



ello FENCE

www.ellofence.com

Electric fencing - **MAKE IT EASY !**



NEW

TAPES, WIRES AND ROPES


ELECTRIC FENCERS

ACCESSORIES

STRONG LIKE AN ELEPHANT FOR LONG FENCES



How do I build a pasture fence?

It's quite simple: with 

We will show you how easy it is and everything you need.

With Ellofence we begin with the choice of the conductor material. The conductor material is the most important part of the fence! It determines how big the fenced in area may be and what kinds of animals you can keep with it. Our „Ello-conductor“ provides an optimum current flow, also with long fences.

We also offer you suitable pasture fence units in addition to our Ellofence conductor material. The Ellofence units are sufficient so that you will not need any pasture fence units with unnecessary functions.

Your advantage with Ellofence:

- Easy handling
- Step by step installation instructions in our catalogue

We want to make it easy

When you are in the position to build a fence with electrical material and you do not work with metal wire, barbed wire and with a permanent fence, you need only some material to build your own fence and this we will show you.


You are not a professional and you do this fence for your hobby and it has not to be very complicated, than you are fine with Ellofence.

When you look in the catalogues of the main manufacturers, you find 60 and more fencers. All these companies want to sell their fencers and additional the accessories. But they make it very complicated for the hobby user.

We do it different, we make it easy. Please follow up our next steps.


We find out that we need 4 different very important parts of electric fencing.

- A** First, the wires, tapes and ropes, as this fence material are in contact with the animals and have to work perfectly.
- B** Secondly, the fencers, which gives the shock to the fence line.
- C** And third, a good earthing, so that the currency can flow from the fencer through the fence line into the animal by contacting the fence line and back to the earth of the energizer. In this case you close the circle.
- D** The rest are accessories, posts, insulators, gate handles and reels, which you will use to complete the fence.

 has perfect conductors. We use only 0,30mm conductor material to have the best conductivity so that the energy can flow and can work and can help to let the animal in the fence or to let them out of the area.

Our Ello-conductor has high quality and is working perfect on the fields. The material we use for this Ello-fence wires, tapes and ropes is produced here in Europe, same for the fencers.

We have experience in the electric fence market since nearly 30 years. We know what is necessary and what is important to build up an electric fence.

 is a European brand. You will find this brand in different countries where you find help for your questions.



makes electric fencing easy !

I am building an Ellofence pasture fence:

Step 1

First I look up the animal species which I wish to fence in in the table.

Step 2

I select the column with my fence length. Then, the fence length leads me to the recommended fence material. See on page 6 and 7 for detailed selection help.

Step 3

9 Volt, 12 Volt or 230 Volt. It is best to choose a 230 V unit if a power connector is nearby. For short pastures without a mains connection, it is best to choose a 9 V unit (up to 2,500 m) and for longer pastures without a mains connection a 12 V unit.

Step 4

I can choose accessory material on the following pages.

	Fence material		1 - 1000m	1001 - 2500m	2501 - 5000m	5001 - 10000m
			rope 12, 20,40mm tape	rope 12, 20,40mm tape	rope 12, 20mm tape	rope 12, 20mm tape
	Fencer	9V	Ellofence B25	Ellofence B35		
		12V	Ellofence A30	Ellofence A120	Ellofence A150	
	230V	Ellofence M30	Ellofence M100	Ellofence M160	Ellofence M350	

	Fence material		1 - 1000m	1001 - 2500m	2501 - 5000m	5001 - 10000m
			twine 12, 20mm tape	twine 12, 20mm tape	twine 12, 20mm tape	twine 12mm tape
	Fencer	9V	Ellofence B25	Ellofence B35		
		12V	Ellofence A30	Ellofence A120	Ellofence A150	
	230V	Ellofence M30	Ellofence M100	Ellofence M160	Ellofence M350	

	Fence material		1 - 1000m	1001 - 2500m	2501 - 5000m	5001 - 10000m
			wire, twine 12, 20mm tape	wire, twine 12, 20mm tape	wire, twine 12, 20mm tape	wire, twine 12, 20mm tape
	Fencer	9V	Ellofence B35			
		12V	Ellofence A120	Ellofence A150	Ellofence A150	
	230V	Ellofence M100	Ellofence M160	Ellofence M350	Ellofence M350	

	Fence material		1 - 1000m	1001 - 2500m	2501 - 5000m	5001 - 10000m
			twine	twine	twine	twine
	Fencer	9V	Ellofence B35			
		12V	Ellofence A120	Ellofence A150	Ellofence A150	
	230V	Ellofence M100	Ellofence M160	Ellofence M350	Ellofence M350	

	Fence material		1 - 1000m	1001 - 2500m
			twine 12mm tape	twine 12mm tape
	Fencer	9V	Ellofence B25	Ellofence B35
		12V	Ellofence A30	Ellofence A120
	230V	Ellofence M15	Ellofence M100pet	

Which fencing material should I take?

Fencing twine

acts as a wire substitute, is easy to reel up and off, a child's play to install and is at a good price

Fencing rope

is very resistant to wind, good visibility for animals and people

Fencing tape

very good visibility for animals and people, movement of the tape in the wind makes it easier for animals to perceive it



Niveau of the conductivity for electric fencing in Ohm/m	Advisable fence lengths
0,04 Ω/m - 0,2 Ω/m	up to 10.000m
0,2 Ω/m - 0,5 Ω/m	up to 5.000m
0,5 Ω/m - 3,0 Ω/m	up to 2.000m
3,0 Ω/m - 6,0 Ω/m	up to 1.000m
6,0 Ω/m - 15,0 Ω/m	up to 300m

TAPE



Electric fencing tape
12,5mm

0,14 Ω/m PE 65 kg 5 Conductors

125 700 121 100m 125 700 123 300m

Electric fencing tape
20mm

0,08 Ω/m PE 150 kg 9 Conductors

125 700 203 300m



Electric fencing tape
40mm

0,06 Ω/m PE 235 kg 12 Conductors

125 700 403 300m

TWINE



Electric fencing twine

0,12 Ω/m PE 65 kg 6 Conducteur Conductors

125 701 003 300m 125 701 005 500m 125 701 010 1000m

ROPE



Electric fencing rope
6mm ø

0,12 Ω/m PE 450 kg 6 x 0,30 Conductors

125 702 003 300m 125 702 005 500m

Power supply units

These units are designed for short to long fences and also for fences with heavy vegetation growth. These units are very economical and are usually always installed on the building and are easy to use. In addition, power supply units must be provided with lightning protection, which should only be installed by an electrician.



You should take mains fencers if this is possible for your fence. As they have always a low power consumption and give enough power to the fence. And they are near to the building and you have control over this fencers and they are save against theft.

MAIN FENCERS



EALO M15 - 230V

- Power consumption: 0,6W
- Output Energy: 0,1J
- Voltage by animal contact: 2.200V

125 970 015



EALO M30 - 230V

- Power consumption: 1,5W
- Output Energy: 0,3J
- Voltage by animal contact: 2.200V

125 970 030



EALO M160- 230V

- Power consumption: 6W
- Output Energy: 1,6J
- Voltage by animal contact: 5.800V

125 980 135



EALO M350 - 230V

- Power consumption: 8W
- Output Energy: 3,5J
- Voltage by animal contact: 6.000V

125 980 295



Power supply units

When you want to use an electrical fencer for your paddock, we have the right solution, take our Ellofence M100. This fencer is strong enough to transport the power through your Ellofence fence material.

If you want to use an electric fence in your garden, please use our M100pet or the kit. In the kit you have everything what you need for your first electrical fence.

MAIN FENCERS



EaLO FENCE M100 - 230V

- Power consumption: 4W
- Output Energy: 0,9J
- Voltage by animal contact: 4.800V

125 960 005



EaLO FENCE M100 pet - 230V

- Power consumption: 4W
- Output Energy: 0,9J
- Voltage by animal contact: 4.800V

125 960 110



EaLO FENCE Kit - 230V

- Contence:
 - 1 x fence energizer M100pet
 - 1 x twine 2mm, 100m
 - 1 x earth post
 - 1 x underground cable, 5m
 - 1 x warning sign

125 960 115



12V battery units

These units are similarly strong as power supply units and are suitable for longer fences and long-haired animals. The operating costs are also favourable because the 12 V battery can be recharged repeatedly.



Use 12 Volt fencers when you have long haired animals where you need more power. The power, measured in Joule, is that what we called shock and what the animal will feel. The voltage you need only to do the transport of the energy. So you need the voltage to get through the hairs and to come to the skin of your animal.

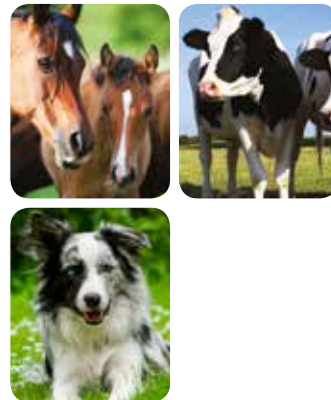
12V FENCERS



Elo A30 - 12V

- Power consumption: 27mA
- Output Energy: 0,3J
- Voltage by animal contact: 3.300V

125 972 030



Elo A120 - 12V

- Power consumption: 145mA
- Output Energy: 1,2J
- Voltage by animal contact: 4.500V

125 972 120



Elo A150 - 12V

- Power consumption: 160mA
- Output Energy: 1,23J
- Voltage by animal contact: 4.300V

125 982 150



Elo Holder

- Earth post for Ellofence A30, A120 and A150
- Including hanging system with roof for fencers

125 982 001

9V / 12V battery units

These units are ideal for the mobile pasture. They are usually uncomplicated and easy to use. However, 9 V battery units are never as strong as power supply units and are not optimal for long-haired animals and long fences. 9 V batteries are needed for these units, which must be disposed when they are discharged.



9 volt fencers are easy to handle, this is the positive point. You need only every year a dry battery which you can not charge again. Our dry batteries are cadmium and mercury free.

9 volt fencers are never so strong than mains fencers or 12 volt fencers. So you use them for smaller fences and for sensitive animals.

9 volt fencers with the 9 volt battery are very easy to carry from one pasture to the next.

9V/12V FENCERS



EALO B25 - 9V / 12V

- Power consumption: 25mA
- Output Energy: 0,25J
- Voltage by animal contact: 2.000V

125 981 020



EALO B35 - 9V / 12V

- Power consumption: 38mA
- Output Energy: 0,32J
- Voltage by animal contact: 3.700V

125 981 030



A fence is working well, when the fence has always minimum 2.000 Volt on the fence line. Please use tester to check the voltage (look on page 19).

When there is less 2.000 volt, please look if you have vegetation on the fence line. Cut these vegetation like grass and check again. If the voltage is not better look for better earthing (look on page 16/17).



EALO Saline batteries

Our saline batteries (zinc salt cells) are cadmium and mercury free.

9V / 90Ah: 125 070

9V / 130Ah: 125 071



EALO Battery voltage-meter

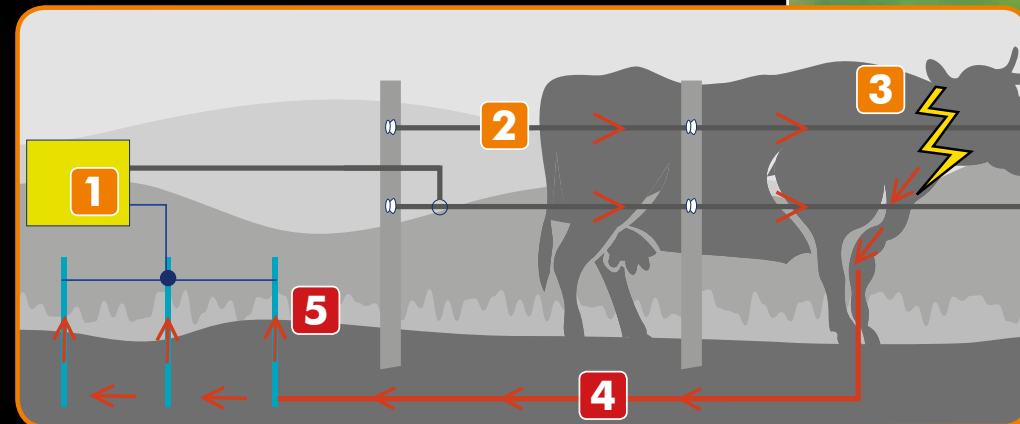
Shows the voltage of the battery for control the life of the battery.

125 428 002

Advices

Earthing is very important for an electric fencing. You need to earth the fencer to the earth post and to the fence line to have a circuit where the current can flow. The current is starting from the fencer travelling through the fence line and on the other side travelling to the earth stakes. When now an animal will touch the fence line the circuit is closed and the current is going through the body of this animal to the ground and back to the earth stake. The animal will get a shock and the system is operating.

For a good earthing you need several earth stakes. A standard earth system for energizers from 1 to 5 joules are minimum 3 earth stakes of minimum 1 m length. Put them into the soil 3 to 5 m apart and connect them with screws. You should use for connection always insulated cable.



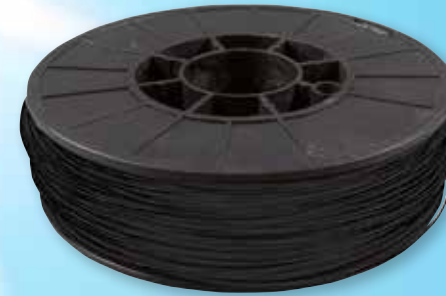
- 1** Electric fencing energizer
- 2** Fence material
- 3** Animal
- 4** Ground
- 5** Earth spike

EARTHING



EALO Short earth spike
Earth spike with earth line connecting wire. Especially for 9V fencers.

125 984 891



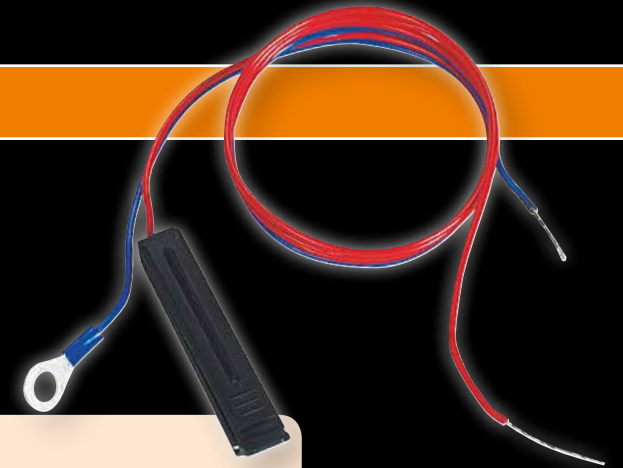
EALO Insulated cable, double isolation
Length: 25 m, thickness: 1,6mm.

125 451 025



EALO Earth spike, 1m
Essential. Indispensable for allowing the current to flow back when the animal comes in contact with the wire.

125 890



EALO Set
For all energisers. Set of earth and line cable.

125 984 190



EALO Spring type lightning conductor insulator
If lightning hits the fence, it directs the voltage surge generated by it to the earth and keeps the energiser safe. Lightning conductors are indispensable with medium and long fixed fences.

125 982 291

Advices

Accessories for the fence are necessary to manage the fence itself.

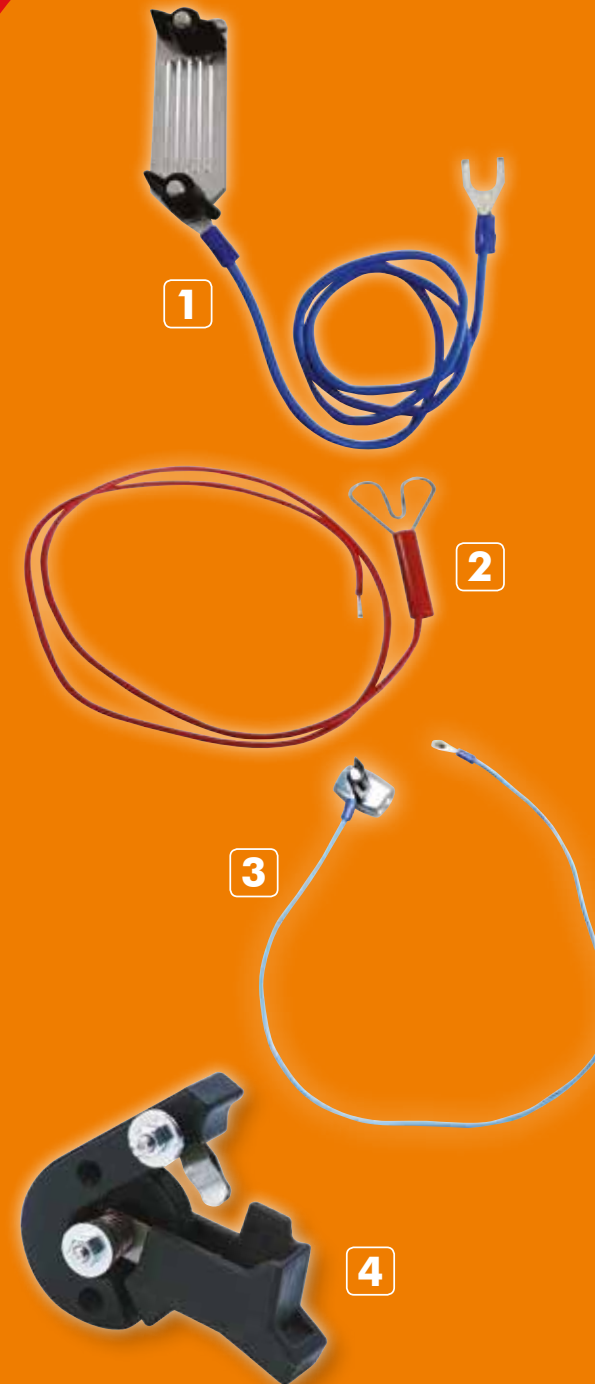
So you need to connect the fencer to the fence line and there you need the connection cables from the fencer to the line. We offer this connection cable from the fencer to tapes, twines and ropes.

For testing your fence, we have several solutions. You can use a simple LED tester where you can see the voltage of your fence at that part where you do the test. When the voltage is under 2.000 volt you must look for the fence.

With the digital voltmeter you have the correct voltage available and with the fence meter you know that you have power or not.

ACCESSORIES

- 1** **EALO Fence connection cable tape**
Professional connection cable between fencer and tape up to 40mm. Stainless steel contact plate, length of the cable 60cm.
125 982 001
- 2** **EALO Fence connection cable twine**
Connection cable between fencer and twine, insulated, with "heart" connector.
125 982 002
- 3** **EALO Fence connection cable rope**
Professional connection cable between fencer and rope up to 6,5mm, length of cable 130cm.
125 982 003
- 4** **EALO Fence switch**
Line sectioning switch with insulating polypropylene body and stainless steel connection. For working on one section of a fence while keeping the rest of it live.
125 983 100



- 5** **6** **EALO LED fence tester (6 KV)**
For daily monitoring the fence, shows the condition of your fence in six stages, 1.000 until 6.000 Volt.
125 426 006
- EALO LED fence tester (12 KV)**
For daily monitoring the fence, shows the condition of your fence in six stages, 2.000 until 12.000 Volt.
125 426 012
- 7** **EALO Fence-meter without cable**
Shows the voltage of the fence without to touch and without earthing the fence line.
125 428 001
- 8** **EALO Digital voltmeter**
The optimal measuring instrument is this digital voltmeter. Easy to handle and with quick diagnosis.
125 427



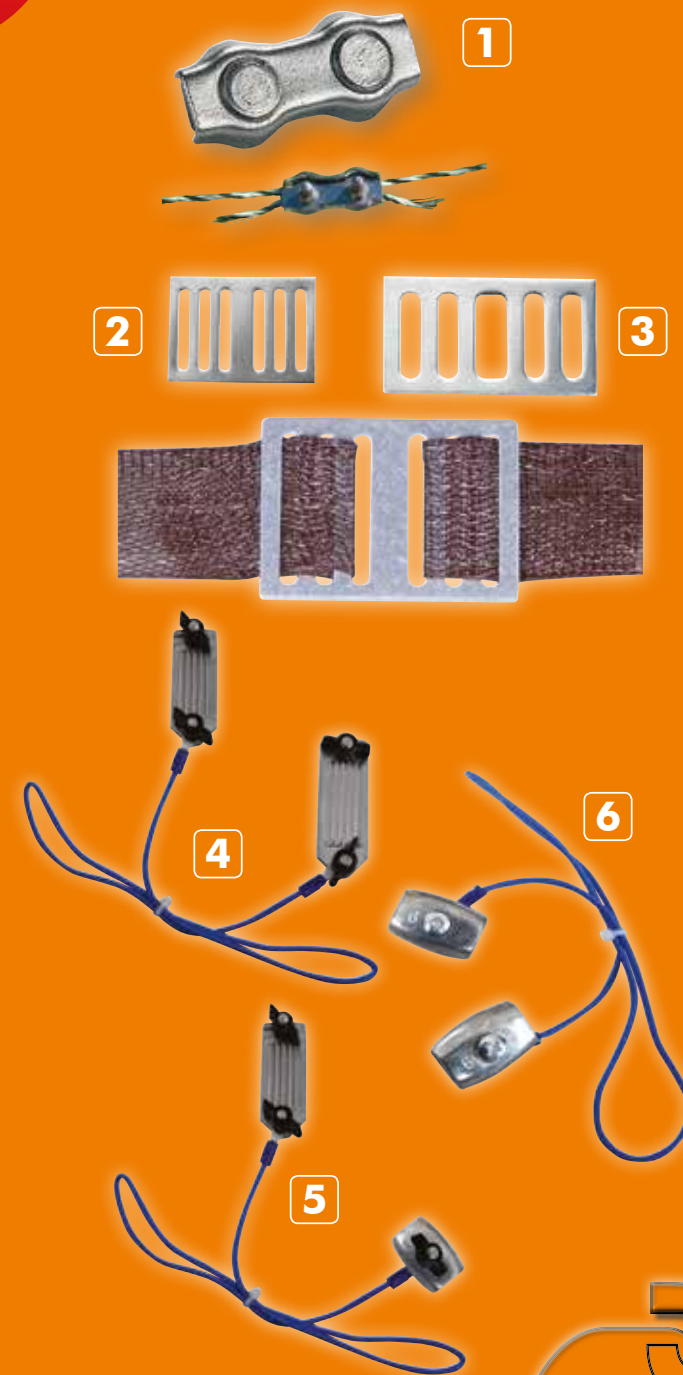
Advices

If you use longer fences and you need to connect the wires, tapes or ropes, you should use connection material. We offer the connection between twine, tape and rope and especially between tape and rope.

To manage the fence material between or at the end of the season, you use our reel system. Please use this reel which is perfect for the capacity of the twine or tape. For rope is no reel system available because of the heavy material.

ACCESSORIES

- 1** **EALIO Twine and rope connector**
Out of aluminium. Bag of 5.
● 125 983 010
- 2** **EALIO Tape connector**
Out of aluminium. Bag of 5.
● 125 983 012 for tape 20mm
● 125 983 014 for tape 40mm
- 4** **EALIO Connection cable for tapes 40mm**
Professional connection cable between tapes of 40mm, stainless steel contact plate.
● 125 983 100
- 5** **EALIO Connection cable tape and rope**
Professional connection cable between tape up to 40mm and rope up to 6mm, stainless steel contact plate.
● 125 983 101
- 6** **EALIO Connection cable rope**
Professional connection cable between rope up to 6mm, length of cable 60cm.
● 125 983 102



- 7** **EALIO Reel Ellofence large**
Multi purpose plastic fence reel for twine, tape and rope, reel fastened on handle by grip clip, very robust construction, reel removable, capacity 800 m twine
● 125 361 001
- 8** **EALIO Reel Ellofence medium**
Plastic fence reel (mainly for strip grazing), for easy paddock and pasture separation, capacity 500m twine.
● 125 361 002
- 9** **EALIO Reel Ellofence small**
Plastic fence reel (mainly for strip grazing), for easy paddock and pasture separation, capacity 300m twine.
● 125 361 003

Part no.	Capacity twine	Capacity tape
125 361 001	800m	300 - 500m
125 361 002	500m	200 - 300m
125 361 003	300m	100 - 200m



- 1** **EALO FENCE** Gate handle, black
Internal extension spring handle. Bag of 2.
125 990 002


- 2** **EALO FENCE** Gate handle with 5 m spring
Internal extension spring handle. Set of gate handle and spring.
125 990 105


- 3** **EALO FENCE** Double anchoring insulator
Indispensable for installing gates. Bag of 2.
125 990 130


- 4** **EALO FENCE** Corner insulator
Corner insulator for wires and ropes, very durable. Bag of 2.
125 990 135



ACCESSORIES

- 5** **EALO FENCE** Nail-on insulator for tape and rope
For tape up to 40 mm and rope up to 6mm. Bag of 25.
125 989 040


- 6** **EALO FENCE** Tape insulator up to 40 mm and for rope up to 8mm
To be screwed on. Bag of 25.
125 989 020


- 7** **EALO FENCE** Ring insulators, reinforced
Duplicate moulded on an open-eye wood screw, designed for wire and tape up to 12 mm. Bag of 25.
125 989 125



- 8** **EALO FENCE** Standoff ring insulator
Length 200 mm. For screwing into wooden posts. For twine and tapes up to 12 mm. Bag of 10.
125 989 150


- 9** **EALO FENCE** Standoff tape and rope insulator
Length 180mm. For screwing into wooden posts. For tapes up to 40 mm and for rope up to 8mm. Bag of 10.
125 989 155

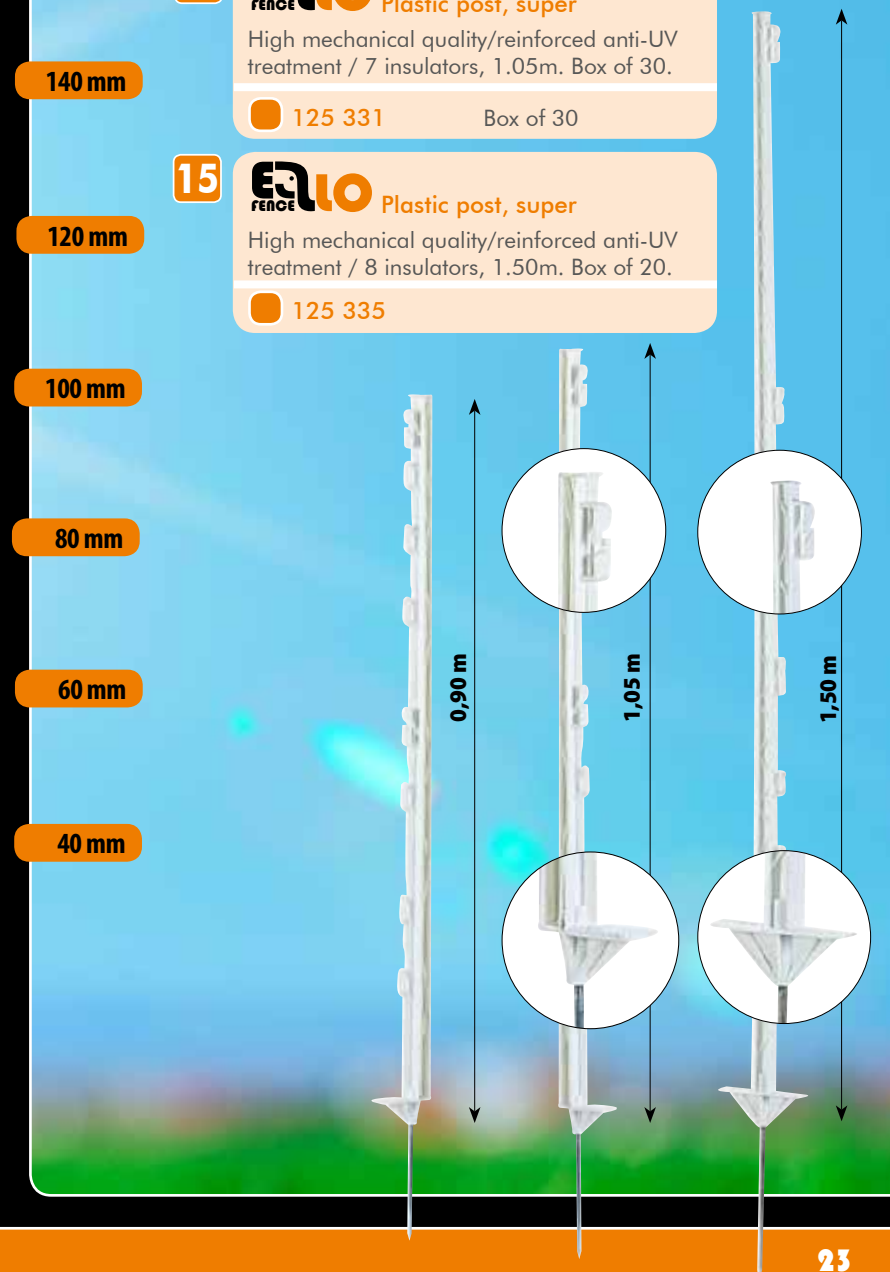

- 10** **EALO FENCE** Nail-on insulator, small
With fixed nail for wire. Bag of 100.
125 224 002


- 11** **EALO FENCE** Staple insulator
For wire up to 5mm. Bag of 100.
125 224 003


- 12** **EALO FENCE** Knop insulator
Without nail. Bag of 100.
125 219



- 13** **EALO FENCE** Plastic post, standard
8 insulators, 0.90m. Bundle of 5. Pallet with 200 bundle.
125 992 050
- 14** **EALO FENCE** Plastic post, super
High mechanical quality/reinforced anti-UV treatment / 7 insulators, 1.05m. Box of 30.
125 331 Box of 30
- 15** **EALO FENCE** Plastic post, super
High mechanical quality/reinforced anti-UV treatment / 8 insulators, 1.50m. Box of 20.
125 335

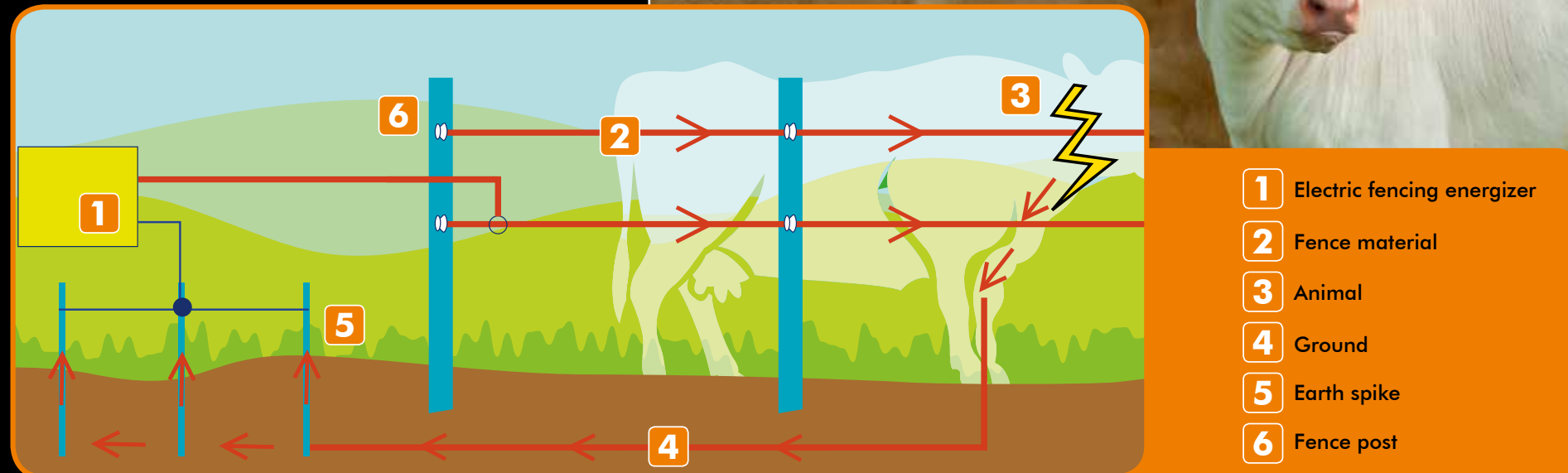
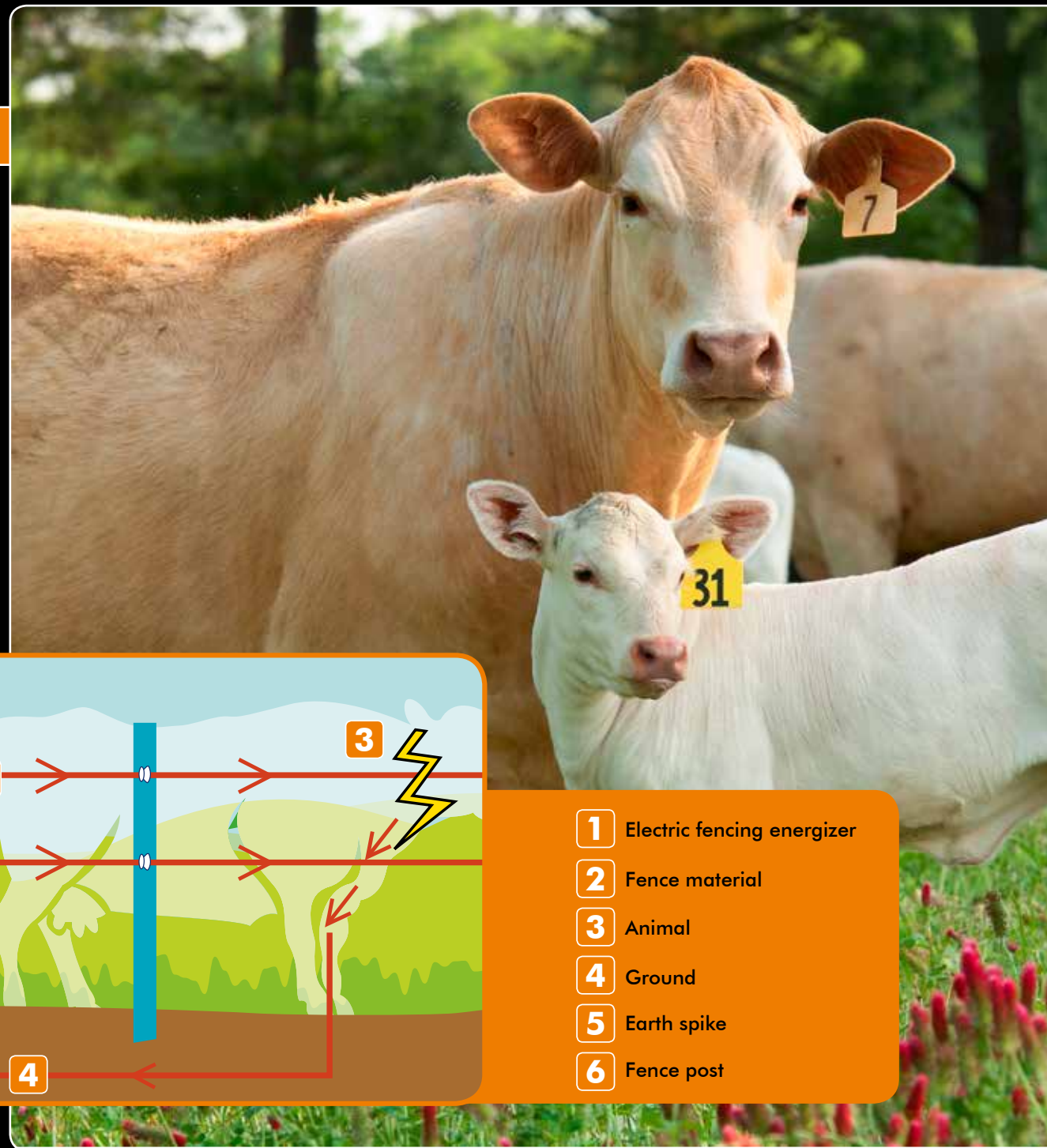


THE ELECTRIC PASTURE FENCE

The use of electric fences

Why are electric fences actually used?

1. The user wants to protect his livestock. Either animals are to be prevented from breaking out of the fence (for example out of a horse paddock) or animals are to be prevented from getting in to protect a field (for example a corn field).
2. The user wants to be able to move the fence, i.e. set up a mobile fence, to provide his livestock with fresh pasture.
3. The user wishes to have a certain control over the fence. This is possible with the pasture fence; with a so-called permanent fence this can only be done by walking along and visually inspecting it.
4. The fence should be easy to install. This means, for example, no use of barbed wire which is complicated and also dangerous and can cause injuries.



How does the pasture fence work?

A ready to use, functional electric fence is an open circuit. The pasture fence unit generates a high pulse with a very short duration. The pulse duration is in the millisecond range and the pasture fence is therefore usually not dangerous for people under normal circumstances. The fence wire and the ground are the current-carrying elements. No active current flows in the electric fence in the ready to use state. It only flows when the circuit is closed. This is the case when an animal touches the fence. The circuit is closed when the current pulse flows through the animal and back to the unit via the ground. This releases a shock which ensures the deterrent effect of the electric fence.

When is the circuit not closed?

- a) When the wire is broken
- b) When the conductivity of the fence material is too poor and the electricity cannot flow
- c) Too dense animal fur
- d) Too much vegetation on the fence wire which conducts the current to the ground
- e) Poor and insufficient earthing of the pasture fence unit
- f) Too dry or ice on the ground which then acts as insulation

What do Joule and Volt mean?

An animal fur is a good insulator against electricity for example. This insulation can only be overcome by a high voltage. The voltage creates pressure so that the energy can flow through the animal's body. The only purpose of Voltage (measured in Volts) is that it does not hurt.

The pain reaction of an animal when it touches the fence is only caused by the energy (measured in Joules). The higher the energy, the stronger the deterrent effect of the electric fence.

In practice, this means for a pasture fence that you have to have enough voltage to get the energy through the animal's skin. But just having a high voltage is no use because voltage alone cannot trigger a pain reaction.

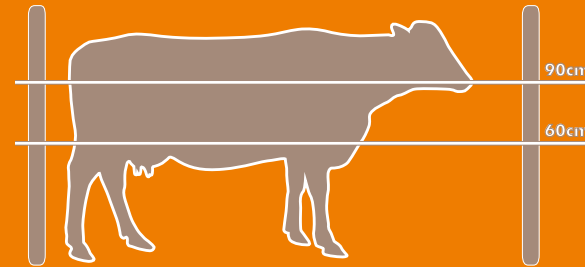
What do you need for an electric fence?

Différents composants sont nécessaires pour une clôture électrique. Une clôture pour pâtures est composée des éléments suivants :

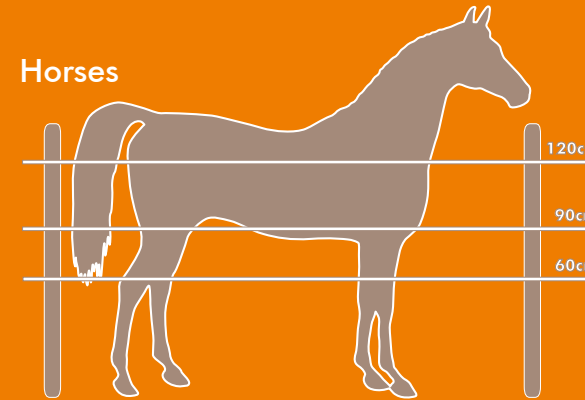
- a) A pasture fence unit (of energy type 9 V, 12 V or 230 V)
- b) Good earthing with earth spikes and connecting cables
- c) Accessories such as batteries and solar units, testers and monitoring tools
- d) A wire, a twine, a tape or a rope and their connection parts or electrical meshes for different kinds of animals
- e) Different posts which keep the fence wire at a certain height
- f) Insulators which fix the fence wire to the posts
- g) Gates and gate handles

Fence heights

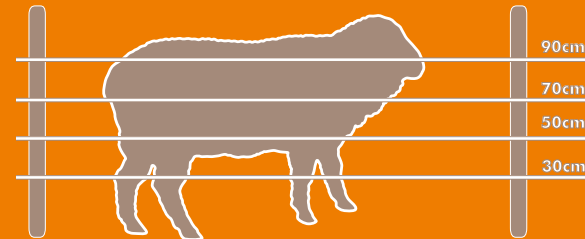
Dairy cows



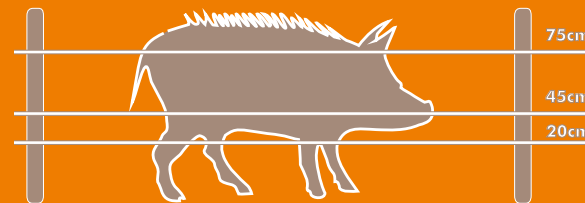
Horses



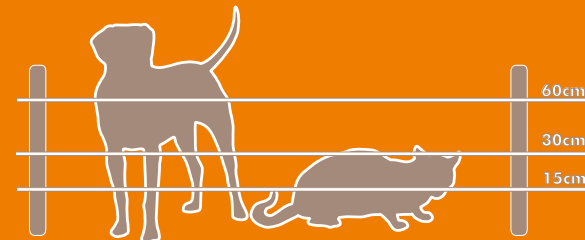
Sheep or goat



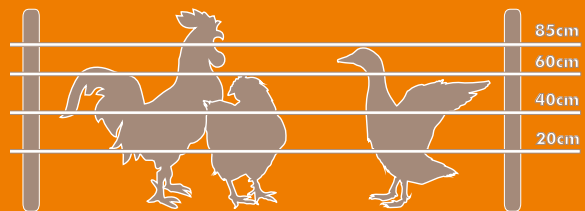
Wild boar



Dogs and cats



Poultry



What types of pasture fence units are available on the market?

Pasture fence units are offered according to the energy type. An existing electric main can be used or 9 V batteries, which can only be used once, or 12 V batteries which can be recharged. Solar energy can also be used which helps to save costs over the years.

The different energy types have their advantages and disadvantages in use:

1. Power supply units

These units are designed for short to long fences and also for fences with heavy vegetation growth. These units are very economical and are usually always installed on the building and are easy to use. In addition, power supply units must be provided with lightning protection, which should only be installed by an electrician.

2. 9 V battery units

These units are ideal for the mobile pasture. They are usually uncomplicated and easy to use. However, 9 V battery units are never as strong as power supply units and are not optimal for long-haired animals and long fences. 9 V batteries are needed for these units, which must be disposed when they are discharged.

3. 12 V battery units

These units are similarly strong as power supply units and are suitable for longer fences and long-haired animals. The operating costs are also favourable because the 12 V battery can be recharged repeatedly.

4. Solar operation

Solar-powered units are 9 V or 12 V battery units, which save costs and are environmentally friendly in their use. The battery in the 12 V units can be recharged again and again. The 9 V units operate in parallel mode so that the operating time of a unit is increased.

STRONG LIKE AN ELEPHANT FOR LONG FENCES

NEW



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