



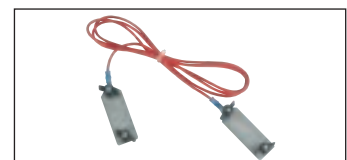
Polytape Strain and Corner Insulator: as insulator with connector plate



Polytape Strain and Corner Insulator: for cross-connection in permanent fences with high voltage cable (160910)



Tape Joiner: ideal for lengthwise joins in temporary fences



Fence Connecting Cable: ideal for cross-connection in temporary fences



## Mount strain insulators correctly – for optimum corner attachment

The longevity and reliability of a PATURA permanent electric fence will profit from the "art" of clean, highly resilient and secure mounting of the strain and corner insulators. Try it yourself, or let our specialists show you!

<p>1. Place the wire around the post and form a loop</p>	<p>2. Wind the free end of the wire around the tension wire 3 times</p>	<p>3. Feed the free end of the wire into the strain insulator</p>	<p>4. Wind the free end 5 times around the tension wire</p>
<p>5. The completed knot – the tension runs centrally through the insulator</p>	<p>6. Pull the fence wire through the insulator</p>	<p>7. Wind the free end 5 times around the tension wire</p>	<p>8. Leave the free end long to allow for cross-connection</p>



**Porcelain Strain Insulator**

Start and end insulator for high tensile loads, made of porcelain

- 169203 (qty 3)
- 169210 (qty 10)
- 169250 (bucket qty 50)

**10 year  
WARRANTY**



**Porcelain Corner Insulator**

Corner insulator for high tensile loads, made of porcelain

- 167403 (qty 3)
- 167410 (qty 10)

**10 year  
WARRANTY**



**Staples**

3.8 x 38 mm, zinc/aluminium galvanised  
For attaching permanent fence insulators and offset insulators,  
1 kg - approx. qty 155

- 138001 (1 kg)
- 138002 (2.5 kg)



**Strain Insulator**

Start and end insulator for high tensile loads, plastic, black

- 167706 (qty 6)
- 167725 (qty 25)
- 167760 (bucket qty 100)



**Super Strain Insulator**

Start and end insulator for high tensile loads,  
fibreglass-reinforced plastic, white

- 167806 (qty 6)
- 167825 (qty 25)
- 167860 (bucket qty 100)

**Strain Insulators**

	Ref.	Colour	Suitable for wire	Suitable for HippoWire	Suitable for rope	Suitable for polytape	Suitable as strain insulator	Suitable as corner insulator	Suitable as line insulator
<b>Strain Insulator</b>	167706/167725	black	•	•	•	-	•	-	-
<b>Super Strain Insulator</b>	167806/167825	white	•	•	••	-	••	-	-
<b>Porcelain Strain Insulator</b>	169203/169210	white	••	••	-	-	••	•	-
<b>Porcelain Corner Insulator</b>	167403/167410	white	••	•	-	-	-	••	-



## Fence wires need to be insulated from earth

The role of insulators is to insulate the live wire from earth. With the high voltages which are typical for an electric fence, it is important to avoid arcing from the wire to the post, and at the same time minimize any leakage current due to dampness or dirt deposits. Short circuits or discharges not only create a load for the energiser, but can also create radio interference. It should be noted that with low quality insulators, considerable time and effort is required to check them regularly and/or replace them.



### The right insulator in the right place

It is important in the use of insulators to use the correct insulator in the correct location. One differentiates between strain and corner insulators at the beginning and end of the fence, at places where it changes direction, and line insulators for the general fence-line. In practice, the same insulator is often used for all areas of application. Almost always, a line insulator which is designed only to withstand minimal tension, is chosen for the corners and the beginning of the fence as well. In these locations, even the slightest demands will cause them to fail. The use of just a small number of rugged corner and strain insulators very quickly pays for itself by way of longevity in the fence, a lower maintenance load and, above all, in considerably greater security.

Permanent Fence Insulators		Ref.	Colour	Suitable for wire	Suitable for Hippo Wire	Suitable for rope	Suitable for polytape	Suitable as strain insulator	Suitable as corner insulator	Suitable as line insulator
Permanent Fence Insulator Wire	167325	black	• •	-	-	-	-	-	•	
Permanent Fence Insulator Rope	168425	black	•	• •	• •	-	-	-	•	
Permanent Fence Pinlock Insulator	169025	black	• •	-	-	-	-	-	•	
Permanent Fence Insulator Rope	168325	white	•	• •	• •	-	-	-	•	
Permanent Fence Pinlock Insulator	169125	white	•	• •	• •	-	-	-	•	

**Permanent Fence Pinlock Insulator**

**For wire**

Solid, UV resistant plastic insulator, mount using staples or screws, pinlock allows for easy wire removal, black

**Mounting tip:**

In curves, the insulator must be installed applying pressure on the post

(qty 25)  
169025



**Permanent Fence Insulator**

**For wire**

Solid, UV resistant plastic insulator, mount using staples or screws, black

**Mounting tip:**

In curves, the insulator must be installed applying pressure on the post

(qty 25)  
167325  
(bucket qty 150)  
167365  
(qty 1000)  
167366



**Permanent Fence Pinlock Insulator**

**For rope and HippoWire**

Solid, UV resistant plastic insulator, mount using screws, pinlock allows for easy wire removal, white

**Mounting tip:**

In curves, the insulator must be installed applying pressure on the post

(qty 25)  
169125



**Permanent Fence Insulator**

**For rope and HippoWire**

Solid, UV resistant plastic insulator, mount using screws, white

**Mounting tip:**

In curves, the insulator must be installed applying pressure on the post

white, (qty 25)  
168325  
black, (qty 25)  
168425



**Special Wood Screws**

**4.5 x 35 mm, torx TX20**

Galvanised, with special thread, for the attachment of permanent fence and polytape insulators, incl. 1 screw bit

135060 (qty 100)



**Staples**

**3.8 x 38 mm, zinc/aluminium galvanised**

For attaching permanent fence insulators and offset insulators, 1 kg - approx. qty 155

138001 (1 kg)  
138002 (2.5 kg)

For rope



**Heavy-Duty Ring Insulator**

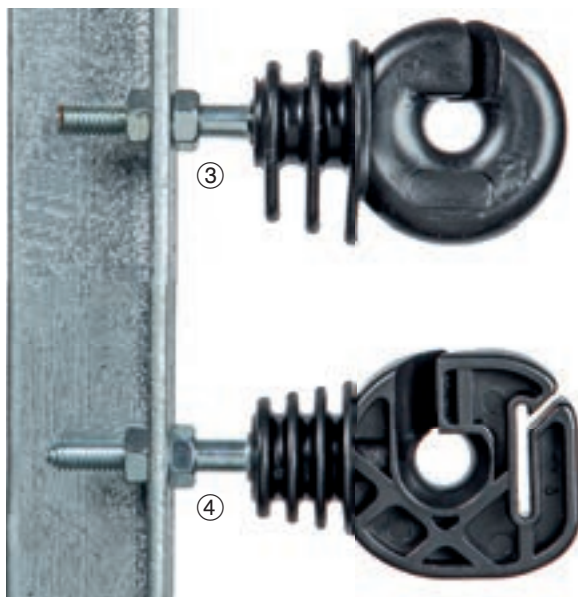
**With wood thread**  
Shaft diameter 6 mm, for polywires, polyropes and polytapes up to 10 mm, extra large aperture for ropes

① 102025 (qty 25)

**Rope and Tape Insulator**

**Wood thread**  
For polytapes up to 20 mm and polyrope, shaft diameter 6 mm, black

② 127325 (qty 25)



**Quality Ring Insulator**

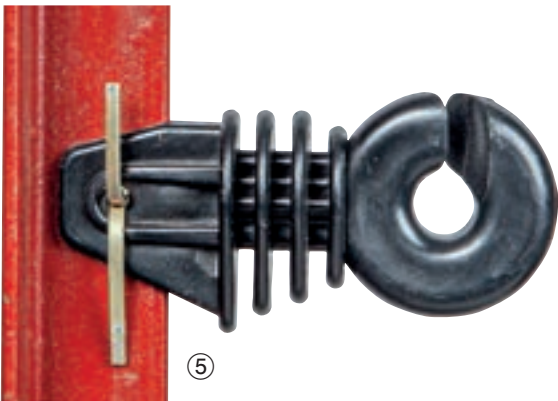
**Thread M6**  
High quality plastic, solid shaft attachment, large drip zones, shaft diameter 6 mm, black, thread length 25 mm

③ 102425 (qty 25)

**Rope and Tape Insulator**

**Thread M6**  
For polytapes up to 20 mm and polyrope, black, thread length 25 mm

④ 127225 (qty 25)



**Ring Insulator**

**With split-pin**  
For angle steel post, black

⑤ 107325 (qty 25)  
107363 (bucket qty 125)

**Isoflott**

**Insulator spinner**  
For easy screw-in of ring and slotted insulators in softwood posts using electric screwdrivers

⑥ 159000

**Insulator Spinner, metal**

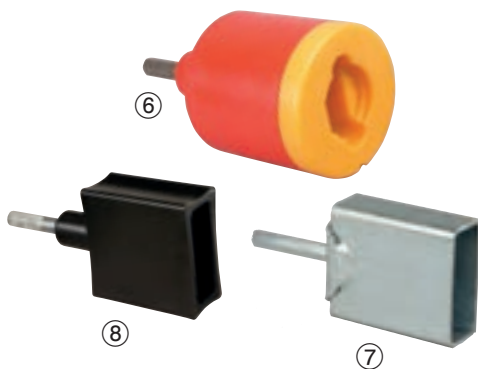
For easy screw-in of ring insulators in softwood posts using cordless drills

**Metal**, opening 16 x 43 mm

⑦ 158910

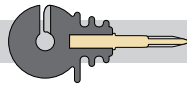
**Plastic**, opening 14 x 41 mm

⑧ 158901





### Quality Ring Insulator

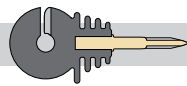


With wood thread

High quality plastic, solid shaft, large drip zones, shaft diameter 6 mm

- ① 101825 black (qty 25)
- ② 101625 red (qty 25)
- 101871 black (qty 100) Insulator spinner incl.\*

### Ring Insulator



With wood thread

Shaft diameter 6 mm, black

- ③ 101725 (qty 25)
- 101760 (bucket qty 100)
- 101781 (bucket qty 250) insulator spinner incl.\*

### Super Ring Insulator

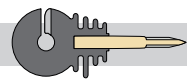


With wood thread

Shaft diameter 6 mm, for polywires, polyropes and polytapes up to 12.5 mm

- ④ 103075 black (qty 25)
- ⑤ 103025 red (qty 25)
- 103080 black (bucket qty 150)
- 103060 red (bucket qty 150)

### Ring Insulator Compact

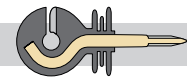


With wood thread

Shaft diameter 5.2 mm, black

- ⑥ 101225 (qty 25)
- 101271 (bucket qty 150) insulator spinner incl.

### Ring Insulator with Solid Metal Core



with wood thread 5 mm, shaft diameter 5 mm,

for polywires, polyropes and polytapes up to 12.5 mm

Benefit: screws in securely due to continuous support

Drawback: can arch through when using powerful energisers

- ⑦ 103125 (qty 25)
- 103161 (bucket qty 150) insulator spinner incl.\*





**Corner Donut Insulator with Wood Thread**

① **With wood thread**  
For redirection of polywires at corners without chafing, black

102206 (qty 6)

102210 (qty 10)

② **With thread M8**  
black, thread length 30 mm

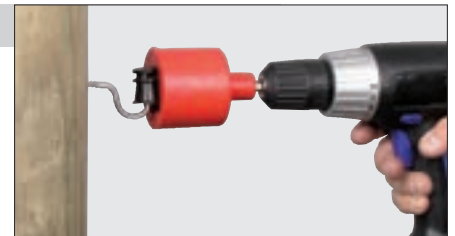
104206 (qty 6)



**Isoflott**

**Insulator spinner**  
For easy screw-in of ring and slotted insulators in softwood posts using electric screwdrivers

159000



After removal of the yellow insert, the Isoflott can be used for slotted insulators



**Slotted Insulator**

① **With wood thread**  
Black

104325 (qty 25)

104365 (bucket qty 150)

② **With thread M6**  
black, thread length 30 mm

102325 (qty 25)



**Slotted Insulator Cellidor**

**With wood thread**  
Yellow, made of UV-resistant cellulose acetate

102125 (qty 25)



**Add-On Ring Insulator**

Plastic insulator, height adjustable, for spring steel post round and oval up to 10 mm (w/o top insulator), suitable for polywires and polytapes up to 12.5 mm

168825 (qty 25)



**Add-On Insulator with metal pigtail**

Solid plastic insulator with metal pigtail, height adjustable, for spring steel post round and oval up to 8 mm (w/o top insulator), suitable for polywires and polytapes up to 12.5 mm

168725 (qty 25)

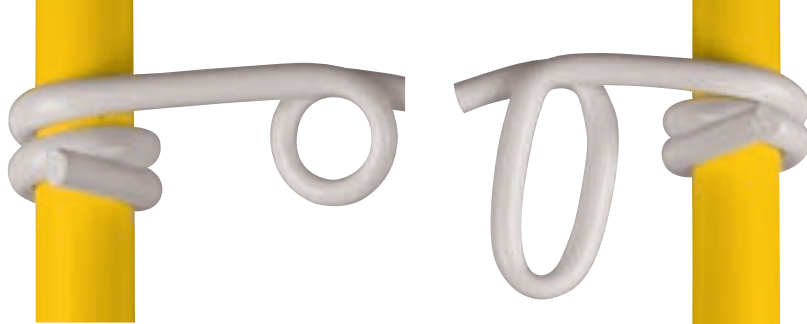


**Add-on insulator for spring steel post**

For polywire and tape up to 12,5 mm

For steel posts, oval  
168525 (qty 25)

For spring steel posts round and spring steel post with pigtail insulator  
168625 (qty 25)



**Eyelet Insulator**

For polywire and rope, for posts Ø 12 mm  
251625 (qty 25)  
251660 (qty 150)

For polywire and rope, for posts Ø 10 mm  
251825 (qty 25)

For polyrope, For posts Ø 10 mm  
251925 (qty 25)



**Super Screw-On Rod Insulator**

UV-resistant, solid plastic insulator, black, height adjustable, for all posts (without cap insulator) up to 16 mm, suitable for polywires and polytapes up to 12.5 mm

165625 (qty 25)



**Insultube**

Suitable as strain assembly for ropes with polyrope clamp (ref. 160405), transparent

161405 (5 m)



**Insultube**

Mounted to wooden post using samples; for polywire and wire up to 3 mm; not recommended for high power energisers

161410 (qty 100)



**Screw-On Rod Insulator**

UV-resistant, solid plastic insulator, black, height adjustable, for all posts up to 12 mm, can be subsequently attached from the side, suitable for polywires and polytapes up to 12.5 mm

165525 (qty 25)



## Increase the longevity of your fences

PATURA offers the possibility of allowing old conventional fences to provide effective animal control for many years to come. New, non-electric fences have when equipped with offsets almost twice the longevity. Insulators on offsets can be fixed to 2 horizontal wires of a fence, or attached directly to the post. The live wire runs inside the actual fence. On level land the offsets can be spaced at up to 8 m apart.



**For your safety:  
Do not install electrified  
wires in front of barbed  
wire fences**

**Offset with Pigtail Insulator**

Offset insulator made of round bar steel with an insulated loop, can also be used for polytape up to 40 mm: length 25 and 40 mm for nailing directly onto wooden posts (secure additionally with 1 staple), secure double-end offset with at least 2 staples when installed on top of post

<b>166105</b>	<b>25 cm long</b>	<b>(qty 5)</b>
<b>166205</b>	<b>40 cm long</b>	<b>(qty 5)</b>
<b>166505</b>	<b>double ended, 80 cm long</b>	<b>(qty 5)</b>

	Number of wires	Height of wire (cm)
Cattle	1	70
Sheep	1 - 2	30 / (70)
Goats	2	30 / 70
Horses	1	90

### Offset Bracket with Porcelain Insulator

**For insertion with porcelain insulator**

Porcelain insulator with offset bracket for insertion into existing fence wires or for stapling onto posts, length 300 mm

166010 (qty 10)

### Offset Bracket with Pinlock Insulator

**For insertion with pinlock insulator**

Pinlock insulator with offset for insertion into existing fence wires or for stapling onto posts, length 300 mm

166610 (qty 10)

### Ring Insulator with Wood Thread

**With long shaft (20 cm)**

Wood thread, for polywires

101610 (qty 10)

**With long shaft straight (18 cm)**

Wood thread, for polywires

101620 (qty 10)

### Rope and Tape Insulator with Wood Thread

**With long shaft (18 cm)**

For polytape up to 20 mm and polyrope

① **Wood thread**

127410 (qty 10)

② **Thread M6**

Threadlength: 120 mm

127710 (qty 10)

### Rope and Tape Insulator

**With long shaft (18 cm)**

For tapes up to 40 mm and ropes

127911 (qty 10)



### Ring Insulator

**Long thread M6**

Shaft diameter 6 mm; black

102925 thread length 80 mm black (qty 25)

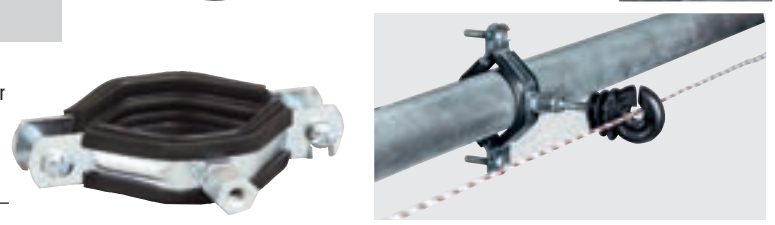
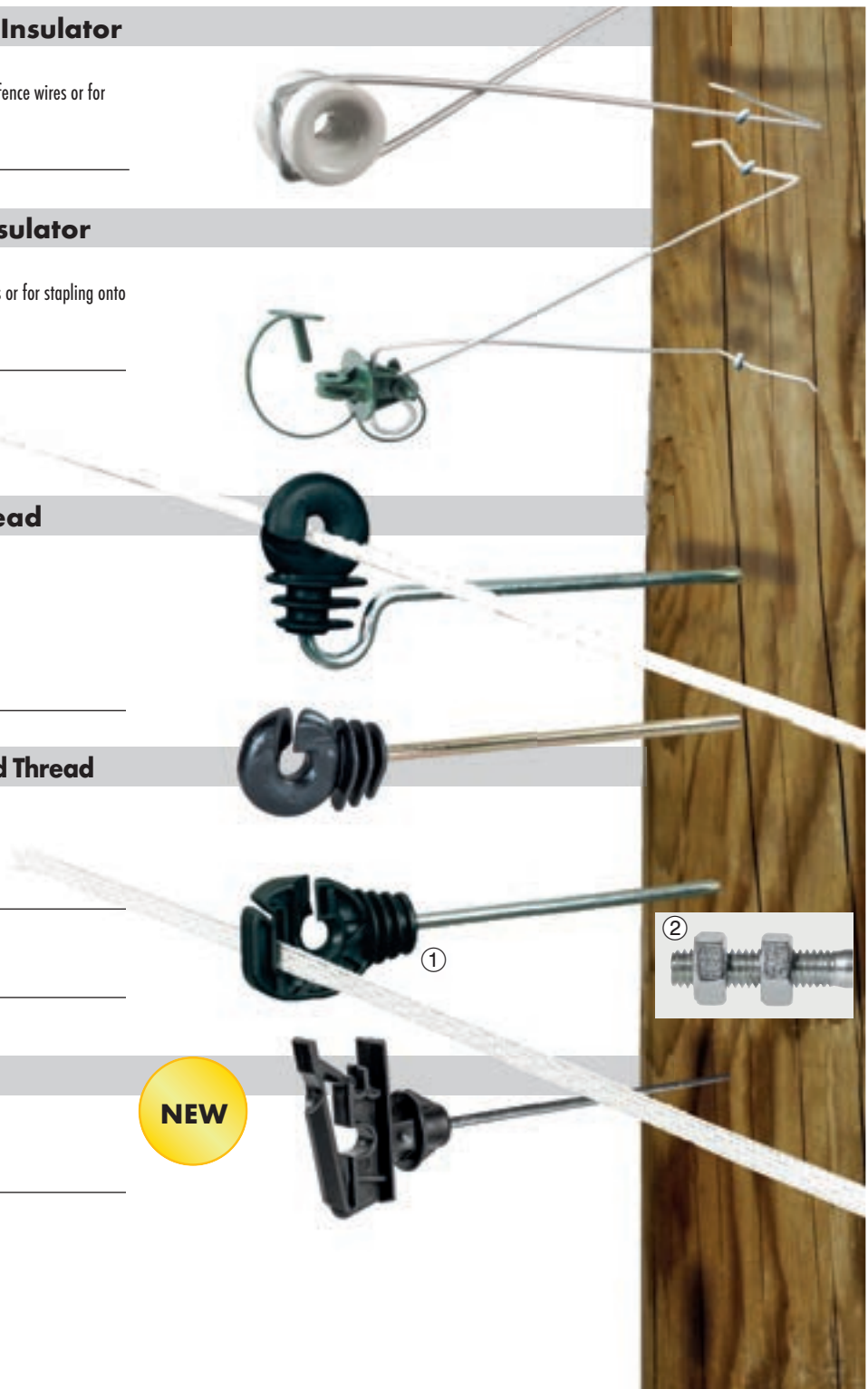
101640 thread length 150 mm black (qty 25)

### Pipe Clamp

**For round posts, Ø 40 - 50 mm**

For mounting insulators with threads M6 or M8 on garden fence posts, with rubber lining for firm grip without damaging the post

127810 (qty 10)



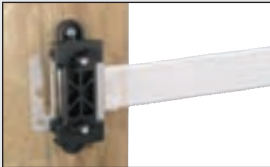
**Polytape Strain and Corner Insulator:**  
1 insulator – many areas of application



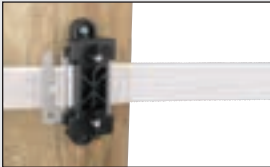
Polytape Corner Insulator:  
used as sturdy line insulator



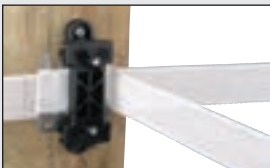
Polytape Corner Insulator:  
used as sturdy corner insulator



Polytape Strain and Corner Insulator:  
used as start insulator



Polytape Strain and Corner Insulator:  
used as insulator and tape connector



Polytape Strain and Corner Insulator:  
used as 3-way insulator



Polytape Strain and Corner Insulator:  
used as insulator with gate connection

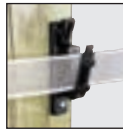


Polytape Strain and Corner Insulator:  
used for cross-connection of polytapes with cable

**Tornado Polytape Insulator**

**Solid plastic**  
Rugged line insulator for holding polytape tightly, suitable for all tapes up to 40 mm, safe and protective clamping of the tape due to offset rubber inserts, black

(qty 20)  
166920



Open the insulator



Insert polytape – close the insulator



**Polytape Insulator**

**Solid plastic**  
Suitable as line insulator for all tapes up to 40 mm, separate holder for rope, black

(qty 25)  
166825  
(bucket qty 60)  
166851



**Polytape Clamp Insulator**

**With stainless steel connector plate**  
For polytape up to 40 mm and fastening of gate handles

167602 (qty 2)

**Polytape Clamp Insulator**

Suitable as line insulator for holding polytapes, but also suitable as corner insulator for all tapes up to 40 mm, anti-slip due to offset rubber profile, black

(qty 3)  
167203  
(qty 20)  
167220



**Polytape Corner Insulator**

**Solid plastic**  
Sturdy insulator for polytape up to 40mm, clamps the tape safely between 2 faces, ideal as corner insulator for 40mm polytape

167003 (qty 3)



**Polytape Corner Insulator**

**With 2 tape joiners**  
Corner insulator for polytape up to 40 mm incl. 2 tape joiners to connect and/or attach polytape

168003 (qty 3)



**Polytape Strain Insulator**

**With stainless steel connector plate**  
Sturdy insulator with stainless steel connector plate for polytape up to 40 mm, multiple applications in 40 mm polytape fences (see left side)

167103 (qty 3)



**Polytape Screw-On Rod Insulator**

For posts up to 12 mm, ideal for polytapes from 20 -40 mm and rope, black

127510 (qty 10)



**Rope and Tape Insulator**

**Wood thread**  
For tapes up to 40 mm and ropes, shaft diameter 6 mm, black

127026 (qty 25)



**Polytape Corner Donut Insulator**

**For polytape, wood thread**  
Corner insulator for polytape fences, for polytapes up to 40 mm, black

104003 (qty 3)



**Rope/Tape Insulator**

**Wood thread**  
For tapes up to 20 mm and rope, shaft diameter 6 mm, black

127325 (qty 25)



**Rope/Tape Insulator**

**Thread M6**  
For polytapes up to 20 mm and polyrope, black, tread length 25 mm

127225 (qty 25)

**Polytape Buckle**

**Plastic**  
Easily adjustable start and end connection for polytapes, allows rapid retensioning of the tapes, not suitable for electrical connections!

12.5 mm, (qty 5)  
103605

20 mm, (qty 5)  
103705

40 mm, (qty 3)  
103803

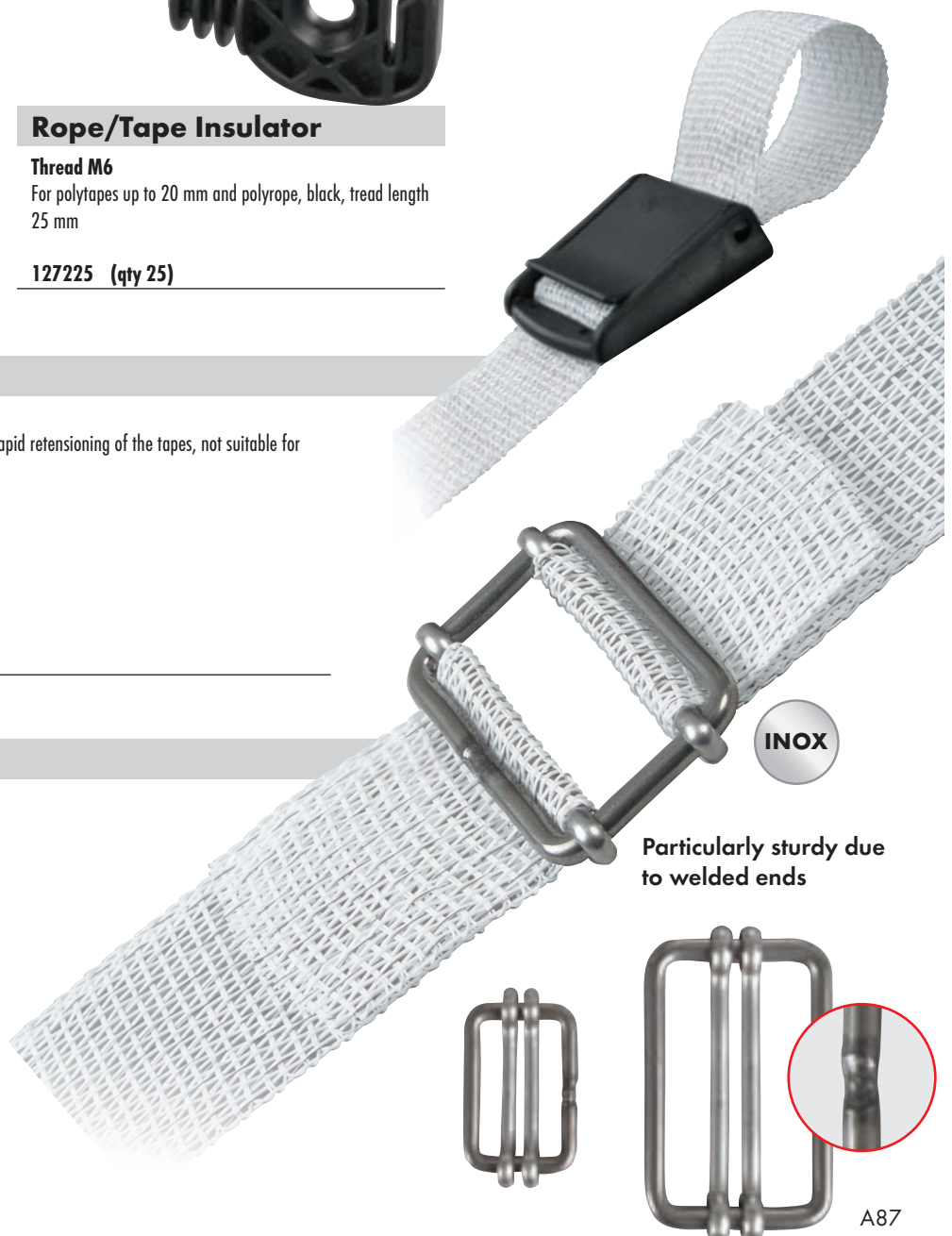
**Tape Joiner**

**stainless steel**  
Good connection, no corrosion, optimum current flow

10 - 12.5 mm, (qty 5)  
103305

20 mm, (qty 5)  
103405

30 - 40 mm, (qty 5)  
103505



INOX

Particularly sturdy due to welded ends

150 cm  
140 cm  
130 cm  
120 cm  
110 cm  
100 cm  
90 cm  
80 cm  
70 cm  
60 cm  
50 cm  
40 cm  
30 cm  
20 cm  
10 cm  
± 0 cm  
- 10 cm  
- 20 cm  
- 30 cm

### Plastic Post

Robust, fully insulating plastic post with steel spike and double step, 5 or 7 or 9 wire holders + 1 or 3 or 5 rope holders, 1 or 2 or 3 holders for tapes up to 40 mm

- ① 0.73 m 5 wire holders (fence height 55 cm)  
163310 (qty 10) white
- ② 0.73 m 5 wire holders (fence height 55 cm)  
163320 (qty 10) green
- ③ 1.05 m 7 wire holders (fence height 85 cm)  
163710 (qty 10) white
- ④ 1.05 m 7 wire holders (fence height 85 cm)  
163720 (qty 10) green
- ⑤ 1.55 m 9 wire holders (fence height 130 cm)  
163810 (qty 10) white



### Stirrup Post

Fibreglass reinforced, fully insulating plastic post with 6 or 8 holders for polywires, 20 and 40 mm polytape and for rope; steel spike, strong stirrup style treadins for easy ground insertion.

- ⑦ 1.15 m 6 wire holders (fence height 90 cm)  
163510 (qty 10) white
- ⑧ 1.55 m 8 wire holders (fence height 135 cm)  
163610 (qty 10) white
- ⑨ 1.55 m 8 wire holders (fence height 135 cm)  
163630 (qty 10) green



Holder for polywire and polytape up to 40 mm

Holder for polyrope

Holder for polywire and polytape up to 20 mm

Holder for polywire and polytape up to 40 mm

Holder for polyrope

Holder for polywire and polytape up to 20 mm

Step with stirrup style treading

Double step

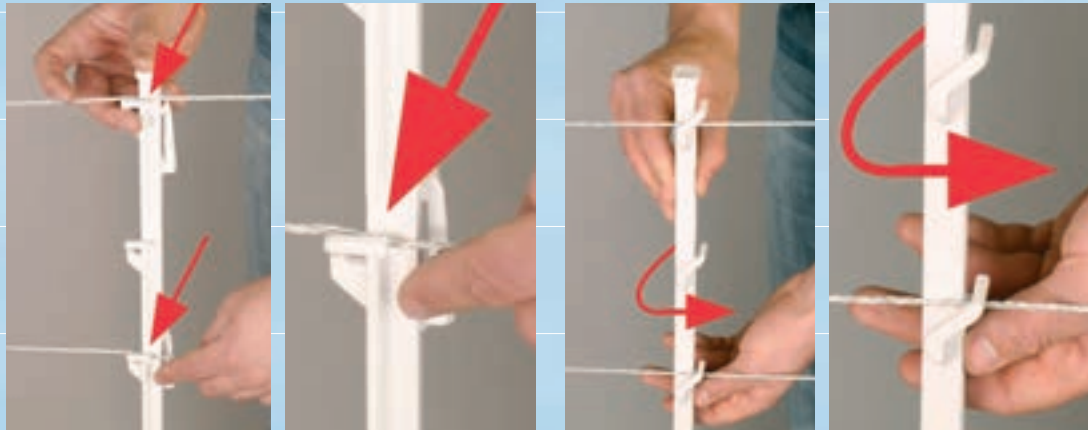
### Compact Plastic Post

Fully insulating plastic post with step, 7 wire holders for polywire and polytape up to 20 mm; 1.05 m long, fence height 0.85 m

- ⑥ 163050 (qty 10)



# System TwistFix



Place each polywire into the appropriate holder

Twist the post through 90° - all polywires are now fixed - then push into the ground



## Eyelet Insulator 19 mm

For posts Ø 19 mm

For polywire and rope  
251515 (qty 25)

For polytape  
251525 (qty 25)



## TwistFix Plastic Post

Robust plastic post with special wire holders for quick and protective wire attachment, 8 holders for polywire and polytape up to 12.5 mm or 4 holders for tape up to 40 mm, 1.05 m long, fence height 0.85 m, white

163410 (qty 10)



Holder for polywires and polytapes up to 12 mm

Holder for polytapes up to 40 mm

Solid step

## Plastic Post Ø 19 mm, round

White, robust, fully insulating plastic post with steel spike, without insulators

1.06 m, single spike (fence height 85 cm)  
241482 (qty 10)

1.46 m, double spike (fence height 125 cm)  
241492 (qty 10)

1.71 m, double spike (fence height 150 cm)  
241502 (qty 10)



- 30 cm

150 cm  
140 cm  
130 cm  
120 cm  
110 cm  
100 cm  
90 cm  
80 cm  
70 cm  
60 cm  
50 cm  
40 cm  
30 cm  
20 cm  
10 cm  
± 0 cm  
- 10 cm  
- 20 cm  
- 30 cm

### Ring Insulator

With split-pin  
For angle steel post, black

(qty 25)  
107325  
(bucket qty 125)  
107363



### Add-On Insulator for oval fibreglass post

UV-resistant, solid plastic insulator, black, clamps on oval fibreglass post, for polywire, polyrope and polytape up to 13 mm

(qty 25)  
165225



### Angle Steel Post

Welded step, strengthened at top (2mm only), painted red

107010	2 mm	1.15 m	(qty 10)
107140	3 mm	1.20 m	(qty 10)
107240	3 mm	1.50 m	(qty 10)

### Oval Fibreglass Post, metal spike

Made of fibreglass reinforced polyester resin of nearly unlimited life span (10 x 8 mm), glued in step and metal spike, with 2 insulators each

1.10 m	(fence height: approx. 90 cm)
111520	(qty 10)
1.60 m	(fence height: approx. 135 cm)
116020	(qty 10)

### Oval Fibreglass Post, fibreglass tip

Made of fibreglass reinforced polyester resin of nearly unlimited life span (10 x 8 mm), continuous fibreglass profile with integrated plastic step and tip, with 2 insulators each

1.10 m	(fence height: approx. 90 cm)
111540	(qty 10)
1.60 m	(fence height: approx. 135 cm)
116040	(qty 10)





**Insulator for fibreglass post, stainless steel**

For an easy mounting of small sized polytapes or polywires to round fibreglass posts; easy, continuous and quick height adjustment

**for fibreglass post Ø 12 mm**  
113200 (qty 25)

**for fibreglass post Ø 10 mm**  
113100 (qty 25)



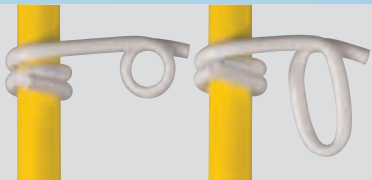
**Add-On Insulator for fibreglass post Ø 10 mm**

For installation of polywires to round fibreglass posts Ø 10 mm

**for fibreglass post Ø 10 mm**  
113325 (qty 25)



**For easier assembling, put in hot water beforehand**



**Eyelet Insulator 10 mm**

for posts Ø 10 mm

**For polywire and rope**  
251825 (qty 25)

**For polytape**  
251925 (qty 25)

**Eyelet Insulator 12 mm**

for posts Ø 12 mm

**For polywire and rope**  
251625 (qty 25)  
251660 (qty 150)

**Fibreglass Post Ø 10 mm**

Made of fibreglass strengthened polyester resin of nearly unlimited life span, glued on step, pointed tip

**1.15 m** (fence height 90 cm)  
111510 (qty 10)

**1.60 m** (fence height 135 cm)  
116010 (qty 10)

**1.60 m** (Fence height 1.35 m)  
116080 (qty 10) blue

**Fibreglass Post Ø 12 mm**

Made of fibreglass strengthened polyester resin of nearly unlimited life span, pointed tip

**1.15 m** (Fence height 0.90 m)  
111530 (qty 10)

**1.60 m** (Fence height 1.35 m)  
116030 (qty 10)



**Drive Caps for fibreglass post**

for driving-in round glass fibre posts with a hammer

**for fibreglass post Ø 10 mm - 12 mm**  
530010 (qty 1)

150 cm

140 cm

130 cm

120 cm

110 cm

100 cm

90 cm

80 cm

70 cm

60 cm

50 cm

40 cm

30 cm

20 cm

10 cm

± 0 cm

- 10 cm

- 20 cm

- 30 cm

### Special Spring Steel Post

1.07 m long, (fence height 0.83 m), oval (10 x 5.5 mm) or round (7.5 mm Ø), painted, pressed step

- ① Metal pigtail insulator (silver-yellow), oval 10640020
- ② Metal pigtail insulator (silver-yellow), round 10670020

### Spring Steel Post

1.00 m long, (fence height 0.80 m), oval (10 x 5.5 mm), painted red, welded step;

- ③ With ring insulator 106000
- ④ With metal pigtail insulator 106400
- ⑤ With plastic pigtail insulator 106300

### Spring Steel Post, round

1.00 m long (fence height 0.80 m), round (Ø 7.5 mm), painted red, welded step;

- ⑥ With ring insulator 106100
- ⑦ With metal pigtail insulator 106700
- ⑧ With plastic pigtail insulator 106200

### Spare Top Metal Pigtail Insulator

For steel posts, oval 1064025 (qty 25)

For steel posts, round 1067025 (qty 25)

for 10640020 10640025 (qty 50)

for 10670020 10670025 (qty 50)

### Spare Top Ring Insulator

For steel posts, oval 1060025 (qty 25)

For steel posts, round 1061025 (qty 25)

### Spare Top Plastic Pigtail Insulator

For spring steel post, round 1062025 (qty 25)

For spring steel post, oval 1063025 (qty 25)

150 cm

140 cm

130 cm

120 cm

110 cm

100 cm

90 cm

80 cm

70 cm

60 cm

50 cm

40 cm

30 cm

20 cm

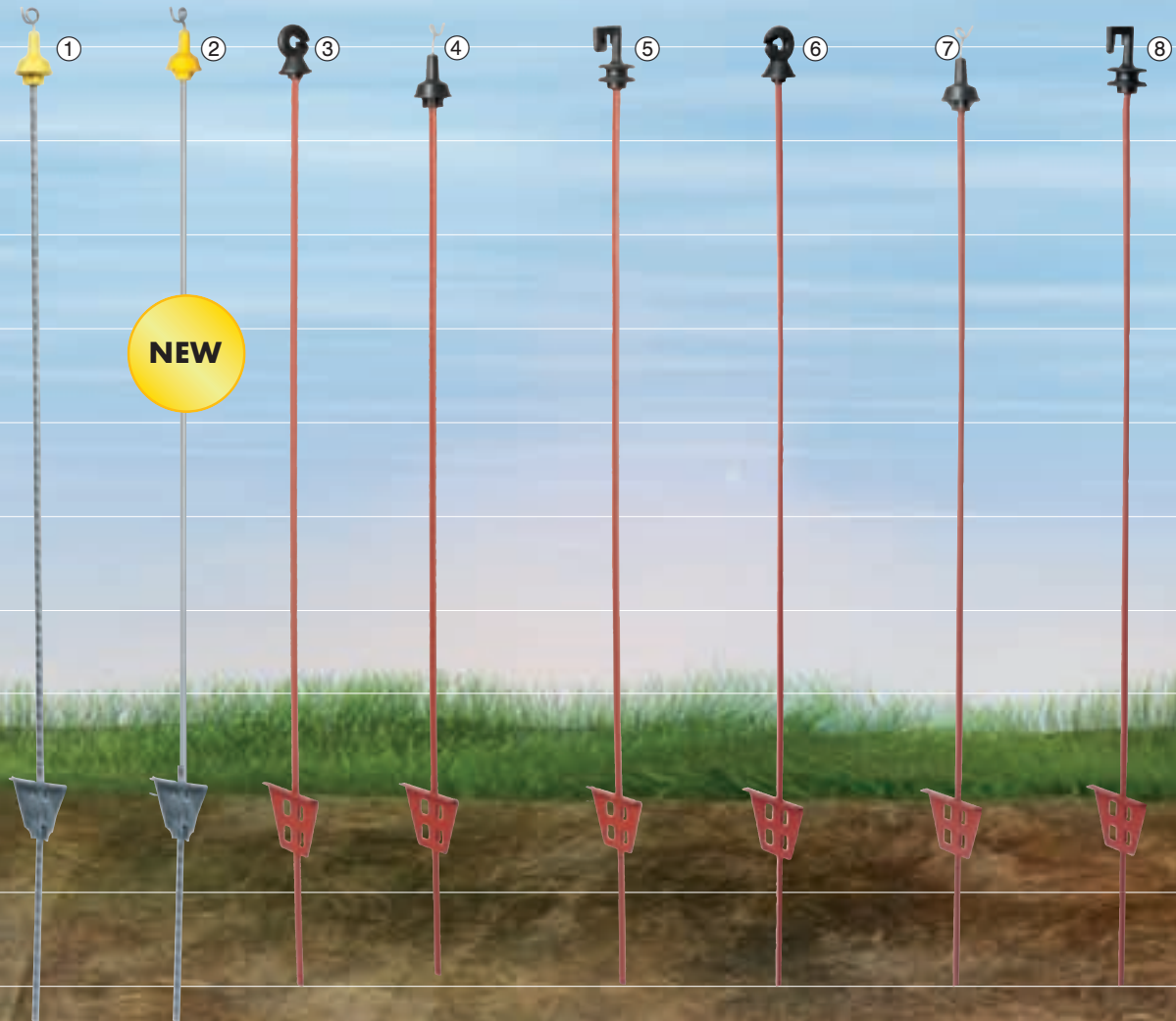
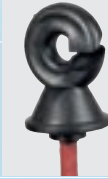
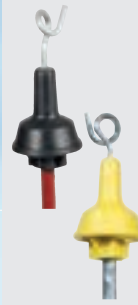
10 cm

± 0 cm

- 10 cm

- 20 cm

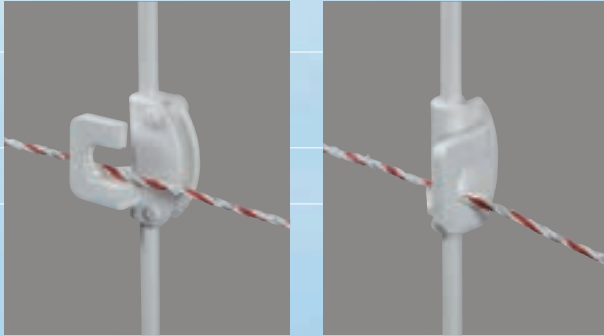
- 30 cm



# Spring Steel Posts

Steel posts have the advantage that they are equally sturdy at all temperatures. Even at the lowest temperatures there is no danger of breakage. They are suitable for all year round use.

## System TwistFix



Place the polywire in the holder

Turn the post through 90° - the polywire is fixed



### Add-on insulator for spring steel post

For polywire and tape up to 12,5 mm

For steel posts, oval  
168525 (qty 25)

For spring steel posts round and spring steel post with pigtail insulator  
168625 (qty 25)

150 cm  
140 cm  
130 cm  
120 cm  
110 cm

### TwistFix Spring Steel Post

Round (Ø 7 mm), powder-coated, extremely durable welded-on step, pre-pressed positions for secure attachment of insulators

1.13 m (fence height 0.90 m)  
with 2 insulators for polywire,  
polyrope and polytape up to 12.5 mm  
164110 (qty 10)



### Spring Steel Post with Pigtail Insulator

round, Ø 7 mm, double welded-on step with tread plate, pointed, large pigtail insulator

1.07 m (Fence height: 0.86 m)  
164220 (qty 10)



100 cm  
90 cm  
80 cm  
70 cm  
60 cm  
50 cm  
40 cm  
30 cm  
20 cm  
10 cm  
± 0 cm  
- 10 cm  
- 20 cm  
- 30 cm



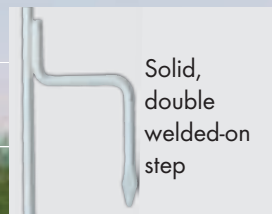
### Add-on insulator

For TwistFix post 164110

For polywire, polyrope and polytape up to 12,5 mm

165920 (qty 20)

Pre-pressed positions  
for insulators



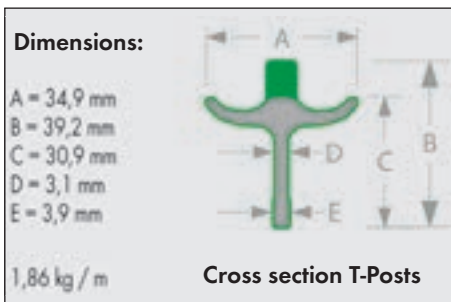
Solid,  
double  
welded-on  
step

# There is steel and then there is steel!

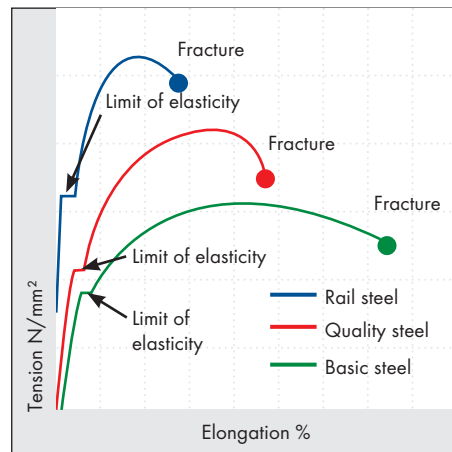
Rail steel, as typically used for the manufacture of railway tracks, is a high quality steel with high level of load bearing capacity, longevity and quality.

## T-Posts

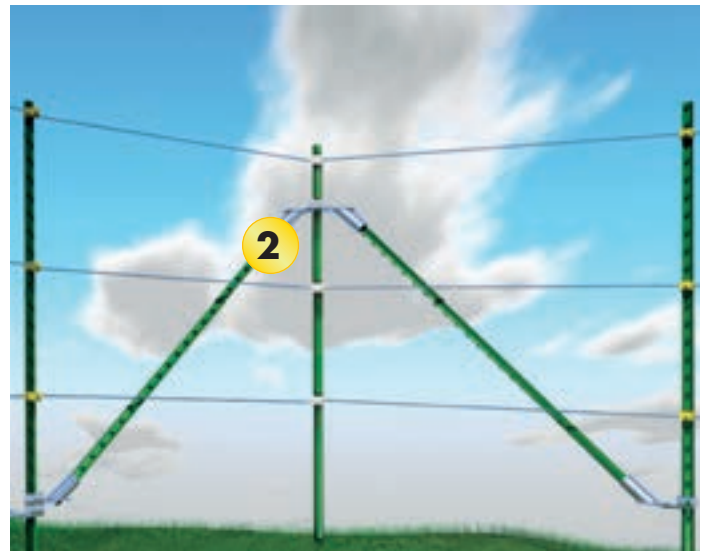
The original American T-Post is made of recycled, high quality, hot rolled rail steel. It is extremely robust and long-lived. Every 55 mm along the length there are large studs that securely set the height of the insulators. T-Posts are driven into the ground at least to the upper edge of the base plate. There are several different insulators available for the attachment of wire, rope or tape. For better weather protection, the post is painted.



- Robust, long-lived T-profile
- Large retaining studs for insulators (distance 55 mm)



Rail steel is one of the types of steel of which the greatest demands can be made. Rail steel has the highest level of stiffness, and absorbs the heaviest load with minimal deformation.



Green painted surface

Solid base plate for optimal hold

**1**



### T-Post - Starter Set

Starter set, consisting of: 2 x 60° sleeves, 2 straight brackets (Posts and insulators are not included)

**172800**

**2**



### T-Post - 90° Corner Set

90° Corner set, consisting of: 4 x 60° sleeves, 1 corner bracket, 2 straight brackets (posts and insulators are not included)

**172700**



### T-Post, painted

Original American T-Post of recycled rail steel: painted green, with solid base plate, 5 lengths:

171500	1.52 m	max. fence height 1.12 m / 3.1 kg
171600	1.67 m	max. fence height 1.27 m / 3.4 kg
171800	1.82 m	max. fence height 1.42 m / 3.7 kg
172100	2.13 m	max. fence height 1.73 m / 4.3 kg
172400	2.40 m	max. fence height 2.00 m / 4.6 kg



Special offer: complete pallets qty 200 = 1 pallet

171504	1.52 m
171604	1.67 m
171804	1.82 m
172104	2.13 m
172404	2.40 m

### Rammer

① For T-Posts,  
solid round tubing, hot-dip galvanised

153600

② For T-Posts, with handles

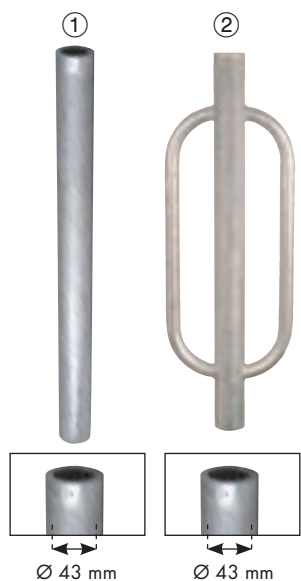
Solid round tubing with 2 handles, ideal for guiding T-Posts when driving in, hot-dip galvanised

153400

### Post Lifter

For easy lifting of T-Posts; hot-dip galvanised

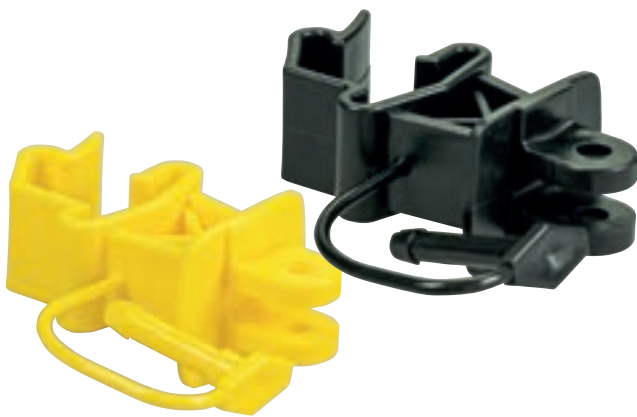
153700



Special offer  
for complete  
pallets (= qty  
200 posts)



## Insulators for T-Posts

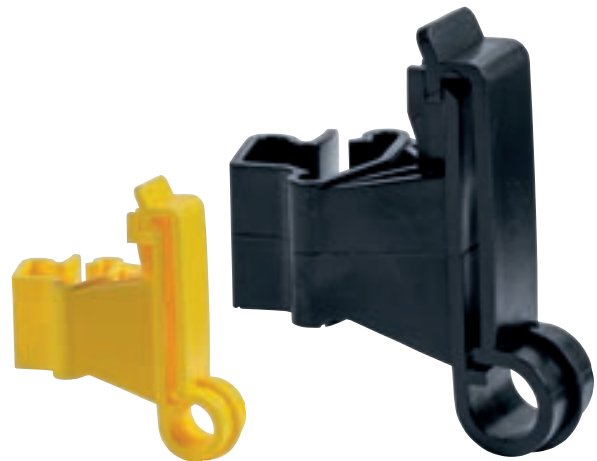


### Standard Pinlock Insulator

**For T-Posts**

For wire, polywire and rope, with pin for easy fastening and releasing of the wire

- 174425 black (qty 25)
- 174450 black (qty 500)
- 174525 yellow (qty 25)
- 174550 yellow (qty 500)



### Polytape Insulator

**For T-Posts**

For polytape up to 40 mm

- 173125 black (qty 25)
- 173190 black (qty 500)
- 171125 yellow (qty 25)
- 171190 yellow (qty 500)



### Offset Insulator

**For T-Posts**

For wire, polywire and rope, offset dimension 125 mm

- 173625 black (qty 25)
- 173725 yellow (qty 25)



### Polytape Offset Insulator

**For T-posts**

For polytape up to 40 mm, offset dimension 125 mm

- 173870 black (qty 20)
- 173820 yellow (qty 20)





### Cap Insulator

**For T-Posts**

For tapes up to 40 mm, ropes and polywires, protects against injuries from sharp, jagged post tops

171210	black	(qty 10)
171270	black	(qty 200)
173210	yellow	(qty 10)
173270	yellow	(qty 200)

### XL-Insulator with pin

**For T-Posts**

For wire, polywire rope and HippoWire, with pin for easy fastening and releasing of the wire

174125	black	(qty 25)
174190	black	(qty 500)



### Standard Insulator

**For T-Posts**

For wire, polywire and rope

174625	black	(qty 25)
174650	black	(qty 500)
174725	yellow	(qty 25)
174750	yellow	(qty 500)

### Ring Insulator

**For T-Posts**

For wire, polywire and rope

174325	black	(qty 25)
174225	yellow	(qty 25)



### Mounting Kit for T-Posts

Consists of mounting brackets and stainless steel screws M6, suitable for mounting all insulators with metric thread M6 or all insulators with 6 mm hole diameter to T-Posts, especially suitable for corner installations of polytape on T-Posts using our polytape strain or polytape corner insulators ref. 167003 and 167103

172902	(qty 2)
172910	(qty 10)

### Fastening Clips

**For T-Posts**

To attach non-electrified wires directly to T-Posts

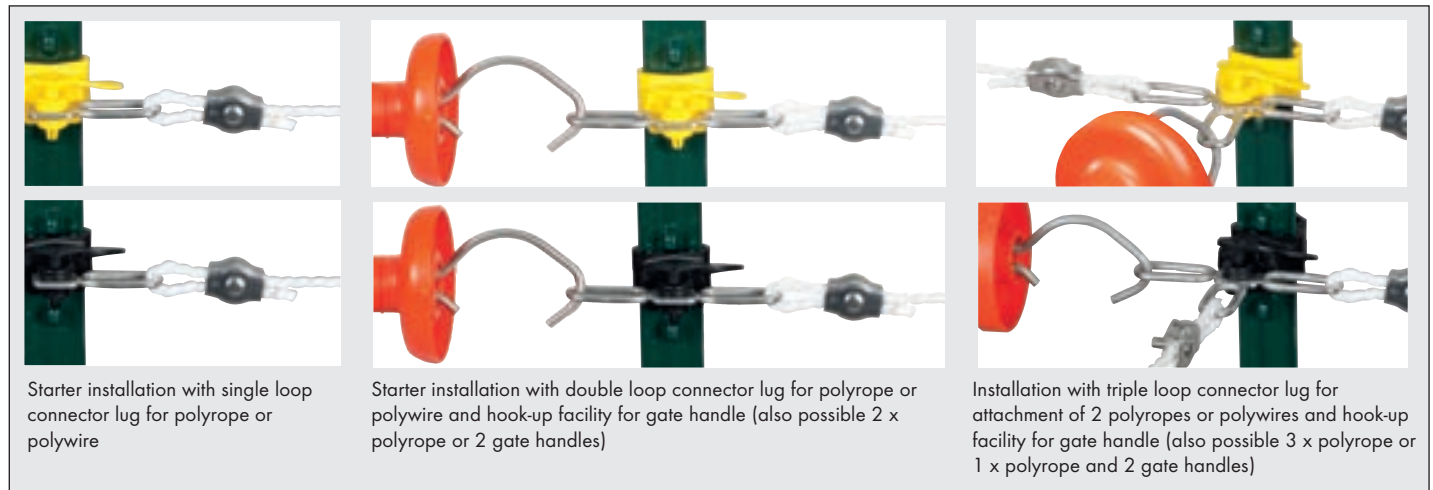
172525	(qty 25)
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# Corner installation on T-Posts

As corner posts for fences with T-Posts we recommend the use of robinia posts or pressure-impregnated wooden posts with the appropriate insulators for polywire, polyrope or polytape. If T-Posts are used as corner posts, we recommend a corner structure with our corner or starter set. The appropriate insulators are fastened to it, see below.

## Corners for polyrope and polywire fences

For polyrope and polywire fences we recommend the use of our XL insulator (ref. 174125) and/or our standard pinlock insulator (ref. 174425 and 174525). Connector lugs with 1, 2 or 3 loops are fastened to it.



Starter installation with single loop connector lug for polyrope or polywire

Starter installation with double loop connector lug for polyrope or polywire and hook-up facility for gate handle (also possible 2 x polyrope or 2 gate handles)

Installation with triple loop connector lug for attachment of 2 polyropes or polywires and hook-up facility for gate handle (also possible 3 x polyrope or 1 x polyrope and 2 gate handles)

### Connector Lugs

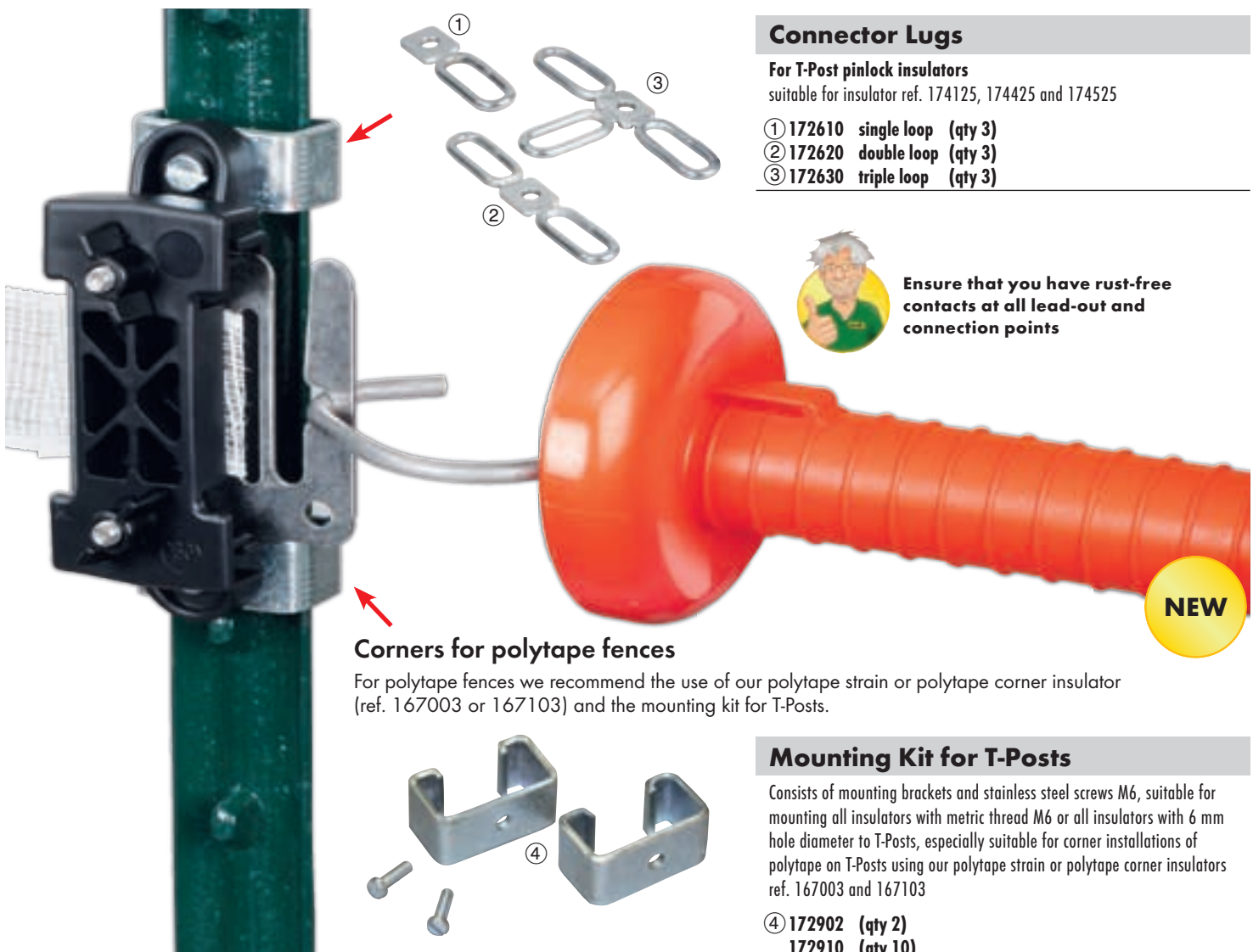
For T-Post pinlock insulators suitable for insulator ref. 174125, 174425 and 174525

- ① 172610 single loop (qty 3)
- ② 172620 double loop (qty 3)
- ③ 172630 triple loop (qty 3)



Ensure that you have rust-free contacts at all lead-out and connection points

**NEW**



### Corners for polytape fences

For polytape fences we recommend the use of our polytape strain or polytape corner insulator (ref. 167003 or 167103) and the mounting kit for T-Posts.

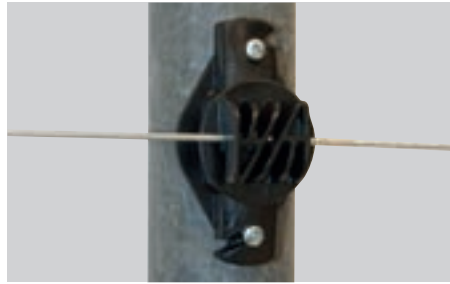
### Mounting Kit for T-Posts

Consists of mounting brackets and stainless steel screws M6, suitable for mounting all insulators with metric thread M6 or all insulators with 6 mm hole diameter to T-Posts, especially suitable for corner installations of polytape on T-Posts using our polytape strain or polytape corner insulators ref. 167003 and 167103

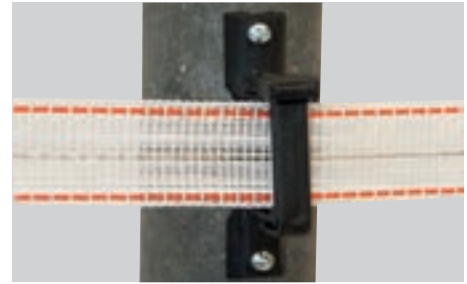
- ④ 172902 (qty 2)
- 172910 (qty 10)



Rope fixation with ring insulators or insulators for permanent fence



Wire fixation with insulators for permanent fence which allows direct mounting to the post.



Tape attachment with polytape line insulators which can be screwed directly to the post.

100 % recycled plastic material

### Standard T-Post

Robust post of recycled steel: painted green, with solid base plate, 4 lengths:

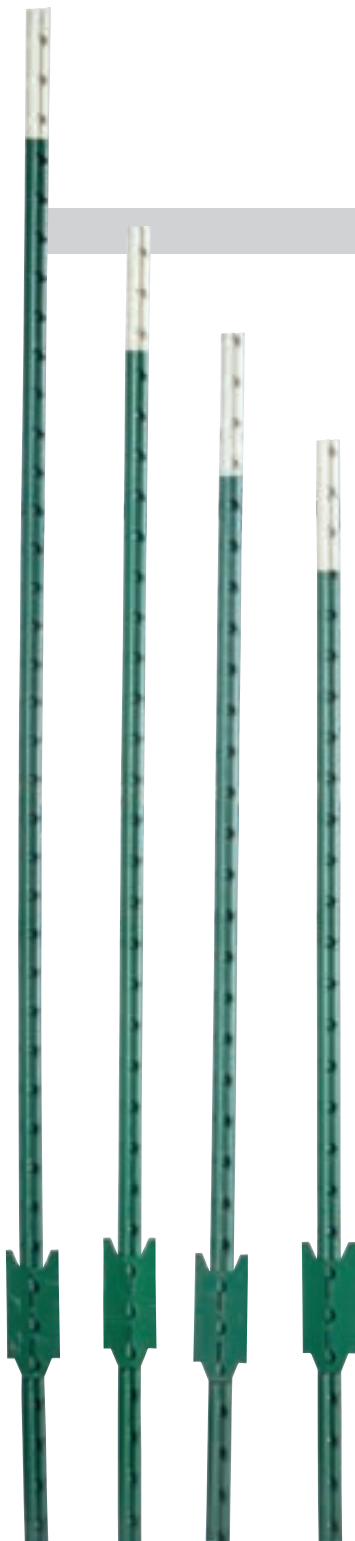
171550	1.52 m	max. fence height 1.12 m / 3.1 kg
171650	1.67 m	max. fence height 1.27 m / 3.4 kg
171850	1.82 m	max. fence height 1.42 m / 3.7 kg
172150	2.13 m	max. fence height 1.73 m / 4.3 kg

214000	214100	214200
		

### Recycled Plastic Post

Made of highest quality recycled plastic; UV-resistant; high breaking strength; resistant to oils, leaches, acids and microorganisms; can be drilled, screwed, nailed and sawn like wood

- round, pointed
- 1.50 m,  $\varnothing$  4.5 cm
- 214000 (qty 1)
- 1.75 m,  $\varnothing$  6.0 cm
- 214100 (qty 1)
- 2.00 m,  $\varnothing$  8.0 cm
- 214200 (qty 1)





## PATURA hardwood post – the self-insulating wooden post

PATURA hardwood is a hardwood that possesses full electrical insulation qualities. This special hardwood has been used successfully for over 25 years in electric fence construction. It is the basis for electric fences without insulators. It is a natural product that is very durable in the ground without the need for poisonous impregnation measures. And for the future, PATURA hardwood will avoid the environmental disposal problems that (e.g.) most impregnated wooden posts or recycled plastic posts have.

**PATURA hardwood posts, the proven alternative. The secure and durable wire attachment using pre-formed wire clips, in combination with the insulating PATURA hardwood, allows an electric fence without insulators. Problems with defective insulators are a thing of the past.**



### Rammer

**For hardwood posts 40 x 40 mm**  
Made of square tubing, 2 guide handles, for easy driving-in of hardwood posts

**0.94 m**  
**532000**

**1.09 m**  
**531000**

**For hardwood posts 50 x 50 mm**  
Made of square tubing with 2 guide handles

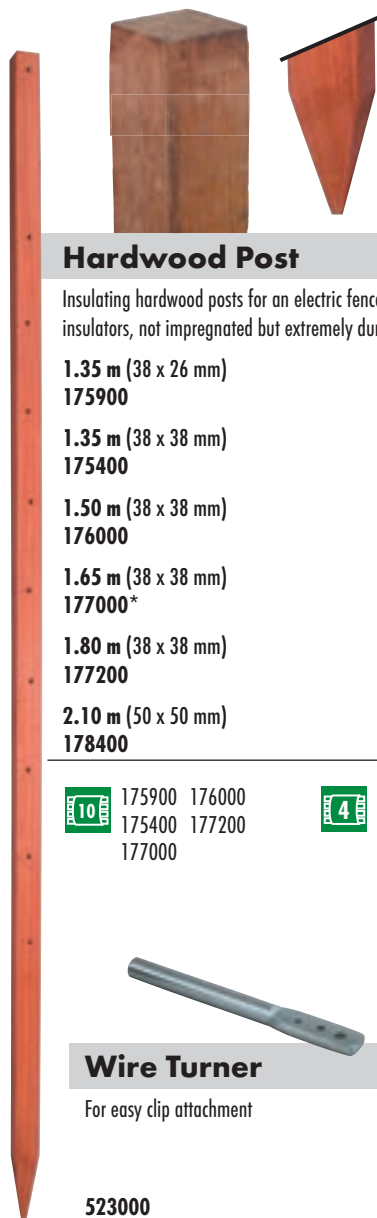
**1.24 m**  
**534000**



### Drive Cap

For driving in hardwood posts with a hammer

**For posts 40 x 40 mm**  
**530000**



### Hardwood Post

Insulating hardwood posts for an electric fence without insulators, not impregnated but extremely durable

**1.35 m (38 x 26 mm)**  
**175900**

**1.35 m (38 x 38 mm)**  
**175400**

**1.50 m (38 x 38 mm)**  
**176000**

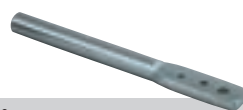
**1.65 m (38 x 38 mm)**  
**177000\***

**1.80 m (38 x 38 mm)**  
**177200**

**2.10 m (50 x 50 mm)**  
**178400**

175900 176000  
175400 177200  
177000

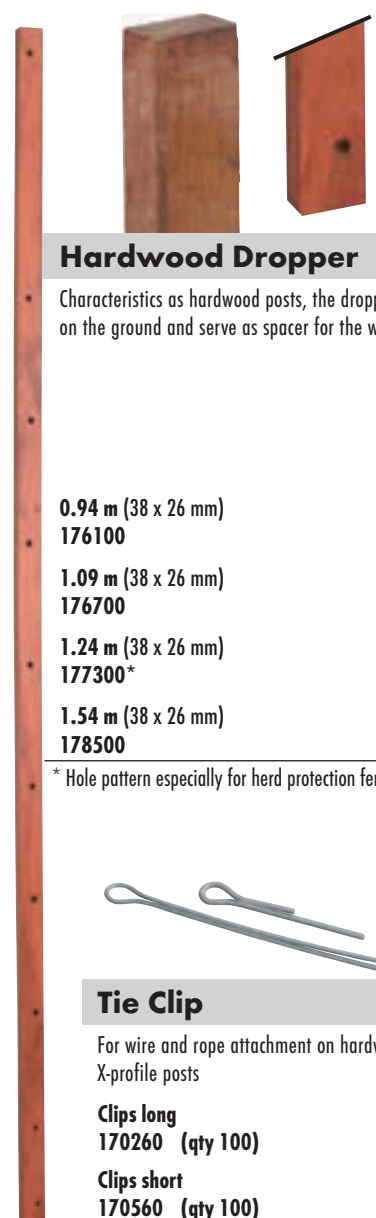
178400



### Wire Turner

For easy clip attachment

**523000**



### Hardwood Dropper

Characteristics as hardwood posts, the droppers rest on the ground and serve as spacer for the wires

**0.94 m (38 x 26 mm)**  
**176100**

**1.09 m (38 x 26 mm)**  
**176700**

**1.24 m (38 x 26 mm)**  
**177300\***

**1.54 m (38 x 26 mm)**  
**178500**

\* Hole pattern especially for herd protection fences



### Tie Clip

For wire and rope attachment on hardwood or X-profile posts

**Clips long**  
**170260 (qty 100)**

**Clips short**  
**170560 (qty 100)**



**10** year  
**WARRANTY**

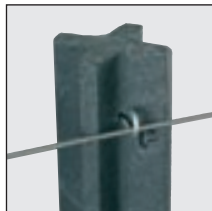
## X-Profile Post: the ideal line post

The electric fence's line posts serve mainly to carry the fence wiring and adjust its height. Posts on permanent fences should have a long life span. The X-profile post is particularly suitable for it.

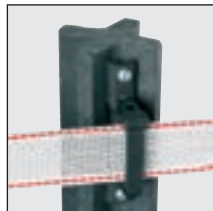
Tip: When the ground is very shallow, stony, or very hard we recommend to use our hardwood posts or T-Posts that can be driven into the ground easier under above mentioned circumstances.



Rope attachment with clips



Wire attachment with clips



Tape attachment with polytape line insulators which can be screwed directly to the post without pre-drilling

X-profile 70 x 70 mm for optimum stability

100 % recycled plastic material

Pre-drilled holes for standard wire spacing

100 % insulating – no insulators necessary

Resistant to acids, salts, water and frost

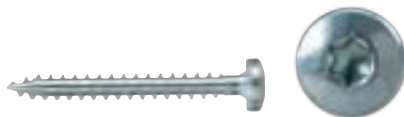


### Polytape Insulator

**Solid plastic**

Suitable as line insulator for all polytapes up to 40 mm, separate holder for rope

**166825 (qty 25)**



### Special Wood Screws

**4.5 x 35 mm, torx TX20**

Galvanised, with special thread, for the attachment of permanent fence and polytape insulators, incl. 1 screw bit

**135060 (qty 100)**



### Rammer

For X-profile posts with 2 guide handles, 1.00 m

**153500**

### X-Profile Post

High quality recycled plastic post, pointed, ground water neutral, resistant to acids, salts, water and frost, UV-resistant and rot-proof, with drill-holes for tie clips, rugged X-profile 70 x 70 mm

**215000 1.50 m**

**218500 1.85 m**

**Qty 120 = 1 pallet**

**215065 1.50 m**

**218565 1.85 m**

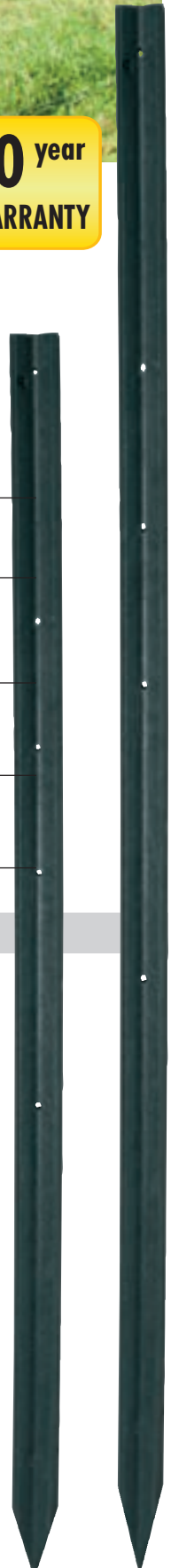


### Tie Clip

For wire attachment on X-profile posts

**Clips short**

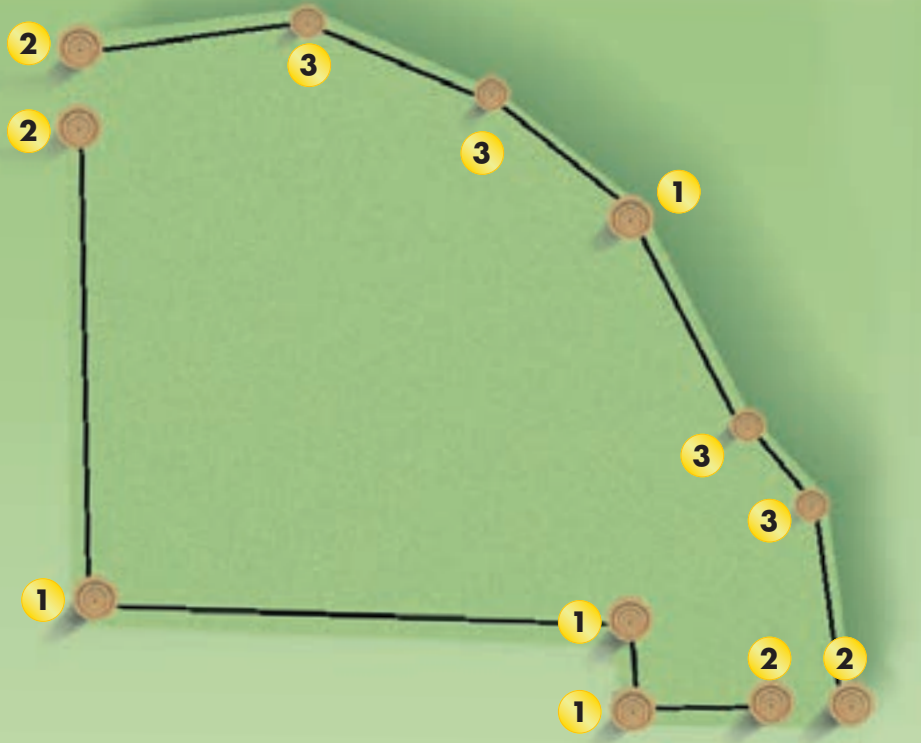
**170560 (qty 100)**



### Wooden Corner Posts

A permanent fence always runs in a straight line between tensioning, corner or curve posts. It is important to ascertain where in a property gates and corners are to be situated, and where the line of the fence will not be straight. At corners and gates solid posts should be used. The appropriate strain insulators should be affixed to these. At less severe directional changes, posts of a smaller diameter can be used. Permanent fence insulators should be attached to these. On the straight line of the fence small diameter posts can be used.

- 1** Corner post Ø 14 – 18 cm
- 2** Tension post Ø 14 – 18 cm
- 3** Curve post Ø 10 – 12 cm



Plan view of a permanent fence paddock area with an indication of the corner posts to be used.

## Corner posts for temporary and permanent fences

Posts at the beginning and in the corners of fences, as well as in curves and at gates, have the role of absorbing the tensions in the fence, and supporting it with respect to the ground. For permanent fences, especially those using steel wire, solid wooden posts are used. For temporary fences corner posts should be easy to anchor into the ground, yet still be able to take up the tensions of the polywires, ropes or tapes. Metal corner posts of galvanised angle iron are well suited to that role.

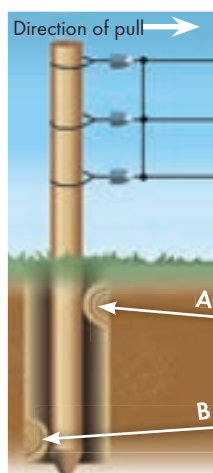
### 10 year warranty

We offer pressure-impregnated posts with a 10 year warranty. The posts carry the RAL mark of quality for impregnated wooden construction elements. The wood preservative used meets the DIN 68800-3 standard. By means of unique perforations in the above/below ground interface, the wood preservative reaches deep into the wood in this area. This ensures that in this critical part in particular the wood is optimally protected against rotting. All posts are stripped, chamfered and pointed by machine.

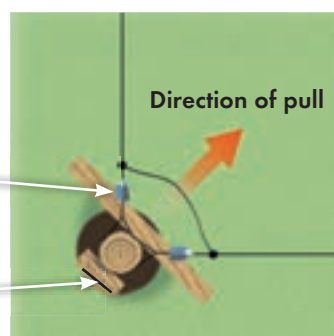
**10** year  
WARRANTY



**For a corner post, the direction of pull is the bisection of the angle formed by the two fence lines.**



The corner post of a fence installation is twice as long as the fence is high



Plan view of the construction of the corner of a permanent fence: note the position of the cross-beam

### Corner and tension posts - basic rules:

1. Sturdy start, corner, end and gate posts are prerequisites for the stability of a permanent fence.
2. Corner and tension posts should have a minimum diameter of 14 cm.
3. Tension and corner posts should be placed at least 1 m in the ground.
4. At right angles to the direction of pull a cross-beam (A) should be dug in about 10 cm under the surface.
5. At the bottom, on the side away from the direction of pull, a piece of wood or a stone (B) should be placed to act as abutment.



### Metal Corner Post Super

Made of sturdy, hot-dip galvanised angle iron, with 3 spikes and pre-drilled holes for corner insulators such as corner donut insulators and ring insulators

**Short: for fences up to 0.90 m**  
104500

**Long: for fences up to 1.30 m**  
104600



### Corner Donut Insulator

**With metric thread M8**  
Redirection of polywires at corners without chafing

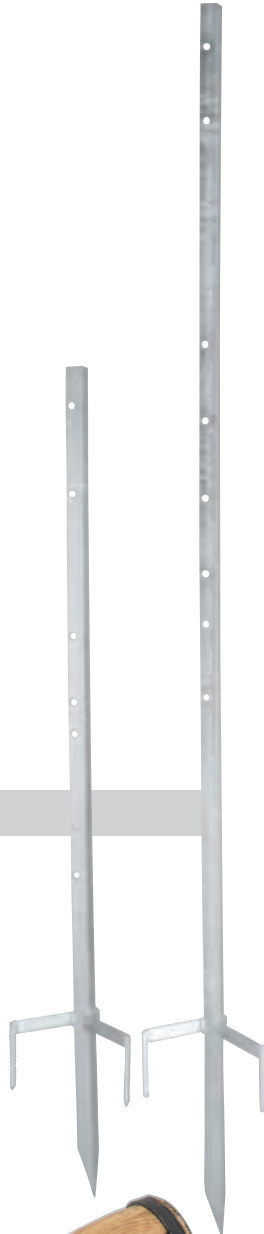
104206 (qty 6)



### Quality Ring Insulator

**Thread M6**  
High quality plastic, solid shaft attachment, large drip zones, shaft diameter 6 mm, black, thread length 25 mm

102425 (qty 25)



### Mallet

6 kg, with ergonomic handle; for driving-in wooden posts, X-profile posts and recycled posts

**Mallet**  
153200

**Spare handle**  
15320001

### Wooden Post

Pressure-impregnated with chrome free wood preservative KS-M salts to the RAL quality standard as per DIN 68800-3, stripped, pointed and chamfered

#### Diameter 16 - 18 cm

Ideal as corner, tension and gate posts in permanent fences  
**Perforated in the above/below ground interface,**  
10-year warranty

200000 2.00 m

225000 2.25 m

250000 2.50 m

275000 2.75 m

#### Diameter 10 cm

Ideal as posts in a permanent fence system where there is slight change in fence direction

175150 1.75 m

200150 2.00 m

225150 2.25 m

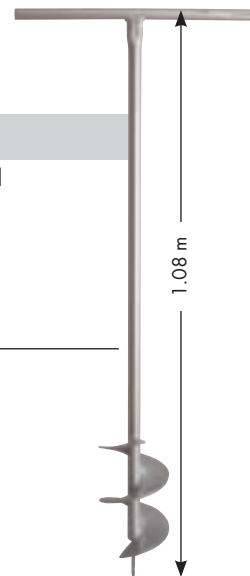
250150 2.50 m

#### Diameter 7 cm

Ideal as posts in straight sections of a permanent fence system

174950 1.50 m

175050 1.75 m



### Hand Borer

For easy hole boring by hand

**Ø 9 cm**  
153800

**Ø 15 cm**  
153900



### Hand Rammer

For driving in wooden posts up to Ø 12 cm by hand

153300

# Robinia Posts - strength by nature!

You are looking for a wooden post, that is hard, tough and at the same time elastic and more durable than oak and needs no chemical treatment?

**Our answer to this questions is clear: That's why we use PATURA Robinia Posts!**

The wood of the Robinia convinces with many properties: is heavy and hard, accordingly it has good strength values that clearly exceed those of the oak, as well as a high strength during dynamic requirements. Another advantage is the extremely strong heartwood which has high resistance against fungus and bugs by nature. Robinia Wood (*Robinia pseudoacacia*), native to North America, grows in Europe since some decades as well. Additionally the robinia is naturally resistant to some pests and this often provides the best protection possible - without the use of chemicals.

## Robinia Corner Post

Posts at the beginning and corners of a fence, as well as in curves and at gates, have the role of absorbing the tension in the fence, and supporting it with respect to the ground. At corners and gates solid posts should be used, they are the main component for a durable and longlasting electric fencing system. For this reason we offer a 10 years warranty on the quality of our Robinia Posts for corners and angles. For smaller changes of direction the Robinia curve posts are an ideal-fit.

<div style="background-color: #cccccc; padding: 5px; margin-top: 10px;"> <p><b>Robinia Curve Post</b></p> <p>Ø 10 - 12 cm, chamfered, 4-sides sharpened, debarked</p> </div> <p style="margin-top: 10px;">2.00 m 219122</p> <p style="margin-top: 5px;">2.50 m 219123</p> <hr style="border: 0.5px solid black;"/> <div style="display: flex; align-items: center; justify-content: center;"> <span style="font-size: 0.8em;">70</span> </div> <div style="text-align: center; margin-top: 20px;"> <p>Ø 10 - 12 cm</p> </div>	<div style="background-color: #cccccc; padding: 5px; margin-top: 10px;"> <p><b>Robinia Post, round</b></p> <p>Ø 14 - 16 cm, chamfered, 4-sides sharpened, debarked</p> </div> <p style="margin-top: 10px;">2.25 m 219120</p> <p style="margin-top: 5px;">2.50 m 219121</p> <hr style="border: 0.5px solid black;"/> <div style="display: flex; align-items: center; justify-content: center;"> <span style="font-size: 0.8em;">30</span> </div> <div style="text-align: center; margin-top: 20px;"> <p>Ø 14 - 16 cm</p> </div>	<div style="background-color: #cccccc; padding: 5px; margin-top: 10px;"> <p><b>Robinia Post, round</b></p> <p>Ø 16 - 18 cm, sanded, chamfered, 4-sides sharpened, planed</p> </div> <p style="margin-top: 10px;">2.25 m 219110</p> <p style="margin-top: 5px;">2.50 m 219111</p> <p style="margin-top: 5px;">2.75 m 219112</p> <hr style="border: 0.5px solid black;"/> <p style="margin-top: 5px;">IDEAL for horses!</p> <div style="display: flex; align-items: center; justify-content: center;"> <span style="font-size: 0.8em;">25</span> </div> <div style="text-align: center; margin-top: 20px;"> <p>Ø 16 - 18 cm</p> </div>
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The natural, lightly wound shape of the posts are both, visually attractive and unique. These typical characteristics of the robinia posts are unavoidable and thus nothing to complain about.



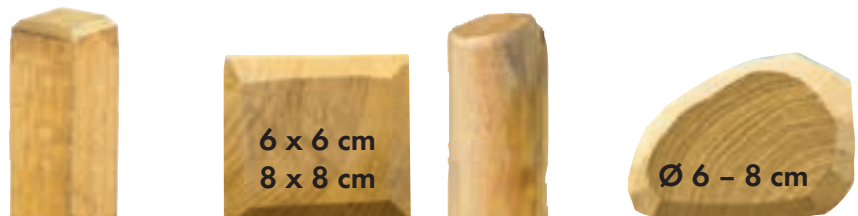
Natural product with a high level of stability and durability



Eco-friendly without impregnation

## Robinia Line Posts

Line posts serve mainly to carry the fence wiring and adjust its height. We offer a selection of the most important fence systems and we help you to find the right system for your animals and for your needs.



### ① Robinia Post, square

sawed, chamfered, 4-sides sharpened, rough-cut

1.50 m (6 x 6 cm)  
219100

2.00 m (8 x 8 cm)  
219101

IDEAL for horses!



### ② Robinia Post, natural growth

∅ 6 - 8 cm, splitted, chamfered, 4-sides sharpened, planed, sanded

1.50 m  
219105

2.00 m  
219106

IDEAL for horses!



### ③ Robinia Post, splitted into halves

∅ 13 - 15 cm, chamfered, 3-sides sharpened, debarked

1.50 m  
219115

1.80 m  
219116

2.00 m  
219114

2.25 m  
219117

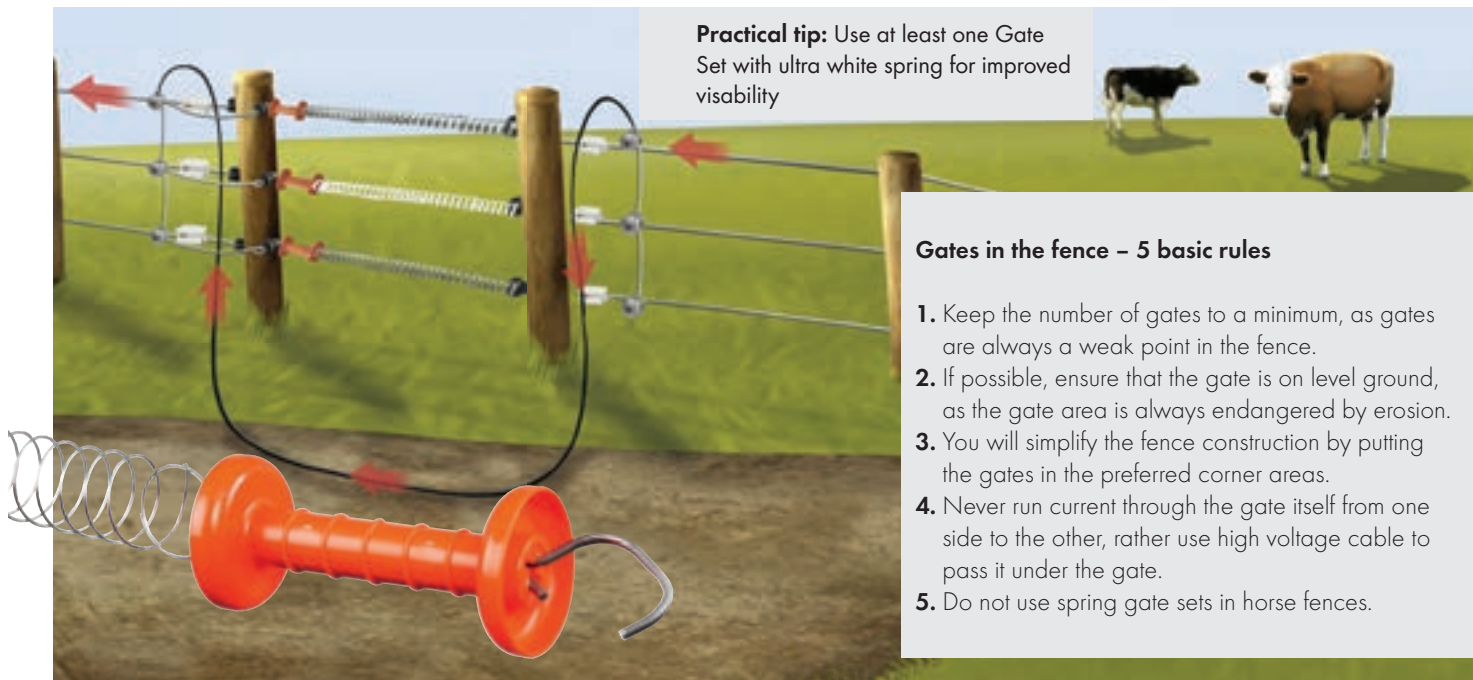
### ④ Robinia Post, round

∅ 6 - 8 cm, chamfered, 4-sides sharpened, debarked

1.50 m  
219124

2.00 m  
219125





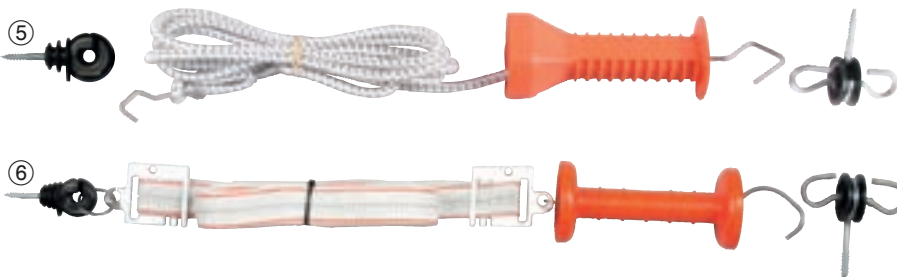
## As many gates as you need ... but as few as possible

Gates in fences are necessary to allow unhindered access to fenced-in areas, as well as for herding animals in and out. Gates often constitute a weak point in a fence - which is why special care is needed in their construction.

**Do NOT use for horses! ① ② ③ ④**



**IDEAL for horses! ⑤ ⑥**



### Spring gate set – the practical gate

A spring gate set consists of 4 parts: the gate handle, gate handle insulator, gate spring and the insulator for attaching the spring. PATURA spring gate sets contain an especially large spring and are suitable for all gate widths from 3 to 5 metres. In the opened condition the spring carries no current, contracts to about 25 cm and hangs down, with the handle, from the gate post. To shut the gate, the gate handle and spring are attached to the gate insulator on the other side of the gate. This allows the current to run inside the handle and through the spring.



### Spring Gate Set

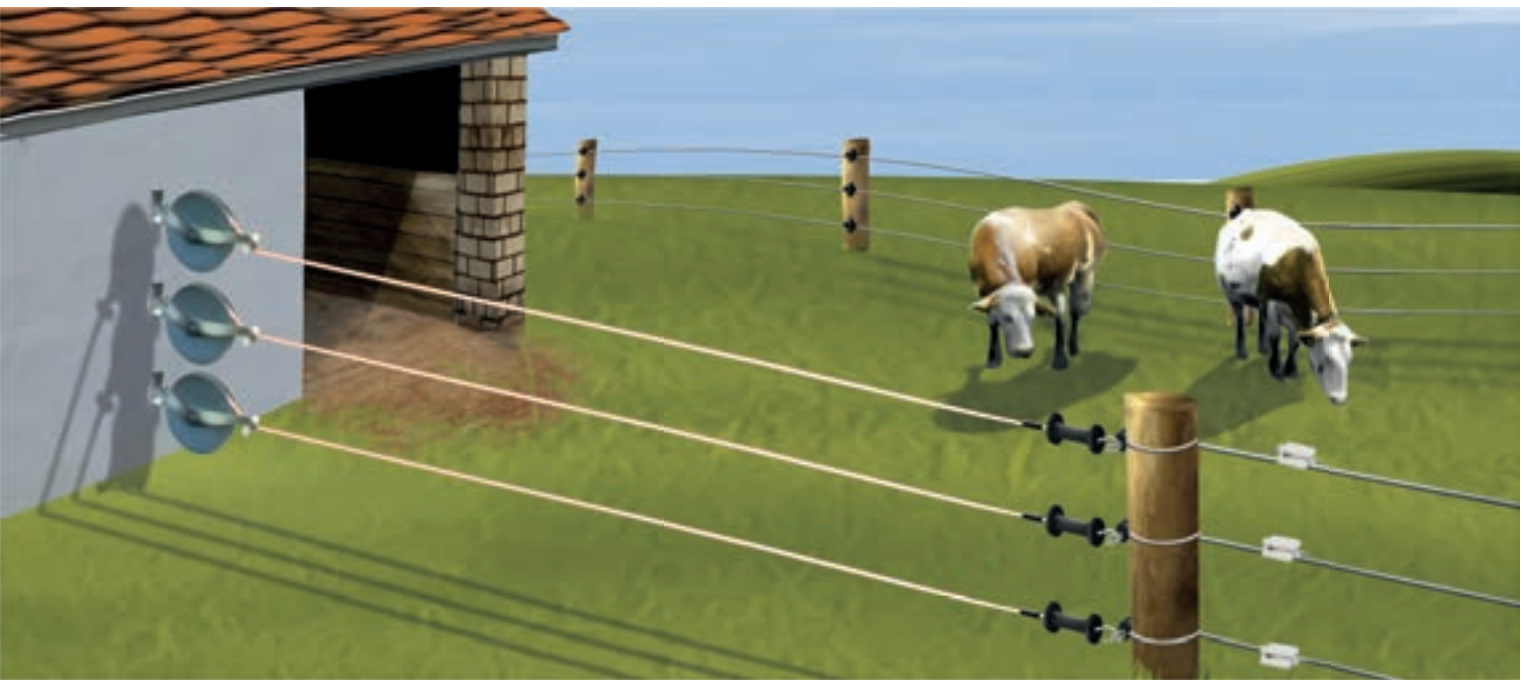
The practical gate; extends up to 5 m; complete with 1 (ea) gate handle, spring, gate handle insulator and ring insulator

- ① 164001 **Standard**
- ② 640001 **Stainless steel, with stainless steel gate handle and gate handle insulator**
- ③ 640010 **Stainless steel with gate handle and 3-way gate handle insulator**
- ④ 640100 **Ultra white, with stainless steel gate handle and gate handle insulator**

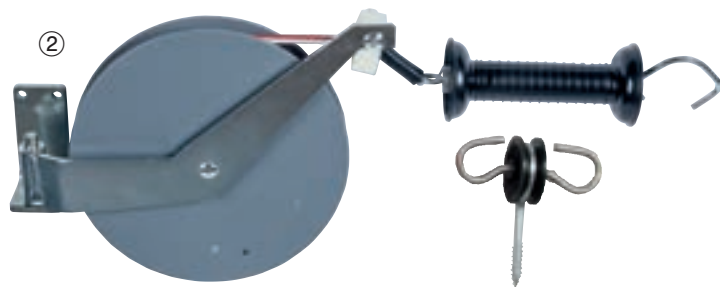
### Polytape Gate Set / Elastic Rope Gate Set

Each complete with gate handle, insulators and 3 m elastic, current conducting rope or 5 m polytape

- ⑤ 641201 **with elastic rope**
- ⑥ 641001 **with polytape**
- ⑦ 162225 **Elastic Rope, 8 mm, 25 m**
- 640900 **Spare Spring for gate, galv.**
- 640901 **Spare Spring for gate, ultra-white**



PATURA Retractable Roller Gates offer fast installation of flexible gates and partitions on pastures, drive paths, passage ways, paddocks and highly frequented spots at the fence. Thanks to a steady spring mechanism the tape retracts automatically. PATURA Retractable Roller Gates come in various models and different lengths to fit for each and every application.



### Special Retractable Roller Gate

Retractable Roller Gates which are steady and professional designed for the everyday use. For fast installation of flexible gates and partitions on pastures, drive paths, passage ways and paddocks. The 20 mm tape retracts automatically into the housing. Incl. Gate Handle Insulator, stainless steel.

- ① 641310 10 m, with tape 20 mm
- 641311 20 m, with tape 20 mm
- ② 641320 10 m, with tape 20 mm, turnable
- 641321 20 m, with tape 20 mm, turnable

### Standard Retractable Roller Gate



For fast installation of flexible gates and partitions on pastures, drive paths, passage ways and paddocks. Tape/rope retracts automatically to a protected housing unit. Mounting parts and gate handle are included.

- 641301 6 m rope
- 641302 6 m tape 35 mm
- 641304 15 m rope
- 641305 15 m tape 35 mm

### Electric Drive-Through Gate

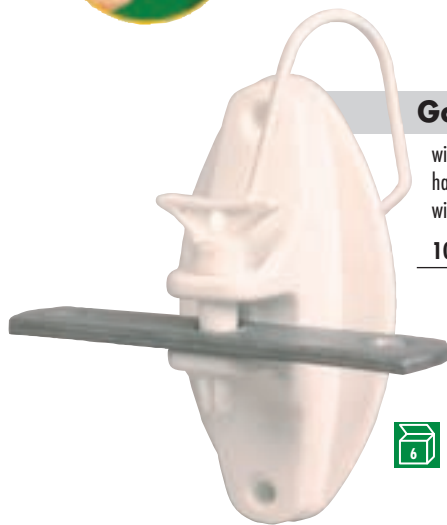
Consists of 2 conductive fibreglass rods, 2 hinges and insulated connecting cable; insulated handle for manual operation; gate opens in both directions and closes automatically; the stated width corresponds to the road width.

- 641400 3.60 m
- 641410 5.00 m





**Practical tip:**  
„Ensure that you have rust-free contacts made of stainless steel or hot-dip material near gates“



### Gate Handle Insulator 2-Way

with hot-dip galvanised plate for attachment of the gate handle on one side, and for the connection of the fence wire on the other side; 2 wood screws;

**102304 (qty 4)**



### Gate Handle Insulator Standard

Black, wood thread, 2 eyelets

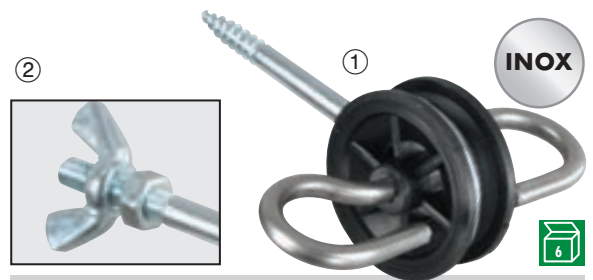
**102504 (qty 4)**



### Gate Handle Insulator 3-Way

Hot-dip galvanised plate, connection bolt for high voltage cable and 2 wood screws

**102604 (qty 4)**



### Gate Handle Insulator Stainless Steel

Black, wood thread, 2 stainless steel eyelets

① **102704 (qty 4)**

**metric thread M6**

Black, metric thread M6, 2 stainless steel eyelets

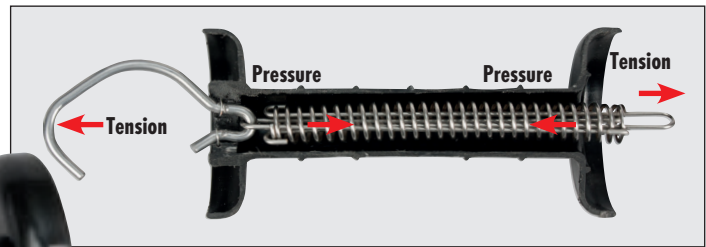
② **102804 (qty 4)**

INOX



**Tension-Limited Gate Handles with Stainless Steel Spring**

Cross-section through the tension-limited gate handle: The tension on the gate handle is converted to a pressure on the spring, i.e., the spring is pushed together and an over-extension of the spring is avoided.



**Special Gate Handle**

**With tension limitation**

Black, stainless steel hook, stainless steel spring, wide protective shield

① 639000

Orange, with stainless steel hook, stainless steel spring, wide protective shield

② 639400

**Special Gate Handle for Polytape**

**Special Gate Handle for polytape 10 - 20 mm**

With additional stainless steel connector plate for polytapes 10 to 20 mm

639530  
Gate Handle Connector Plate up to 20 mm  
639543 (qty 3)

**Special Gate Handle for Polytape up to 40 mm**

With additional stainless steel connector plate for polytapes up to 40mm

③ 639500  
Gate Handle Connector Plate up to 40 mm  
④ 639803 (qty 3)

**Special Gate Handle for Rope**

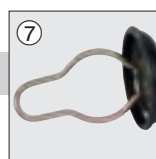
With additional, stainless steel rope thimble and rope clamp

⑤ 639550  
Gate Handle Connecting Kit for Rope  
(stainless steel rope thimble and rope clamp)  
⑥ 639563 (qty 3)

**Gate Handle with Tension Limitation**

⑦ Eyelet  
639700  
Eyelet, (qty 5)  
639705

⑧ Hook  
639600  
Hook, (qty 5)  
639605



**Gate Handle with Tension Spring**

- ⑨ 639200 Eyelet black
- ⑩ 639100 Hook black
- ⑪ 639110 Hook neon yellow
- ⑫ 639120 Hook blue
- ⑬ 639130 Hook pink
- ⑭ 639140 Hook neon green





- ① Pasture gate 0.90 m high:  
The user-friendly gate for cattle pastures
- ② Pasture gate 0.90 m high:  
The lamb-save gate for sheep paddocks
- ③ Pasture gate 1.10 m high:  
The gate for cattle pasture

## Adjustable Steel Pasture Gates

The safe and user-friendly access to your pasture:

- 6 models for widths from 1.00 to 6.00 m, each extendable by 1.00 m, with mounting kit for wooden posts
- Heavy duty steel tubing construction, with tube-in-tube adjustment, tube Ø 42.4 x 2.3 mm / 34 x 2 mm
- Height 0.90 or 1.10 m
- Clearance between tubes (0.90 m) 14 / 14 / 18 / 26 cm, clearance between tubes (1.10 m) 23 cm / 32 cm
- Special safety feature: fixations with hexagon socket screws

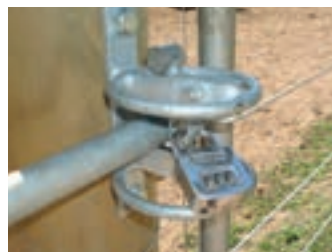
### Steel pasture gates with 7 advantages:



Advantage 1: completely hot-dip galvanised



Advantage 2: extendable



Advantage 3: lockable, padlock (optional extra)



**For frequently used gates and for highest safety we recommend using our steel pasture gates!**



Advantage 4: rounded, auto-latch



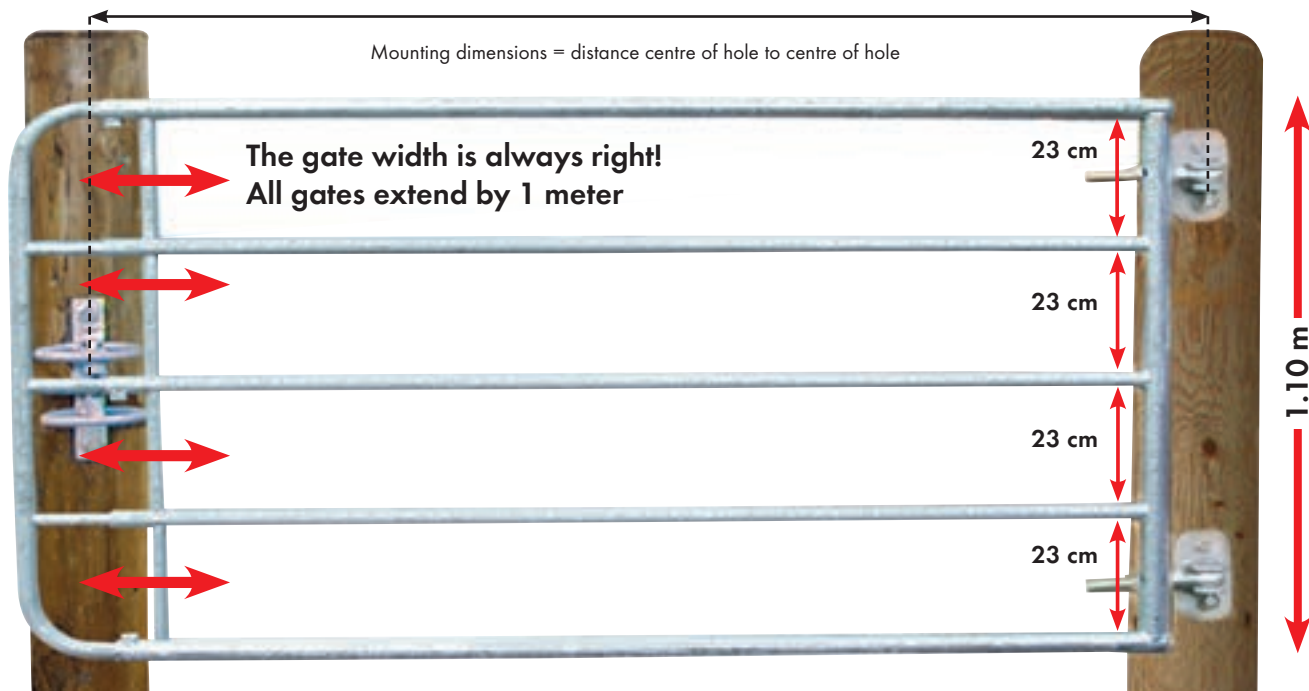
Advantage 5: sleeve for secure fixture of eyebolts



Advantage 6: 2 solid, easily adjustable eyebolts



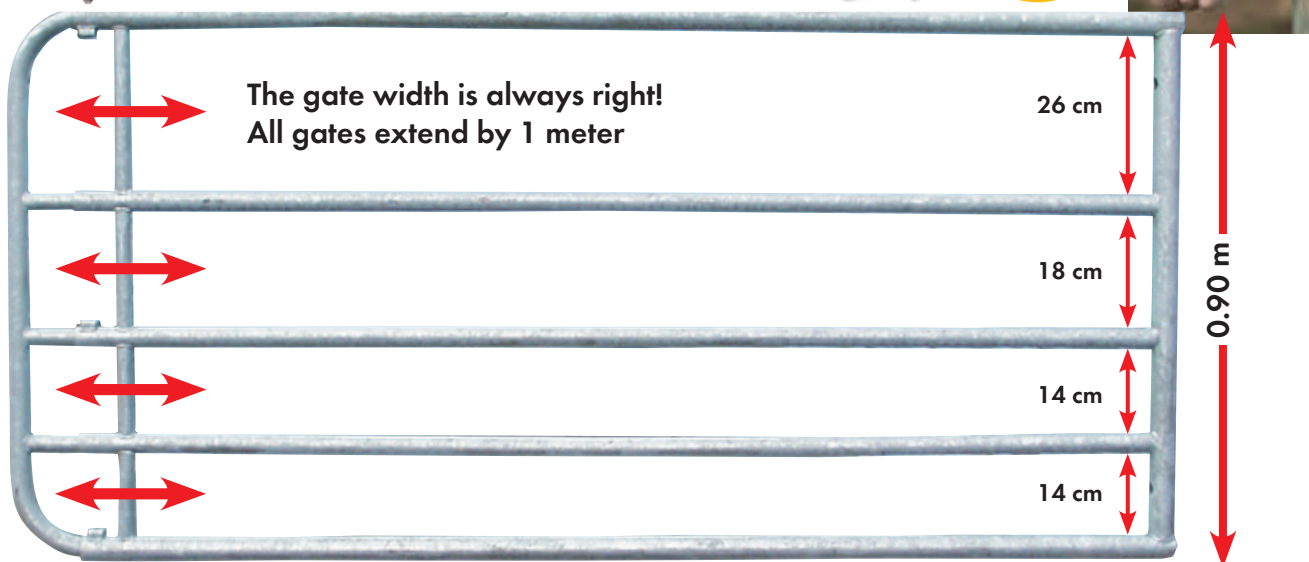
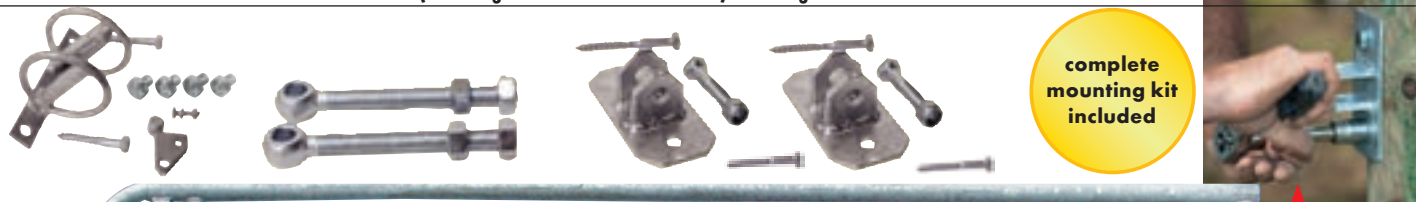
Advantage 7: electrification (optional extra)



**Pasture Gate, adjustable, height 1.10 m**

Sturdy, hot-dip galvanised gate made of steel tubing, complete mounting kit included, extendable by 1 m, tube diameters: main frame 42.4 mm / main frame inner 34 mm / extension section frame 34 mm / extension section inner 27 mm, clearance between tubes 23 cm

410200	1.10 - 1.70 m	1 vertical brace (mounting dimensions: 1.00 - 1.60 m)	25 kg
410300	1.45 - 2.00 m	1 vertical brace (mounting dimensions: 1.35 - 1.90 m)	28 kg
420300	2.00 - 3.00 m	1 vertical brace (mounting dimensions: 1.90 - 2.90 m)	38 kg
430400	3.00 - 4.00 m	2 vertical braces (mounting dimensions: 2.90 - 3.90 m)	49 kg
440500	4.00 - 5.00 m	3 vertical braces (mounting dimensions: 3.90 - 4.80 m)	60 kg
450600	5.00 - 6.00 m	4 vertical braces (mounting dimensions: 4.80 - 5.80 m)	68 kg



**Pasture Gate, adjustable, height 0.90 m**

Sturdy, hot-dip galvanised gate made of steel tubing, complete mounting kit included, extendable by 1 m, tube diameters: main frame 42.4 mm / main frame inner 34 mm / extension section frame 34 mm / extension section inner 27 mm, clearance between tubes (bottom up) 14 cm / 14 cm / 18 cm / 26 cm

371020	1.10 - 1.70 m	1 vertical brace (mounting dimensions: 1.00 - 1.60 m)	24 kg
371030	1.45 - 2.00 m	1 vertical brace (mounting dimensions: 1.35 - 1.90 m)	26 kg
372030	2.00 - 3.00 m	1 vertical brace (mounting dimensions: 1.90 - 2.90 m)	36 kg
373040	3.00 - 4.00 m	2 vertical braces (mounting dimensions: 2.90 - 3.90 m)	47 kg
374050	4.00 - 5.00 m	3 vertical braces (mounting dimensions: 3.90 - 4.80 m)	58 kg
375060	5.00 - 6.00 m	4 vertical braces (mounting dimensions: 4.80 - 5.80 m)	66 kg





## 4-Tube Adjustable Pasture Gate for horses

The horse-safe pasture gate!

The PATURA pasture gate for horses provides horse-safe and easy access to the pasture. To ensure the highest level of animal safety, all pipe distances are based on the guidelines for horse keeping of the German Federal Ministry of Food and Agriculture (BMEL). Additional covers of the eye bolts protect against sharp edges in the animal area.

The safe and user-friendly access to your pasture:

- 6 models for widths from 1.00 to 6.00 m, each extendable by 1.00 m, with mounting kit for wooden posts
- Heavy duty steel tubing construction, with tube-in-tube adjustment, tube Ø 42.4 mm / 34 mm
- Height 1.10 m
- Clearance between tubes 1.10 m: 32 cm
- Special safety feature: 3 fixations with hexagon socket screws

### Steel pasture gates with 7 advantages:



Advantage 1: rounded, auto-latch



Advantage 2: lockable, padlock (optional extra)



Advantage 3: extendable



Advantage 4: electrification (optional extra)



Advantage 5: 2 solid, easily adjustable eyebolts

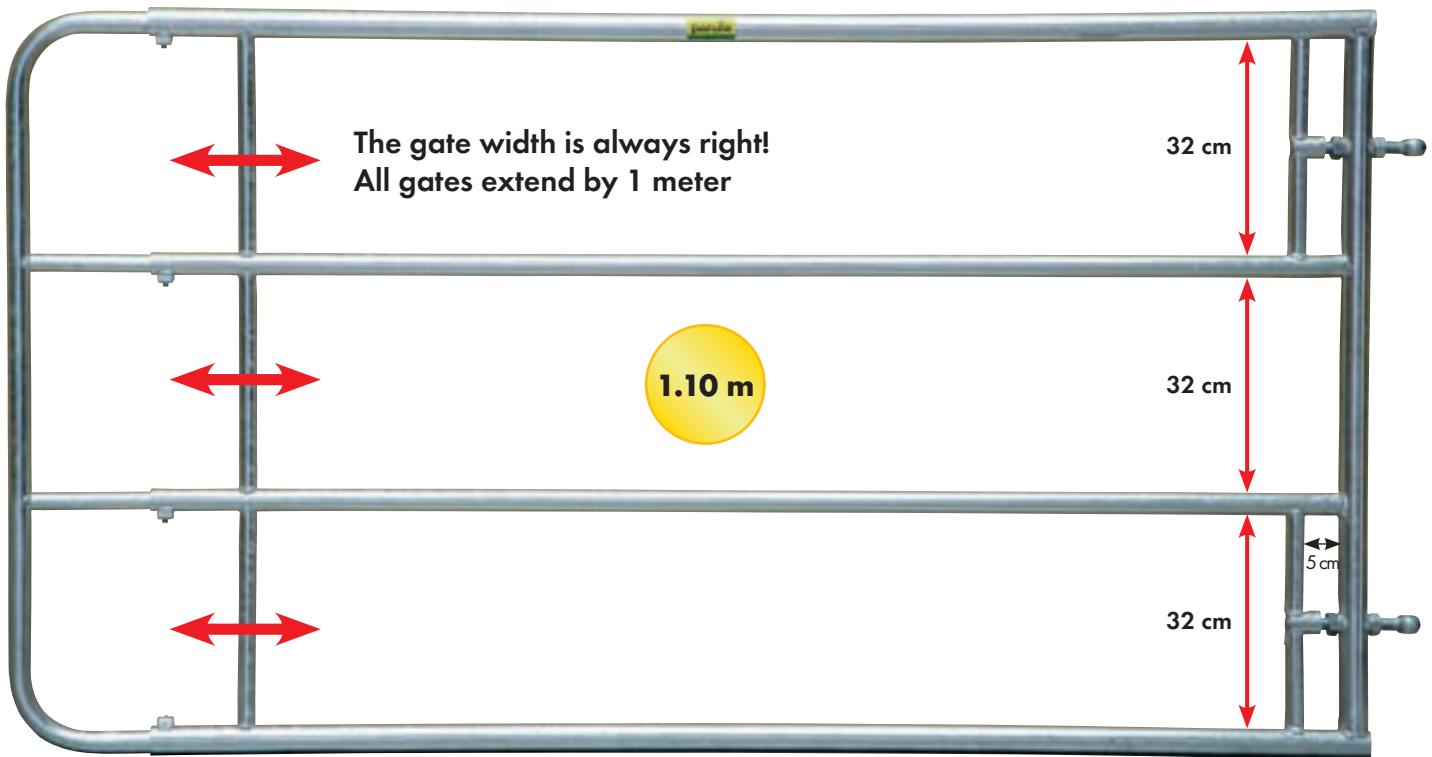


Advantage 6: sleeve for secure fixture of eyebolts



Advantage 7: Additional covers on the eye bolts for more animal safety





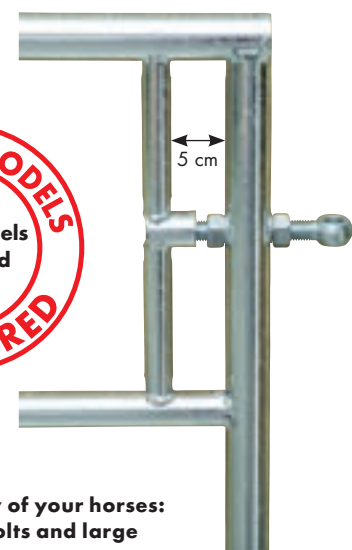
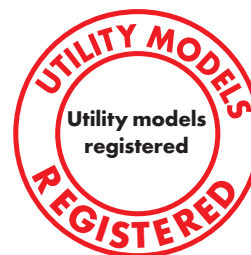
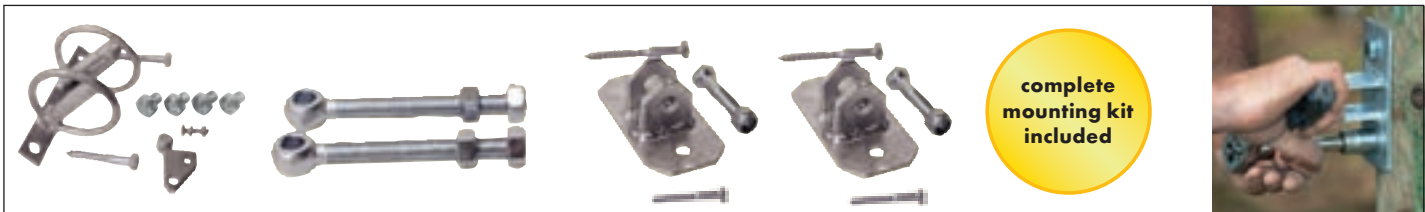
**Pasture Gate, adjustable, 4-tube, height 1.10 m**

Sturdy, hot-dip galvanised gate made of steel tubing, complete mounting kit included, extendable by 1 m, tube diameters: main frame 42.4 mm / main frame inner 34 mm / extension section frame 34 mm / extension section inner 27 mm, clearance between tubes 32 cm

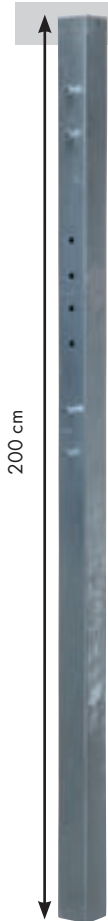
410210	1.10 - 1.70 m	1 vertical brace (mounting dimensions: 1.00 - 1.60 m)	24 kg
410310	1.45 - 2.00 m	1 vertical brace (mounting dimensions: 1.35 - 1.90 m)	26 kg
420310	2.00 - 3.00 m	1 vertical brace (mounting dimensions: 1.90 - 2.90 m)	34 kg
430410	3.00 - 4.00 m	2 vertical braces (mounting dimensions: 2.90 - 3.90 m)	44 kg
440510	4.00 - 5.00 m	3 vertical braces (mounting dimensions: 3.90 - 4.80 m)	53 kg
450610	5.00 - 6.00 m	4 vertical braces (mounting dimensions: 4.80 - 5.80 m)	61 kg



For horses



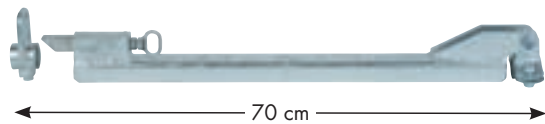
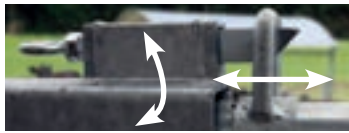
**!** For the safety of your horses:  
hidden eye bolts and large  
tube spacing



**Metal Post for pasture gates**

2000 x 80 x 80 mm, Pre-drilled; Incl. screws

240036



**Drop-Over Frame for adjustable pasture gates**

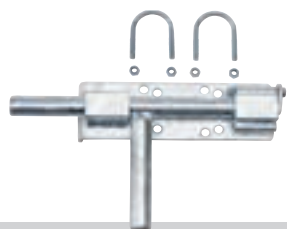
For setting up 2-wing gates Mounting to extension section only (Not for pasture gates 5.00 - 6.00 m); For gates - max. overall width 8 m; **complete mounting kit included**

240039

**Drop-Over Frame for fixed pasture gates**

For setting up 2-wing gates; For gates - max. overall width 8 m; **complete mounting kit included**

240041



**Screw-On Latch**

To let the pasture gates swing freely

323090



**Auto-Latch**

As extra or spare latch

240038

**Guard Rod For Gap**

Reliably prevents animals - especially horses - from being caught in the gap between the hinged gate and the gate post, when jumping up. Guard rod including extension tubing and cotter pins

303419

**German utility patent DE 20 2007 001 487**



**Offset Insulator Gate Set**

Ideal for pulling an electrified wire either side before steel pasture gates; incl. all mounting hardware (with electric rope)

166300 **Offset Insulator Gate Set for adjustable pasture gates**

166301 **Offset Insulator Gate Set for fixed pasture gates**



**Sure-Stop Gate Anchor for pasture gates**

Allows the gate to be held in position even when it is open, especially recommended when installing 2-wing gates, guarantees that when one wing is opened the other wing stays in the desired position

240040

**Support Wheel for adjustable pasture gates**

For large gates, to reduce the strain on the posts (mounting to extension section only)

303452

**Support Wheel for fixed pasture gates**

For large gates, to reduce the strain on the posts

303456

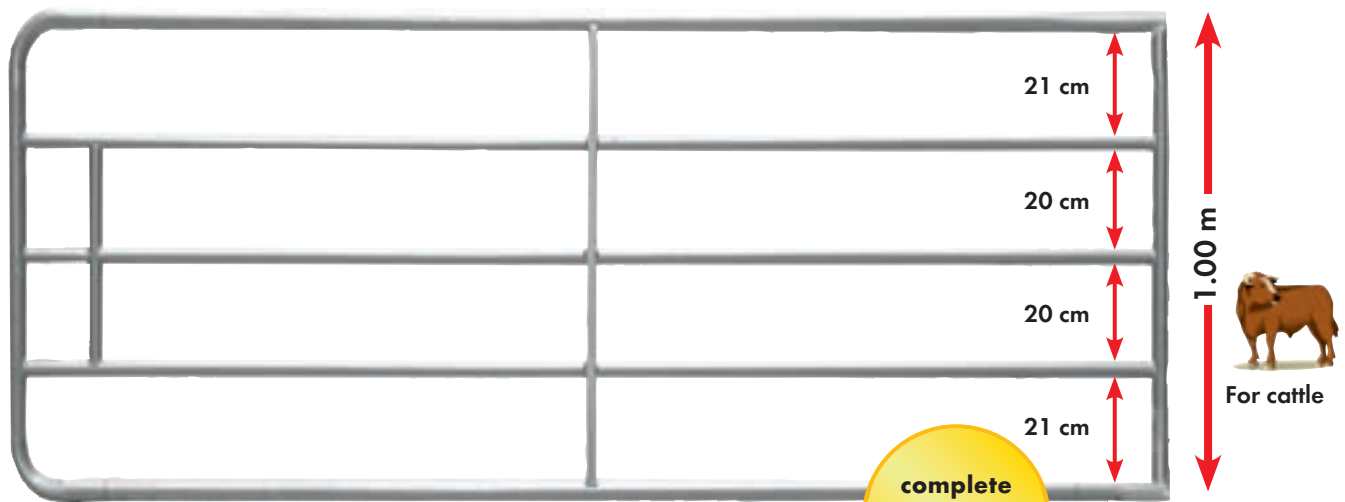
For the safety of your horses



**Socket Screw Set**

Instead of standard screws

303414 (qty 5)



**Fixed Pasture Gate, height 1 m**

Sturdy, hot-dip galvanised gate made of steel tubing, complete mounting kit included

451003	3.00 m	1 vertical brace	34 kg
451004	3.50 m	1 vertical brace	38 kg
451005	4.00 m	2 vertical braces	43 kg
451006	4.50 m	2 vertical braces	47 kg
451007	5.00 m	2 vertical braces	51 kg
451008	6.00 m	3 vertical braces	60 kg

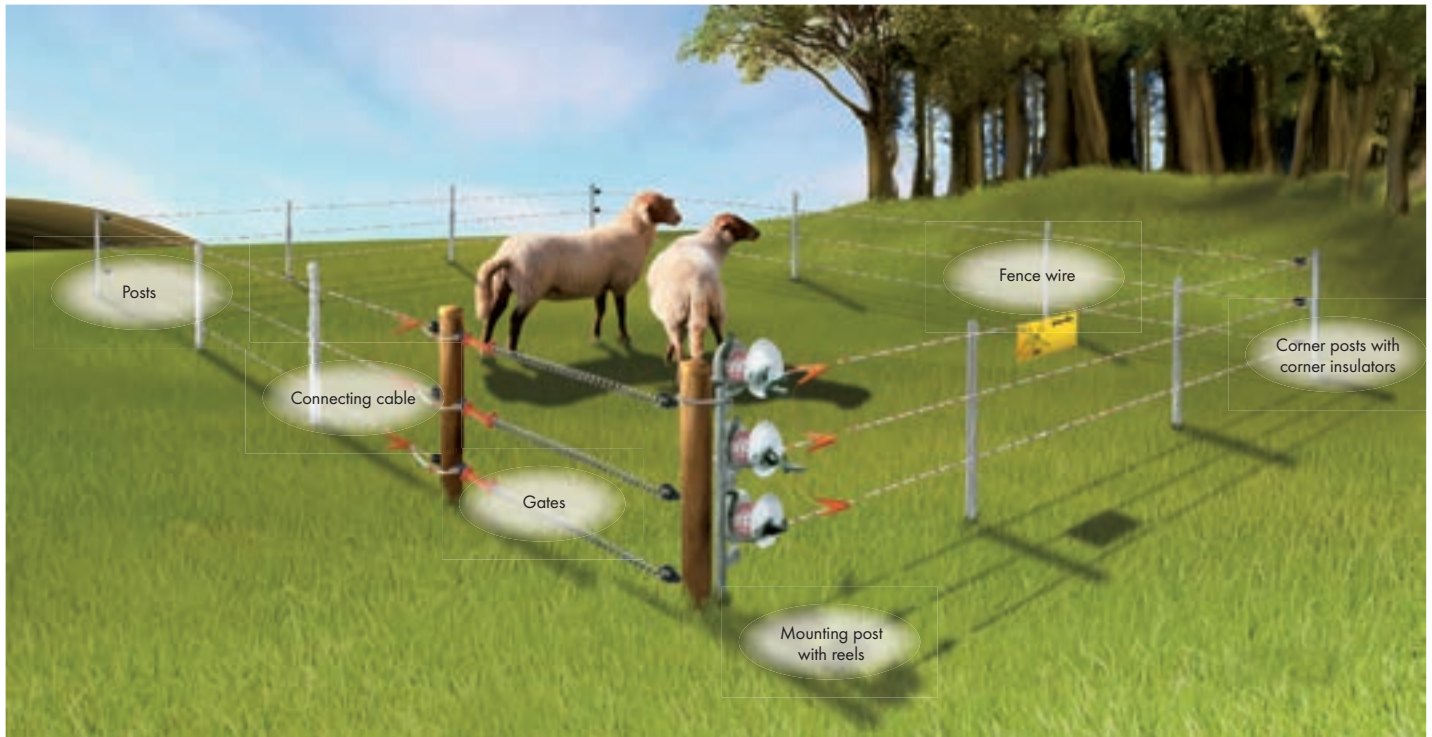


**Fixed Pasture Gate with Wire Mesh, height 1 m**

Sturdy, hot-dip galvanised gate  
Made of steel tubing with wire mesh, complete mounting kit included

451023	3.00 m with Wire Mesh	1 vertical brace	45 kg
451024	3.50 m with Wire Mesh	1 vertical brace	49 kg
451025	4.00 m with Wire Mesh	2 vertical braces	56 kg
451026	4.50 m with Wire Mesh	2 vertical braces	62 kg
451027	5.00 m with Wire Mesh	2 vertical braces	67 kg
451028	6.00 m with Wire Mesh	3 vertical braces	80 kg





How to properly erect your temporary fence system:

## When do I use a temporary fencing system?

The PATURA temporary fence system is ideal for sites that will be fenced in for a limited time only and for fences in changing locations. All the constituent parts have been developed specially for a quick and easy erection of the fence. It is possible for one person working on his own to safely and completely fence in an area of one hectare in under half an hour.



Reel system with reels and standard mounting post: the reels are firmly screwed to the post



Reel system with reels and special mounting post: the reels can be easily removed from the post



Metal corner post with corner insulators on a temporary fence

# The reel, the core of the temporary fence

Without a reel, which allows for simple dispensing and rewinding as well as storage of the fence wire, a movable fence system would be unthinkable. The reel can be either mounted firmly onto a standard mounting post or is easily removable from the special mounting post. All reels are self-insulating and can be locked in fine steps. The standard reel holds up to 500 m, the special reel up to 600 m, and the Maxi-reel up to 1000 m of Tornado polywire. By mounting several reels above one another, fences with 1 to 4 wires are possible.

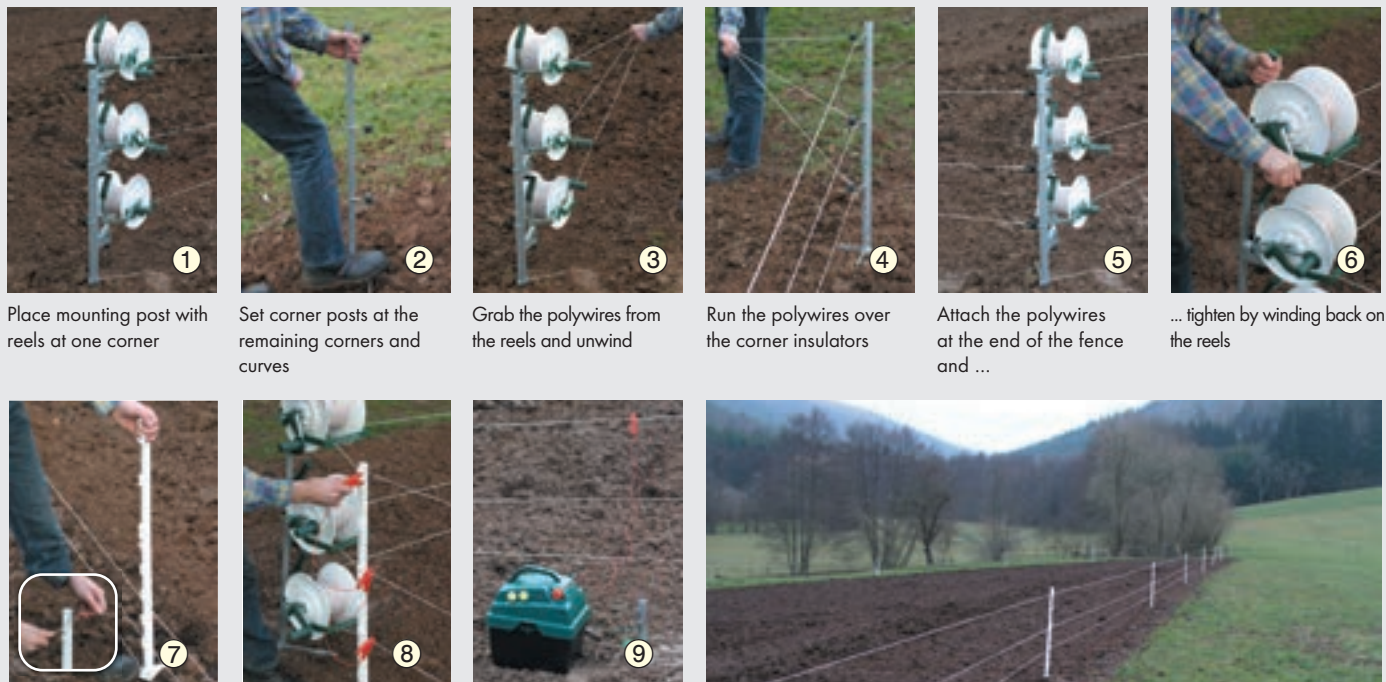
## The clever choice: Reel Special 600 with Gearing

- ① Solid, long hand crank mounted on nylon bushes
- ② Solid ratchet
- ③ Positive ratchet lock mechanism
- ④ Ergonomically designed carry handle
- ⑤ 3 ÷ 1 ratio gear system for fatigue-free rewinding
- ⑥ Wire guide for smooth winding and unwinding of polywires



**!** Reels with gear system save time and money

## Quick fence erection – step by step



① Place mounting post with reels at one corner

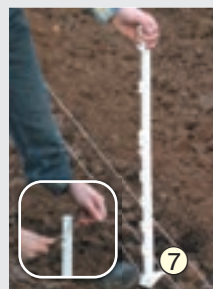
② Set corner posts at the remaining corners and curves

③ Grab the polywires from the reels and unwind

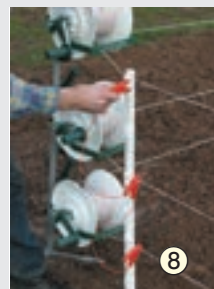
④ Run the polywires over the corner insulators

⑤ Attach the polywires at the end of the fence and ...

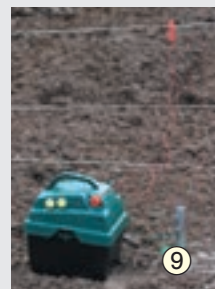
... tighten by winding back on the reels



⑦ Push in the plastic posts and attach the polywires



⑧ Attach the cross-connections approx. every 200 m



⑨ Attach and earth the energiser



In just a short time the electric fence is ready for use

**!** Fence in 1 hectare in less than half an hour



## Quickly setting up and down of temporary fences – the Tornado Master 5.0

The PATURA Tornado Master 5.0 was developed specially to put up temporary fence systems as quickly and efficiently as possible. Up to five rows can be put up in a simple pass. To set up fences, the reels are tensioned with a freely adjustable brake. The fence can be also taken down in one run and the electric motor ensures in combination with the extension arm that the polywire and polytape is reeled up safely and evenly. The exchangeable magazine can be fitted with up to 400 posts. This machine combines large hourly output with significantly improved comfort.



Mounting option for the PATURA reels  
Ref. 115111



Universal hooks for taking up additional corner posts or additional reels



Exchangeable magazine for up to 400 posts



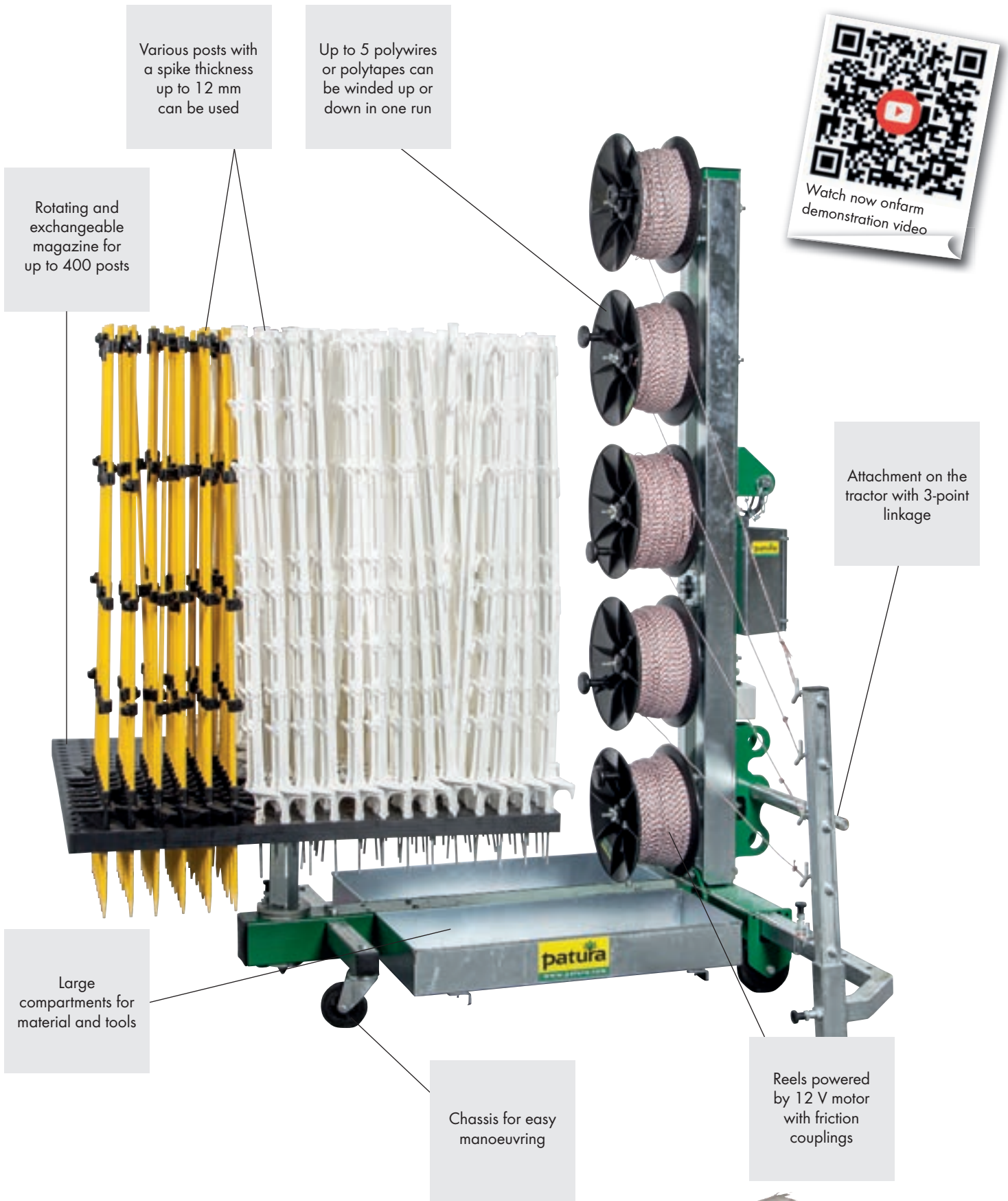
Large and stable compartments for tools and materials



Up to 5 polywires and polytapes can be wound up or down in one run



Work on both sides possible with switchable extension arm



Various posts with a spike thickness up to 12 mm can be used

Up to 5 polywires or polytapes can be wound up or down in one run

Rotating and exchangeable magazine for up to 400 posts

Watch now on farm demonstration video

Attachment on the tractor with 3-point linkage

Large compartments for material and tools

Chassis for easy manoeuvring

Reels powered by 12 V motor with friction couplings

**Tornado Master 5.0**

Electric Fence Machine for quickly setting up and down of temporary fences (without reels and posts)

- 540000 Electric Fence Machine Tornado Master 5.0
- 540001 Additional post magazin
- 540002 Universal hook



An attached version, e.g. for the ATV is available on request

# Reels with a gear system save time and effort



## Reel Special 600

### With gear system

With carry handle, mounting hook, wire guide and ratchet lock for fence tension, up to 600 m of polywire

161301

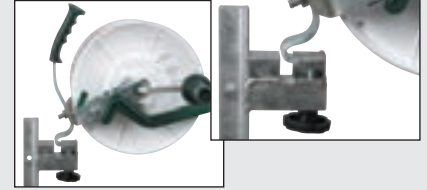


## Reel Maxi 1000

### With gear system

With carry handle, mounting hook and ratchet lock for fence tension, up to 1000 m of polywire

161501



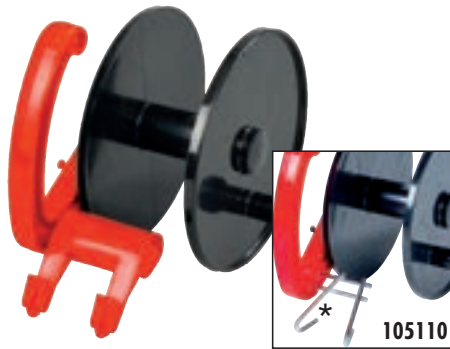
Instead of standing and winding up polywire from the fixed post, and thus pulling it through all corner insulators, quick and easy removal of the reels allows one to walk along the fence line while paying out or winding in the polywire; this reduces wear on the polywires and means less effort – particularly in winding it in.



## Reel with Hand Grip

Cost-effective plastic reel with lock pin; up to 500 m of wire

105000



## Hand Reel

With lock pin, carry handle and hook to hang on fence wire; ideal for dividing up paddocks; up to 300 m of polywire

105210

105110 with hook\*

Supplementary reel  
105211



## Hand Reel Maxi

With lock pin, carry handle and hook to hang on fence wire; ideal for dividing up paddocks; up to 600 m of polywire

105310

Supplementary reel  
105311



## Reel Universal

### Plastic handle with mounting hook

With ratchet lock for fence tension, up to 800 m polywire.

161002

(qty 1)



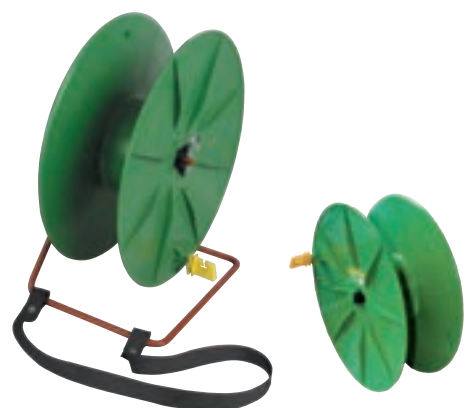
## Reel with Support and Neck Strap

With lock; up to 1000 m of wire

115110

115113 Roll-up Adapter for reel

Supplementary reel  
115111



## Polytape Reel

### With chest carrying frame

For up to 500 m of polytape

114000

Supplementary reel  
113900





**Reel Standard 800**

With carry handle, mounting hook and ratchet lock for fence tension, up to 800 m of polywire  
**161101**



**Reel Standard 500**

With carry handle, mounting hook and ratchet lock for fence tension, up to 500 m of polywire  
**161001**



**Multi-purpose handle**

For live or insulated connection of polywire, polyrope or polytape  
**639090**



**Standard Mounting Post for short temporary fences with only a few corners**

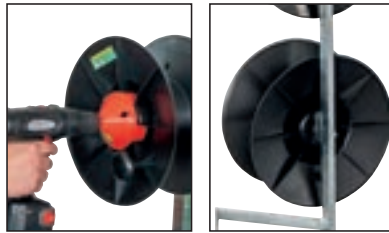
**Standard Mounting Post**

**For up to 4 reels**  
 Reels are firmly bolted to the post, fence height to 0.90 m  
**635000**

**For up to 4 reels**  
 Reels are firmly bolted to the post, fence height to 1.30 m  
**634000**

**Compact Mounting Post**

For up to 3 reels (Ref. 115111). Easy rewinding with a cordless screwdriver using a roll-up adapter (Ref. 115113).  
**631000**



**Special mounting post**

**For up to 3 reels**  
 Reels for easy rewinding when there are numerous curves in the fence line; easily removable; fence height to 0.90 m  
**633001**

**For up to 4 reels**  
 Reels for easy rewinding when there are numerous curves in the fence line; easily removable; fence height to 1.30 m  
**632001**

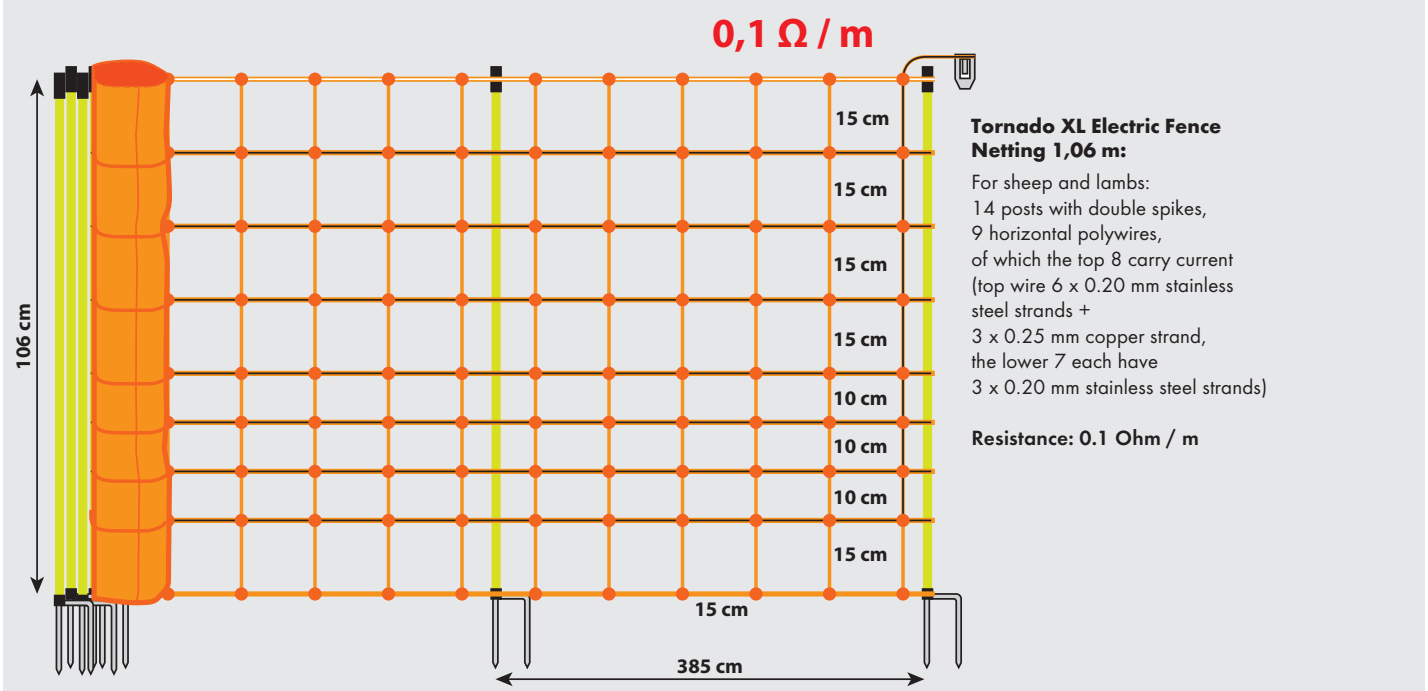
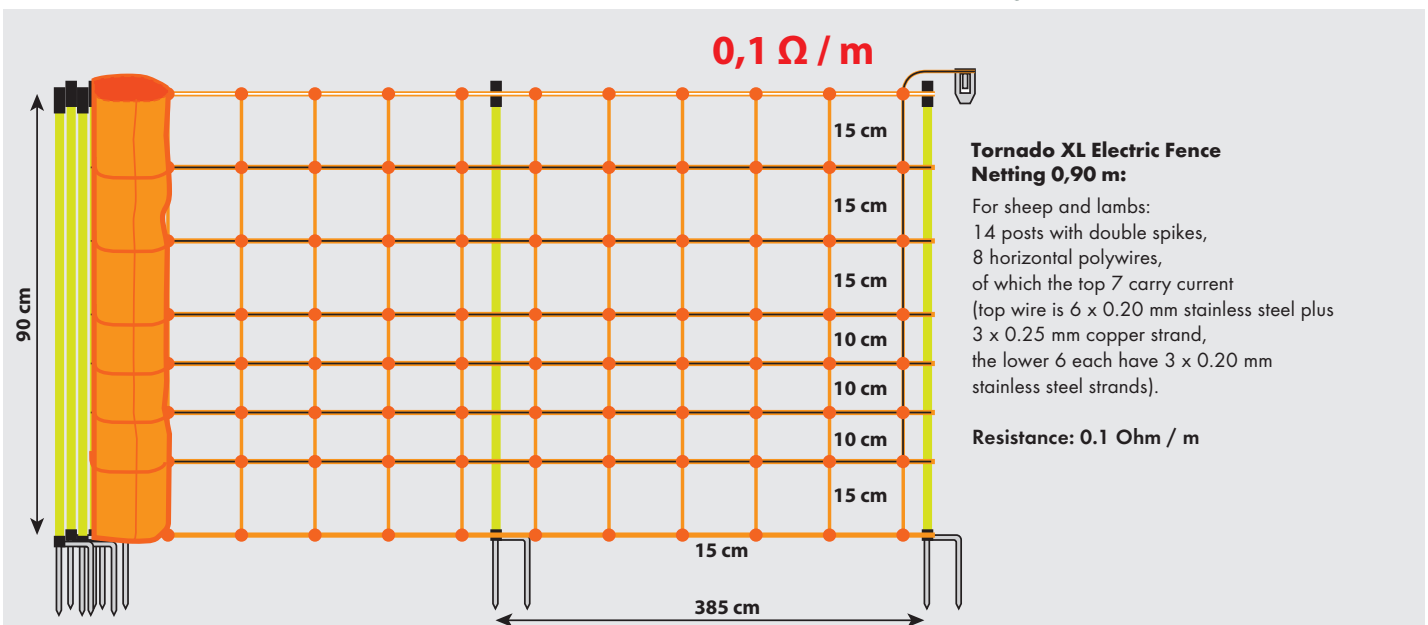
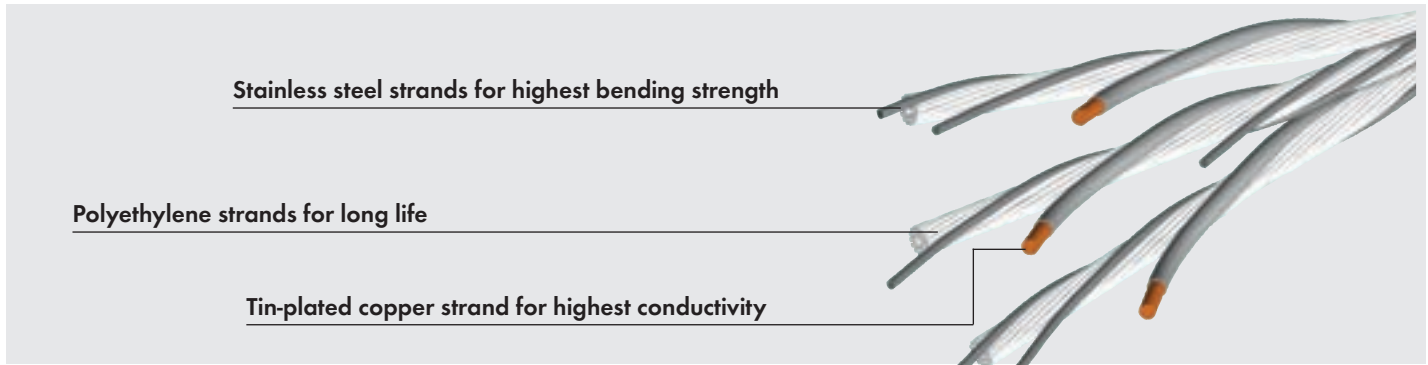
**Reels**

	Ref.	Colour	Suitable for wire	Suitable for polywire	Suitable for rope	Suitable for polytape	Suitable for temporary fence systems	Suitable for subdivision	Suitable for external fencing	Thin wires/polywires	Compact/Tornado	Tornado XXL Polywire	Plastic/Tornado Polywire	Polytape 12.5 mm	Capacity in dm3	Capacity (m)	Suitable for standard and special mounting post
Standard 500	161001	black	o	++	+	++	++	+	++	600	500	400	150	300	4.5	++	
Standard 800	161101	black	o	++	+	++	++	+	++	1000	800	600	250	400	7.0	++	
Spezial 600	161301	white	o	++	+	++	++	+	++	750	600	450	200	400	5.7	++	
Maxi 1000	161501	white	o	++	+	++	++	+	++	1200	1000	750	300	500	8.8	+	
Reel Universal	161002	black	o	++	+	++	+	+	++	1000	800	600	250	400	7.0	-	
Hand Reel	105210	black	-	++	-	o	-	+	o	300	200	150	-	-	2.0	-	
Hand reel Maxi	105310	black	-	++	-	o	-	+	o	600	500	400	-	-	4.5	-	
Hand reel w. handle	105000	black	-	++	-	o	-	o	o	500	400	300	-	-	3.7	-	
Hand reel w. support and neck strap	115110	black	o	++	o	+	-	-	+	1000	600	450	200	400	9.0	-	
Polytape Reel w. Support and Neck Strap	114000	green	-	+	+	++	-	-	+	-	-	-	250	500	11	-	

++ = most suitable  
 + = suitable  
 o = suitable with limitations  
 - = unsuitable

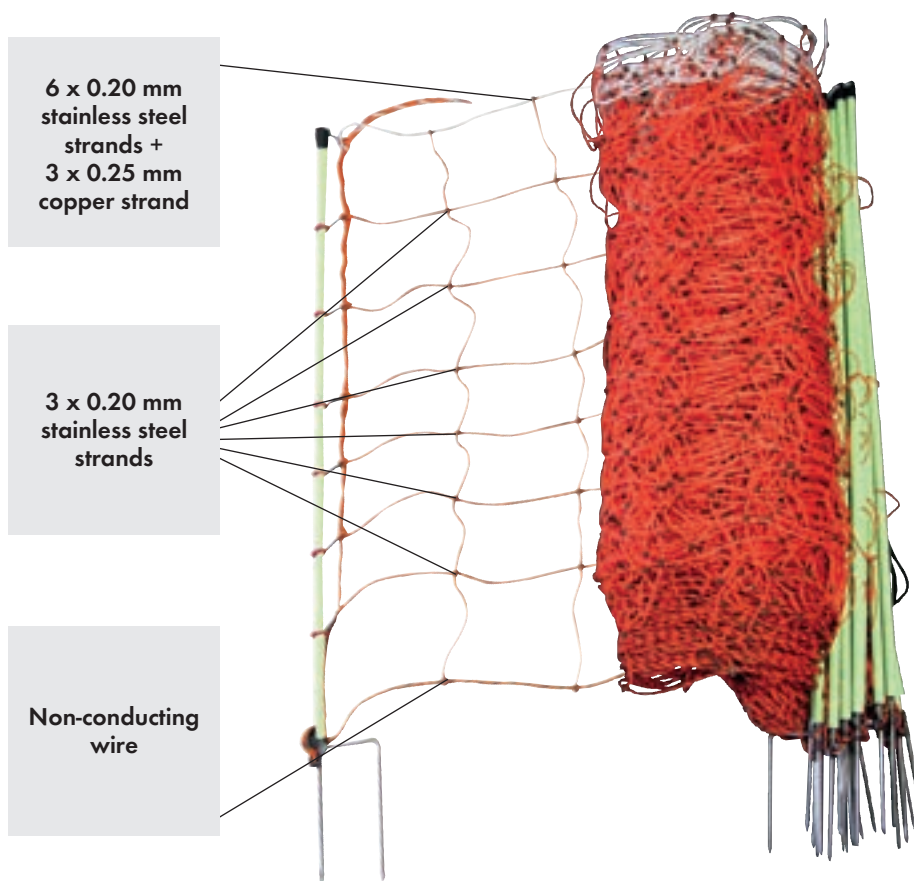
# Tornado XL Electric Fence Netting, highest power level for long distances

As a special feature, PATURA integrates a combination of stainless steel and copper strands into the nettings. Stainless steel strands are extremely durable, copper strands have very high conductivity. Unlike conventional nettings, high durability and high conductivity are combined in one product.





## Setting up a Tornado XL Electric Fence Netting



### Here are the facts

Do you know the expected voltage, when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 - 4000 volts.

after 100 m	Fence Voltage after 1 km	after 3 km
-------------	--------------------------	------------

Tornado XL Electric Fence Netting 0.90 m



Electric fence netting 0.90 m



### Tornado XL Electric Fence Netting

Additional copper strands for exceptionally improved conductivity to the end of the fence. Resistance: 0.1 Ohms/m

90 cm high, with double spike, 50 m  
109250

90 cm high, with double spike, 50 m  
109249

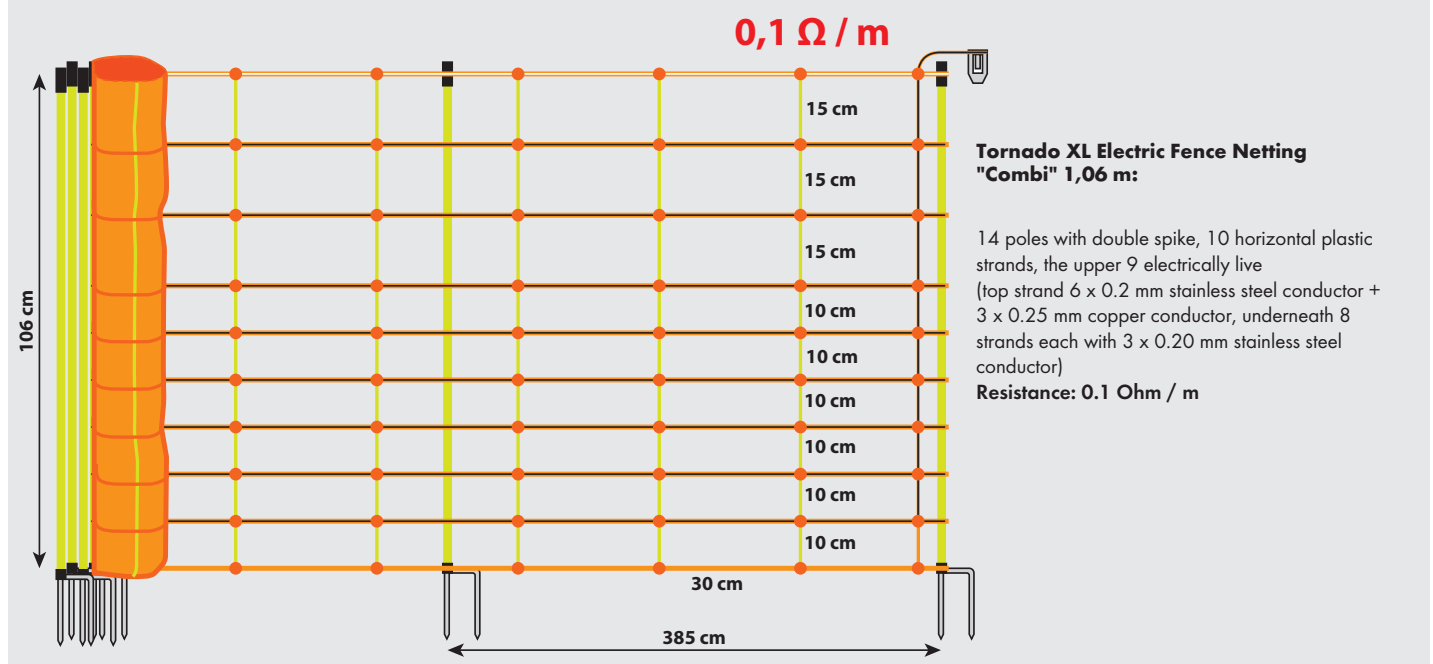
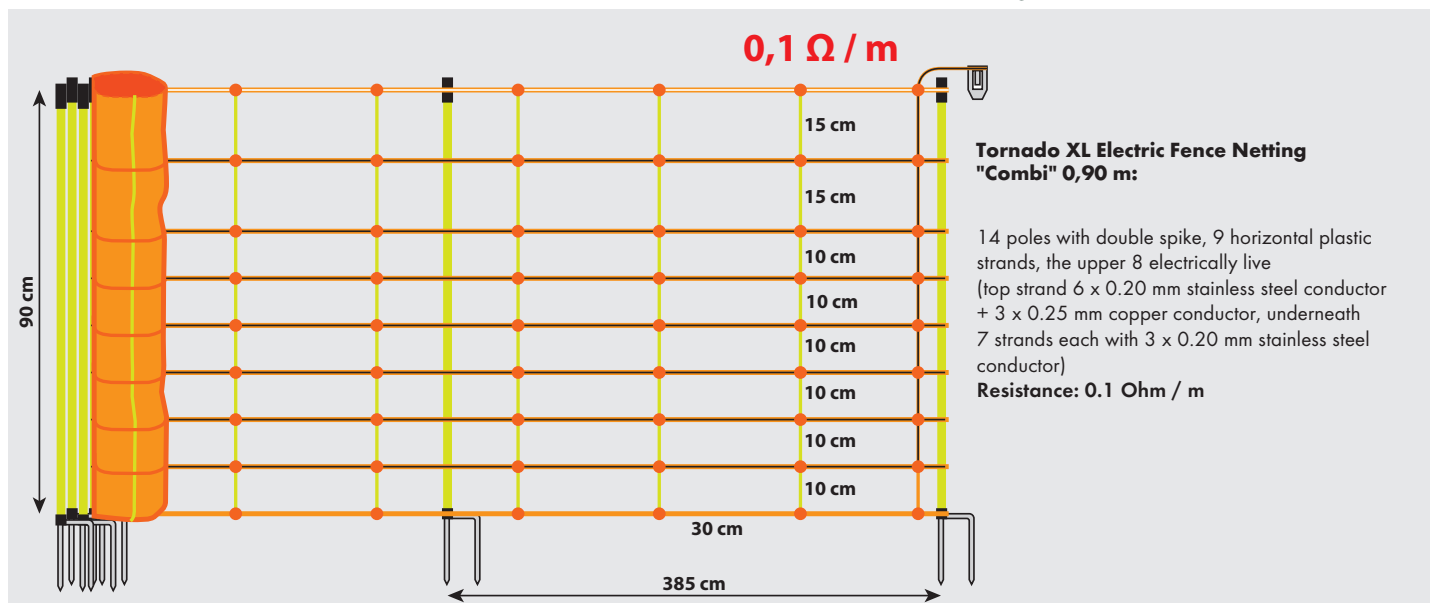
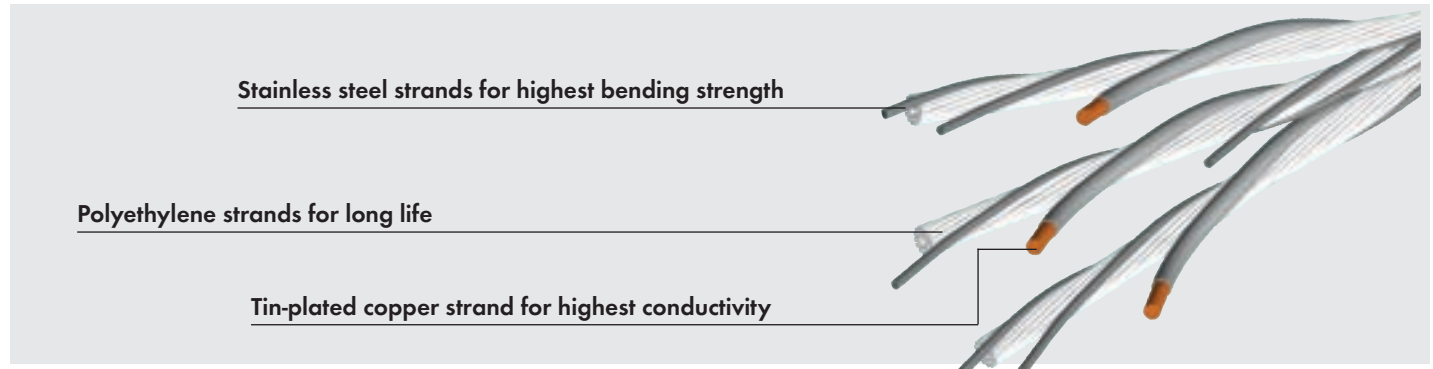
106 cm high, with double spike, 50 m  
110650



**Tornado XL netting with highest conductivity**

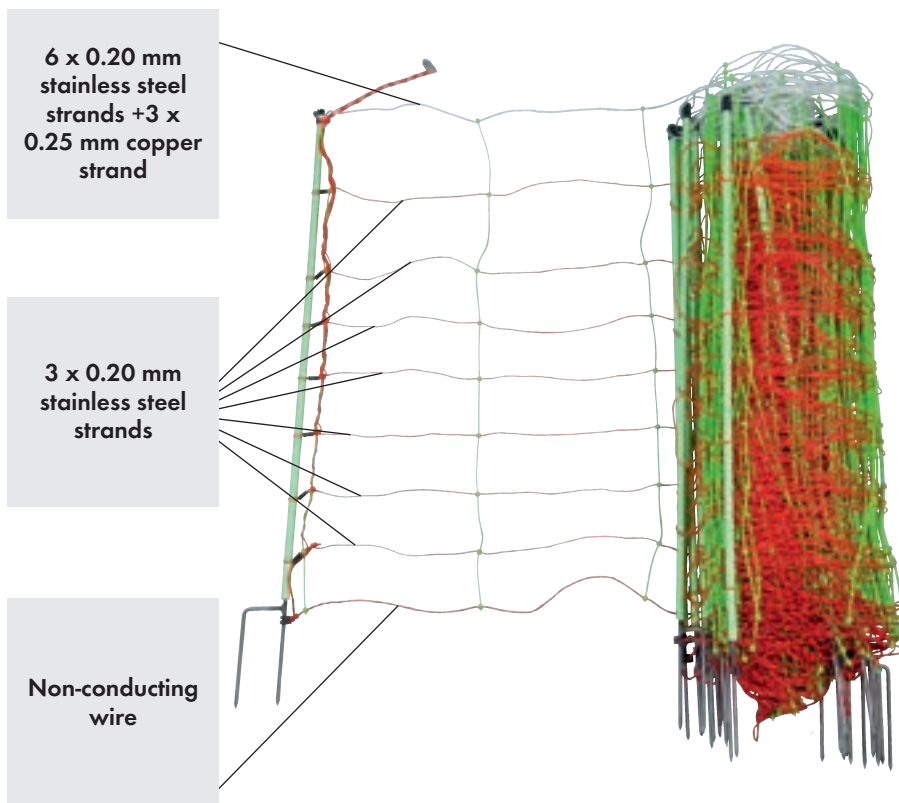
# Tornado XL Electric Fence Netting „Combi“, for highest striking force over long distances

As a special feature, PATURA offers the combined processing of stainless steel and copper conductors in nets. Stainless steel conductors are extremely durable, copper conductors are very conductive. Unlike common nets, a long service life is achieved with a simultaneously high conductivity. Due to the rigid vertical connections, the Tornado XL Combi has better stability in hilly terrains.





## Composition of Tornado XL Electric Fence Netting „Combi“



### Here are the facts

Do you know the expected voltage, when an animal touches a fence at 100 m, 1 km or 3 km along a single-wire fence, if the voltage at the start of the fence is 8000 volts? In practice, PATURA recommends fence voltages of 3000 – 4000 volts.

after 100 m	Fence Voltage after 1 km	after 3 km
-------------	--------------------------	------------

TornadoXL Electric Fence Netting "Combi" 0.90 m



Electric Fence Netting 0.90 m



**Tornado XL Electric Fence Netting "Combi" with highest conductivity**

### Tornado XL Electric Fence Netting „Combi“

Additional copper conductors for significantly improved conductivity up to the end of the fence; the vertical strands are designed as rigid plastic struts; this prevents a sagging of the nets

**90 cm high, with double spike, 50 m  
109260**

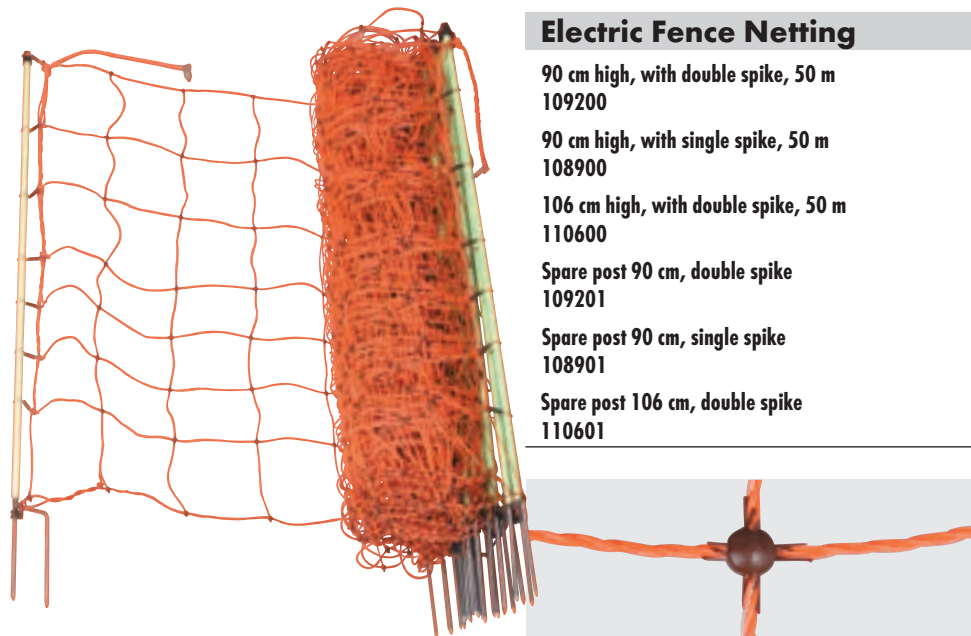
**106 cm high, with double spike, 50 m  
110660**

**106 cm high, with single spike, 50 m  
110659**



## Electric fence netting, for longest life cycle

PATURA Electric Fence Netting have flexible vertical connecting strands which are not live and are connected to the horizontal strands via welded knots.



### Electric Fence Netting

90 cm high, with double spike, 50 m  
109200

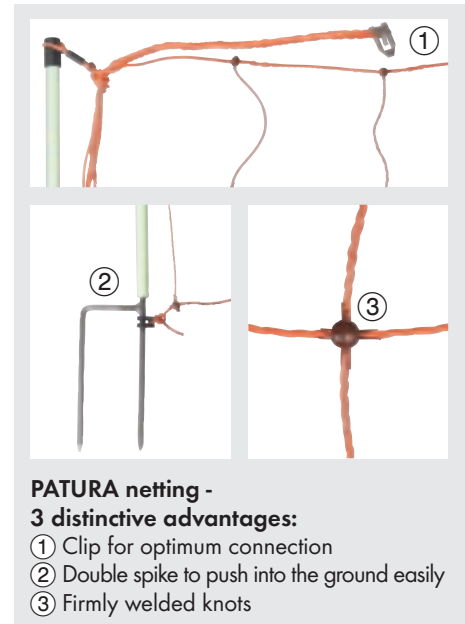
90 cm high, with single spike, 50 m  
108900

106 cm high, with double spike, 50 m  
110600

Spare post 90 cm, double spike  
109201

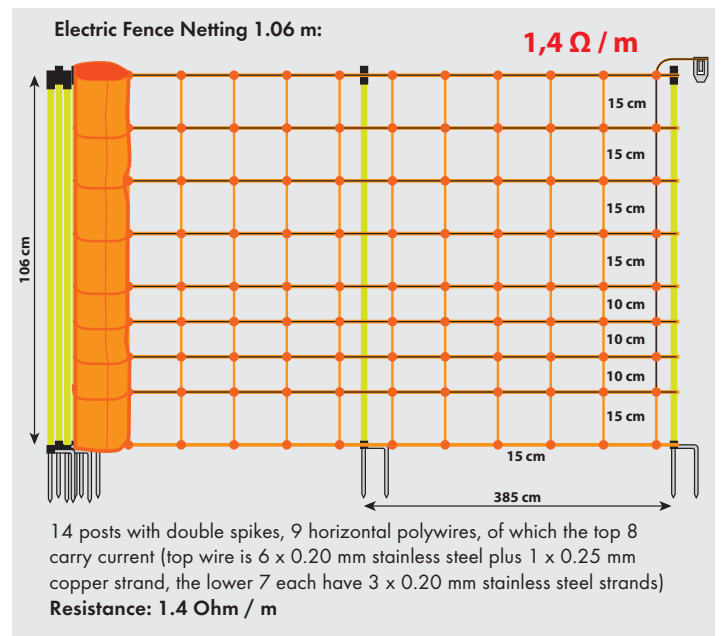
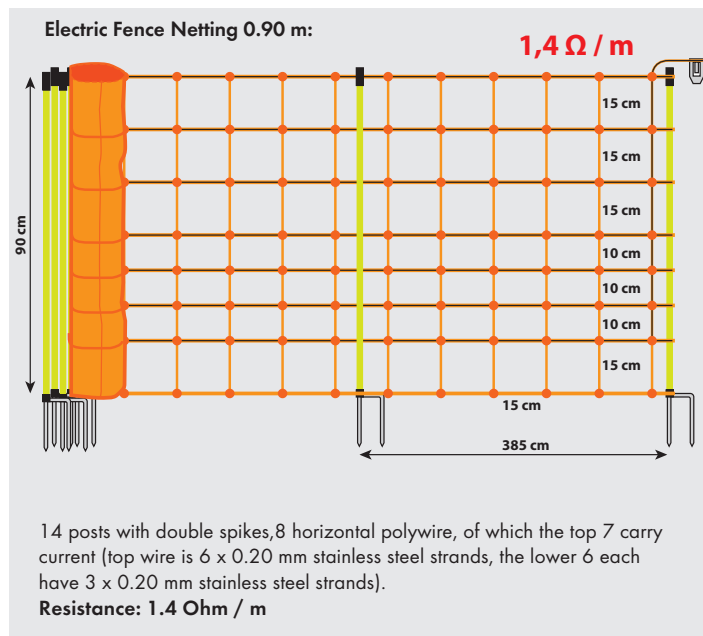
Spare post 90 cm, single spike  
108901

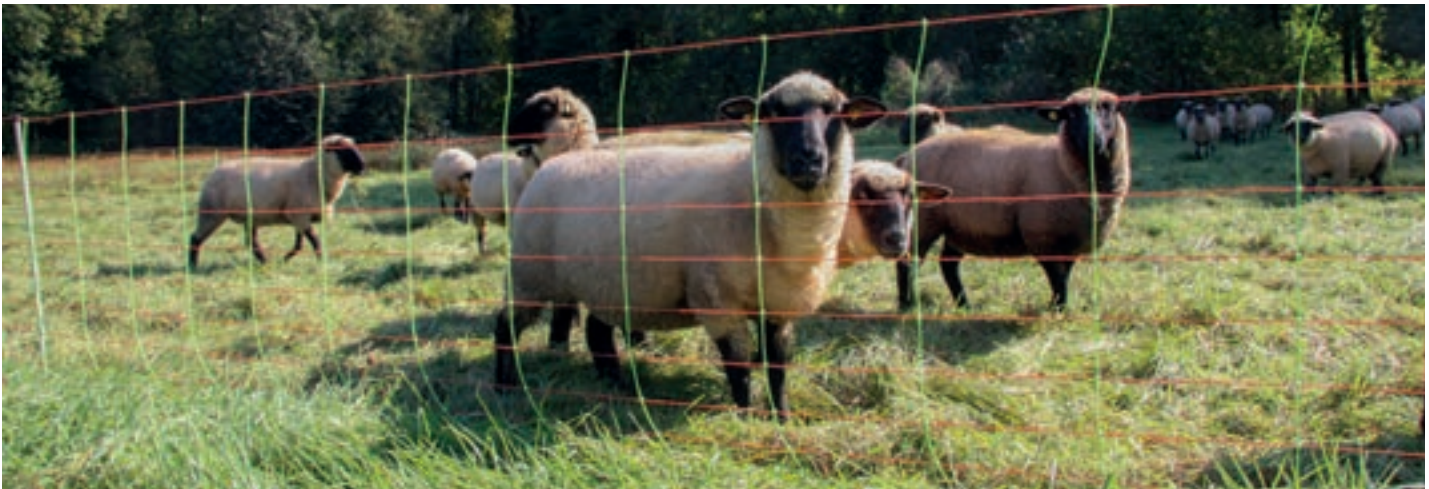
Spare post 106 cm, double spike  
110601



### PATURA netting - 3 distinctive advantages:

- ① Clip for optimum connection
- ② Double spike to push into the ground easily
- ③ Firmly welded knots





## Electric Fence Netting „Combi“, with rigid plastic stays

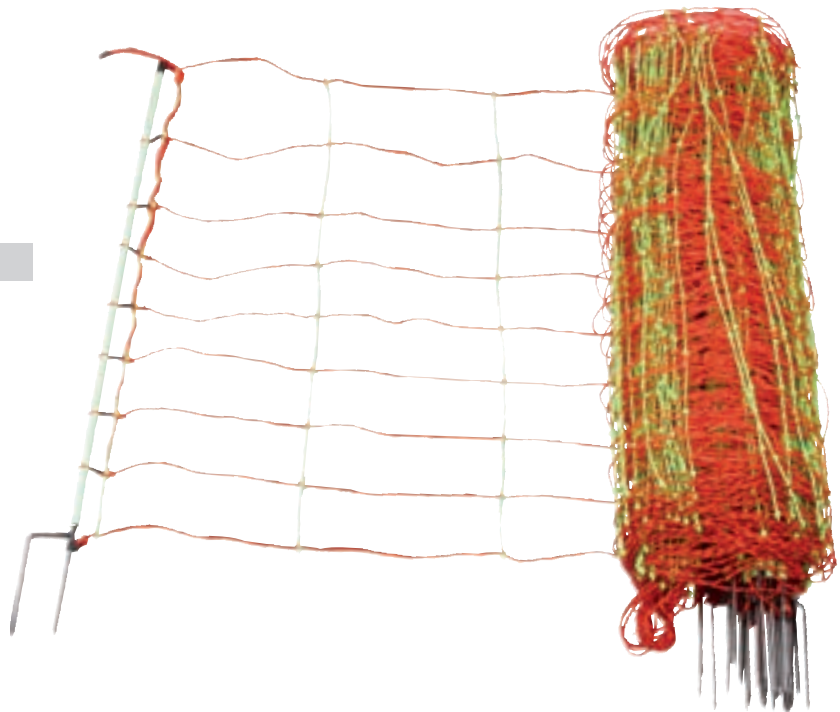
The „Combi“ netting offers an improved stability in undulating terrain due to the semi-rigid vertical stays.

### Electric Fence Netting „Combi“

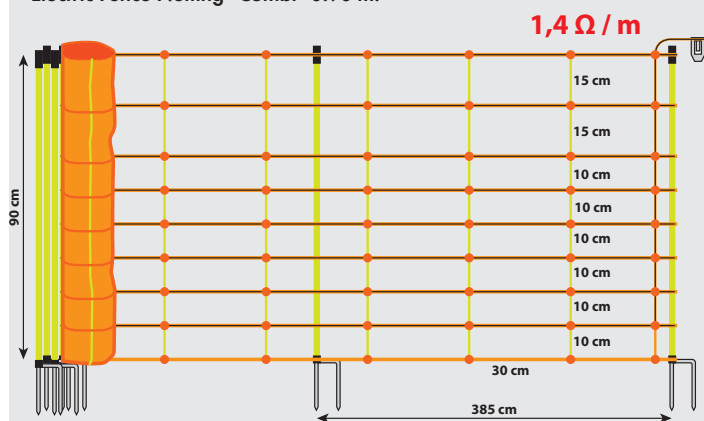
Electric fence netting where the vertical connectors are executed as rigid plastic stays; it prevents the sagging of the nettings

90 cm high, with double spike, 50 m  
109220

106 cm high, with double spike, 50 m  
110620

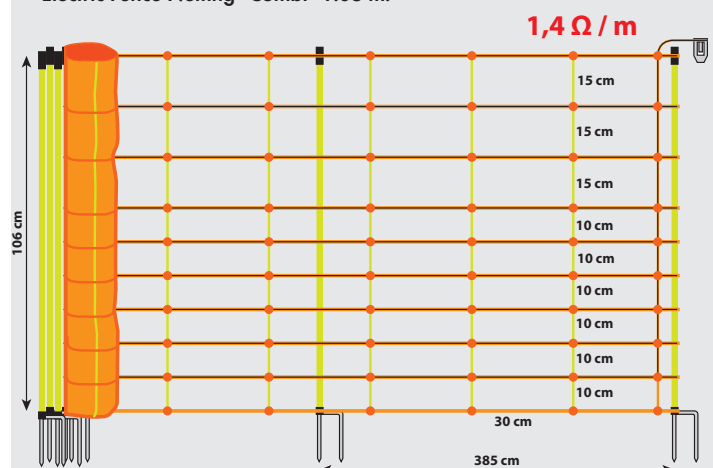


Electric Fence Netting "Combi" 0.90 m:



14 posts with double spikes, 9 horizontal polywires, of which the top 8 carry current (top wire is 6 x 0.20 mm stainless steel strands, the lower 7 each have 3 x 0.20 mm stainless steel strands)  
Resistance: 1.4 Ohm / m

Electric Fence Netting "Combi" 1.06 m:

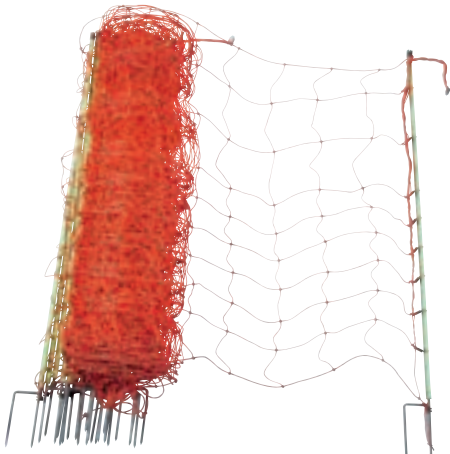


14 posts with double spikes, 10 horizontal polywires, of which the top 9 carry current (top wire is 6 x 0.20 mm stainless steel strands, the lower 8 each have 3 x 0.20 mm stainless steel strands)  
Resistance: 1.4 Ohm / m

# Electric Fence Netting for Wolf Control

Wolf defense has special requirements on electric fence nettings. PATURA also offers extra high electric fence nettings, which are particularly suitable for this purpose.

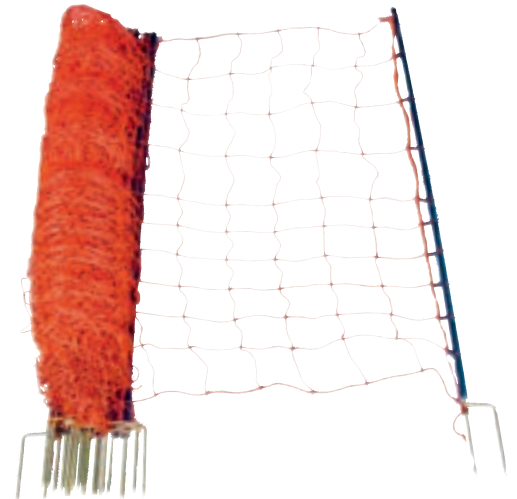
Since wild animals approach the fence, which is often still unknown to them, with less caution, it can be useful to enhance the nets visually and acoustically to ensure that the animals approach the fence more slowly. For this purpose we recommend the signal tape or our specific polytape to deter wild animals.



## Electric Fence Netting 120 cm

120 cm high, with double spike, 50 m, 110400

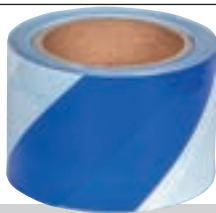
Spare Post with double spike, 1.20 m, 112006



## Electric Fence Netting 145 cm

with extra strong posts, 19 mm.

145 cm high, with double spike, 50 m, 110500



## Signal Tape

blue and white on both sides; for optical and acoustic defense of wild animals; 80 mm x 100 m rol

108902

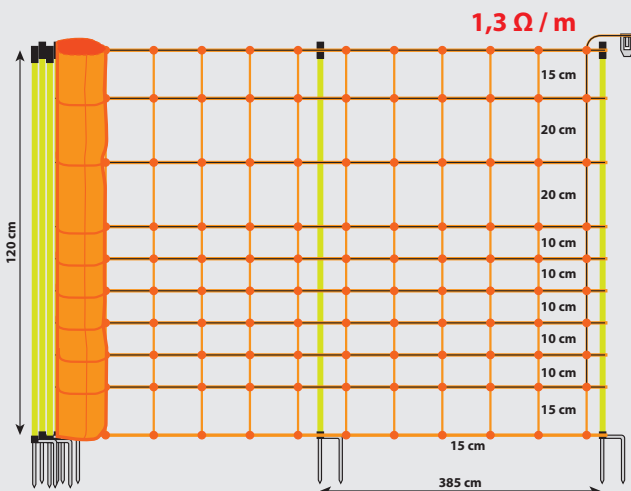


## Polytape to deter wild animals

for visual deterring wild animals; particularly strong, blue, 40 mm, 250m rol

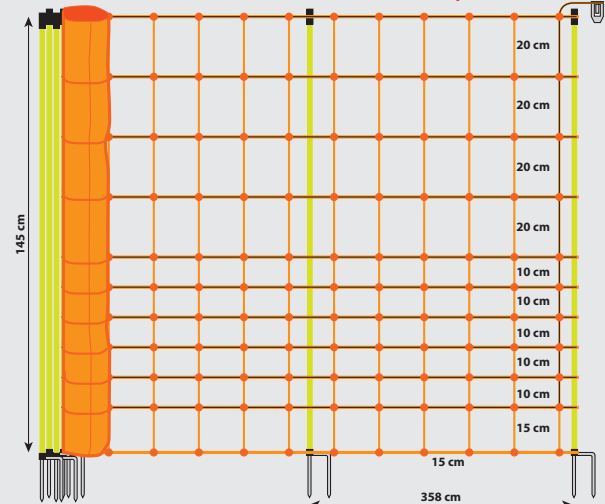
108903

### Electric Fence Netting for Wolf Control 1,20 m:



14 posts with double spikes, 10 horizontal polywire, of which the top 9 carry current (top wire is 6 x 0.20 mm stainless steel strands, the lower 8 each have 3 x 0.20 mm stainless steel strands) **Resistance: 1.3 Ohm / m**

### Electric Fence Netting for Wolf Control 1,45 m: **1,2 Ω / m**



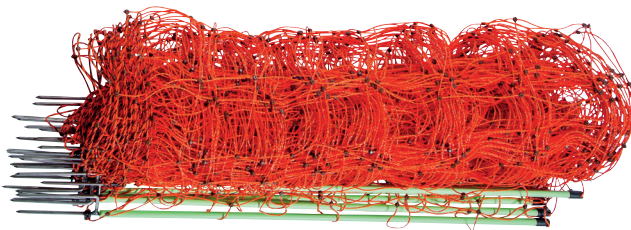
11 horizontal polywires, of which the top 10 carry current (top wire 6 x 0.20 mm stainless steel strands, the lower 9 wires each 3 x 0.20 mm stainless steel strands) 15 extra thick 19 mm posts with double spikes **Resistance: 1.2 Ohm / m**





## Electric Fence Netting „Plus-Minus“

the individual horizontal lines of the netting are alternately connected to the fence and earth lead of the energiser. The animal must touch 2 rows simultaneously to feel an electric shock. Plus-minus nettings can be used in very poor ground and earth conditions. Nevertheless, the electric fence must be additionally earthed.

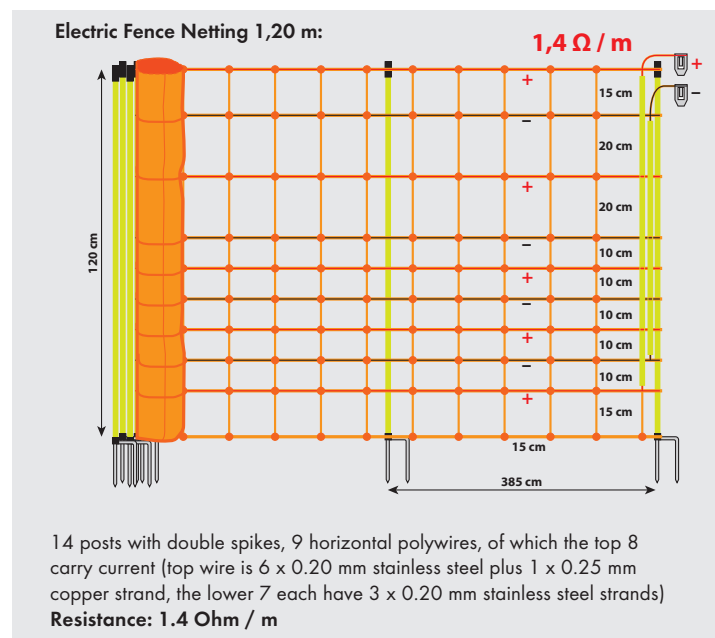
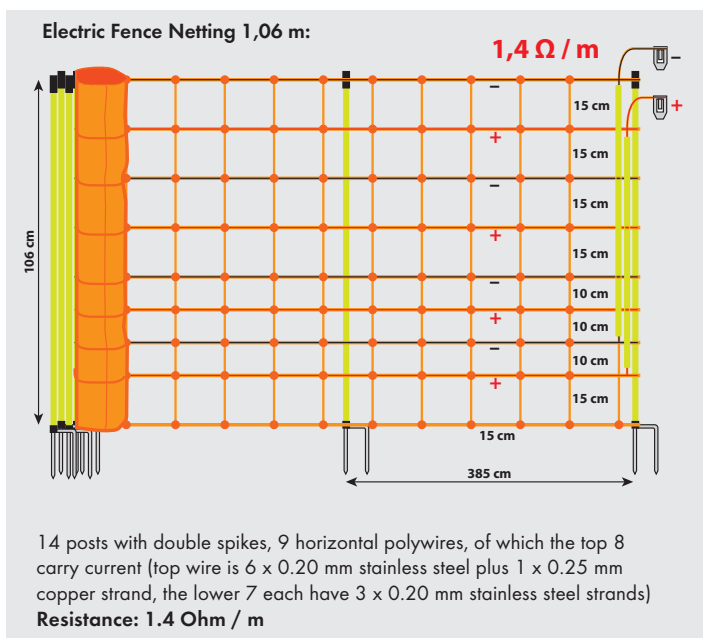
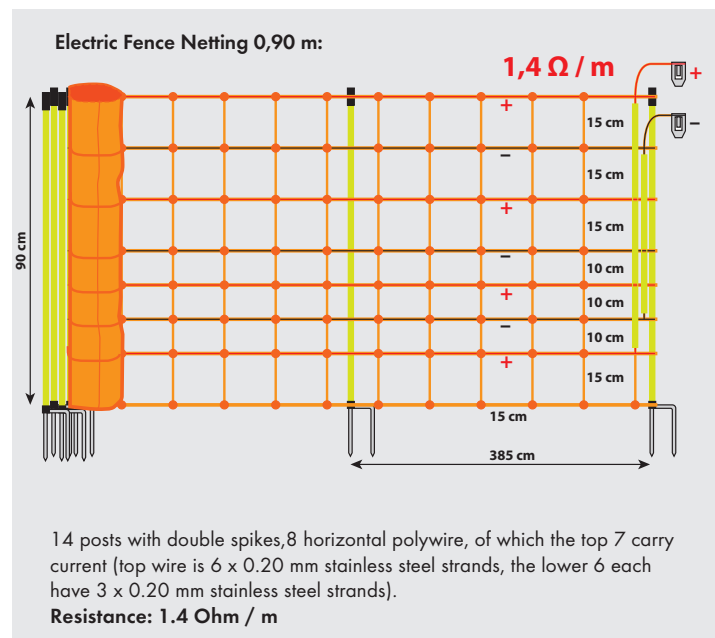


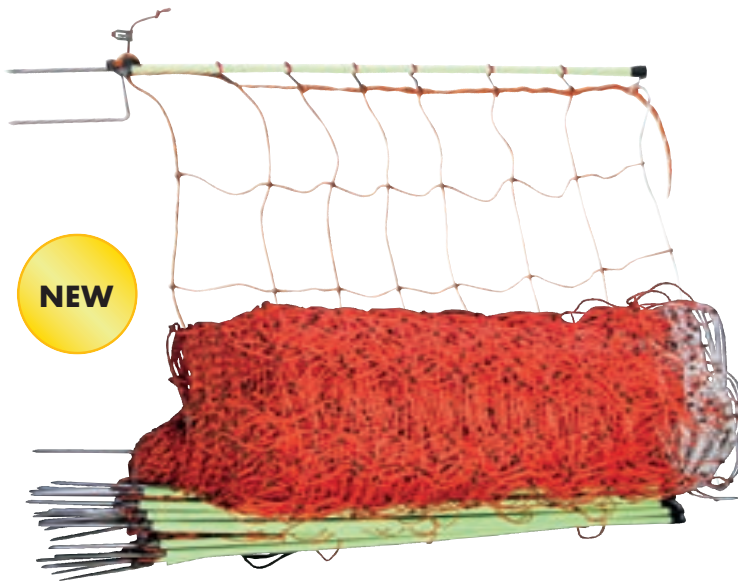
### Electric Fence Netting „Plus-Minus“

90 cm high with double spike, 50 m  
109245

106 cm high with double spike, 50 m  
110640

120 cm high with double spike, 50 m  
112040





**NEW**

## Electric Fence Netting for Herd

The highly conductive PATURA TornadoXL electric fence nettings are now also available with an additional ground conductor. In the lowest line of the netting there are stainless steel conductors, which are not connected to the current carrying lines of the netting, but are connected to the earth connector of

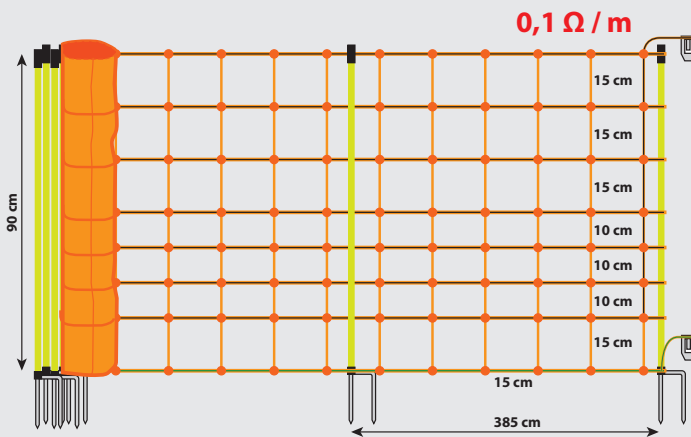
### Tornado XL Electric Fence Netting with ground conductor

90 cm high, with double spike, 50 m  
109251

106 cm high, with double spike, 50 m  
110651

120 cm high, with double spike, 30.6 m  
110451

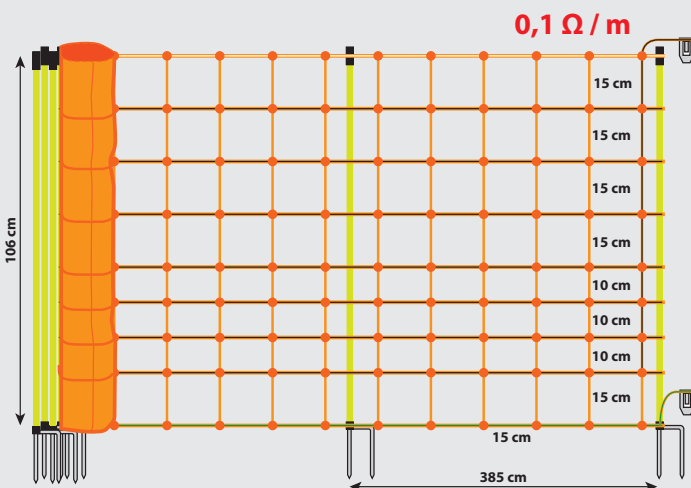
Tornado XL Electric Fence Netting "Combi" with ground conductor 0.90 m:



14 posts with double spikes, 8 horizontal polywires, of which the top 7 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 7 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel **Resistance: 0.1 Ohm / m**

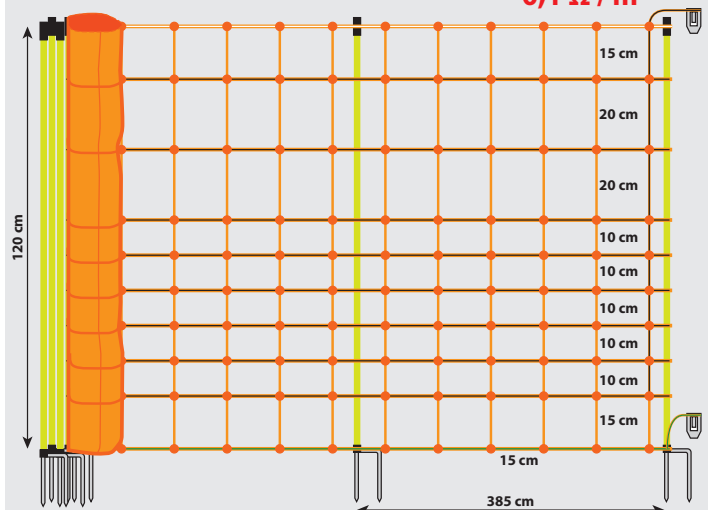


Tornado XL Electric Fence Netting with ground conductor 1.06 m:



14 posts with double spikes, 9 horizontal polywires, of which the top 8 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 7 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel **Resistance: 0.1 Ohm / m**

Tornado XL Electric Fence Netting "Combi" with ground conductor 1.20 m: **0,1 Ω / m**



9 posts with double spikes, 10 horizontal polywires, of which the top 9 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 8 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel **Resistance: 0.1 Ohm / m**

# Protection with ground conductor

the energiser. By placing the earth conductor on the ground, it can serve as additional grounding. In addition, damage to the lowest line by rodents is avoided.

## Tornado XL Electric Fence Netting „Combi“ with ground conductor

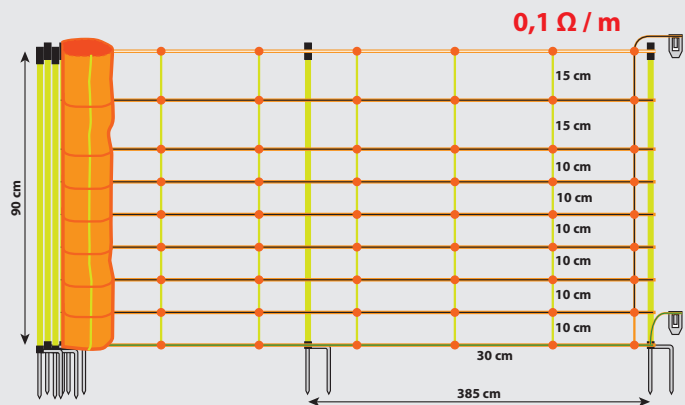
90 cm high, with double spike, 50 m  
109261

106 cm high, with double spike, 50 m  
110661

120 cm high, with double spike, 30.6 m  
110461

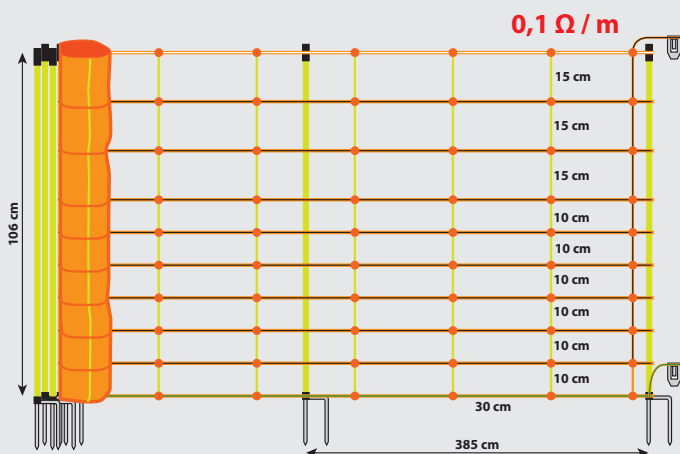


Tornado XL Electric Fence Netting "Combi" with ground conductor 0.90 m:



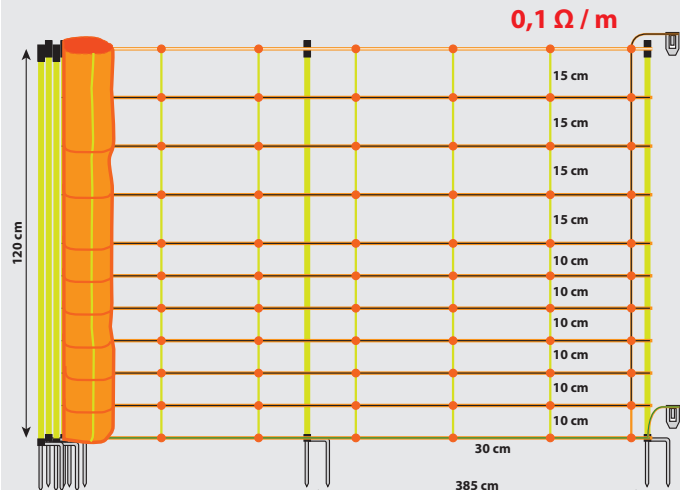
14 posts with double spikes, 9 horizontal polywires, of which the top 8 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 7 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel Resistance: 0.1 Ohm / m

Tornado XL Electric Fence Netting "Combi" with ground conductor 1.06 m:

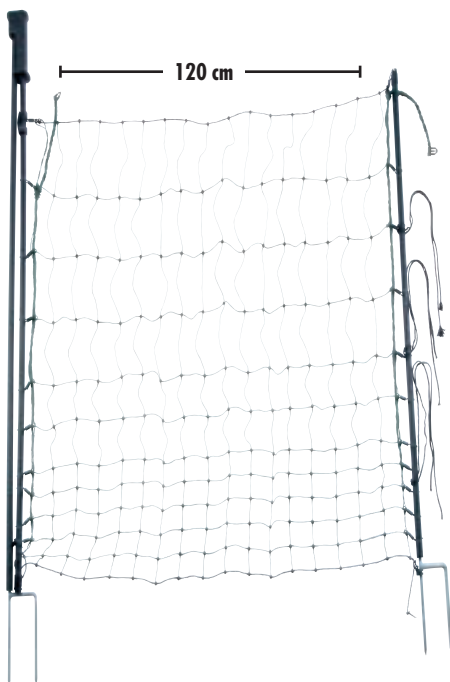


14 posts with double spikes, 10 horizontal polywires, of which the top 9 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 8 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel Resistance: 0.1 Ohm / m

Tornado XL Electric Fence Netting "Combi" with ground conductor 1.20 m:



9 posts with double spikes, 11 horizontal polywires, of which the top 10 carry current (top wire is 6 x 0.20 mm stainless steel + 3 x 0.25 mm copper conductor, the lower 9 each have 3 x 0.20 mm stainless steel strands); ground conductor with 16 x 0.20 stainless steel Resistance: 0.1 Ohm / m



**Gate for electric fence netting**

opening length 1.20 m; suitable for all nettings  
Please see scheme for poultry netting

**112 cm high**  
With double spike, 1.20 m  
**108600 (qty 1)**



**Peg for electric fence netting**

plastic

**108608**



**Brass Clip for electric fence netting**

**108609**



**Repair Kit for electric fence netting**

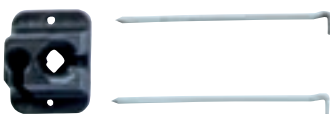
**108605**



**Holing Bracket for electric fence netting posts**

plastic

**108607**



**Plastic Cap for electric fence netting**

plastic

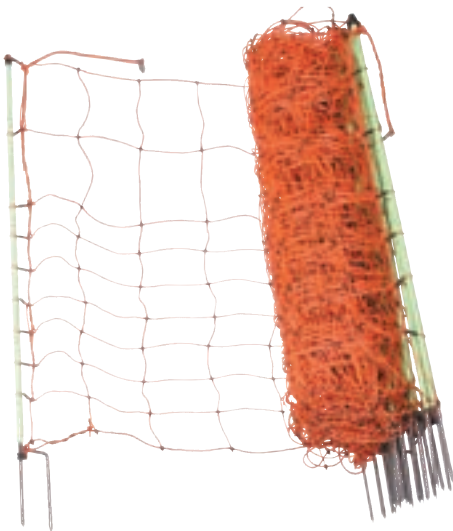
**108606**



**Connecting Clip for electric fence netting**

**108610**



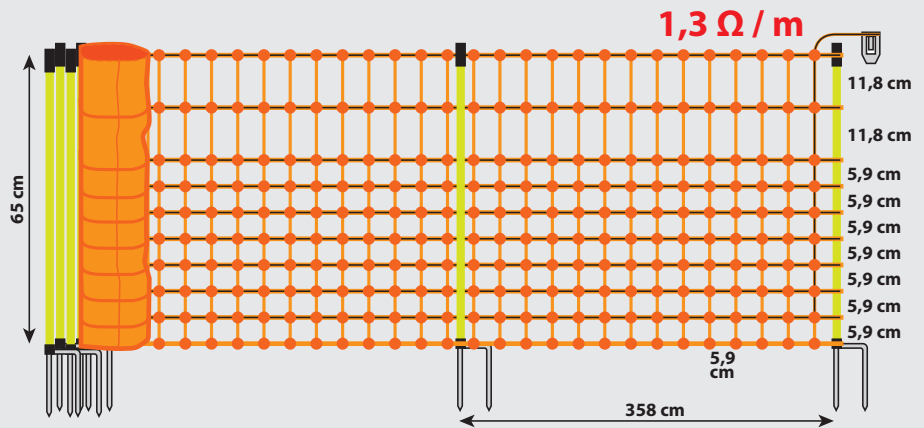


### Crop Protection Netting

against rabbits and wild boar

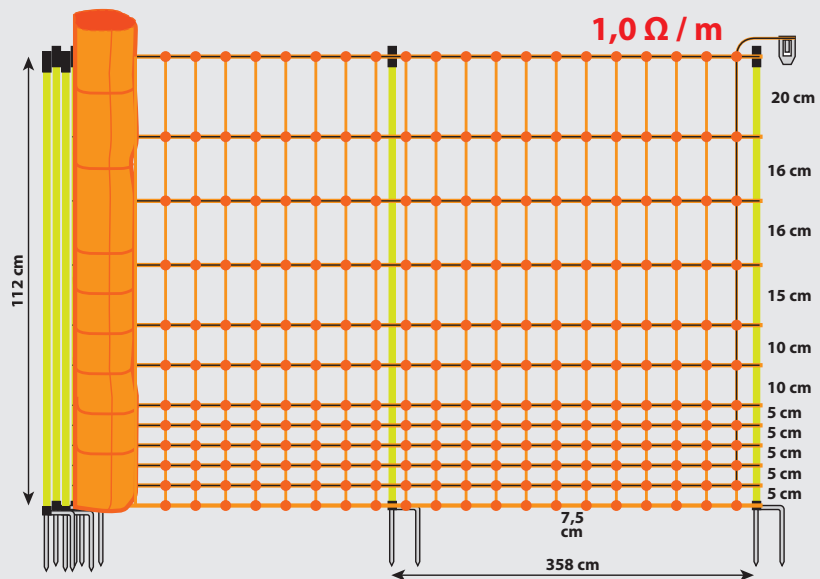
- 65 cm high**
- With double spike, 50 m
- 106500 (qty 1)**
- Spare Post 65 cm**
- Double spike
- 106501 (qty 1)**

Electric fence netting to protect against crop damage: Note the smaller mesh size in the bottom section



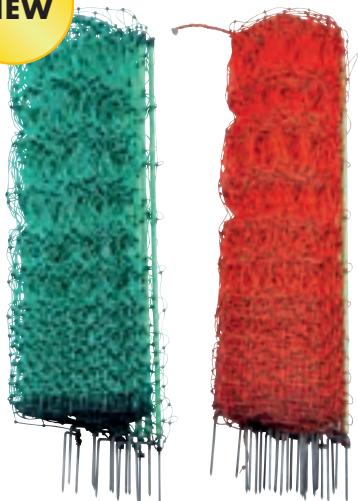
Crop Protection Netting 0.65 m:  
15 posts with double spikes, 10 horizontal polywires of which the top 9 carry current (each has 3 x 0.20 mm stainless steel strands)

Electric fence netting for poultry: Note the smaller mesh size in the bottom section



Poultry netting 1.12 m:  
15 posts with double spikes, 12 horizontal polywires, of which the top 11 carry current (each has 3 x 0.20 mm stainless steel strands)

**NEW**



### Poultry Netting

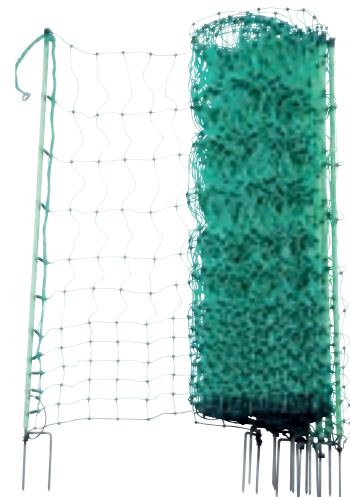
for chicken, geese, turkeys - but also sheep (particularly lamb safe)

- 112 cm high**
- With double spike, 50 m
- 111200 (qty 1)**
- 112 cm high**
- Double spike, 50 m, green
- 111220 (qty 1)**
- Spare Post 112 cm**
- Double spike
- 111201 (qty 1)**

### Non-Electrified Netting

without conducting strands; for chicken, geese, turkeys; comes with 7 pegs (same mesh sizes as poultry netting)

- 112 cm high**
- With double spike, 25 m
- 111210 (qty 1)**





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