

PRODUCT CATALOGUE

ELECTRIC FENCES
ZOOTECHNICAL EQUIPMENT

2024





Over the past few years Agro Electrosistemas has developed in an exceptional way.

The secret of our development is simple:
perseverance, fast and prompt service,
attention to needs and details in serving our customers.

Basically, our company manufactures electric fence energizers and
commercializes accessories for building electric fences.

Based on numbers, in our area we are ahead
in sales of electric fence energizers.

In line with farmers' needs,
our offer has greatly expanded with products
related to zootecnics and agriculture: we currently offer
a wide range of products. We constantly have sufficient products in stock.

Our development is also ensured by our
collaboration with globally recognized companies,
therefore we can offer competitive prices.






































The relationship with our distributors is based on
generous price margins – thus, if our partners grow, we grow.

Thank you for choosing us – by doing so, you are supporting a local business.

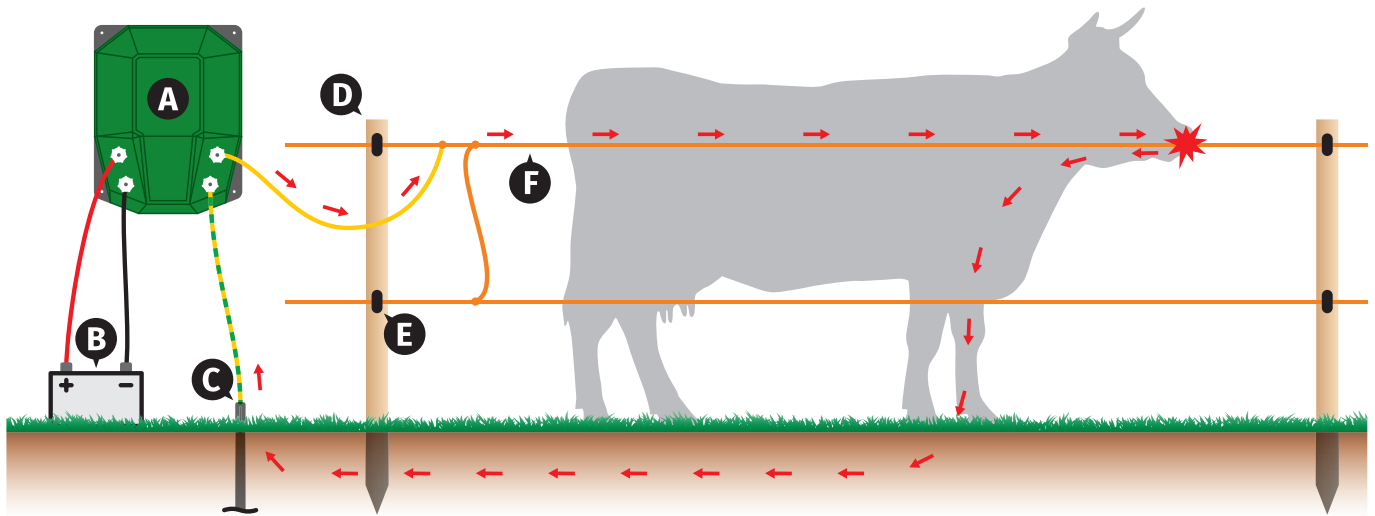


PRODUCT CATALOGUE

ELECTRIC FENCES ZOOTECHNICAL EQUIPMENT AND ACCESSORIES

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Electric fencing system



Operating principle

Electric fences are designed exclusively for animals, for fencing them in, or for keeping out other wild animals. We distinguish between temporary and permanent electric fences as follows: temporary systems operate for days, weeks, or months, while permanent systems operate for several years.

The electric fence works with high voltage pulses. The period of the pulses is about one second and their voltage is about 6000-10000 V. The impulse generator is connected to the fence wires. The moment an animal touches the wire, the electric circuit is closed through the earth. Electrocutation is not dangerous, but it is extremely unpleasant. Animals will quickly learn to keep their distance from the electric fence wires.

A Electric fence energizer (the impulse generator)

The electric fence generates short, high-voltage electrical pulses of about one second. The most important parameter of the device is the stored energy, expressed in Joules. For the electrification of small fences (1-2 km long) a device with a power of 1-2 Joules is needed. For longer fences, a powerful device with a power of 4-7 Joules is required.

B Power supply

The device is powered with 12 V DC. Power can be supplied in two ways: with a 230/12 V mains adapter, or in areas without mains power with a 12 V car accumulator, which, if charged, can keep the appliance running for about a week. The accumulator can also be charged with a solar system.

C Grounding

Grounding is a very important element of an electric fence system, so its quality is essential. A metal bar, preferably galvanized, with a minimum length of one meter, should be used for grounding. For longer fences, more than one grounding shall be constructed to ensure proper functioning of remote areas of the electric fence. The grounding shall be constructed as close as possible to the electric fence energizer. The ideal grounding location is a damp, shaded area.

D Post, pole

Posts can be poles made of wood, plastic, metal, etc. that support the electric fence insulators. If necessary, the posts of an existing fence or even the walls of a building can be used. At fence ends, corners and gates, more solid posts should be fitted. Otherwise, after a while the fence wire will lose tension and gradually sag.

E Insulator

The support and galvanic insulation of electric fence wires is provided by insulators. Any undesirable contact of the wire with poles, vegetation, or any other ground object decreases the effectiveness of the fence. Always use insulators intended for electric fences and avoid using makeshift insulators.

F Electric fence wire

Electric fence wire contains metal inserts. According to shape and thickness we distinguish between wire, rope

or tape. The right choice depends on a number of factors, mainly the animal species:

- **Visibility:** the wire is less visible, the rope has better visibility, and the tape is the easiest to see.
- **Breaking strength:** for wild animals, a wire with a breaking strength of at least 100 kg is recommended, for domestic animals breaking strength below 100 kg is sufficient.
- **Electrical resistance:** is expressed in ohms per meter (Ω/m). The higher the resistance, the greater the voltage loss across the wire. This parameter is particularly important for long fences.
- **Maximum enclosure length:** depending on the electrical resistance, the manufacturer recommends a maximum enclosure length at which the fence will operate normally. If the fence consists of several rows of wires, the recommended maximum length can be doubled.

G Corner or fence end insulator

This insulator is more solid, suitable for corners or fence end points. Caution: do not use ring insulators at corners or fence ends!

H Warning sign

Electric fence wires that are installed along streets or public roads must be marked at 5-20 m intervals with warning signs.

I Gate Connector

The connector is a set of metallic connectors, which ensure a good connection between the wire and the gate elements.

J Gate insulator

This insulator is fitted with a hook. The fence wire is connected on one side and the gate handle or gate bow on the other.

K Gate handle

The gate handle is made of plastic, fitted with a hook, and is an indispensable item for building electric fence gates. Inside it contains a spring, which ensures tensioning of the wire.

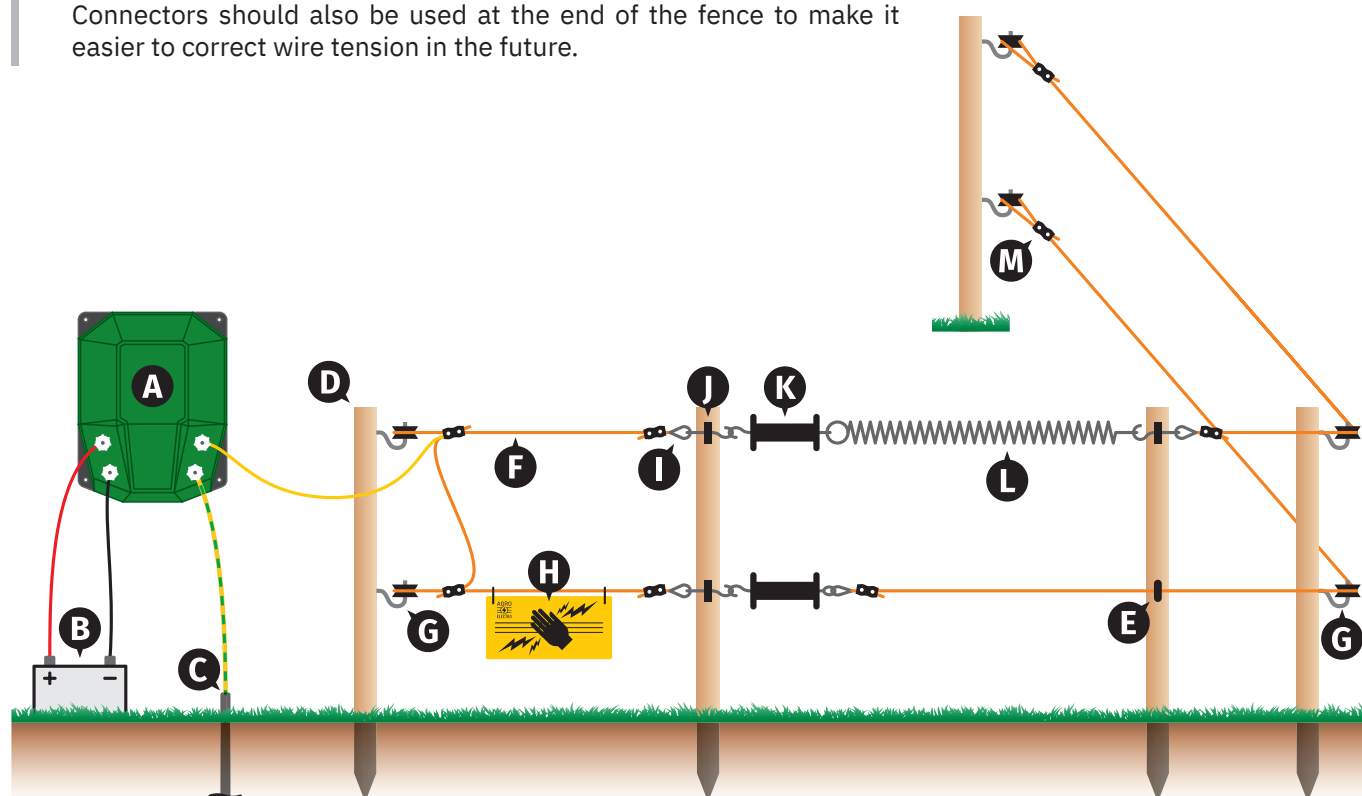
L Spring

The spring is made of galvanized steel, and stretches to a considerable length. It is used to build durable gates.

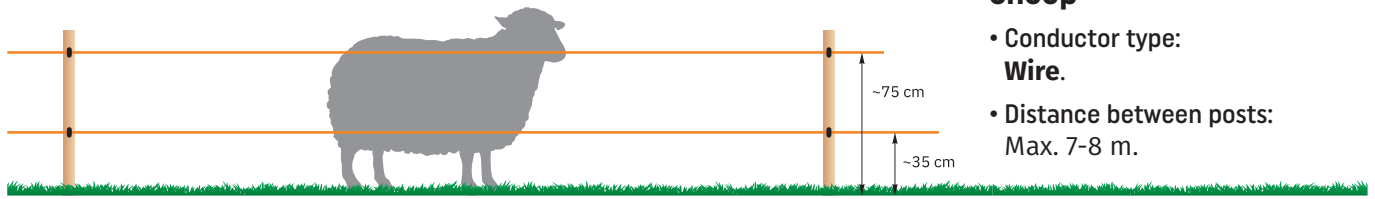
M Connectors

Connectors are indispensable parts for connecting or extending electric fence wire. Caution: extending or connecting the wire by knotting or twisting is never sufficient because durable galvanic connections are not formed!

Connectors should also be used at the end of the fence to make it easier to correct wire tension in the future.



Fence parameters by animal



Sheep

- Conductor type: **Wire.**
- Distance between posts: Max. 7-8 m.



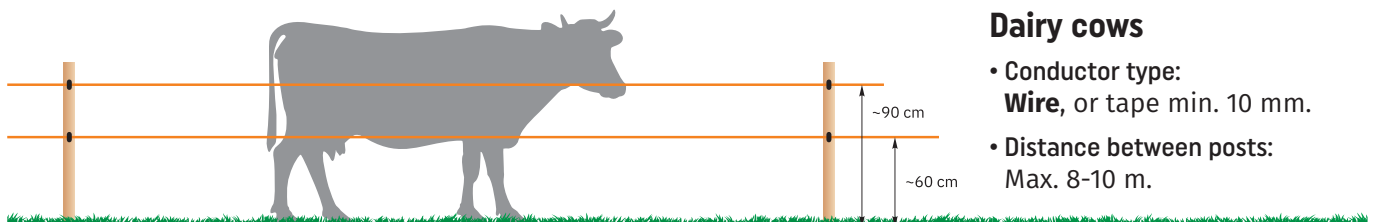
Goats

- Conductor type: **Wire.**
- Distance between posts: Max. 7-8 m.



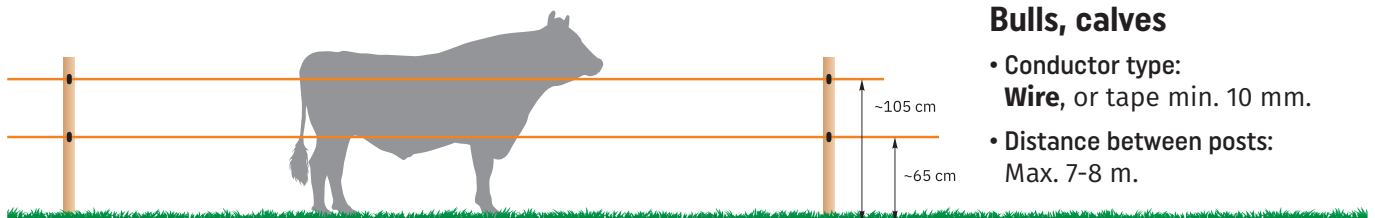
Small horses

- Conductor type: **Rope, or tape** min. 20 mm.
- Distance between posts: Max. 6-7 m.



Dairy cows

- Conductor type: **Wire, or tape** min. 10 mm.
- Distance between posts: Max. 8-10 m.



Bulls, calves

- Conductor type: **Wire, or tape** min. 10 mm.
- Distance between posts: Max. 7-8 m.



Horses

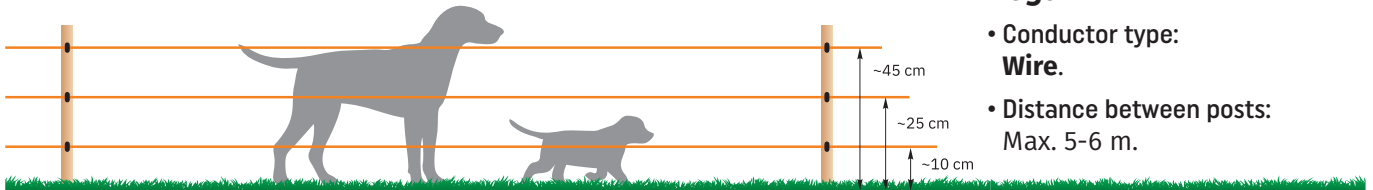
- Conductor type: **Tape** min. 20 mm, or **rope.**
- Distance between posts: Max. 6-7 m.

The wire heights given are for guidance only and can be adapted to suit the species of animal.

Fence parameters by animal

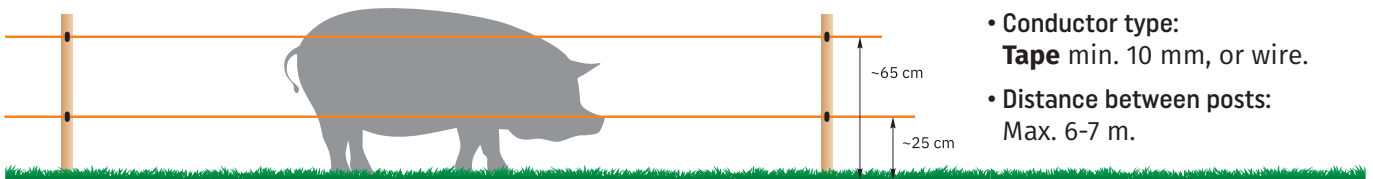
Dogs

- Conductor type:
Wire.
- Distance between posts:
Max. 5-6 m.



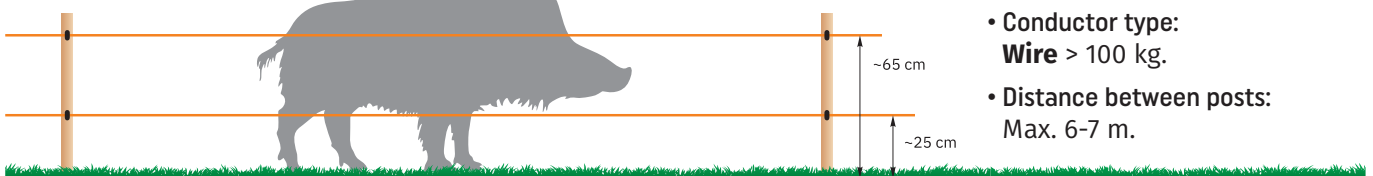
Pigs

- Conductor type:
Tape min. 10 mm, or wire.
- Distance between posts:
Max. 6-7 m.



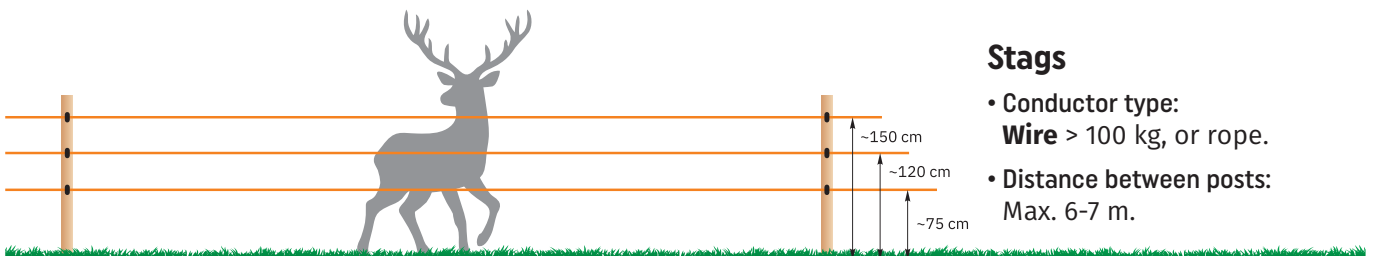
Boars

- Conductor type:
Wire > 100 kg.
- Distance between posts:
Max. 6-7 m.



Stags

- Conductor type:
Wire > 100 kg, or rope.
- Distance between posts:
Max. 6-7 m.



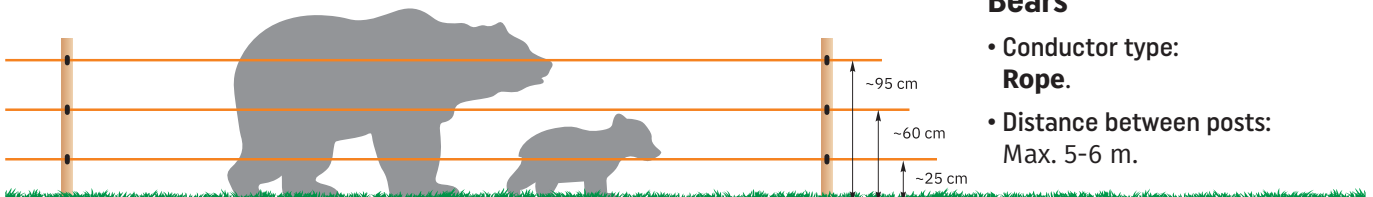
Deer

- Conductor type:
Wire > 100 kg, or rope.
- Distance between posts:
Max. 6-7 m.



Bears

- Conductor type:
Rope.
- Distance between posts:
Max. 5-6 m.



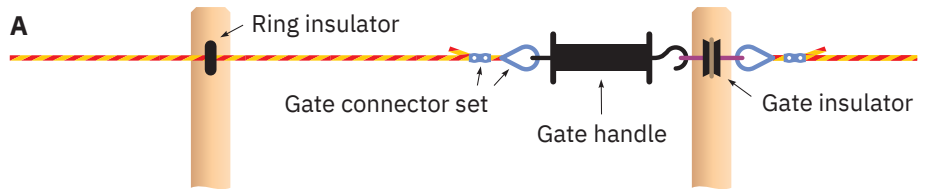
The wire heights given are for guidance only and can be adapted to suit the species of animal.

Gate types

The gate is an important element of the electric fence. People, agricultural machinery or animals can pass through the gate. The optimal width of a gate is 2-5 m. There are three basic types: **A.** rarely used gate, **B.** frequently used gate and **C.** durable gate. So the most appropriate type of gate depends on the frequency of use.

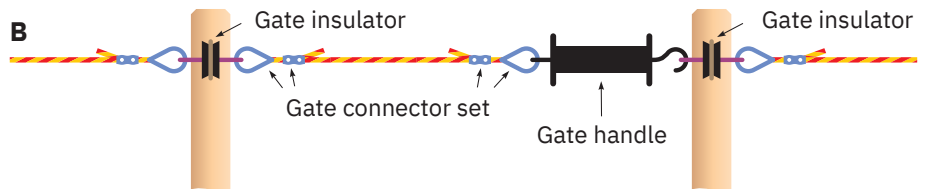
A. Rarely used gate

The construction of this gate is the simplest, consisting of a gate insulator, a gate handle and two sets of gate connectors. When opening the gate, the fence wire will lose some of its tension, which can be a disadvantage.



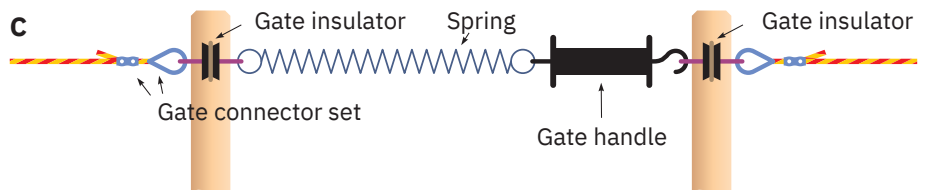
B. Frequently used gate

It is constructed of one gate handle, two gate insulators and four sets of gate connectors.



C. Durable gate

It is constructed of two sets of gate connectors and one special gate set (product code: 0104, contains two gate insulators, one gate handle and one spring).

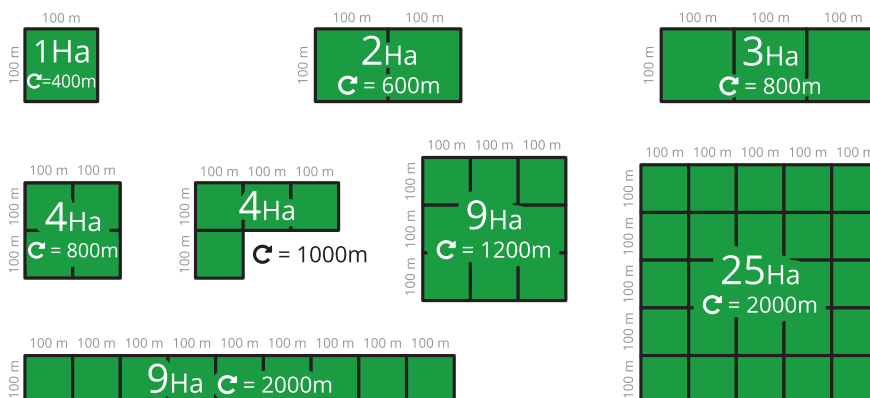


Correlation between area and perimeter – examples

Usually the area of the land to be fenced is at hand, yet calculating the perimeter can be misleading. Consider the shape of the area, or at best, take measurements to determine the correct length.

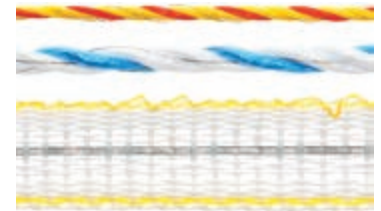
Beware: the shape of the land can greatly affect the perimeter – for example, a 9 Ha plot of land may have exactly the same perimeter as a 25 Ha plot.

Here are some examples:



Choosing the right conductor type – wire, rope, tape, or metallic wire

With so many types of wires, ropes and tapes on the market, choosing the right one can seem difficult. By going through the points below, the possibilities of choice decrease significantly once you have correctly determined the parameters of the wire.



Conductor type – polywire/rope/tape/metallic wire

The main factor in choosing the right type of conductor is first of all good visibility, taking into account the abilities of the species of animal fenced or kept at a distance. For example, for horses, tape is more suitable than thin wire. But the same type of thin wire is more than sufficient for sheep. The secondary reason for the choice of conductor type is durability over time. For example, rope is the best long-term choice.

Metallic wire is recommended for permanent electric fencing, but its disadvantage is low visibility. The appropriate choice is galvanized steel wire with a minimum diameter of 2.5 mm.

Breaking strength

This is expressed in **kg** and represents the maximum tensile strength of the wire. A maximum of 100 kg is sufficient for domestic animals, and a stronger wire is recommended for wild animals. Of course, the higher the breaking strength, the safer is the electric fence. Breaking strength decreases over time – after several years, the parameters of the wire decrease, so if you're planning for the long term, consider this detail, too.

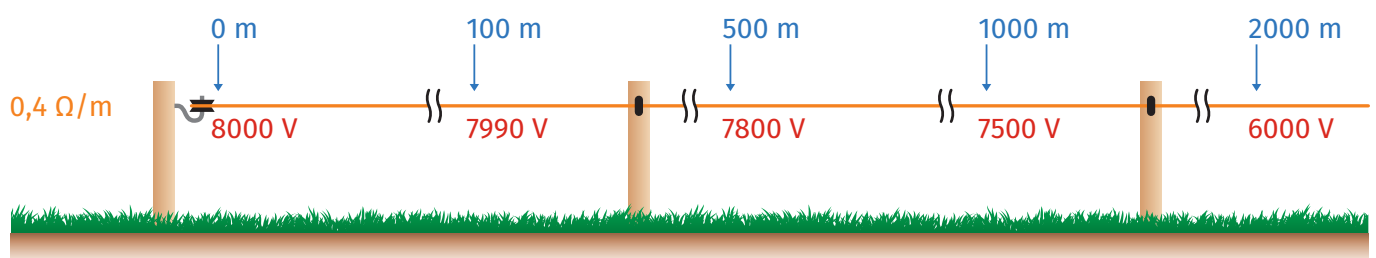
Electrical resistance

An important parameter of the electric fence wire is its electrical resistance. This is expressed in Ω/m (ohm/meter). The higher the resistance, the greater the voltage loss over longer lengths. The lower the Ω/m value, the more suitable the wire is for building longer fences (see examples below). Low resistance wire has 0.1-1 Ω/m , medium resistance wire has 1-5 Ω/m , and high resistance wire has 5-15 Ω/m .

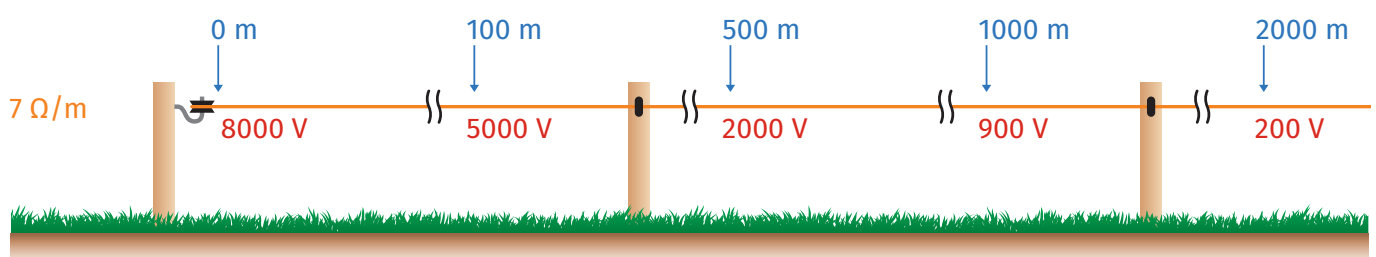
In the case of short electric fences (100-200 m) high resistance wire (proportionally cheaper) can be used, but for long fences (1 km+) definitely a low resistance wire must be used. So the electrical resistance of the wire determines the maximum length of the electric fence. This parameter can be found on the label of the wire (or on-line on the manufacturer's website), where it is called "maximum fence length". Examples:

- A wire of 0.4 Ω/m can build an electric fence of a maximum length of 10000 m.
- A wire of 7 Ω/m can build an electric fence of a maximum length of 500 m.

Although high resistance wires can be disadvantageous, in the case of short fences and especially in the case of fences having several rows, the voltage drop is not significant, so the intention of always buying low resistance wires is not a rule to follow.



Voltage drop in an electric fence built with 0.4 Ω/m wire

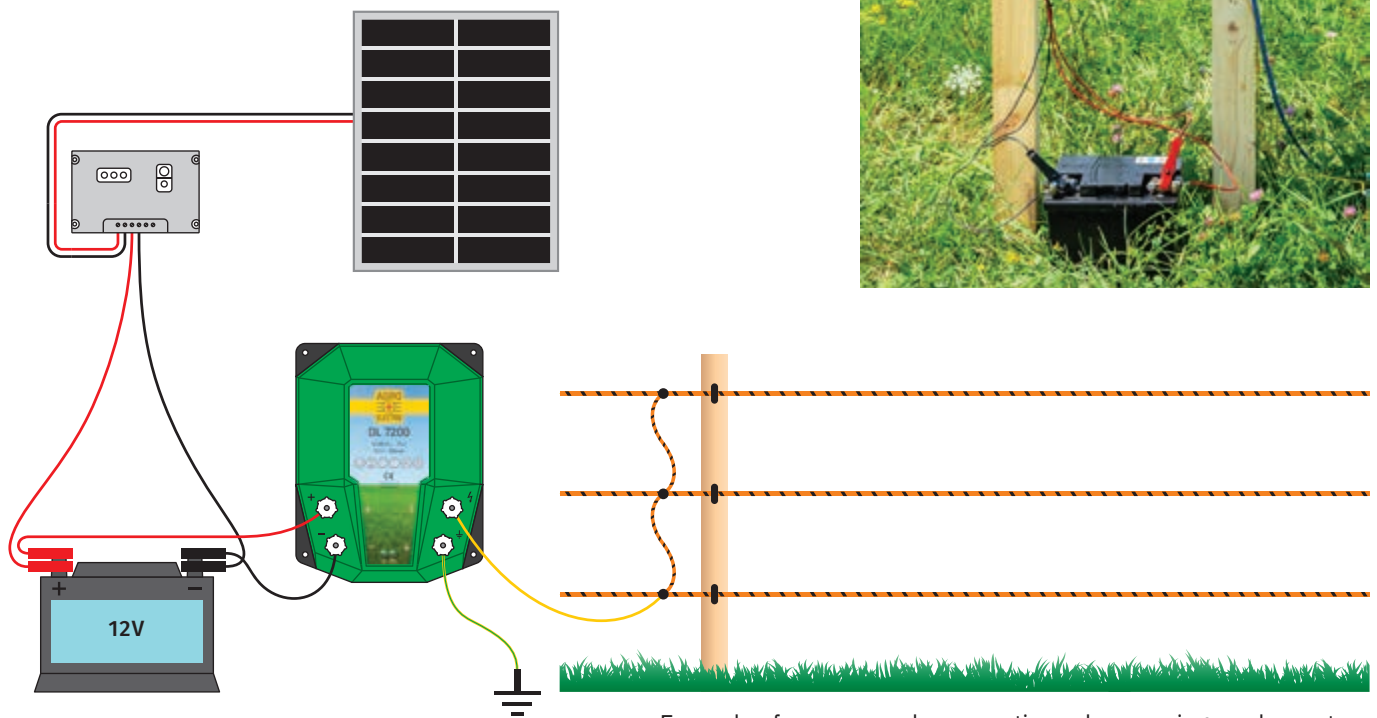
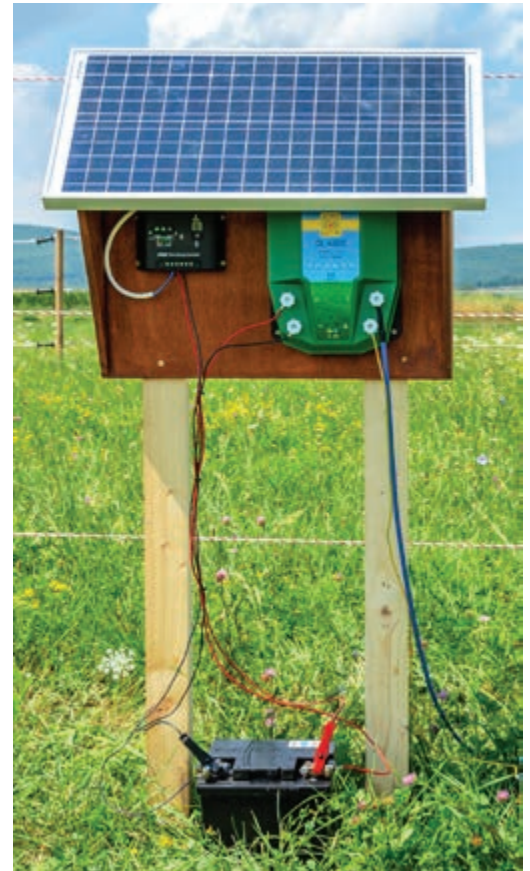


Voltage drop in an electric fence built with 0.7 Ω/m wire

Powering the impulse generator

To supply power to the impulse generator, you will need a 12 V DC voltage source. Depending on the location of the generator, there are three main power supply modes:

- In inhabited areas, or close to 230 V mains, the power supply can be made with a 230/12 V adapter.
- In areas without electricity, power supply can be provided by a 12 V car accumulator. A charged accumulator can power the device for about one week. In this case you will need to periodically charge the accumulator and, in the meantime, you may also need to use a backup accumulator to power the system.
- In areas without electricity, power supply can also be provided using a 30-100 W solar system. This consists of a solar panel and a charge controller. The collected energy is stored in a 12 V accumulator. Other low power consumers – LED light bulbs, cell phone chargers, etc. – can also be powered by this system.



Example of power supply connection scheme using a solar system

Grounding

Grounding is a very important element of an electric fence. Therefore, choosing the grounding area is essential right from the planning stage. As with the power supply, choosing the final location for the energizer also depends on the place where a proper grounding may be created.

The grounding consists of one or more galvanized metallic bars, driven at least one meter deep into the ground. Most appropriate for this purpose is using a one-meter long threaded metallic bar. The number of needed groundings depends on the length of the fence, but also on the moisture of the soil – the longer the fence and the drier the soil, the more groundings are needed.

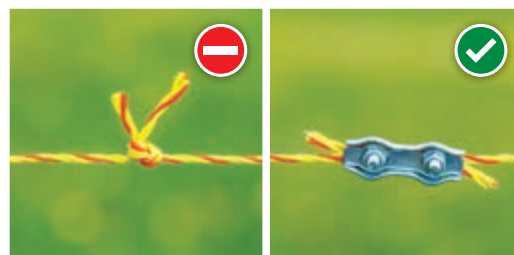


Non-recommended methods

Do not apply knots on the wire!

A common mistake is extending or connecting the electric fence wire through knots. The knot provides insecure contact over a very small area, so it will only work properly for a short time. Beware, the wire has only a few metal inserts that do not connect properly through a knot!

Only use special connectors for wire extension! These connectors provide a relatively large surface area for good electrical contact. They are also galvanized, so they are protected against corrosion.



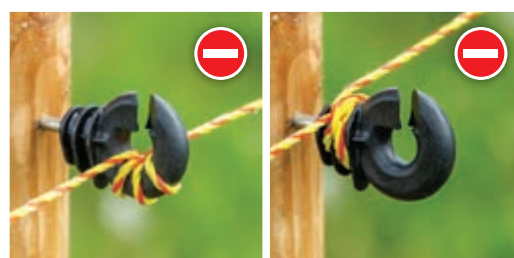
Do not apply knots on the wire!

Do not wind the wire on the insulator!

Winding the wire on the insulator in order to fix it securely is a very serious mistake. The result is just the opposite of what you might expect...

The wire must pass smoothly through all insulators along the fence, thus ensuring the following:

- The wire tension can be corrected at one end of the fence.
- If an animal or machinery strikes the fence, the length of the wire shall allow sufficient elasticity to prevent breakage of the wire or insulators. If the wire is twisted on the insulators, the elasticity of the fence segments is minimized, forcing of the wire leads to wire breakage, or damaged insulators.
- In rainy weather or at dawn, twisted electric fence wires can short-circuit the supporting post, resulting in a significant reduction in the efficiency of the electric fence.



Do not wind the wire on the insulator!

Do not use ring insulators at the corners

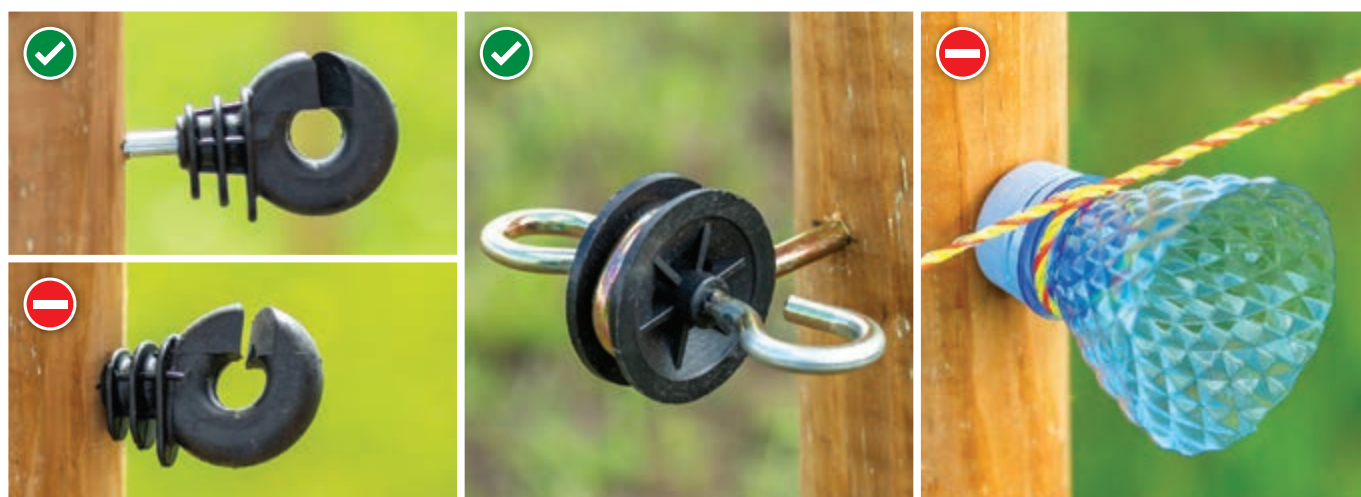


Insulators

Ring insulators used at a corner, or at the end of the fence will, sooner or later, break. Furthermore, a ring insulator used at the corner does not provide adequate flexibility to the wire.

Screw-bolt insulators should not be threaded all the way in. It is advisable to keep the fence wire as far away as possible from the post to prevent unwanted short-circuits.

Never use makeshift insulators. The savings on insulators are irrelevant compared to the potential damage caused by improper insulators. Loss of impulse energy due to makeshift insulators may easily cause escaped animals, which is a hugely more significant loss than some economy on relatively cheap insulators.



Electric fence energizer DL 3200



0222



The DL 3200 energizer is the perfect choice for fencing in or keeping out domestic or wild animals – dogs, sheep, goats, pigs, horses, cows, boars, deer, wolves, foxes, etc.

The DL 3200 is designed for enclosures up to 7000 m in length.

It can be powered from 230 V via a 12 V adapter or from a 12 V car accumulator (neither included in the package). A 12 V / 45 Ah car accumulator provides enough energy to power the unit for 12-16 days.

Technical specifications

Power supply voltage	12 V $\overline{\text{---}}$
Power consumption	110 mA
Maximum output voltage at 500 Ω load	7600 V
Maximum fence length	7000 m
Maximum stored energy	4.16 Joule
Maximum impulse energy	3.2 Joule
Degree of protection	IPX4
Dimensions	210 × 265 × 100 mm
Weight	1.75 kg

Electric fence energizer DL 4500



0223



The DL 4500 energizer is the perfect choice for fencing in or keeping out domestic or wild animals – sheep, goats, pigs, horses, cows, dogs, boars, deer, wolves, foxes, etc.

The DL 4500 is designed for enclosures up to 12000 m in length.

It can be powered from 230 V via a 12 V adapter or from a 12 V car accumulator (neither included in the package). A 12 V / 45 Ah car accumulator provides enough energy to power the unit for 7-14 days.

Technical specifications

Power supply voltage	12 V $\overline{\text{---}}$
Power consumption	170 mA
Maximum output voltage at 500 Ω load	8900 V
Maximum fence length	12000 m
Maximum stored energy	5.85 Joule
Maximum impulse energy	4.5 Joule
Degree of protection	IPX4
Dimensions	210 × 265 × 100 mm
Weight	1.95 kg



Electric fence energizer DL 7200

0224



The DL 7200 energizer is the perfect choice for fencing in or keeping out domestic or wild animals – horses, cows, dogs, boars, deer, bears, wolves, etc.

The DL 7200 is designed for enclosures up to 25000 m in length.

It can be powered from 230 V via a 12 V adapter or from a 12 V car accumulator (neither included in the package). A 12 V / 45 Ah car accumulator provides enough energy to power the unit for 5-10 days.

Technical specifications

Power supply voltage	12 V \equiv
Power consumption	300 mA
Maximum output voltage at 500 Ω load	9700 V
Maximum fence length	25000 m
Maximum stored energy	9.36 Joule
Maximum impulse energy	7.2 Joule
Degree of protection	IPX4
Dimensions	210 × 265 × 100 mm
Weight	2.55 kg

230/12 V mains adapter

0240



The 230/12 V adapter can be used to power the DL 3200, DL 4500 or DL 7200 electric fence energizers directly from the mains (purchase adapter separately). The output voltage is stabilized.

Input voltage	~100-240 V, 50 Hz
Output voltage	12 V
Output current	1 A
Short-circuit protection	Yes
Stabilized	Yes

Benefits of DL 3200, DL 4500, DL 7200

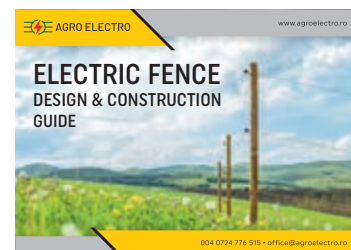
These devices are offered at manufacturer price, so do not contain the extra percentage charged by distributors.

High and stable power

We have developed an electronic circuit that efficiently produces powerful impulses at relatively low power consumption. The result is the ability to efficiently electrify fences up to 25 km long.

Gift: Electric Fence Design & Construction Guide

The booklet entitled “Electric Fence Design & Construction Guide” is included with each energizer. It provides rich information on the design and construction of electric fences. English language, 36 color pages.



Indicator lights

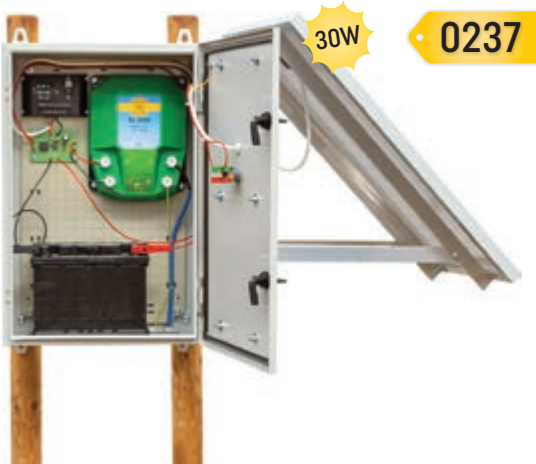
The devices are equipped with LEDs to check the power supply. The green LED confirms the presence of voltage. If the power supply voltage drops below 10.5 V (when the accumulator is discharging), the red LED lights up.

Compact electric fence energizer systems with DL 3200, DL 4500 and DL 7200



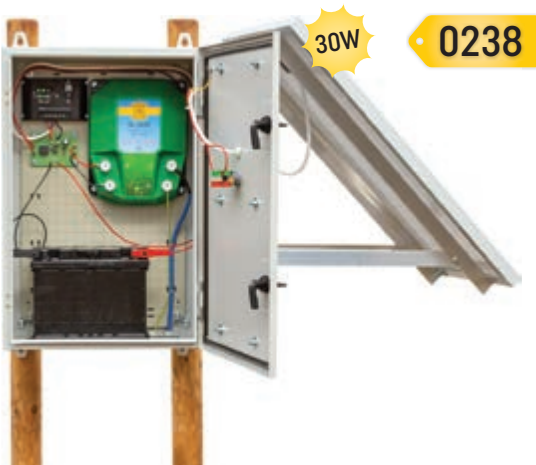
Compact electric fence energizer systems are the ideal solution for electric fences to be installed in places where there is no possibility to connect to the mains. The system has an autonomy of non-stop operation for several years. The system is very simple to install: it is fixed vertically on a wooden support with the solar panel facing south and the output wires connected to the grounding and the electric fence, respectively. The only requirement is to place away from objects that may shade the solar panel.

The system is rain and snow resistant. The box can be locked with an attached key.


0237

Compact energizer system DL 3200

The system consists of a DL 3200 impulse generator (3.2 Joule output), and a 30 W solar panel system + a charge controller. A 12 V car accumulator (min. 45 Ah, not included in the package) will be used to power the system.


0238

Compact energizer system DL 4500

The system consists of a DL 4500 impulse generator (4.5 Joule output), and a 30 W solar panel system + a charge controller. A 12 V car accumulator (min. 45 Ah, not included in the package) will be used to power the system.


0239

Compact energizer system DL 7200

The system consists of a DL 7200 impulse generator (7.2 Joule output), and a 50 W solar panel system + a charge controller. A 12 V car accumulator (min. 45 Ah, not included in the package) will be used to power the system.



ECO-compact electric fence energizer with solar panel 30 W



The compact electric fence energizer is a convenient and safe solution for the electrification of temporary or permanent electric fences in areas where there is no access to the 230 V mains.

The system can operate autonomously even for years, requiring minor interventions such as checking that the accumulator is working properly, regular cleaning of the solar panel and maintenance of the electric fence line.

The system is completely assembled in a box and contains all the necessary elements to operate independently from the 230 V electricity mains.



0562 • DL 3200 (3.2 Joule, 7 km)

0563 • DL 4500 (4.5 Joule, 12 km)

Advantages

- Robust box, resistant to moisture (rain, snow, splash water).
- On the outside, the system is equipped with a switch, which makes it easy to turn the electric fence on/off without having to open the box.
- The accumulator is continuously recharged by the solar panel.
- Over-voltage protection – disconnecting the accumulator in full sunlight can cause the voltage generated by the solar panel to increase, which can damage the energizer. The box includes an additional electronic circuit to protect against this.
- Moving the system (for the purpose of moving the temporary electric fence) is very easy, reassembly in another place is very simple.

System elements

- ❶ – Electric fence energizer.
- ❷ – Accumulator (not included).
- ❸ – Solar panel.
- ❹ – Charge controller.
- ❺ – Over-voltage protection circuit.
- ❻ – Electric fence on/off switch.
- Ⓐ – Impulse output cable (electric fence connection); Ⓑ – Grounding cable;
- Ⓒ – Accumulator positive pole clamp;
- Ⓓ – Accumulator negative pole clamp; Ⓔ – Solar panel connection cable;
- Ⓕ – Charge indicator;
- Ⓖ – Charge level indicator.

Installation

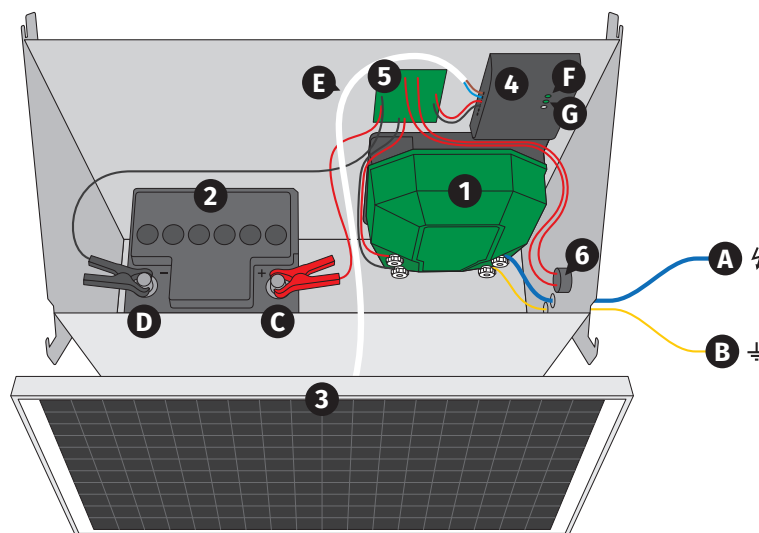
Mount the box in a place out of shade, near the electric fence, with the solar panel ❸ facing south. Create the grounding, connect the grounding cable to it Ⓑ, then connect the blue cable Ⓐ to the wires of the electric fence by using a connector.

Grounding

For proper operation, the system needs an adequate grounding. For grounding you can use an M12 threaded metal bar or an L-profile metal bar. Please note: the grounding bar is not included in the package!

Accumulator

For energy storage, use a 12 V accumulator (acid or gel) ❹. **Please note: the accumulator is not included in the package!** Do not use Ni-MH or Li-ion accumulators! Use an accumulator with at least 45 Ah capacity. The maximum capacity is determined by the size that fits in the system box.



Electric fence energizer DL 500



0228



The DL 500 energizer is the perfect choice for fencing in domestic animals – pigs, horses, cattle, dogs, poultry, etc.

The DL 500 is designed for enclosures up to 1000 m in length. It can be powered by the included 230/12 V mains adapter. It is also possible to power the device using a 12 V car accumulator, in which case you do not need the mains adapter.

Technical specifications

Power supply voltage	~12 V or ~230 V
Power consumption	57 mA
Maximum output voltage at 500 Ω load	8400 V
Maximum fence length	1000 m
Maximum stored energy	1 Joule
Maximum impulse energy	0.5 Joule
Degree of protection	IPX4
Dimensions	205 × 105 × 64 mm
Weight	0.65 kg

Electric fence energizer DL 250



0344



The DL 250 energizer is the perfect choice for fencing in domestic animals – sheep, goats, pigs, horses, cattle, dogs, etc.

The DL 250 is designed for enclosures up to 1000 m in length. The DL 250 can be powered by a special dry 9 V, 120 Ah or 175 Ah dry battery or a 12 V car accumulator (neither included in the package).

The device has two operating modes: extreme and ECO. In ECO mode the consumption of the appliance is lower, the energy of the impulses is lower.

Technical specifications

Power supply voltage	9-12 V ~
Power consumption	24 mA
Maximum output voltage at 500 Ω load	9400 V
Maximum fence length	1000 m
Maximum stored energy	0.5 Joule
Maximum impulse energy	0.25 Joule
Degree of protection	IPX4
Dimensions	150 × 235 × 280 mm
Weight	1.12 kg

Dry battery 9 V, 120 Ah

0343



Dry battery for supplying power to electric fence energizers. Warning: the battery is not rechargeable!

Voltage	9 V
Capacity	120 Ah
Dimensions	166 × 111 × 113 mm

Dry battery 9 V, 175 Ah

1025



Dry battery for supplying power to electric fence energizers. Warning: the battery is not rechargeable!

Voltage	9 V
Capacity	175 Ah
Dimensions	190 × 126 × 160 mm

AKO mains adapter, 230/13.8 V

0930



230/13.8 V mains adapter with special plug for AKO electric fence energizers.

Input	230 V, 50 Hz
Output	13.8 V, 800 mA
Stabilized	Yes

Mains adapter with transformer, 230/12 V

0014



230/12 V mains adapter with transformer for supplying power to DL 4000 energizer.

Input	230 V, 50 Hz
Output	12 V, 500 mA
Stabilized	Yes

AKO electric fence energizers



AKO Power N Series

AKO Power N energizers are suitable for fencing in or keeping out domestic or wild animals. The devices are powered by 230 V mains.

AKO Power N 1200



AKO Power N 3500



AKO Power N 4800



	N 1200	N 3500	N 4800
Consumption	5 W	7 W	7 W
Maximum output voltage	12500 V	11500 V	9000 V
Maximum fence length	2000 m	6000 m	8000 m
Maximum impulse energy	1.2 Joule	3.5 Joule	4.8 Joule

AKO Duo Power X Series

AKO Duo Power X energizers are suitable for fencing in or keeping out domestic or wild animals. The devices are powered by 230 V mains (via the included mains adapter), or by a 12 V, min. 45 Ah car accumulator.

AKO Duo Power X 1000



AKO Duo Power X 2500



AKO Duo Power X 4000



	X 1000	X 2500	X 4000
Power consumption	40-115 mA	75-193 mA	77-300 mA
Maximum output voltage	12000 V	9600 V	9600 V
Maximum fence length	1500 m	4000 m	12000 m
Maximum impulse energy	1 Joule	2.5 Joule	4 Joule

AKO electric fence energizers



AKO Power A Series

AKO Power A energizers are suitable for fencing in or keeping out domestic or wild animals. The devices are powered by a 12 V, min. 45 Ah car accumulator.

AKO Power A 2000



AKO Power A 3300



	A 2000	A 3300
Consumption	75-193 mA	114-320 mA
Maximum output voltage	9600 V	10200 V
Maximum fence length	4000 m	6000 m
Maximum impulse energy	2 Joule	3.3 Joule

AKO Power Profi Ni 10000, 230 V, 10 Joule

AKO Profi Ni 10000 energizer is designed for large fences with a maximum length of 80000 m.

The device operates exclusively on 230 V mains power supply (without adapter).



Power consumption	13 W
Maximum output voltage	10200 V
Maximum fence length	80000 m
Maximum impulse energy	10 Joule

AKO Power Station XDi 10000 digital, 10 Joule

AKO Power Station XDi 10000 energizer is designed for large fences with a maximum length of 80000 m. Power supply of the device can be realized in two ways:

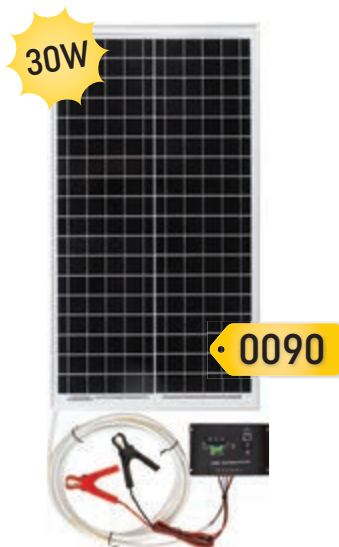
- By 230 V mains, via the included adapter.
- Using a 12 V, min. 45 Ah car accumulator.

In addition, a solar system can be connected to the device to ensure recharging of the accumulator.



Power consumption	240-820 mA
Maximum output voltage	10000 V
Maximum fence length	80000 m
Maximum impulse energy	10 Joule

Solar systems



Photovoltaic systems can be used in places where there is no possibility of connection to the mains electricity, primarily for the purpose of charging lead-acid accumulators.

These systems are supplied partially assembled. The accumulator is connected to the charge controller. The controller will indicate if the charge level of the accumulator is low. The accumulator can be used to power the electric fence energizer, or any low power 12 V DC consumer – telephone charger, 12/230 V inverter, LED bulb, etc.

Cell type	30 W, monocrystalline	50 W, monocrystalline	100 W, monocrystalline
Approximate dimensions*	650 × 350 × 25 mm	650 × 540 × 25 mm	840 × 670 × 30 mm
Charge controller	12 V, 10 A	12 V, 10 A	12 V, 10 A
Accumulator capacity	Max. 70 Ah	Max. 100 Ah	Max. 200 Ah
Connection cables	Panel → Controller: 5 m Controller → Accumulator: 1 m	Panel → Controller: 5 m Controller → Accumulator: 1 m	Panel → Controller: 5 m Controller → Accumulator: 1 m

* The dimensions may vary within ±15%.

Solar system charge controller

The charge controller controls the voltage and the current between the solar panel and the accumulator. This component is essential between the solar panel and the accumulator.

Operating voltage	12/24 V
Current	10 A
Dimensions	14 × 9 × 3 cm
Operating temperature	-20...+60 °C



12 V LED light bulb

Energy-saving bulb suitable for lighting. The use of LED bulbs is essential where power is supplied by an accumulator.

Power supply voltage	12 V, AC/DC
Power consumption	8 W
Socket type	E27
Brightness	800 lm, 4100 K





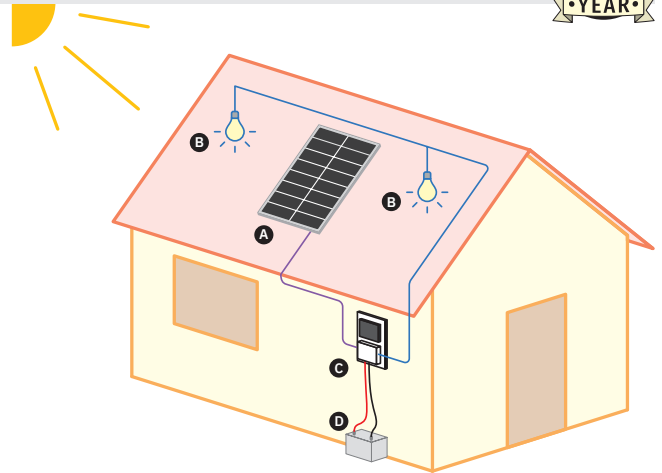
Solar lighting system

Photovoltaic lighting systems are a very efficient solution in places where there is no possibility of connection to the mains electricity, for example: cabins, caravans, sheepfolds.

The system is supplied partially assembled. Installation is very easy: the solar panel is positioned towards the south, tilted at 45 degrees. It can be attached through the holes on the aluminum frame.

A 12 V, 45-100 Ah car accumulator (not included in the package) will be used for energy storage. The accumulator is connected to the charge controller. Depending on the power of the accumulator and the number of bulbs, the system can run 4-8 hours per day.

In addition to the controller and light switch, the panel contains a cigarette lighter socket which can power any device suitable for use in the car – e.g. USB phone charger, 12/230 V inverter or FM music transmitter.



Example of installation

The solar panel **A** can be mounted on the roof of a building if one roof surface faces south.

The bulbs **B** can be placed anywhere by preference, provided they are protected from extreme humidity. Even if the bulbs are fully insulated, the contacts of the plugs will only last for a short time in excessively damp conditions.

The panel **C** shall be mounted in an accessible place but away from damp (rain, snow). Please note that the light switch is located on the panel, the car cigarette lighter socket can also be accessed from here (to charge a cell phone or to power an FM transmitter).

The car accumulator **D** (not included in the package) shall be placed near the control panel.

Technical specifications

Cables	Solar panel → controller: 5 m Controller → accumulator: 1.5 m Controller → bulbs: 5 m Bulb ↔ bulb: 5 m
Bulbs	12 V, 8 W, 650 lm, LED
Accumulator	12 V, 45–100 Ah Not included in the package!
Solar panel cells	Monocrystalline
Solar panel power	50 W

Please note: the warranty only covers the solar panel and the charge controller, bulbs are not included!

2-bulb system



0146-2

3-bulb system



0146-3

4-bulb system



0146-4

Electric fence wire – 11 Ω/m • 45 kg • 250/500 m


The wire is suitable for small enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	500 m
Diameter	2 mm
Breaking strength	45 kg
Electrical resistance	11 Ω/m
Metallic inserts	3 × 0.16 mm inox

Electric fence wire – 4.8 Ω/m • 65 kg • 250/400/1000 m


The wire is suitable for small and medium enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	500 m
Diameter	3 mm
Breaking strength	65 kg
Electrical resistance	4.8 Ω/m
Metallic inserts	6 × 0.16 mm inox

Electric fence wire – 0.45 Ω/m • 90 kg • 250/500 m


The wire is suitable for small, medium and large enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	9000 m
Diameter	3 mm
Breaking strength	90 kg
Electrical resistance	0.45 Ω/m
Metallic inserts	3 × 0.2 mm inox 1 × 0.25 mm copper

Electric fence wire – 0.4 Ω/m • 130 kg • 500/1000 m



The wire is suitable for small, medium and large enclosures, for domestic and/or wild animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	10000 m
Diameter	3 mm
Breaking strength	130 kg
Electrical resistance	0.4 Ω/m
Metallic inserts	5 × 0.2 mm inox 1 × 0.25 mm copper

Electric fence wire – 0.11 Ω/m • 130 kg • 500/1000 m



The wire is suitable for small, medium and large enclosures, for domestic and/or wild animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	20000 m
Diameter	3 mm
Breaking strength	130 kg
Electrical resistance	0.11 Ω/m
Metallic inserts	3 × 0.2 mm inox 3 × 0.25 mm copper

Electric fence wire – 0.45 Ω/m • 100 kg • 250/500/1000 m



The wire is suitable for small, medium and large enclosures, for domestic and/or wild animals.

It can be used for temporary or seasonal fencing.

Maximum fence length	9000 m
Diameter	3 mm
Breaking strength	100 kg
Electrical resistance	0.45 Ω/m
Metallic inserts	3 × 0.2 mm inox 2 × 0.25 mm HPWA

Braided electric fence wire - 0.09 Ω/m • 150 kg • 200 m


The wire is suitable for medium and large fencing, for domestic and wild animals. The wire is suitable for both permanent and temporary fencing.

The structure of the wire is not the usual one, compared to other wires on the market, it has a braided structure. Due to its tangle-free characteristic, braided wire is recommended for temporary, frequently moved systems.

Maximum fence length	25000 m
Diameter	3 mm
Breaking strength	150 kg
Electrical resistance	0.09 Ω/m
Metallic inserts	6 × 0.2 mm SS 3 × 0.25 mm Cu

Electric fence rope - 0.33 Ω/m • 330 kg • 400 m


The rope is suitable for small, medium and large fencing, for large domestic and/or wild animals.

It can be used for permanent or temporary fencing. The important feature of the rope is its high breaking strength – it does not easily break if a large animal forces the fence.

Maximum fence length	12000 m
Diameter	4 mm
Breaking strength	330 kg
Electrical resistance	0.33 Ω/m
Metallic inserts	6 × 0.3 mm zinc

Electric fence rope - 2.3 Ω/m • 590 kg • 200/500 m


The rope is suitable for small, medium and large fencing, for large domestic and/or wild animals.

It can be used for permanent or temporary fencing. The important feature of the rope is its high breaking strength – it does not easily break if a large animal forces the fence.

Maximum fence length	6000 m
Diameter	6 mm
Breaking strength	590 kg
Electrical resistance	2.3 Ω/m
Metallic inserts	3 × 0.4 mm inox

Electric fence rope - 0.4 Ω/m • 590 kg • 200/500 m



The rope is suitable for small, medium and large fencing, for large domestic and/or wild animals.

It can be used for permanent or temporary fencing. The important feature of the rope is its high breaking strength – it does not easily break if a large animal forces the fence.

Maximum fence length	10000 m
Diameter	6 mm
Breaking strength	590 kg
Electrical resistance	0.4 Ω/m
Metallic inserts	5 × 0.2 mm inox 1 × 0.25 mm copper

Electric fence tape 10 mm - 11 Ω/m • 60 kg • 200/500 m



The tape is suitable for small and medium enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	400 m
Width	10 mm
Breaking strength	60 kg
Electrical resistance	11 Ω/m
Metallic inserts	3 × 0.16 mm inox

Electric fence tape 20 mm - 9 Ω/m • 90 kg • 200/500 m



The tape is suitable for small and medium enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	400 m
Width	20 mm
Breaking strength	90 kg
Electrical resistance	9 Ω/m
Metallic inserts	4 × 0.16 mm inox

Electric fence tape 40 mm – 3.8 Ω/m • 120 kg • 200/500 m


The tape is suitable for small and medium enclosures, for domestic and/or wild animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	2400 m
Width	40 mm
Breaking strength	120 kg
Electrical resistance	3.8 Ω/m
Metallic inserts	8 × 0.16 mm inox

Electric fence tape 10 mm – 0.45 Ω/m • 60 kg • 200/500 m


The tape is suitable for small and medium enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	9000 m
Width	10 mm
Breaking strength	60 kg
Electrical resistance	0.45 Ω/m
Metallic inserts	3 × 0.2 mm inox, 1 × 0.25 mm copper

Electric fence tape 20 mm – 0.4 Ω/m • 90 kg • 200/500 m


The tape is suitable for small, medium and large enclosures, exclusively for domestic animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	10000 m
Width	20 mm
Breaking strength	90 kg
Electrical resistance	0.4 Ω/m
Metallic inserts	4 × 0.2 mm inox, 1 × 0.25 mm copper

Electric fence tape 40 mm - 0.38 Ω/m • 120 kg • 200/500 m



The wire is suitable for small, medium and large enclosures, for domestic and/or wild animals.

It can be used for temporary or seasonal fencing. Important features of the tape are its good visibility and high elasticity.

Maximum fence length	11000 m
Width	40 mm
Breaking strength	120 kg
Electrical resistance	0.38 Ω/m
Metallic inserts	5 × 0.2 mm inox, 1 × 0.25 mm copper

Steel wire 1.6 mm - 0.12 Ω/m • 200 kg • 200/400/1000 m



Steel wire is particularly suitable for permanent electric fencing. The material is protected against corrosion by galvanizing. Due to its mechanical and electrical properties, it is best suited for permanent electric fencing.

Maximum fence length	13000 m
Diameter	1.6 mm
Breaking strength	200 kg
Electrical resistance	0.12 Ω/m
Strands	7

Galvanized steel wire for electric fence - 0.035 Ω/m • 650 kg • 625 m



Galvanized steel wire, suitable for permanent electric fencing.

Due to its low resistance, it conducts electric current very well over long distances without significant loss.

The material is protected against corrosion by galvanization.

Diameter	2.5 mm
Breaking strength	650 kg
Electrical resistance	0.035 Ω/m
Strands	1

Tensioner for 1.6 mm wire

0172

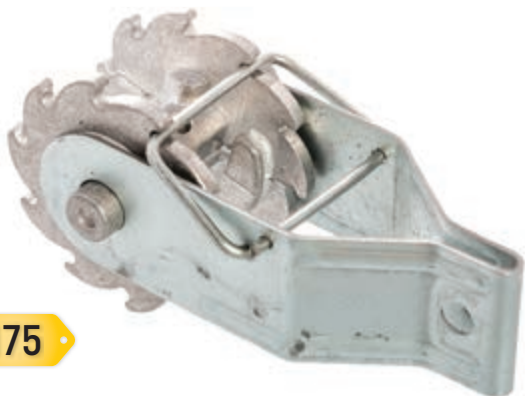


Tensioning device with automatic locking system. Recommended for 1.6 mm diameter electric fence wire.

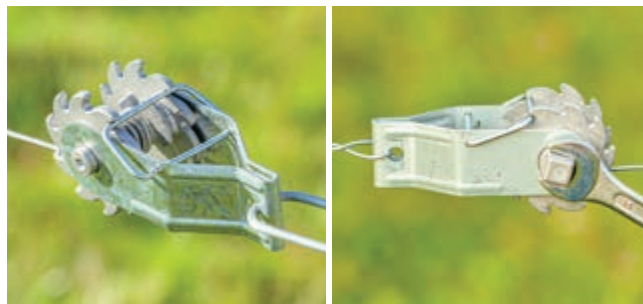


Ratchet wire tensioner

0175



Robust ratchet tensioning device with locking/unlocking system. Suitable for wire diameter 1.6...2.5 mm.



Tensioning spring for 1.6 mm wire

Tensioning spring for electric fence wire of max. 1.6 mm. Used for permanent fencing to compensate for expansion caused by temperature variations.

0126



Diameter: 20 mm
Length: 130/185 mm

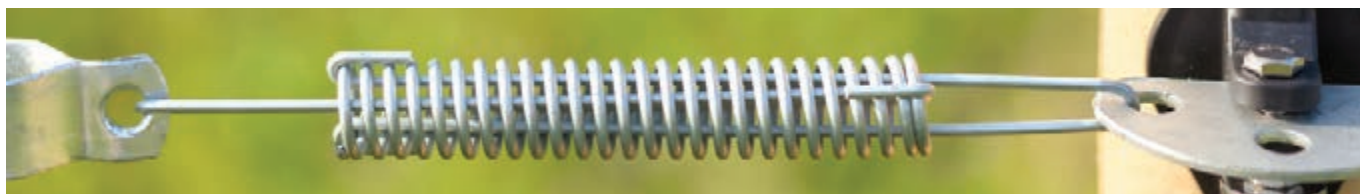
Tensioning spring for 2.5 mm wire

Tensioning spring for electric fence wire of max. 2.5 mm. Used for permanent fencing to compensate for expansion caused by temperature variations.

0174



Diameter: 40 mm
Length: 250/330 mm



Rotating wire tensioner

0837



Device for adjusting the tensing degree of the permanent electric fence wire. Can be mounted without removing the wire.



Tensioning arm for rotating wire tensioner

0838



Indispensable tool when constructing permanent electric wire fences. Used to adjust the wire tension with the rotating wire tensioner.



Wire dispenser

0836



The wire dispenser makes it extremely easy to install the wire of the permanent electric fence. Effectively prevents unwanted twisting of the wire.



Reel 32 × 15 cm with sole and strap

Reel to store the electric fence wire while moving the fence or during storage.

Capacity: approx. 2000 m of 3 mm thick electric fence wire.

0193



Reel 32 × 15 cm

Reel to store the electric fence wire while moving the fence or during storage.

Capacity: approx. 2000 m of 3 mm thick electric fence wire.

0105-2



M12 threaded metallic rod for grounding

0088



Galvanized, threaded metallic rod for grounding the electric fence system. With M12 thread and two nuts. Length: 1 m.



L-profile metallic rod for grounding

0088-1



L-profile 20 × 20 mm galvanized metallic rod for grounding the electric fence system. With M6 screw for connection. Length: 1 m.

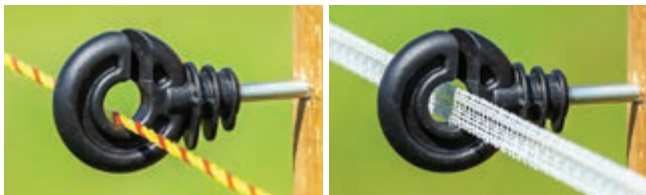


Ring insulator with wood screw

The most commonly used insulator, recommended for wooden structures. 25 pcs./pack.

0074

25 pcs.

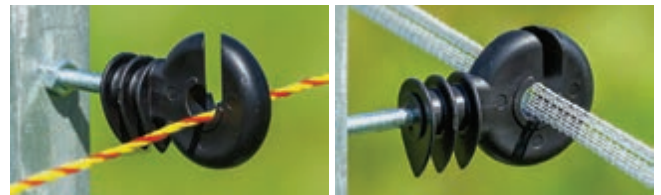


Ring insulator with M6 metric screw

Insulator with M6 metric thread, recommended for metal posts and structures.

0124

1 pc.

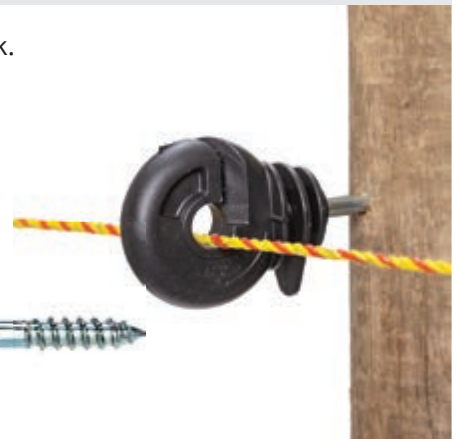


Reinforced ring insulator

Reinforced ring insulator, recommended for wooden structures. 25 pcs./pack.
The plastic ring is reinforced internally by the extension of the metal screw.

0794

25 pcs.



Ring insulator set 100 pieces + gift

Ring insulator for wooden structures. Set of 100 pcs./box + free drill chuck.

100 pcs.

0196

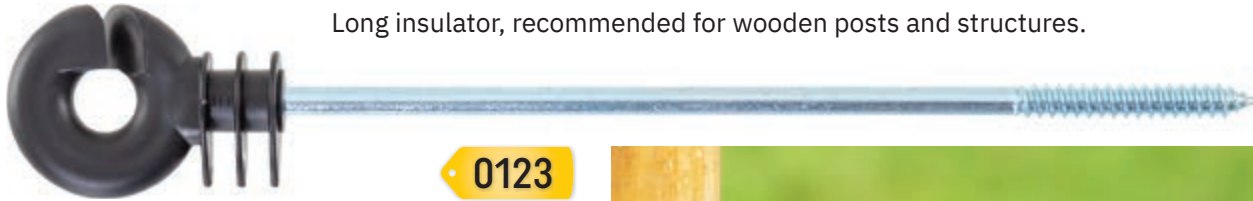


×100

×1



Long ring insulator with wood screw - 260 mm



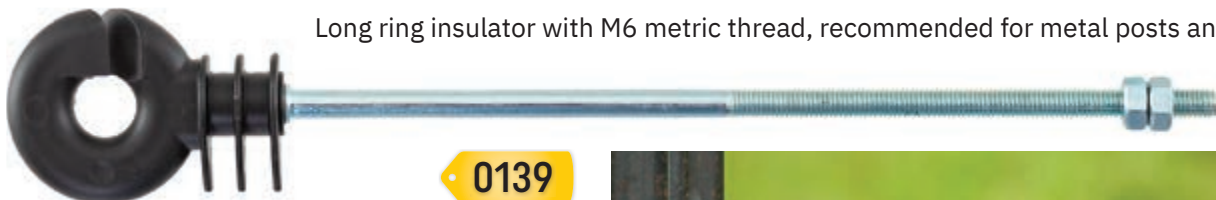
1 pc.

Max. 6 mm

Max. 10 mm



Long ring insulator with M6 metric screw - 245 mm



1 pc.

Max. 6 mm

Max. 10 mm



Tape insulator with wood screw

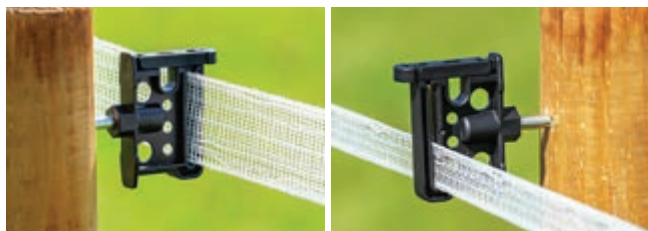
Tape insulator, recommended for wooden posts and structures. 25 pcs./pack.

0094



25 pcs.

Max. 40 mm



Tape insulator with M6 screw

Insulator with M6 metric thread, recommended for metal posts and structures.

0153



1 pc.

Max. 40 mm



Ring insulator for metal posts

Ring insulator, recommended for metal posts with a maximum diameter of 15 mm. 10 pcs./pack.



10 pcs.

0883



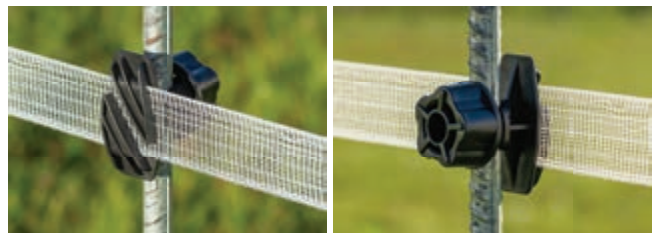
Tape insulator for metal posts

Tape insulator, recommended for metal posts with a maximum diameter of 15 mm. 10 pcs./pack.



10 pcs.

0834



Corner insulator with wood screw

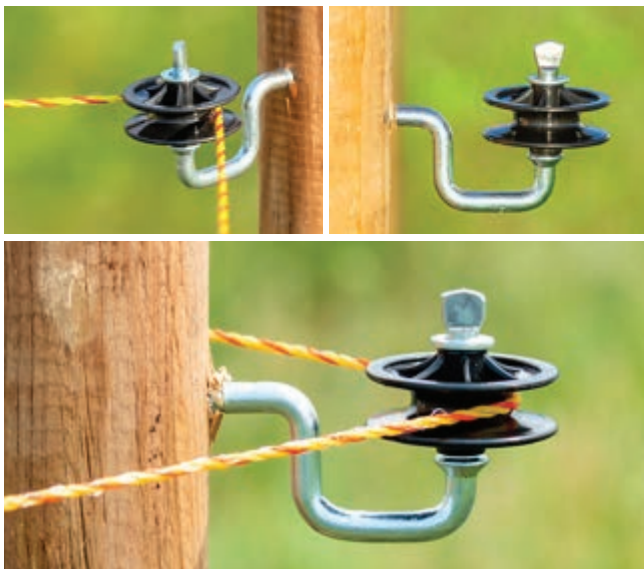
Corner insulator for wooden posts and structures. Its robust construction ensures adequate rigidity at corners and ends of the electric fence.



1 pc.



0106



Corner insulator with M6 screw

Corner insulator for metal posts and structures. Its robust construction ensures adequate rigidity at corners and ends of the electric fence.



1 pc.



0165



Gate insulator with wood screw

Special insulator for setting up gates. Its robust construction ensures proper rigidity at the ends of the gates.

0072



Gate insulator with M6 screw

Special insulator for setting up gates. Its robust construction ensures proper rigidity at the ends of the gates.

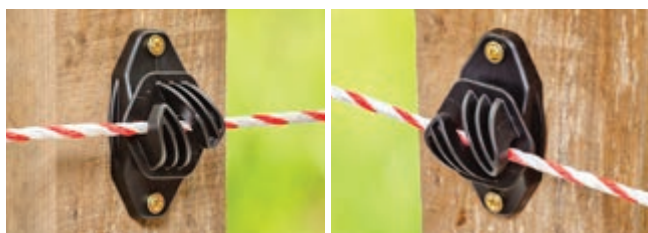
0166



Insulator for permanent electric fence

Insulator for permanent electric fences, suitable for wire, rope or metallic wire of max. 6 mm diameter.

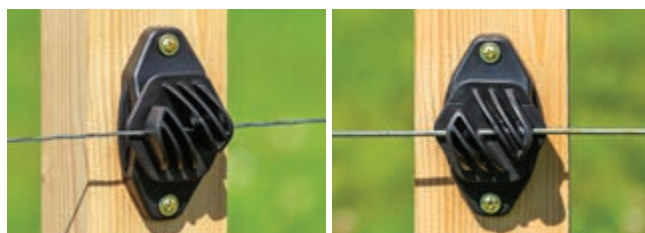
0868



Insulator for permanent electric fence

Insulator for permanent electric fences, suitable for metallic wire of max. 2.5 mm diameter.

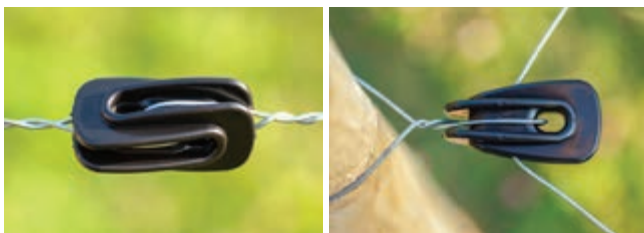
0796



Corner insulator for permanent fence

The perfect insulator for permanent electric fence corners or ends.

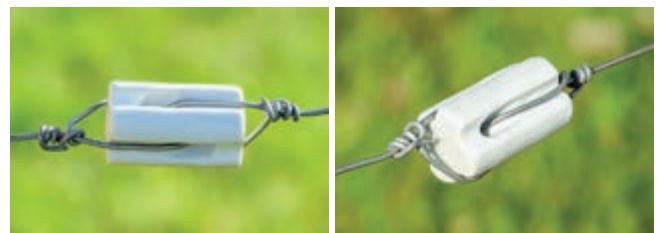
0095



Porcelain corner and end insulator

The perfect insulator for permanent electric fence corners or ends.

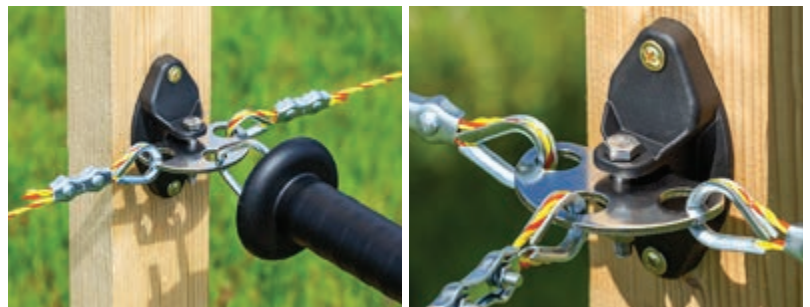
0920



Gate insulator for permanent fence

Insulator mainly recommended for permanent electric fences. Used for fixing the gate handle. With three anchor points.

0168



Drill chuck for insulators

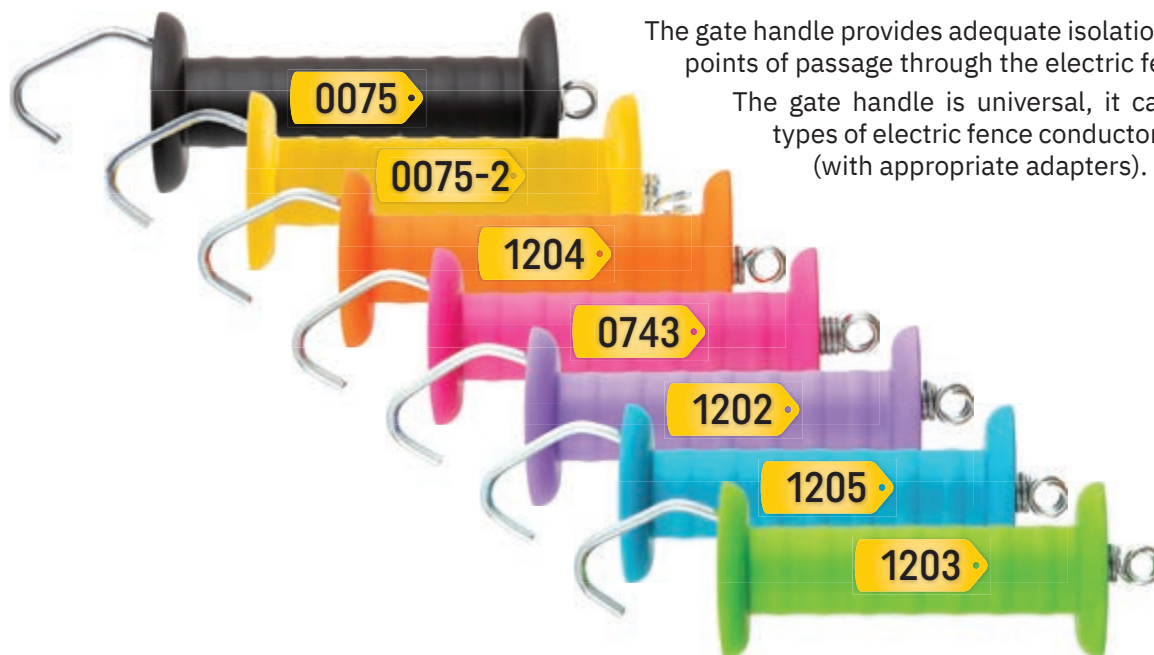
It is compatible with most insulators on the market. Its hexagonal socket fits perfectly into a cordless screwdriver.



0100



Universal gate handle, type 1, 7 colors



The gate handle provides adequate isolation for people at the points of passage through the electric fence.

The gate handle is universal, it can be used for all types of electric fence conductor – wire, rope, tape (with appropriate adapters).

Universal gate handle, type 2



The gate handle provides adequate isolation for people at the points of passage through the electric fence.

The gate handle is universal, it can be used for all types of electric fence conductor – wire, rope, tape (with appropriate adapters).

Gate handle for 10 mm wide tape



Gate handle with special connector for max. 10 mm wide tape.

Gate handle for 20 mm wide tape



Gate handle with special connector for max. 20 mm wide tape.

Gate handle for 40 mm wide tape



Gate handle with special connector for max. 40 mm wide tape.

Gate handle set with 5 m spring and 2 insulators

The gate built with this set can easily be used where frequent passage through the electric fence system with agricultural machinery or livestock is required.

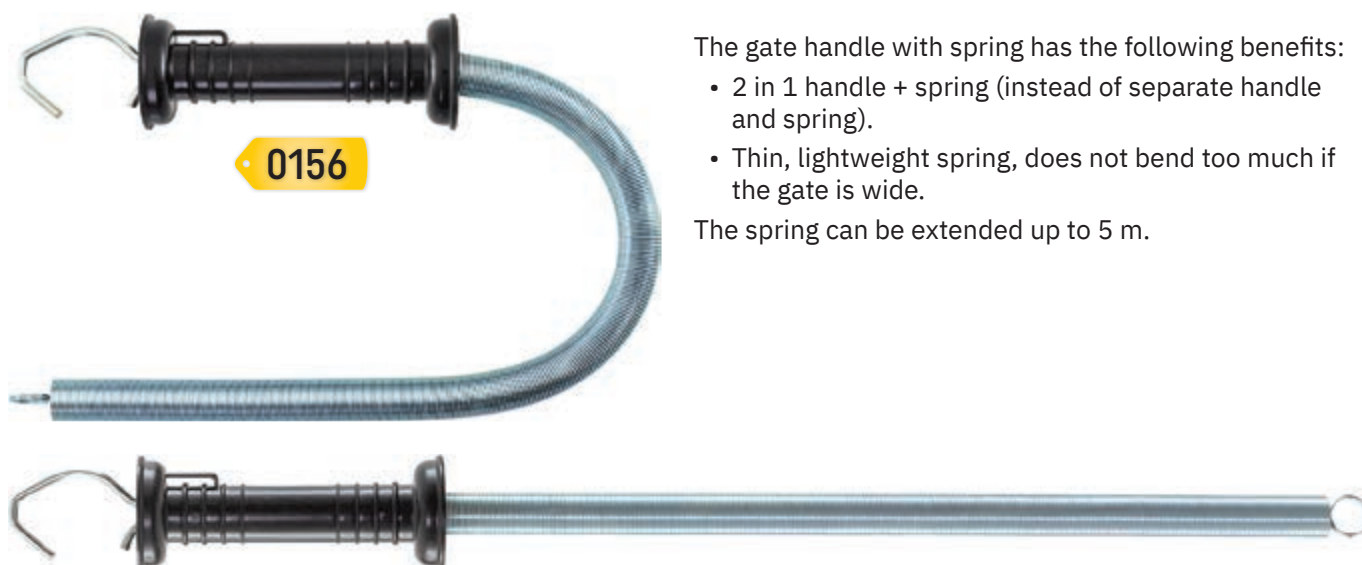
The set contains all the necessary elements for building a gate. The spring can be extended up to 5 m.

0104



Gate handle with 5 m spring

0156



The gate handle with spring has the following benefits:

- 2 in 1 handle + spring (instead of separate handle and spring).
- Thin, lightweight spring, does not bend too much if the gate is wide.

The spring can be extended up to 5 m.

5 m spring for electric fence gate

Electric fence gate spring. To be used together with a universal gate handle.

The spring can be extended up to 5 m.

0155

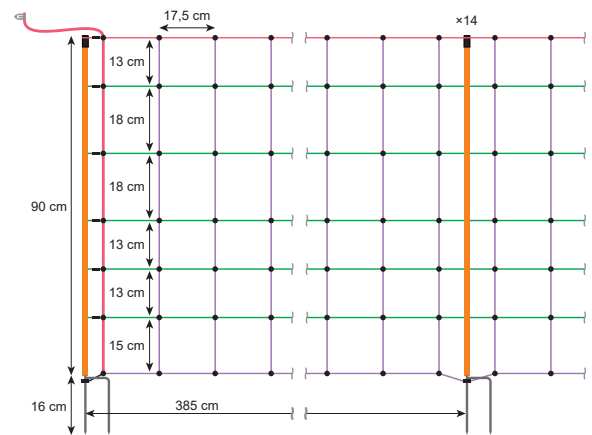


Electric fence net 50 m × 90 cm



The net is ideal for small animals – sheep, dogs, pigs, chickens, etc. The net can be used especially for temporary electric fences, since it can be easily moved. Plastic posts are included in the kit.

Length	50 m
Height	90 cm
Electrical resistance	0.27 Ω/m
Metallic inserts	Upper wire - 5 Intermediary wires - 3
Insert material	Stainless steel
Insert diameter	0.2 mm

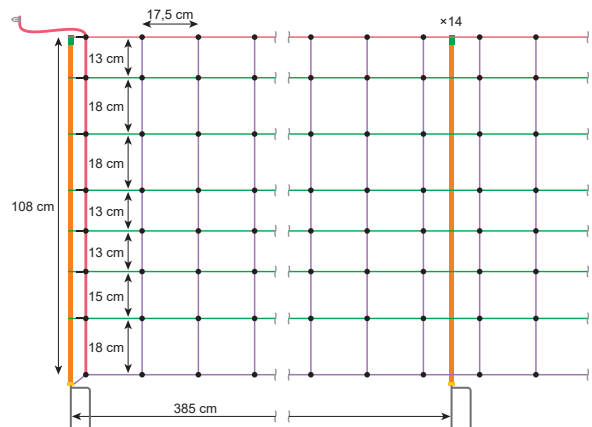


Electric fence net 50 m × 108 cm



The net is ideal for small animals – sheep, dogs, pigs, chickens, etc. The net can be used especially for temporary electric fences, since it can be easily moved. Plastic posts are included in the kit.

Length	50 m
Height	108 cm
Electrical resistance	0.27 Ω/m
Metallic inserts	Upper wire - 5 Intermediary wires - 3
Insert material	Stainless steel
Insert diameter	0.2 mm

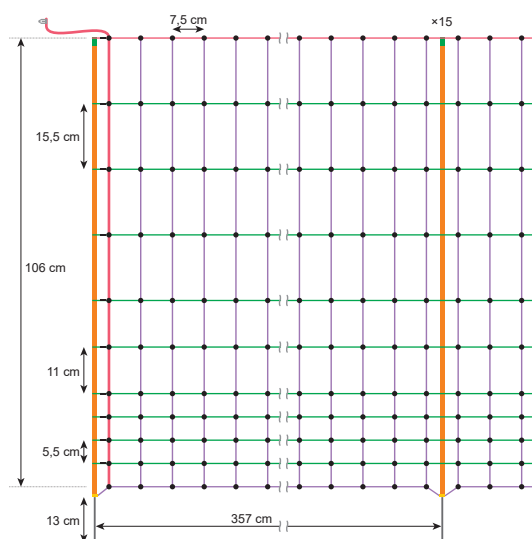


Electric fence net for poultry, 50 m × 106 cm



The net is ideal for small animals – sheep, dogs, pigs, chickens, etc. The net can be used especially for temporary electric fences, since it can be easily moved. Plastic posts are included in the kit.

Length	50 m
Height	106 cm
Electrical resistance	0.77 Ω/m
Metallic inserts	3 × 0.2 mm, inox

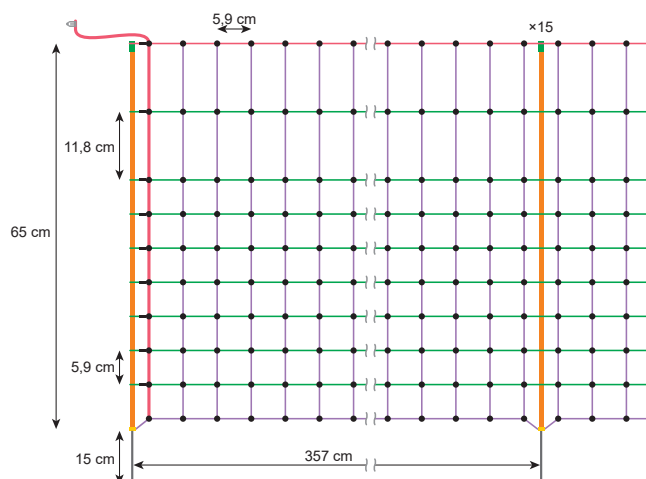


Electric fence net for rabbits, 50 m × 65 cm



The net is ideal for small animals – rabbits, chickens, geese, turkeys, etc. The net can be used especially for temporary electric fences, since it can be easily moved. Plastic posts are included in the kit.

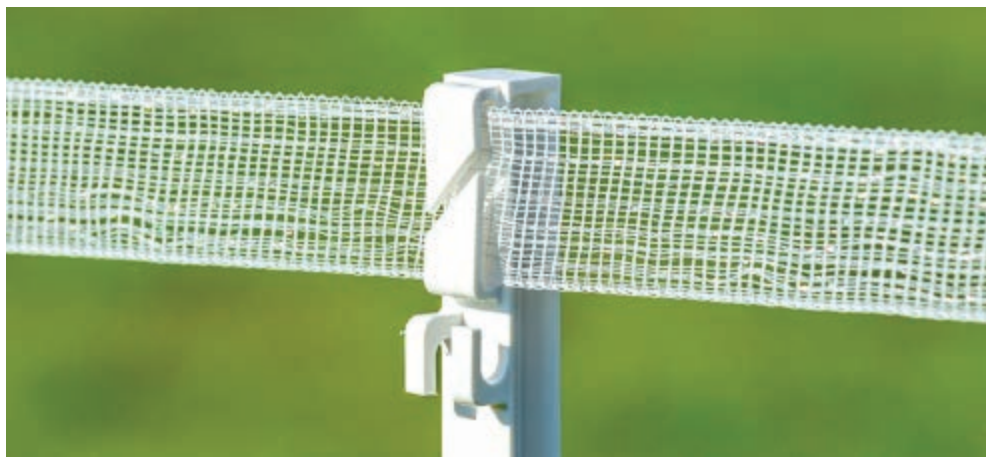
Length	50 m
Height	65 cm
Electrical resistance	0.86 Ω/m
Metallic inserts	3 × 0.2 mm, inox



Plastic post

This plastic fence post is ideal for temporary electric fencing systems designed for enclosing domestic animals.

At the bottom of the post there is a steel spike that can be driven into the ground. There is no need for separate insulators when using these posts. The electric fence wire can be installed at different heights.



156 cm variant →

0192

0144

105 cm variant ↓



Energizer power supply cable, type 1

The power supply cable is 1 m long and is made of 1.5 mm² copper wire.

One end of the wire is fitted with crocodile clips that connect to the accumulator terminals. The other end is fitted with Ø6 ring lugs for connection with the impulse generator.

0086



Energizer-fence connection cable

The connection cable is 1 m long and made of copper wire with a cross-section of 1.5 mm².

The yellow wire provides the connection between the impulse generator and the fence, while the yellow-green wire provides the connection between the impulse generator and the grounding.

0087



Energizer power supply cable, type 2

The power supply cable is 1 m long and is made of 1.5 mm² copper wire.

One end of the wire is fitted with crocodile clips that connect to the accumulator terminals. The other end is fitted with Ø6 mm ring lugs for connection with the impulse generator.

0227



Connection cable for multiple groundings

Connection cable for multiple grounding. The cable is designed especially for groundings created with M12 threaded metal rods – fitted with one Ø13 mm ring lug on both ends.

0570



Impulse output cable

The impulse output cable is 1 m long and is made of 1 mm² copper wire. The special connector is designed to create easy but secure connection to the electric fence wire or tape.

0177



The end fitted with a Ø8 mm ring lug has to be connected to the energizer.

High-voltage cable

Specially insulated cable designed to carry high-voltage of the electric fence, especially underground. It is ideal for energizer-fence connection. Sold in quantities of 25, 50 or 100 m.

0111



Wire diameter: 1.5 mm
Cable diameter: 8 mm

Special insulated cable for energizer to fence connection

Connection cable electric fence energizer + fence, for carrying high voltage impulses. The cable can touch any ground object – posts, buildings, trees, etc., or can also be routed underground.

One end of the cable is fitted with a ring lug which fits perfectly onto an M6 screw.



Electric fence cut-out switch

The switch is the ideal element to turn off/on the high voltage in a portion of the electric fence without stopping the impulse generator.

The switch allows you to simultaneously control the operation of two separate sections of the electric fence.



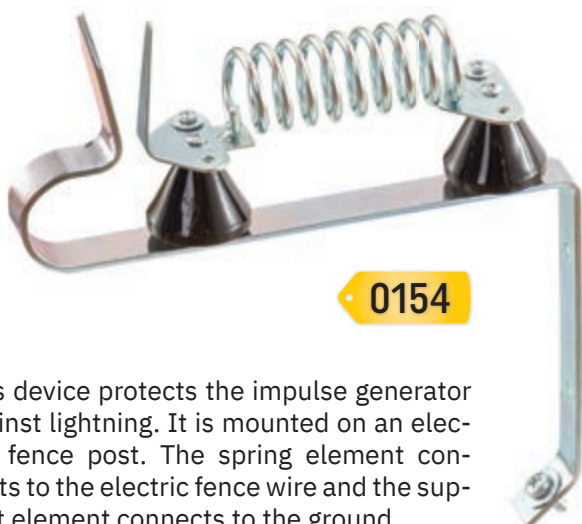
Warning sign

All sections of an electric fence to be installed along streets or public roads must be marked at 5-20 m intervals with warning signs.

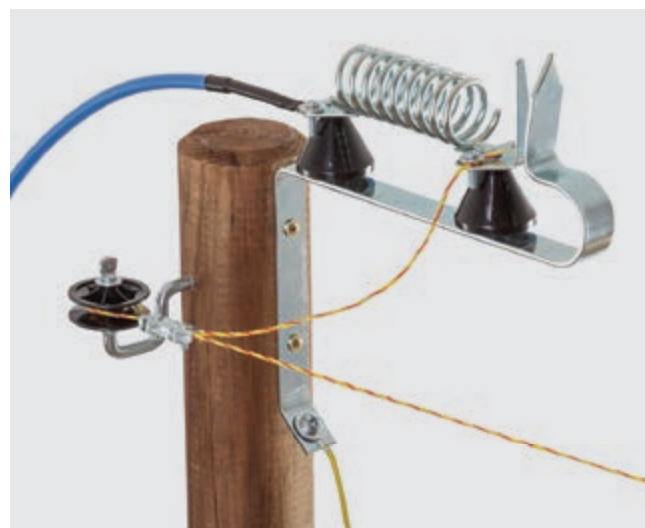
The warning signs shall be mounted on the wire of the electric fence using the collars included in the package.



Lightning protection for electric fence



This device protects the impulse generator against lightning. It is mounted on an electric fence post. The spring element connects to the electric fence wire and the support element connects to the ground.



Connector for 2-4 mm wire

0109



5 pcs.

Special element for connecting or extending 2-4 mm thick electric fence wire.

Sold in packs of 5 pieces.



Gate connector kit for 2-4 mm wire

0125



2 sets

Pair of connectors for connecting 2-4 mm thick electric fence wire to the insulator or gate handle. Sold in packs of 2 sets.



Rope connector 4-6 mm, single

0119



1 pc.

Special element for connecting or extending 4-6 mm thick rope.



Rope connector 4-6 mm, double

0118



1 pc.

Special element for connecting or extending 4-6 mm thick rope.



Ring connector for 4-6 mm rope

0138



1 pc.

Element for connecting 4-6 mm thick rope to the tensioning spring, gate insulator or gate handle.



Connector for 10-12 mm tape

0120



1 pc.

Special element for connecting or extending 10 mm wide electric fence tapes.



Connector for 20 mm tape

0107



5 pcs.

Special element for connecting or extending 20 mm wide electric fence tapes.



Connector for 40 mm tape

0108



1 pc.

Special element for connecting or extending 40 mm wide electric fence tapes.



Tester 2.5-8 kV, without grounding

Device for testing and measuring voltage between 2500 and 8000 V. The tester operates without grounding, with a 9 V battery (included in the package).



0073-1

Tester 1-10 kV, model 2023

Device for measuring and testing high voltage. Measuring range: 1000-10000 V, in 2000 V steps. The instrument can be operated without a power source. During the measurement, the grounding spike is inserted into the ground, while the hook of the instrument is hung on the electric fence wire.



1074

Tester 1-10 kV

Device for measuring and testing high voltage. Measuring range: 1000-10000 V. The instrument can be operated without a power source. During the measurement, the grounding spike is inserted into the ground, while the hook of the instrument is hung on the electric fence wire.



0073

Digital tester 3-18 V and 500-13000 V

Multi-functional voltmeter-tester for measuring low and high voltages:

- DC voltage between 3 and 18 V.
- High voltage between 500 and 13000 V.

The tester is powered by an included 9 V battery.



1219

Wireless digital tester with sound

Digital tester for measuring the high voltage in the electric fence and discovering breaks or shorts in the electric fence wire. Wireless, sound signaling. Measuring range: 1000-10000 V.



1220

Voltage indicator

Device for indicating the presence of impulses in the electric fence wire/tape – it allows you to visually observe, from a distance, whether the electric fence is working, or whether it has the required minimum voltage of 3000 V.



0802



Cow milking machine, with 1 inox bucket 25 liters, eco



0583

Portable cow milking machine, with one inox 25 liters bucket, pulsator 60/40, vacuum pump 200 liters/minute, without a vacuum tank.

Technical specifications

Bucket	1 × 25 liters, inox
Milking cluster	1 cluster, for cows, 200 cm ³
Pulsator	1 pc., 60/40, 60 pulses/minute
Vacuum pump	200 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	No vacuum tank
Weight	46.6 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 1 inox bucket 30 liters



0584

Portable cow milking machine, with one inox 30 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, inox
Milking cluster	1 cluster, for cows, 240 cm ³
Pulsator	1 pc., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	57.2 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 2 clusters, 1 inox bucket 40 liters



0585

Portable cow milking machine, with 2 milking clusters and one inox 40 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters
Milking cluster	2 clusters, for cows, 240 cm ³
Pulsators	2 pcs., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	62.7 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 2 clusters, 2 inox buckets 30 liters



0586

Portable cow milking machine, with 2 milking clusters and 2 inox 30 liters buckets, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Buckets	2 × 30 liters, inox
Milking clusters	2 clusters, for cows, 240 cm ³
Pulsators	2 pcs., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	72.2 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 2 clusters, 1 inox bucket 25 liters, eco



0587

Portable sheep milking machine, with 2 milking clusters and 1 inox 25 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, without a vacuum tank.

Technical specifications

Bucket	1 × 25 liters, inox
Milking clusters	2 clusters, for sheep
Pulsator	1 pc., 50/50, 120 pulses/minute
Vacuum pump	200 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	No vacuum tank
Weight	46.25 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 2 clusters, 1 inox bucket 30 liters



0588

Portable sheep milking machine, with 2 milking clusters and 1 inox 30 liters bucket, pulsator 50/50, vacuum pump 200 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, inox
Milking clusters	2 clusters, for sheep
Pulsator	1 pc., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	56.2 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 4 clusters, 1 inox bucket 40 liters



0589



Portable sheep milking machine, with 4 milking clusters and 1 inox 40 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters, inox
Milking clusters	4 clusters, for sheep
Pulsators	2 pcs., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	62.4 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 4 clusters, 2 inox bucket 30 liters



0590



Portable sheep milking machine, with 4 milking clusters and 2 inox 30 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Buckets	2 × 30 liters, inox
Milking clusters	4 clusters, for sheep
Pulsators	2 pcs., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	70.9 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 1 aluminum bucket 25 liters, eco



0591



Portable cow milking machine, with one aluminum 25 liters bucket, pulsator 60/40, vacuum pump 200 liters/minute, without a vacuum tank.

Technical specifications

Bucket	1 × 25 liters, aluminum
Milking cluster	1 cluster, for cows, 200 cm ³
Pulsator	1 pc., 60/40, 60 pulses/minute
Vacuum pump	200 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	No vacuum tank
Weight	45.85 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 1 aluminum bucket 30 liters



0592

Portable cow milking machine, with one aluminum 30 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, aluminum
Milking cluster	1 cluster, for cows, 240 cm ³
Pulsator	1 pc., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	56.3 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 2 clusters, 1 aluminum bucket 40 liters



0593

Portable cow milking machine, with 2 milking clusters and one aluminum 40 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters, aluminum
Milking cluster	2 clusters, for cows, 240 cm ³
Pulsators	2 pcs., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	61.3 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Cow milking machine, with 2 clusters, 2 aluminum buckets 30 liters



0594

Portable cow milking machine, with 2 milking clusters and 2 aluminum 30 liters buckets, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Buckets	2 × 30 liters, aluminum
Milking clusters	2 clusters, for cows, 240 cm ³
Pulsators	2 pcs., 60/40, 60 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	70.4 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 2 clusters, 1 aluminum bucket 25 liters, eco



0595

Portable sheep milking machine, with 2 milking clusters and 1 aluminum 25 liters bucket, pulsator 50/50, vacuum pump 200 liters/minute, without a vacuum tank.

Technical specifications

Bucket	1 × 25 liters, aluminum
Milking clusters	2 clusters, for sheep
Pulsator	1 pc., 50/50, 120 pulses/minute
Vacuum pump	200 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	No vacuum tank
Weight	45.5 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 2 clusters, 1 aluminum bucket 30 liters



0596

Portable sheep milking machine, with 2 milking clusters and 1 aluminum 30 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, aluminum
Milking clusters	2 clusters, for sheep
Pulsator	1 pc., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	55.3 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 4 clusters, 1 aluminum bucket 40 liters



0597

Portable sheep milking machine, with 4 milking clusters and 1 aluminum 40 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters, aluminum
Milking clusters	4 clusters, for sheep
Pulsators	2 pcs., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	59.9 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Sheep milking machine, with 4 clusters, 2 aluminum bucket 30 liters



0598



Portable sheep milking machine, with 4 milking clusters and 2 aluminum 30 liters bucket, pulsator 50/50, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Buckets	2 × 30 liters, aluminum
Milking clusters	4 clusters, for sheep
Pulsators	2 pcs., 50/50, 120 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	69.1 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Goat milking machine, with 2 clusters, 1 inox bucket 30 liters



0936



Portable goat milking machine, with 2 milking clusters and 1 inox 30 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, inox
Milking clusters	2 clusters, for goats
Pulsator	1 pc., 60/40, 90 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	55.4 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Goat milking machine, with 2 clusters, 1 aluminum bucket 30 liters



0937



Portable goat milking machine, with 2 milking clusters and 1 aluminum 30 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 30 liters, aluminum
Milking clusters	2 clusters, for goats
Pulsator	1 pc., 60/40, 90 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	54.3 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Goat milking machine, with 4 clusters, 1 inox bucket 40 liters


0938

Portable goat milking machine, with 4 milking clusters and 1 inox 40 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters, inox
Milking clusters	4 clusters, for goats
Pulsators	2 pcs., 60/40, 90 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	60.5 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!

Goat milking machine, with 4 clusters, 1 aluminum bucket 40 liters


0939

Portable goat milking machine, with 4 milking clusters and 1 aluminum 40 liters bucket, pulsator 60/40, vacuum pump 230 liters/minute, vacuum tank of 18 liters.

Technical specifications

Bucket	1 × 40 liters, aluminum
Milking clusters	4 clusters, for goats
Pulsators	2 pcs., 60/40, 90 pulses/minute
Vacuum pump	230 liters/minute, with oil
Vacuum pump motor	230 V, 550 W
Vacuum tank	18 liters
Weight	59.25 kg

Please note: the 1 year warranty is for the vacuum pump motor, the other parts of the milking machine are not covered by warranty!



Inox bucket for milking machine, 25 liters



Capacity	25 liters
Interior width top	17.5 cm
Exterior width bottom	33 cm
Overall height	41 cm

0599

Aluminum bucket for milking machine, 25 liters



Capacity	25 liters
Interior width top	17.5 cm
Exterior width bottom	30 cm
Overall height	48 cm

0602

Inox bucket for milking machine, 30 liters



Capacity	30 liters
Interior width top	17.5 cm
Exterior width bottom	33 cm
Overall height	46 cm

0600

Aluminum bucket for milking machine, 30 liters



Capacity	30 liters
Interior width top	17.5 cm
Exterior width bottom	34 cm
Overall height	48 cm

0603

Inox bucket for milking machine, 40 liters



Capacity	40 liters
Interior width top	21.5 cm
Exterior width bottom	33 cm
Overall height	60 cm

0601

Aluminum bucket for milking machine, 40 liters



Capacity	40 liters
Interior width top	21.5 cm
Exterior width bottom	34 cm
Overall height	56.5 cm

0604

Inox milk transport can, 30 liters



0605

The can is fitted with a clip-type lid. The lid is sealed with a rubber ring.

Capacity	30 liters
Interior width top	21.5 cm
Exterior width bottom	33 cm
Overall height	46 cm

Aluminum milk transport can, 30 liters



0607

The can is fitted with a clip-type lid. The lid is sealed with a rubber ring.

Capacity	30 liters
Interior width top	18 cm
Exterior width bottom	30 cm
Overall height	55 cm

Inox milk transport can, 40 liters



0606

The can is fitted with a clip-type lid. The lid is sealed with a rubber ring.

Capacity	40 liters
Interior width top	21.5 cm
Exterior width bottom	33 cm
Overall height	58.5 cm

Aluminum milk transport can, 40 liters



0608

The can is fitted with a clip-type lid. The lid is sealed with a rubber ring.

Capacity	40 liters
Interior width top	18 cm
Exterior width bottom	34.5 cm
Overall height	58 cm



Milk bucket lid, 25-30 liters

Plastic lid for 25-30 liter milking buckets (with an inner opening width of 17.5 cm).



Milk bucket lid, 40 liters

Plastic lid for 40 liter milking buckets (with an inner opening width of 21.5 cm).



Lid with 2 outlets, for 25-30 liter buckets

Plastic bucket lid with 2 outlets for milking machines, for 25-30 liter buckets.



Lid with 3 outlets, for 25-30 liter buckets

Plastic bucket lid with 3 outlets for milking machines, for 25-30 liter buckets (with an inner opening width of 17.5 cm).



Lid with 3 outlets, for 40 liter buckets

Plastic bucket lid with 3 outlets for milking machines, for 40 liter buckets (having an inner opening width of 21.5 cm).



Milk bucket stopper

Simple device to automatically stop the milking process if the milk bucket fills up.



Lid gasket for 25-30 liter buckets

Gasket for 25-30 liter milk buckets (having an inner opening width of 17.5 cm).



Lid gasket for 40 liter buckets

Gasket for 40 liter milk buckets (having an inner opening width of 21.5 cm).



Double vacuum tube, 7/14 mm

7/14 mm double vacuum tube for milking machines – for connecting the pulsator and the claw.



Milk tube, 14/22 mm

14/22 mm milk tube for milking machines – for connecting the bucket and the claw.



Milk tube, 16/25 mm

16/25 mm milk tube for milking machines – for connecting the bucket and the claw.



Double tube, 14/22 + 7/14 mm

Double tube – vacuum tube (7/14 mm) and milk tube (14/22 mm) for milking machines – for connecting the claw, the bucket and the pulsator.



Triple tube, 7/14 + 14/22 + 7/14 mm

Triple tube – vacuum tube (2 × 7/14 mm) and milk tube (14/22 mm) for milking machines – for connecting the claw, the bucket and the pulsator.



Milk tube tap

Plastic tap for milk tube.
Connection diameter: Ø16 mm.



Milk tube holder

Milk and vacuum tube holder ring.



Y connector, 16 mm

Y connector for milk tubes.
Connection diameter: Ø16 mm.



Y connector, 8.5 mm

Y connector for vacuum tubes.
Connection diameter: Ø8.5 mm.



Pulsator 60/40, 60 pulses/minute

Mechanical pulsator for cow milking machines, 60/40, 60 pulses/minute.

0652



Pulsator 50/50, 120 pulses/minute

Mechanical pulsator for sheep milking machines, 50/50, 120 pulses/minute.

0653



Pulsator 60/40, 90 pulses/minute

Mechanical pulsator for goat milking machines, 60/40, 90 pulses/minute.

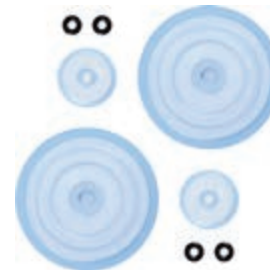
0931



Pulsator repair kit

The kit contains two small membranes, two large membranes and four gasket rings.

0654



Cow milking cluster, 240 cm³

Complete milking cluster for cow milking machines with 4 liners and 240 cm³ claw.

0636



Sheep milking cluster, rubber, 150 cm³

Complete milking cluster for sheep milking machines with 2 rubber liners and 150 cm³ claw.

0637



Sheep milking cluster, silicone

Complete milking cluster for sheep milking machines with 2 silicone liners and universal claws.

0638



Sheep milking cluster, rubber

Complete milking cluster for sheep milking machines with 2 rubber liners and universal claws.

0639



Goat milking cluster, rubber

Complete milking cluster for goat milking machines with 2 rubber liners and universal claws.

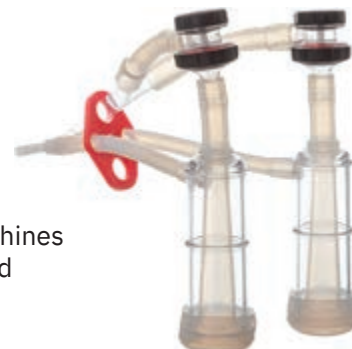
0933



Goat milking cluster, silicone

0932

Complete milking cluster for goat milking machines with 2 silicone liners and universal claws.



Complete milking claw, 240 cm³

Complete claw for milking machines, 240 cm³.

0641



Claw top for 240 cm³ milking claw

Spare top + gasket ring for 240 cm³ milking machine claw.

0642



Milk claw bottom body, 240 cm³

Spare bottom body for 240 cm³ milk claw.

0643



Milk claw gasket 240 cm³

Sealing gasket for 240 cm³ milk claw.

0644



Complete milking claw, 200 cm³

Complete claw for milking machines, 200 cm³.

0645



Claw top for 200 cm³ milking claw

Spare top + gasket ring for 200 cm³ milking machine claw.

0646



Milk claw bottom body, 200 cm³

Spare bottom body for 200 cm³ milk claw.

0647



Milk claw gasket 200 cm³

Sealing gasket for 200 cm³ milk claw.

0648



Complete milking claw, 150 cm³

Complete claw for milking machines, 150 cm³.

0649



Milk claw gasket 150 cm³

Sealing gasket for 150 cm³ milk claw.

0650



Universal milking claw for sheep and goats

Universal milking claw (one-way valve) for sheep and goats.

0651



Rubber liner set for cows

Spare long rubber liner for cow milking machines.
Set of 4 pieces.

0633

4
pcs.



Silicone liner set for cows

Spare silicone liner for cow milking machines.
Set of 4 pieces.

0895

4
pcs.



Rubber liner set for sheep

Spare rubber liner for sheep milking machines.
Set of 4 pieces.

0634

4
pcs.



Silicone liner set for sheep

Spare silicone liner for sheep milking machines.
Set of 4 pieces.

0635

4 pcs.



Silicone liner set for goats

Spare silicone liner for goat milking machines.
Set of 4 pieces.

0934

4 pcs.



Milking cup for cow milking machines, 27/40 mm

Milking cup for cow milking machines, 27/40 mm.

0640

1 pc.



Milking cup for sheep milking machines

Milking cup for sheep milking machines.

0896

1 pc.



Milking cup for goat milking machines

Milking cup for goat milking machines.

0935

1 pc.



Liner plug

Liner plug for stopping the operation of a cow milking machine liner.

0893

1 pc.



Short vacuum tube, 7/14 mm

Short rubber vacuum tube for connecting the liners to the milk claw or to the Y-connector.

0632

← 14 →



Vacuum pump with oil, 200 liters/minute

0616



Monophasic vacuum pump with oil.

Motor type	Monophasic
Supply voltage	~230 V
Consumption	550 W
Capacity	200 l/min
Lubrication	Oil

Vacuum pump with oil, 230 liters/minute

0617



Monophasic vacuum pump with oil.

Motor type	Monophasic
Supply voltage	~230 V
Consumption	550 W
Capacity	230 l/min
Lubrication	Oil

Vacuum pump 70 mm, 200 liters/minute



Spare vacuum pump without motor for milking machines. 70 mm, 200 liters/min.

0899

Vacuum pump 80 mm, 230 liters/minute



Spare vacuum pump without motor for milking machines. 80 mm, 230 liters/min.

0900

Oil tank



Oil tank for milking machines with vacuum pump 200 liters/minute.

0897

Waste oil tank



Waste oil tank for milking machines with vacuum pump 200 liters/minute.

0898

Vacuum pump silencer



Noise reduction (silencing) device for milking machines with vacuum pump type 200 liters/min.

0886



Vacuum pump oil, Agro Electro

Vacuum pump oil for milking machines.

0625



1 liter

0626



4 liters

Vacuum pump oil, Viscano (Kerbl)

Vacuum pump oil for milking machines.

0751



1 liter

0752



5 liters

200 l/min vacuum pump vane set

Spare vane set for **200** liters/minute vacuum pump. 4.9 × 43 × **69.85** mm.

0618



230 l/min vacuum pump vane set

Spare vane set for **230** liters/minute vacuum pump. 4.9 × 43 × **79.85** mm.

0619



Vacuum tank, 18 liters

Vacuum tank for milking machines, 18 liters.



0888

Vacuum regulator

Pressure regulator for vacuum tank. Thread: 3/4 inch.

0622



Vacuum tank lid

Spare transparent lid for the vacuum tank (Ø165 mm).

0620



Vacuum tank lid gasket

Spare gasket for sealing the vacuum tank lid.

0621



0620

0621

0888



Vacuum distributor for milking machines

Plastic vacuum distribution unit for milking machines.

0884



Long tube for vacuum tank

Special tube for connecting the vacuum tank to the vacuum distributor.

0890



Short tube for vacuum tank

Special short tube for connecting the vacuum pump to the vacuum tank.

0889



Vacuum gauge connector

Special tube for connecting a 1/2 inch vacuum gauge (manometer).

0892



Vacuum gauge, 63 mm, 1/4 inch

Vacuum gauge (manometer) for milking machines.
Scale: -1...0 bar
Connection: 1/4 inch
Diameter: 63 mm



0623

Vacuum gauge, 100 mm, 1/2 inch

Vacuum gauge (manometer) for milking machines.
Scale: -1...0 bar
Connection: 1/2 inch
Diameter: 100 mm



0624

Wheel for milking machines

Spare wheel for milking machines.
Diameter: 250 mm.



0894



Milk tube cleaning brush

Long brush for cleaning milk tubes.

0655



Total length	150 cm
Diameter of bristles	2.2 cm
Length of the brushing part	15 cm
Handle length	10 cm

0994



Total length	155 cm
Diameter of bristles	1.6 cm
Length of the brushing part	20 cm

Liner cleaning brush

Conical brush for cleaning the liners.

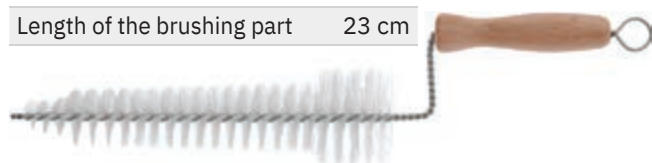
0656



Total length	52 cm
Diameter of bristles	1.5...5.5 cm (conic)
Length of the brushing part	24 cm
Handle length	10 cm

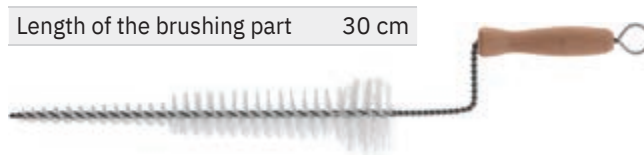
Total length	40 cm
Diameter of bristles	2...5.8 cm
Length of the brushing part	23 cm

0995



Total length	50 cm
Diameter of bristles	2...6 cm
Length of the brushing part	30 cm

1221



Dip cup for teat disinfection



Cup for teat disinfection before and after milking.

Classic

0657



Cup for teat disinfection before and after milking. With special valve to prevent the disinfection solution from flowing back into the tank.

Non return

0960



Cup for teat disinfection before and after milking.

Classic

0961

MCLEAN-B, alkaline detergent for cleaning milking machines

Alkaline pH detergent for cleaning the piping systems of milking machines, milk tanks and automatic feeders. This product is used together with MCLEAN-A.



MCLEAN-A, acidic detergent for cleaning milking machines

Acid pH detergent for cleaning the piping systems of milking machines, milk tanks and automatic feeders. This product is used together with MCLEAN-B.



Eutra udder lotion

A Swiss medicinal cream containing lanolin and natural care ingredients to maintain the health of the udder and the teats. Regular use increases udder resistance and promotes the production of good quality milk.



Teat catheter, 10 pieces

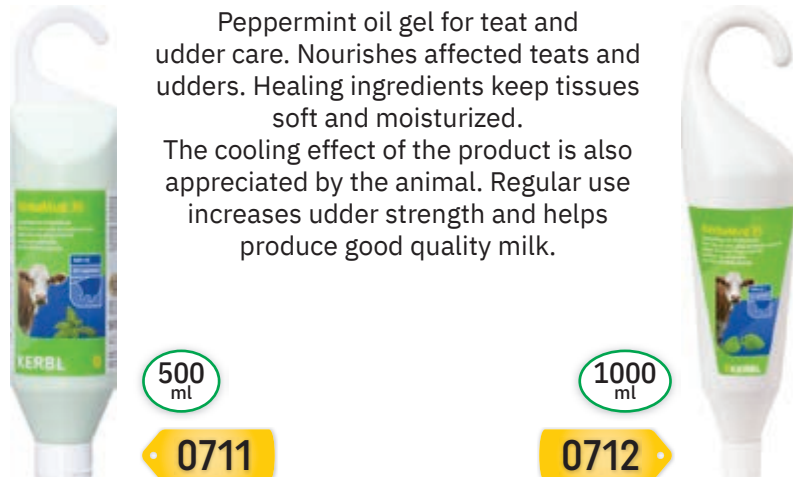


0810

Plastic teat catheter for dilating the udder.
Length: 45 mm.

10 pcs.

KerbaMint udder care gel



Peppermint oil gel for teat and udder care. Nourishes affected teats and udders. Healing ingredients keep tissues soft and moisturized. The cooling effect of the product is also appreciated by the animal. Regular use increases udder strength and helps produce good quality milk.

500 ml

0711

1000 ml

0712

Wet udder cleansing towel



800 sheets / bucket

0663

Wet paper towel for cleaning udders before and after milking. Effective and quick cleaning, made of 100% raw cellulose.

The cleaning agent is safe and does not contain ammonium compounds.

800 sheets refill pack

0664



UPROTECT post-milking udder care gel, 5 kg



Lactic acid based preparation, ensures proper udder hygiene after milking. The solution forms a protective film on the teats, which protects against infections and accelerates the regeneration of the udder skin.

0902

5 kg

Eimermacher anti-inflammatory gel

Anti-inflammatory gel balm for tendons and joints of horses with herbal extracts. The gel cools and relaxes, refreshes and vitalizes muscles after stress and fatigue. Activates overworked muscles, tendons and joints.



200 ml

0750

Dermocan horse shampoo



A gentle shampoo specially formulated for horses to promote the regeneration and growth of the coat and mane. The product contains keratin, aloe vera extract and argan oil.

500 ml

0912



1000 ml

0913



Metal curry comb for horses

Serrated metal brush for cleaning the skin and hair of cattle and horses.

9.5×14.5 cm



0757

Spiral metal curry comb for horses

Round spiral metal brush for cleaning the skin and hair of cattle and horses.

10×10 cm



0758

Metal curry comb for cows and horses

Serrated metal brush for cleaning the skin and hair of cattle and horses.

0759



11×12.5
cm

Metal curry comb with mane comb

Serrated metal brush with mane comb for cleaning the skin and mane of horses.

0760



12×12.5
cm

Cleaning and massage brush for horses

Cleaning and massage brush with stiff bristles, for horses. The wrist strap is adjustable in 3 positions according to the size of the hand.

0459



9×16
cm

Mud brush for horses

Heavy-duty, serrated plastic brush, ideal for removing coarse dirt from horse skin. The wrist strap is adjustable in 3 positions according to the size of the hand.

0460



9×16
cm

Mane brush for horses

Heavy-duty plastic brush with flexible bristles, ideal for smoothing the coat and combing long mane. The wrist strap is adjustable in 3 positions according to the size of the hand.

0461



9×16
cm

Brass and nylon bristle brush

Brush with lacquered wood backing is equipped with 9 rows of bristles, 2 rows of nylon on the outside and 7 rows of metal bristles on the inside. Leather cross strap for comfortable grip and use.

0761



21×9
cm

Spring-loaded cow scratching brush



Spring-loaded construction with two replaceable nylon brushes with wooden top. Special nylon brushes ensure ideal cleaning and care of the coat. The sturdy brush structure guarantees high user comfort. The brushes are mounted on a spring and bend flexibly in all directions, so they are effective for animals of different sizes. Cows have constant access to the brush, they can relieve itching and skin burns at any time, which improves animal welfare.

Calf blanket



The calf blanket protects the calf from rain and cold, keeping body temperature constant. It is made of warm, synthetic material with an insulating, breathable and hard-wearing layer. Machine washable at max. 30 °C.



Neoprene calf blanket



The blanket protects the calf from rain and cold, keeping body temperature constant. It is made of quick-drying polyester fabric with 2.5 mm neoprene inner insulation. Machine washable at max. 30 °C.



Sana milk filter disc, 200 pieces



Disposable milk filter disc, made of food-safe non-woven polyester fibers. The filter can be used to remove the smallest impurities and deposits from freshly milked milk. The filter is placed in a special milk filter funnel. The filter does not alter the taste of the milk and is specially designed for food use. Each pack contains 200 filters.



Milk thermometer with alcohol, -10...+110 °C

Suitable for accurately determining the temperature of milk for calves. The thermometer works with alcohol (non-toxic in case of breakage). The thermometer is enclosed in a plastic case for protection. Boil-proof up to +110 °C.



0438

Digital milk thermometer, -50...+200 °C

Digital thermometer for measuring the temperature of milk or other liquids and food preparations. Measuring range: -50...+200 °C. Minimum/maximum temperature memory function.

The thermometer is equipped with an LCD display and three buttons – two on the front (ON/OFF), (MAX/MIN) and one on the back (°C/°F).



0919

Milk heater for calf feeding



Electric heater with thermostat. For heating and maintaining the temperature of milk before feeding to young animals.

The heater is equipped with a thermostat for pre-setting the desired temperature up to max. 80 °C. The temperature sensor is at the bottom, so it measures the milk temperature directly. The device can be left alone in the milk heating vessel, no need to hold it in your hand.

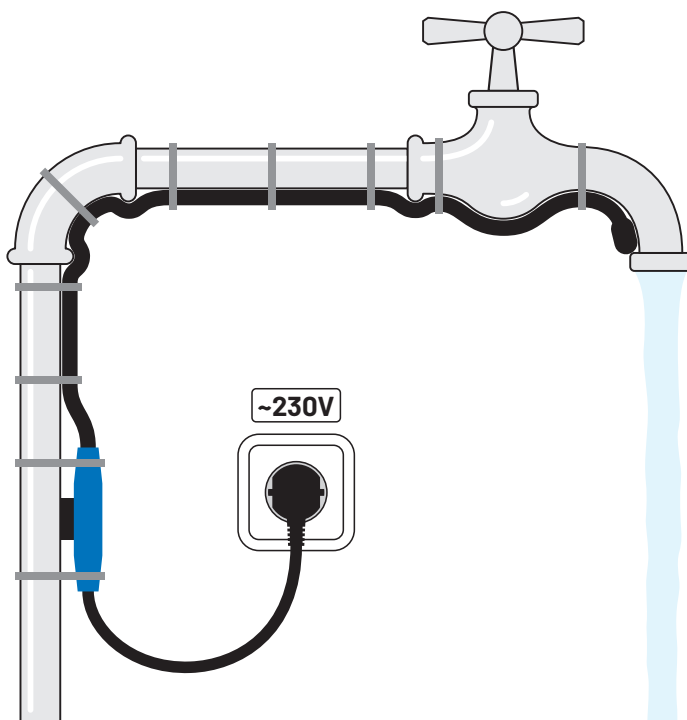


2300
W
0662

Heating cable with thermostat, 1-48 meters

The system for heating pipes is designed to prevent damage caused by freezing. It operates smoothly down to a minimum temperature of -45 °C.

When the temperature drops below 3 °C, the thermostat activates the heating, and once the temperature rises above 13 °C, the thermostat turns off the heating.



Technical specifications

Power supply	~230 V
Power consumption	16 W/m
Degree of protection	IPX7

1...48 m



Length	Product code
1 m	0355
2 m	0356
4 m	0357
8 m	0502
12 m	0503
14 m	0504
18 m	0505
24 m	0508
36 m	0506
48 m	0507

Infrared heat bulb holder

0335



Infrared heat bulb holder for domestic animal shelters. The holder consists of an aluminum cone (heat reflector) and adjustable length suspension chain (maximum length = 2 m). The holder hangs at a height of min. 60 cm from chickens, piglets, quail, etc.

The holder has a safety grid to protect the bulb (heat source). The power supply cable is 2.5 meters long, long enough to power the assembly from a significant distance.

Bulb socket type: E27 (normal threaded bulb).

Suspension chain length: 2 m.

Power supply cable length: 2.5 m.



Infrared heat bulb holder with power switch

0336



Infrared heat bulb holder for domestic animal shelters.

The holder has a power switch with 2 positions – in position 1 the system operates at half power, in position 2 at full power.

Power switch



Mounting the grid



Infrared heat bulb

Heat bulb with infrared light source, suitable for heating livestock rearing shelters.

The infrared light is suitable for heating small animals – chickens, poultry, piglets, lambs, etc. rearing shelters. It is a safe source of heat without fire hazard.

Apart from animal husbandry, the bulb is also suitable for keeping fresh food warm.

PHILIPS

150 W

0337



Daniella
deLux

150 W

0354



Daniella
deLux

250 W

0469



Feeding bucket for calves, 8 liters



0431

Ideal for feeding calves. The bucket can be hung from the front or rear through the suspension holes. The sloping bottom ensures total milk/water drainage. Embossed measuring scale helps to accurately dose the fill amount. The package includes teat and valve.



Feeding bucket for lambs and kids, with 1, 3 or 5 teats, 8 liters



0449



0450



0451

Ideal for feeding lambs and kids. The bucket can be hung from the front or rear through the suspension holes. The sloping bottom ensures total milk/water drainage. Embossed measuring scale helps to accurately dose the fill amount.

The package includes teat, valve and suspension holder.

Feeding bucket for lambs and kids with 6 teats of 50 mm, 10 liters



0475

This bucket is ideal for feeding several lambs and kids at the same time, as it comes equipped with six 50 mm teats with valve (included). Fence mountable, easy to clean, sanitize and transport.

It is made of very stable and durable plastic, developed for everyday use.

The embossed measuring scale helps to accurately dose the filling quantity.



Feeding bucket for lambs and kids with 6 teats of 70 mm, 10 liters



This bucket is ideal for feeding several lambs and kids at the same time, as it comes equipped with six 70 mm teats with valve (included). Fence mountable, easy to clean, sanitize and transport.

It is made of very stable and durable plastic, developed for everyday use.

The embossed measuring scale helps to accurately dose the filling quantity.



0476

Feeding bucket for lambs and kids, with 6 teats, 8 liters



0452

Ideal for feeding lambs and kids. The bucket can be hung from the front or rear through the suspension holes. The sloping bottom ensures total milk/water drainage. Embossed measuring scale helps to accurately dose the fill amount.

Package includes teat, valve and suspension holder.



Cover for feeding bucket

Prevents insects and impurities from getting into the milk during storage or feeding.

0432



Cover for feeding bucket, 10 liters

Prevents insects and impurities from getting into the milk during storage or feeding.

0477



Spare valve gasket

Spare gasket for feeding bucket vent. Compatible with products 0434 and 0437.

0435



Valve mounting wrench

Special wrench for mounting feeding bucket valve. Compatible with products 0434 and 0437.

0436



Metal bracket for feeding bucket

Metallic bracket to replace similar plastic brackets.

0433



Feeding bucket valve

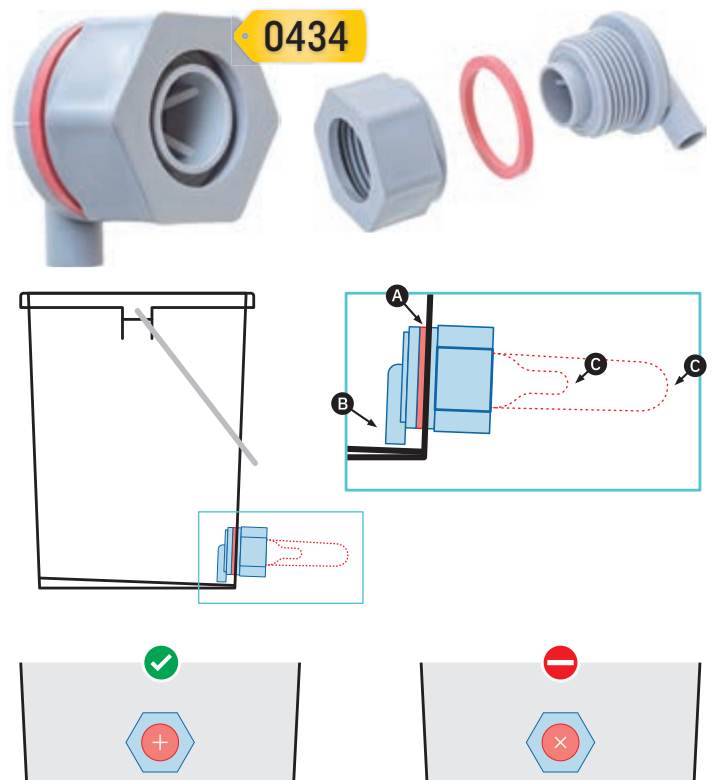
High quality plastic valve, compatible with the following feeding buckets: 0431, 0449, 0450, 0451 and 0475.

The valve has two functions: fitting the teat and ensuring the correct milk flow direction. It has a ball inside which prevents the milk from flowing back into the bucket when the teat is squeezed by the animal, so that the only outlet for the liquid is the tip of the teat.

Assembly

The valve is fitted to the bucket taking into account three very important aspects:

1. The rubber gasket **A** has to be placed inside the bucket.
2. The extended suction part **B** should be towards the bottom of the bucket. This is the only way to ensure total milk consumption!
3. The teat is fitted in such a way that, when viewed from the front, **C** the cross-shaped cut at the top of the teat forms a **+**. This is the only way to ensure a proper milk flow.



Super-Clean valve for feeding bucket

The new Super-Clean valve is easy to assemble and clean. It is compatible with the following feeding buckets: 0431, 0449, 0450, 0451 and 0475.

The valve has two functions: to attach the teat and to ensure the correct milk flow direction.

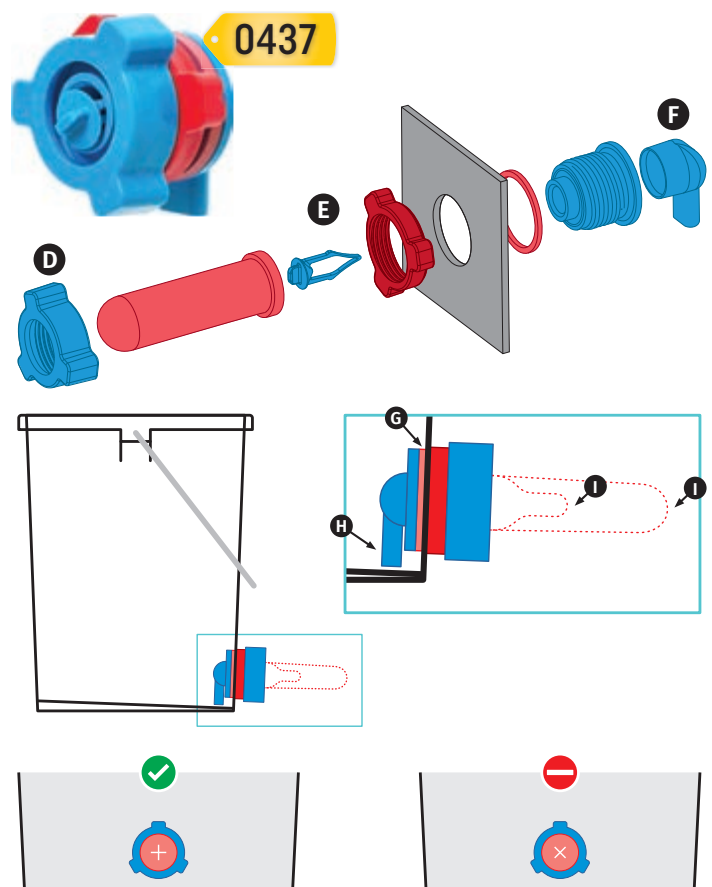
Easy cleaning

For quick cleaning, loosen the front nut **D** to remove the teat and the liquid control valve **E**. Just remove the suction piece **F** from the bucket and the valve can be easily cleaned.

Assembly

The valve is fitted to the bucket taking into account three very important aspects:

1. The rubber gasket **G** has to be mounted inside the bucket.
2. The extended suction **H** part should be towards the bottom of the bucket. This is the only way to ensure total milk consumption!
3. The teat is fitted in such a way that, when viewed from the front, the cross-shaped cut at the top of the teat **I** forms a **+**. This is the only way to ensure a proper milk flow.



Lamb and kid feeding bottle, 500, 1000, 2000 ml



Soft plastic bottle for the administration of milk and/or medicines. The easy-to-read scale helps the accurate dosing.

The bottles are compatible with all types of teats, so can be used for calves as well as lambs and kids, if the right teat is purchased.

The teat for lambs and kids is included.

Calf feeding bottle, 500, 1000, 2000 ml



Soft plastic bottle for the administration of milk and/or medicines. The easy-to-read scale helps for accurate dosing. Bottle is compatible with all types of teats, so can be used for calves as well as lambs and kids, if the right teat is purchased.

A teat for calves is included.

Rubber teat for sheep with PET bottle mount



Soft rubber teat that can be used on PET bottle. The teat is fitted with a cross-shaped opening that prevents liquid from dripping but opens immediately when the lamb starts sucking or chewing. It allows slow milk flow, which ensures a small amount of air can reach the animals' digestive system.

0749



Calf drencher bottle, 3000 ml, with probe



The high-quality plastic bottle is suitable for liquid therapy and electrolyte treatment of sick and weak calves.

The bottle has a capacity of 3 liters and is equipped with an 80 cm long flexible probe connected to a 50 cm long rigid tube.



0446

Calf teat for feeding bucket, conical



0441

The conical rubber calf teat can be used for both feeding buckets and bottles.

The teat is fitted with a cross-shaped opening that prevents liquid from dripping, but opens immediately as the calf starts sucking or chewing. Allows slow liquid flow.

Calf teat for feeding bottles, cylindrical

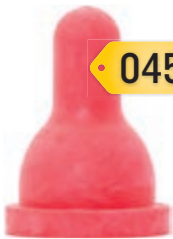


0467

The cylindrical rubber calf teat is intended primarily for feeding bottles.

The teat is fitted with a cross-shaped opening that prevents liquid from dripping, but opens immediately as the calf starts sucking or chewing. Allows slow liquid flow.

Lamb and kid teat, 50 mm



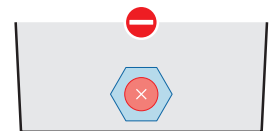
0454

The rubber lamb and kid teat can be used for both feeding buckets and bottles.

The teat is fitted with a cross-shaped opening that prevents liquid from dripping, but opens immediately as the lamb starts sucking or chewing. Allows slow liquid flow.

Correct fitting of teats

When fitting the teat to the bucket, the cross-shaped cut at the top of the teat has to form a **+** and not **×**. If you fit the teat incorrectly, the milk flow rate decreases significantly, which can lead to longer feeding time and increased teat wear.



Lamb and kid teat, 70 mm



0990

The rubber lamb and kid teat can be used for feeding buckets.

The teat is fitted with a cross-shaped opening that prevents liquid from dripping, but opens immediately as the lamb starts sucking or chewing. Allows slow liquid flow.

The teat is compatible exclusively with the 0452 feeding bucket.

Valve for lamb feeding bucket

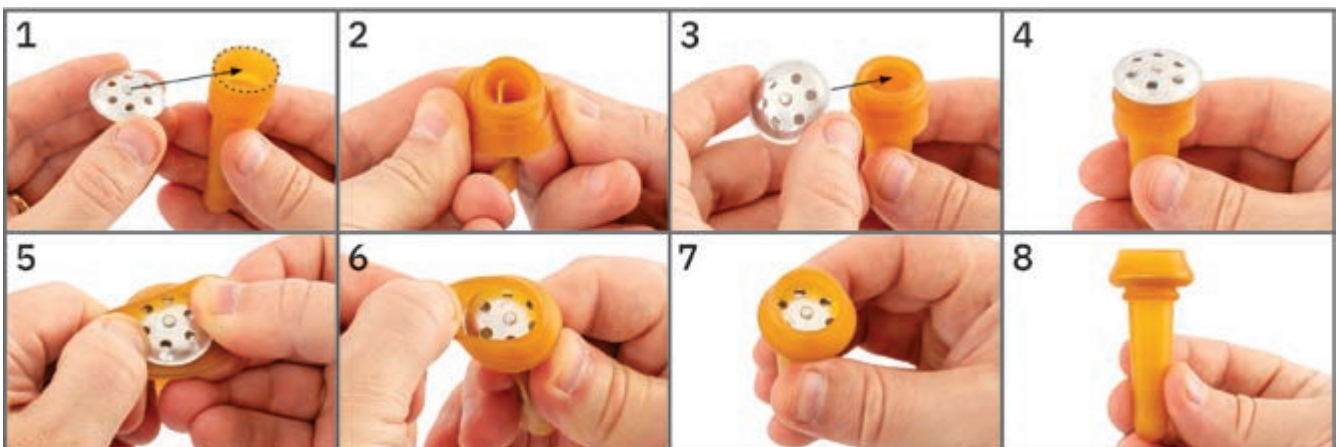
0453



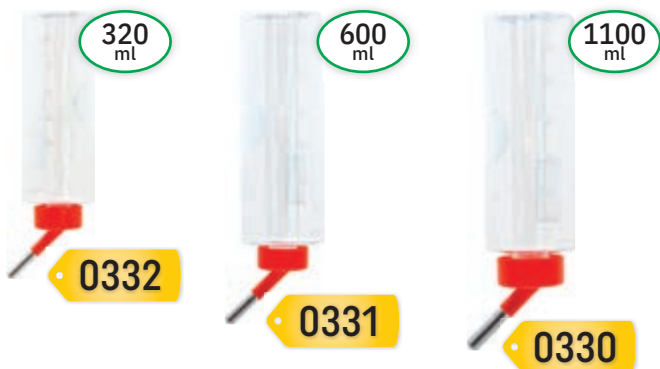
The valve prevents the liquid from flowing back into the bucket. Suitable for lamb and kid teat (product code 0990).

The valve must be placed inside the teat so that the openings of the valve are visible. Follow the steps below to fix the valve.

Mounting the valve in the teat



Ball drinkers for rabbits, 320, 600 and 1100 ml



The transparent plastic drinker ensures optimal hydration of caged rodents – rabbits, chinchillas, guinea pigs, nutria.

The drain tube is resistant to gnawing and is fitted with two balls to prevent leakage, thus preventing water wastage and wetting of the cage substrate. Water drips only when the ball is touched by the animal.

The container is mounted using the attached wire. The drinker can be placed either outside or inside the cage.

Drinkers for rabbits, 500 ml, 1000 ml



The drinker is positioned on the outside of the cages, on the bars or wire mesh. Only the tap is inserted into the cage so that the animals do not have direct access to the water container.

It can be easily refilled. Being suspended, it remains clean and free from contamination at all times, protecting rabbits from disease and infection.

Metal clip for fixing included in the package.



Drinkers for rabbits, 1000 ml



The drinker is positioned on the outside, only the tap is situated inside the cage, therefore it can be easily refilled. As it is made of transparent plastic, the water level can be easily checked.



Poultry drinker, conical



3
liters

0485

The conical drinker is ideal for watering backyard poultry and for the controlled dosing of special solutions.

It is made of semi-transparent plastic, which allows you to monitor the quantity and quality of water.

To be used at temperatures above freezing.



10
liters

0541

PET bottle drinker



0486



The PET bottle drinker is ideal for watering backyard poultry and for the controlled dosing of special solutions.

It consists of two separate, interlocking sections to which any size PET bottle can be attached. Easy to handle and clean, it is stable on a flat surface.

A 2 liter bottle provides enough water for about 12-15 adult hens for one day. For use at temperatures above freezing.

Attention, the product does not include the bottle!

Poultry drinker with plastic tank, 30 liters



0487

The drinker is ideal for households with many birds (up to 100 adult birds), free-range or backyard. Keeps water clean and uncontaminated due to the closed reservoir.

Automatically supplements water: as soon as the bowl under the tank is empty, it automatically refills until the tank is empty.



Cast-iron automatic drinker, 2 liters



0236

Self-feeding drinker with nose paddle for cattle, horses, etc. Made of cast iron, volume approx. 2 liters. The drinker is automatically filled with water as soon as the animal presses the metal paddle with its nose, which opens the valve and the water flows through it.

Wall or post-mounted. It is equipped with a replaceable valve. The valve connection is of 1/2 inch.

Replacement parts

- A** Nose paddle [0274]
- B** Valve [0281]
- C** Valve spring [0275]

0274 **A**



0281 **B**



0275 **C**



Cast-iron automatic drinker, 1.5 liters



0229

Self-feeding drinker with nose paddle for cattle, horses, etc. Made of cast iron, volume approx. 1.5 liters.

The drinker is automatically filled with water as soon as the animal presses the metal paddle with its nose, which opens the valve and the water flows through it.

Wall or post-mounted. It is equipped with a replaceable valve. The valve connection is of 1/2 inch.

Replacement parts

- A** Inox paddle [0230]
- B** Valve [0235]
- C** Valve mounting screw [0231]
- D** Valve gasket, external [0232]
- E** Valve spring [0233]
- F** Valve gasket, internal [0234]

A 0230



0232 **D**



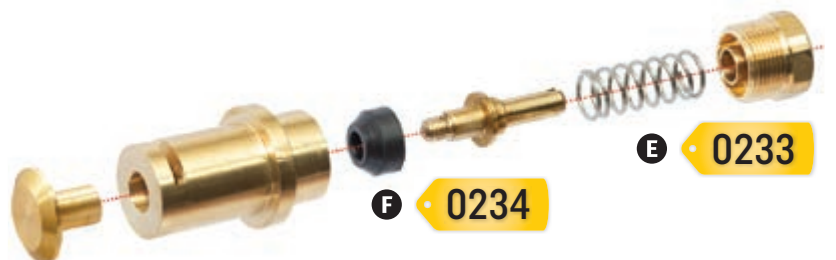
0235 **B**



C 0231



E 0233



F 0234



G51 cast-iron drinker, with tube valve, 1.7 liters



0943

Cast-iron drinker for domestic animals – cattle, horses or small animals. It has a capacity of 1.7 liters and a 1/2 inch automatic replaceable tube valve (1211).

The valve has a brass inner part. By pressing the valve, the water starts flowing immediately.

The drinker can be mounted on a pipe or on a wall.

Tube valve for G51 automatic drinker



1211

The tube valve is for the 1.7 liter cast-iron drinker. The valve is activated by touch, and animals quickly learn to open it with their noses.

Made of brass.

Water flow rate: 20 liters/ min (under 5 bar pressure).

Inox and cast-iron drinker with tube valve, 5 liters



0803

Automatic inox drinker for farm animals – cattle, horses or other, smaller animals. It has a capacity of 5 liters and a 1/2" with replaceable tube valve (0804).

The stainless steel material of the bowl prevents corrosion of the drinker. The cast-iron body ensures a solid fixing.

The drinker can be mounted on a pipe or wall.

Tube valve for 5 liter automatic drinker



0804

The tube valve is for the 5 liter inox/cast-iron drinker. By pressing the valve, the water starts flowing immediately. The valve has a 1/2" inlet at the top and bottom. The unused inlet can be sealed with a plug.

Made of brass.

Water flow rate: 20 liters/ min (under 5 bar pressure).

Automatic inox drinker, 2.5 liters



0766



Automatic inox drinker with constant water level, 2.5 liters capacity, with floating valve, for domestic animals: sheep, cattle, horses or small animals.

The stainless steel material prevents corrosion of the bowl.

The drinker can be mounted on a pipe or on a wall. It has a replaceable valve (0767).

The inlet thread diameter is 1/2".

Spare float valve

0767



Automatic valve for drinkers. Can be used for any watering construction to limit the water level in a tank.

Thread diameter: 1/2".

Plastic drinker with constant level, S522, 3 liters



0941



Plastic drinker with constant level, having the capacity of 3 liters.

The water level is controlled by an automatic float valve (1207).

Water can be supplied from the side. Depending on the position of the water source, the automatic valve can be mounted on either sides of the bowl.

The bottom of the drinker is fitted with a plug to facilitate cleaning.

Float valve for S522 drinkers

1207



Automatic valve for S522 plastic drinkers with constant level, 3 liters, but can also be used for other types of drinkers with 1/2" inlet. The valve automatically controls the water level using a float.

Body material: plastic.

Automatic plastic drinker, 2.2 liters



0906

Automatic drinker with a capacity of ~2.2 liters, made of durable plastic, for domestic animals – cows, horses, but also ideal for smaller animals.

Can be mounted on a pipe or a wall. The plastic material prevents damaging of the bowl due to corrosion.

Adjustable valve for 2.2 liter drinkers



0907

Adjustable valve for automatic drinker. Compatible with 2.2 liter plastic automatic drinker.

The valve is fitted with a metal filter to stop impurities from clogging and blocking the valve. Water flow can be adjusted in 3 steps between 7.5 and 11 liters/minute at 3 bar water pressure.

Plastic drinker with constant level, adjustable, 5-8 liters



0910

Special plastic drinker with constant level, adjustable capacity of 5-8 liters.

The water level is controlled by an automatic float valve (0767).

The water can be supplied from the side. Depending on the position of the water source, the automatic valve can be mounted on either side of the drinker.

The bottom of the bowl is fitted with a plug to facilitate cleaning.



Plastic double drinker with constant level, 58 liters



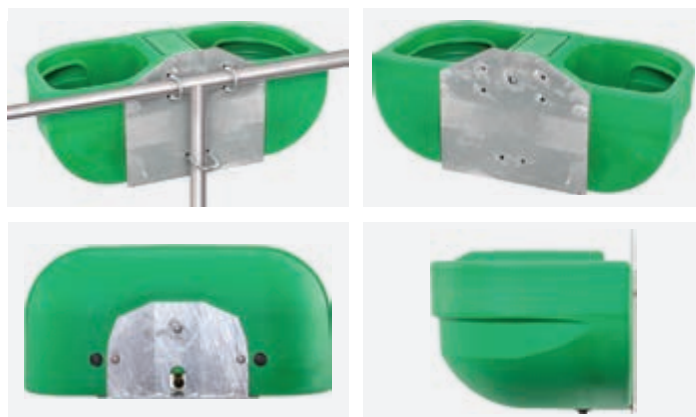
0908



Special plastic constant-level double drinker with a maximum capacity of 58 liters. The drinker body is reinforced with 4 mm aluminum sheet.

It can be mounted on the wall or on metal pipe structures with a maximum diameter of 50 mm.

Water can be supplied from both the top and the bottom. Connection diameter: 3/4". The water level is controlled by an automatic float valve (0909).



Frost-free double drinker with ball for cattle and horses, 100 liters



0768



Frost-free drinker with two floating balls. Ideal for watering cattle and horses.

Capacity 100 liters, maximum water flow 35 liters/minute. The tank and lid material are shockproof even in cold weather.

The casing and lid are double-walled and filled with insulating foam to prevent the water from freezing in winter and overheating in summer.

The drinker must be connected to a water pipe. Once connected, it can be fixed to a concrete base with the screws supplied. The filling of the tank is automatic and controlled by an adjustable float valve (0904).

The tank cover can be fixed to the body with 6 screws. The lid is insulated with a foam insulation tape. The tank is fitted with two threaded plugs to facilitate draining and cleaning of the tank.



Spare float valve for 58 liter double drinkers



0909

Automatic valve for drinkers. Compatible with the 58 liter plastic double drinker with constant level, but can also be used with any other drinker to control the water level in the tank.

Spare float valve for frost-free drinkers



0904

Automatic valve for drinkers. It is compatible with the frost-free ball-type drinker, but can be used for any watering trough construction to limit the water level in a tank.

The floating element can be adjusted in height by ± 10 cm.

3/4 inch nipple drinker for pigs



0276

It provides optimal water flow for the animals, reducing water loss. Ideal in livestock production, especially for fattening piglets and sows.

High quality stainless steel drinker with filter.

1/2 inch nipple drinker for piglets



0277

It provides optimal water flow for the animals, reducing water loss.

Ideal in livestock production, especially for weaned and young piglets.

High quality stainless steel drinker with filter.

Poultry feeder, 5/10 liters



The feeder can be placed directly on the ground, or suspended by means of a thick, sturdy ring at the top. Special slots prevent feed from leaking out, minimizing feed loss. When the feeder is used by hanging, feed spillage is almost impossible so feed losses are close to zero. Suitable for feeding grain feeds (maize, wheat, millet, etc.), ground crops and compound feeds.

The feeder has two filling slots on the top which can be opened or closed by sliding the red protective cover.

Poultry feeder, 50 cm



A thick, durable plastic feeder for feeding up to 35 chickens or 6-7 adult hens at a time.

The feeder can be placed directly on the ground, with cross bars at the bottom to ensure stability and prevent accidental tipping. Suitable for feeding grain feeds (maize, wheat, millet, etc.), ground crops and compound feeds. The grid cover is removable.

The feeder can be easily dismantled for regular cleaning and disinfection.

Poultry feeder, galvanized sheet, 50 cm



The galvanized sheet metal feeder is designed for feeding approximately 12 chickens or 8-10 adult hens at a time.

The feeder can be placed directly on the ground and its side legs ensure stability, preventing accidental tipping. It is suitable for feeding grain feeds (maize, wheat, millet, etc.), ground crops and compound feeds. The grid top of the feeder can be lifted up to allow easy filling with forage, regular cleaning and disinfection.

Poultry feeder, galvanized sheet, 24 holes, 50 cm



The galvanized sheet metal feeder is designed for feeding approximately 12 chickens or 8-10 adult hens at a time.

The feeder can be placed directly on the ground and its side legs ensure stability, preventing accidental tipping. It is suitable for feeding grain feeds (maize, wheat, millet, etc.), ground crops and compound feeds. The upper part with holes can be removed.

The feeder can be easily disassembled for regular cleaning and disinfection.

Poultry feeder, galvanized metal, 100 cm



A thick, durable plastic feeder for feeding up to 35 chickens or 16 adult hens at a time.

The feeder can be placed directly on the ground and its side legs ensure stability, preventing accidental tipping. It is suitable for feeding grain feeds (maize, wheat, millet, etc.), ground crops and compound feeds. The grid top of the feeder can be lifted up to allow easy filling with forage, regular cleaning and disinfection.

Poultry feeder, premium plastic, 9/20 liters



A thick, durable plastic feeder for simultaneous feeding of adult poultry.

This type of feeder ensures a continuous supply of feed. The closed container keeps the feed clean and free from contamination. The raised rim of the feeding bowl prevents the feed from spilling on the ground.

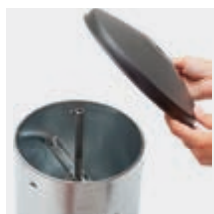
The feeder can be placed directly on the ground or suspended.

Poultry feeder, galvanized metal, 8/22 liters



Galvanized sheet metal feeder for simultaneous feeding of several adult poultry. Highly resistant to extreme weather conditions, it can be used both indoors and outdoors and does not break.

This type of feeder ensures a continuous supply of feed. The closed tank keeps the feed clean and free from contamination. The raised rim of the bowl prevents the feed from spilling on the ground.



Stainless steel bowl for cats

0338

Ø12cm
230ml



The bowl made of stainless steel is resistant to all environmental conditions, so it can be used both indoors and outdoors.

The rubber ring prevents the bowl from slipping and reduces noise produced by the animal during use. Can be used for both food (wet or dry) and liquids. It is easy to clean, does not alter the taste of the food and does not retain food odor.



Stainless steel bowl for dogs

0339

Ø16cm
450ml



The bowl made of stainless steel is resistant to all environmental conditions, so it can be used both indoors and outdoors.

The rubber ring prevents the bowl from slipping and reduces noise produced by the animal during use. Can be used for both food (wet or dry) and liquids. It is easy to clean, does not alter the taste of the food and does not retain food odor.



0340

Ø19cm
900ml



0341

Ø23cm
1800ml



0342

Ø26cm
2700ml



Set of 2 stainless steel pet bowls, Ø13 cm, 450 ml

0795



Ø13cm
2 x 450ml

Stainless steel bowls for dogs or cats. The two bowls sit stable and firm in the metal frame. Rubber stoppers prevent slipping. The smooth surface of the bowls allows easy removal of food scraps. The bowls are also dishwasher safe.

As the product is resistant to all environmental conditions, it can also be used outdoors. Two pets can be fed simultaneously.

Rabbit feeder, galvanized metal, 2.2 liters

0329



A self-feeding metal feeder for medium to large rodents (rabbit, chinchilla, nutria) kept in a cage. Refills from the top with significantly more feed than the actual capacity of the tank. Depending on consumption, the tank refills automatically.

Can be used for feeding animals with pellets, dry feed, or seed, significantly reduces feed waste. The bottom of the tank has holes to remove dust or liquids.

Dimensions: 14 × 13 × 23 cm.



Rabbit feeder, galvanized metal, 3 liters

0328



A self-feeding metal feeder for medium to large rodents (rabbit, chinchilla, nutria) kept in a cage. Refills from the top with significantly more feed than the actual capacity of the tank. Depending on consumption, the tank refills automatically.

Can be used for feeding animals with pellets, dry feed, or seed, significantly reduces feed waste. The bottom of the tank has holes to remove dust or liquids.

Dimensions: 19 × 13 × 23 cm.



Feeding bucket for horses, 12 liters

0465



Portable feeding bucket for selective feeding. Especially suitable for individual feeding of horses.

The sturdy webbing strap is attached to the bucket with two metal carabiners, its length can be easily adjusted to the size of the animal.



Salt lick holder

0447



Extremely sturdy salt lick holder, made of non-toxic plastic, with anti-chewing rim, to hold blocks of up to 10 kg.



Feed scoop, 0.7 liters



0468

The small dosing scoop is suitable for accurate weighing of the feed. The ergonomic handle allows a comfortable and secure grip.

Feed scoop, 1.3 and 2.1 liters



0462

The scoop with inverted handle is ideal for feeding bagged feed. The ergonomic design and rounded ends make it easy to take seeds or feed out of the bag or bucket.

0463



Constanta4 cattle and horse clipper, 21/23 teeth, 230 V



0680

~230 V, 400 W



Accessories

- Special clipper oil, 100 ml.
- Combined flat + cross screwdriver for blade replacement and machine maintenance.
- One set of spare carbon brushes.
- Instruction manual.

Constanta4 sheep clipper, 13/4 teeth, 230 V



0683

~230 V, 400 W



Accessories

- Special clipper oil, 100 ml.
- Combined flat + cross screwdriver for blade replacement and machine maintenance.
- One set of spare carbon brushes.
- Instruction manual.

The clipper is equipped with a 21/23 tooth blade set, i.e. the lower blade has 21 teeth and the upper one 23. This blade pair is suitable for both clean, dry and relatively dirty hair.

Thanks to the 230 V power supply, the clipper can be used continuously, allowing you to trim many animals over a long period of time.

The clipper is equipped with a 13/4 tooth blade set, i.e. the lower blade has 13 teeth and the upper one 4. This pair of blades is suitable for trimming animals with thick fur (e.g. sheep).

Thanks to the 230 V power supply, the clipper can be used continuously, allowing you to trim many animals over a long period of time.

Clipper blade set, 21/23

0681



Clipper blade set, 31/15

0682



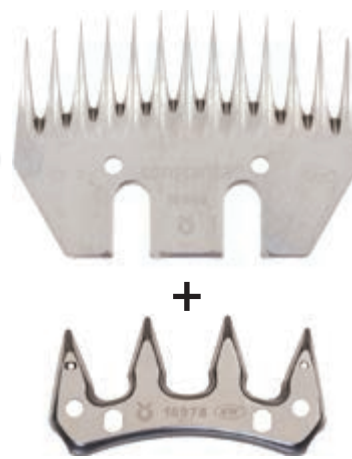
Wellington clipper blade set, 13/4

0687



Constanta4 clipper blade set, 13/4

0825



Upper blade for Constanta4 clipper, 4 teeth

0684



Lower blade for Constanta4 clipper, 13 teeth

0685



Upper blade for Wellington clipper, 4 teeth

0688



Lower blade for Wellington clipper, 13 teeth

0689



Oil for clippers

Oil for lubrication and cleaning of animal clipper blades.



Cooling and lubricating spray for clippers

Cooling, lubricating and cleaning spray for clipper blades to prevent overheating and blade damage.



Cooling spray for clippers

Cooling and cleaning spray for clipper blades to prevent overheating and blade damage.



Sheep shear

Special multi-purpose shear with professionally ground blades – can be used for shearing sheep as well as cattle, horses or dogs.



It is also a useful tool for gardening as it can be used for trimming grass, plants or cutting weeds.

Wire saw handle set

Metal handle set for wire saw – recommended especially for dehorning adult cattle.



Steel wire for wire saw

Spare saw wire – mainly for dehorning adult cattle, but also suitable for a wide range of other soft materials.



Electric dehorner with 18 mm tip

Electric dehorner for removing the horns of small animals (calves, lambs or kids). Package includes 18 mm tip, suitable for calves.



Dehorner burning tip

Dehorning tip for electric dehorner. The 18 mm tip is suitable for calves and the 15 mm tip for lambs and kids.



Hornstick

The hornstick is made from potassium hydroxide which acts to destroy horn cells in calves or lambs and prevents horn growth.



IceCool cooling spray

Cooling spray for cold shock treatment in preparation for dehorning.



Hoof and claw cutter for cows

Double jointed hoof and claw cutter, suitable for cows, horses, donkeys. Equipped with adjustment screw and replaceable blades.



Set of spare blades for hoof cutters

The set contains 2 steel blades and 6 screws for the transmission hoof cutter.



Hoof trimmers, straight blade

Sturdy hoof trimmers for therapeutic and prophylactic treatment of farm animals. Especially recommended for sheep and goats.



0869

Hoof trimmers, serrated blade

Sturdy hoof trimmers for therapeutic and prophylactic treatment of farm animals.



0870

Single-edged hoof and claw knife

Single-edged steel knife for the hoofs of sheep, goats and horses. For the left hand.



0859

Single-edged hoof and claw knife

Single-edged steel knife for the hoofs of sheep, goats and horses. For the right hand.



0860

Double-edged hoof and claw knife

Double-edged steel knife for the hoofs of sheep, goats and horses.



0861



Hoof abrasive disc, 115 mm

Standard abrasive disc made of turned steel with hard metal parts, medium roughness, with grain on both sides, specially designed for hoof care.

0823



Ø115 mm

Hoof abrasive disc, 125 mm

Standard abrasive disc made of turned steel with hard metal parts, medium roughness, specially designed for hoof care.

0679



Ø125 mm

Veterinary gloves, long, 100 pcs.

Disposable long veterinary gloves made of transparent polyethylene, orange, 100 pcs./box.



0959

Animeter measuring tape, 2.5 m

Measuring device for measuring the circumference of animals (pigs, cattle) in centimeters and estimating their live weight in kilograms.



0674

Stainless steel calf puller

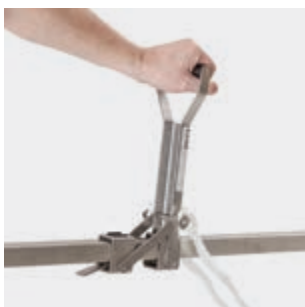
A veterinary instrument particularly suitable for difficult and complicated deliveries. Made of stainless steel, with two curved arms at the end that fit around the calf's head so it can be pulled out of the mother's birth canal.

The use of this device is standard veterinary practice and helps to minimize birth stress for both the newborn and the mother.



0746

180
cm



Veterinary trocar

Stainless steel veterinary instrument for abdominal perforation in ruminants, cattle, sheep, in case of bloat.



0975

120 x 7 mm

Blue disinfection spray

The product is suitable for the care of wounded skin of animals. It contains dexpanthenol and oregano oil. Does not contain antibiotics.



0740

200 ml

0741

400 ml

adOPT lamb adoption spray

0855



200 ml

The spray containing aromatic oils neutralizes the natural smell of sheep and lambs to help the ewe/goat accept the strange lamb/kid. The scientific blend of aromatic oils is designed to mask the natural odor of the baby animal to be adopted, suppress the ewe's sense of smell and reduce her natural instinct to reject the lamb.

Boar scent spray

0739



250 ml

This preparation comes to the aid of farmers and breeders who need help to determine the optimal time to inseminate sows.

It contains natural boar pheromones that induce and increase estrus in sows.

It can also be used to increase libido of reluctant boars.

No Fight anti-aggression spray

0738



400 ml

This preparation is excellent against cannibalism and excessive aggression in the herd. It is useful in keeping poultry, pigs and wild animals: pheasants, partridges, etc. The preparation neutralizes the smell in the animal room, thus calming the animals. Noticeable improvement and lack of aggression usually occurs after 2-3 days.

No Bite anti-cannibalism spray

0737



400 ml

Prevents animal cannibalism: biting and nibbling among piglets and other farm animals, which in overcrowded or deteriorated living conditions show mutual aggression.

The preparation is used in livestock units by direct spraying on the animals. It produces lasting changes in the olfactory stimuli of pigs.

Bloodless castrator for lambs

Precise veterinary instrument for bloodless castration of sheep and goats. Can be used for bloodless crushing of the vas deferens. Simply squeeze it for 20 seconds to freeze it.



0736

Castration forceps for pigs and sheep

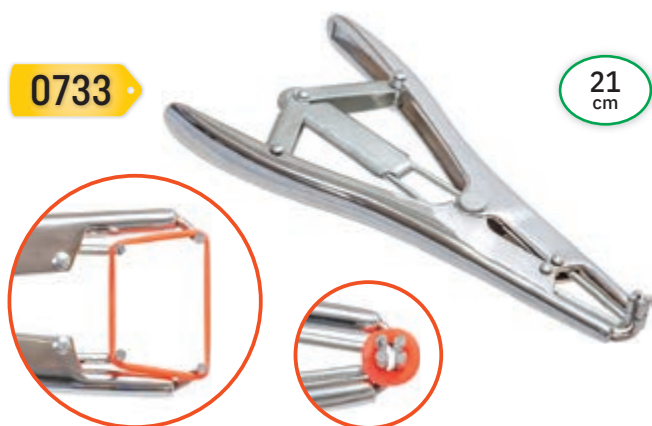
Stainless steel castration forceps for piglets. The special design of the cutting blade crushes blood vessels and spermatic cords. The tweezers are designed for piglets weighing up to 35 kg.



0735

Elastrator pliers

The tool can be used for quick and easy application of the castrating (elastrator) rubber rings.



0733

Elastrator rubber rings

Elastrator (castrating) rubber rings, for bloodless castration of various domestic animals.



0734

Bloodless castrator for bulls and horses



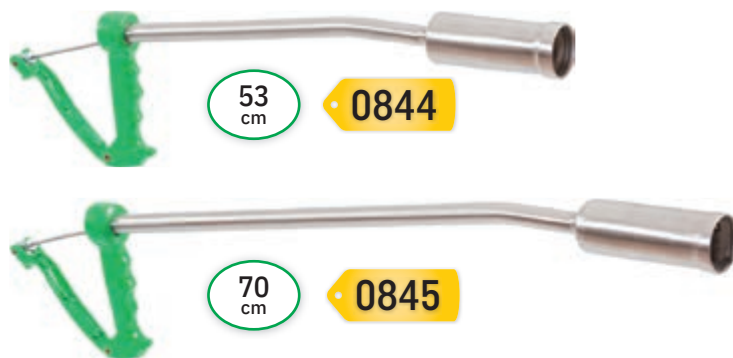
0905

Precise veterinary instrument for bloodless castration of bulls and horses. It can be used for bloodless crushing of the vas deferens.

The bloodless castration method can also be used in adult animals, but the best results are always obtained in young animals. From a practical point of view, this is the best method of castration, as the clamps do not leave large open wounds.

Ruminal magnet introducer

The device allows easy insertion of ruminal magnets into the digestive tract of cows. Made of stainless steel with plastic handle. Easy to use with one hand.



Ruminal magnet

Magnet for the prevention of internal injuries caused by metal objects accidentally present in the feed, and thus entering the digestive system of cows.



Calf weaning nose rings

Weaning rings for cattle. Super elastic material with high UV resistance. With adjustment screw.



For calves and young cattle

For young and adult cattle

For adult cattle

Calf weaning nose rings, aluminum



Aluminum weaning rings for young and adult cattle. Length: 14.5 cm.



Bull holder with coil spring

A device for immobilizing and guiding cattle. Made of nickel-plated cast iron.

0671



HARMS adjustable bull holder

A device for immobilizing and guiding cattle. Made of stainless steel.

0672



Bull holder with rope

A device for immobilizing and guiding cattle. Made of nickel-plated steel. Rope: 1.7 m.

0673



Nose ring applicator

Nose ring insertion pliers for cattle. Suitable for rings with an inner diameter of 52-54 mm (outer diameter ~70 mm).

0822



Nose ring for cattle

Nickel-plated nose ring for cattle (calves, cows, bulls), with screw lock. Inner diameter: 54 mm.

0817



72/54 mm

Nose ring applicator for pigs



0871

Galvanized steel pliers with a robust structure for applying wire nose rings.

Pig nose clips, 100 pcs.

Steel wire nose ring for pigs. The nose rings are inserted using the pig nose ring applicator.



Nr. 4

100 pcs.

0873

Nr. 5

100 pcs.

0874

Cow tail clip

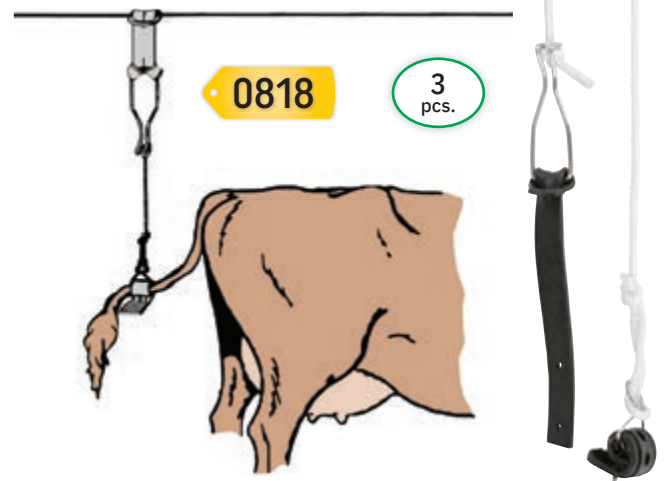
The cow tail clip prevents the animal's tail from moving or wagging during grooming, treatment or milking.



0748

Cow tail holder, 3 pcs.

Tail holder to prevent cows from getting dirty. Package contains 3 holders.



0818

3 pcs.

Cow immobilizer

When positioned correctly, it can prevent the animal from kicking during milking. It is manually adjustable for different sizes using the side holes and stop bolt: allows ergonomic lengthening and prevents accidental opening.



0747

Adjustable cow lifting frame

Simple cattle lifting device. The width of the device can be adjusted to the size of the animal.

After fixing the device to the animal's pelvis, lifting can be carried out, for example with a forklift.



0809

AniShock PRO 2500 prodder

0785

70
cm

High voltage electric prod for animals. Maximum voltage = 6000 V.

Emits a high-frequency sound when switched on for a psychological effect on animals. Electric shock is produced only when the animal is touched.

Ni-Cd accumulator operated. Dirt and moisture resistant (IP45), washable with water. Break-proof polycarbonate rod.

The package includes a special mains adapter for charging.

Technical specifications

Maximum voltage	6000 V
Acumulator	Ni-Cd, 1800 mAh
Total length	98 cm
Rod length	71 cm



Pig holder

0732

60
cm

Taming bar for guiding pigs or boars. The long, rubber coated handle allows you to guide even a strong and vicious animal with confidence. A practical mechanism automatically locks the possibility of slack in the rope, so the rope remains tight until the operator releases the lock.

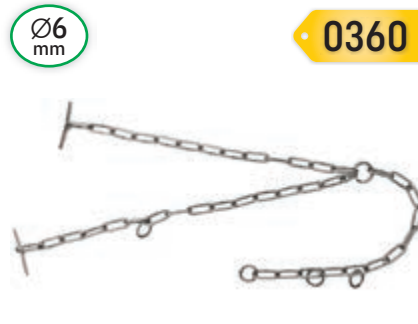


Cow chain, Ø5, Ø6, Ø7 mm

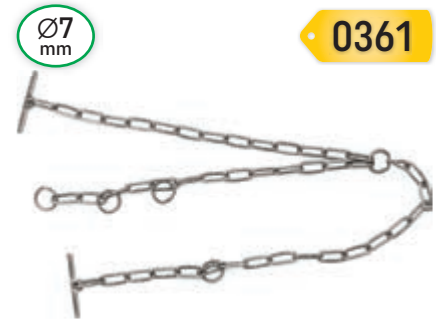
The chain is fitted with T-stops and rings for diameter adjustment. It is also fitted with a rotator that allows the animal to move for long periods without twisting or shortening the chain.



Link thickness	5 mm
Suspension chain length	80 cm
Collars	65 + 65 cm



Link thickness	6 mm
Suspension chain length	80 cm
Collars	60 + 60 cm



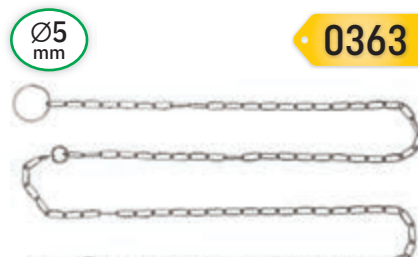
Link thickness	7 mm
Suspension chain length	85 cm
Collars	70 + 70 cm

Cow chain with carabiner, Ø4, Ø5, Ø6 mm

Cow chain with carabiners for cattle. The chain is fitted with a 9 cm diameter ring at one end and a 10 cm carabiner at the other.



Link thickness	4 mm
Chain length	5 m



Link thickness	5 mm
Chain length	5 m



Link thickness	6 mm
Chain length	5 m

Rotating ring for chain, Ø6 mm



• 0365

The combination of rotating rings allows the rings to rotate around the shaft, preventing the chain or rope from twisting.

Link thickness	6 mm
Ring diameter	4.5 and 5 cm

Synthetic collar for cows and bulls



The collar is made of comfortable synthetic material. It is very stable, with a double row of holes, leather-reinforced, adjustable in 11 positions and fitted with a D-ring.

Collar length: 150 cm
Strap width: 5 cm

• 0471

Cow neck strap



A universal calf and cow neck strap made of high-quality nylon with a D-ring. The metal parts are galvanized, protecting the strap against corrosion.

Collar length: 85 cm
Strap width: 4 cm

• 0677

Universal cattle collar with chain



Leather-reinforced universal cattle collar. Made of high quality nylon, equipped with single chain, rotating carabiner and ring.

The metal parts are galvanized.

• 0678

Collar length: 100 cm
Collar width: 4 cm
Chain length: 60 cm

Halters for calves



The collar is reinforced with leather for durability and strength. The adjustable buckle makes it easy to adjust to the animal's head. The metal parts are galvanized.

• 0903

Head strap length: 55 cm
Collar width: 4 cm

Halters for cattle



Comfortable halter made of synthetic material with leather reinforcement. Head and nose strap adjustable in 6 positions.

• 0366

Head strap length: 100-120 cm
Nose strap length: 23-30 cm
Collar width: 4 cm

Halters for cattle, with chain



• 0367

Comfortable halter made of synthetic material with leather reinforcement and adjustable chain. Head strap adjustable in 6 positions.

Head strap length: 100-120 cm
Chain length: 35 cm
Collar width: 4 cm

Halter for sheep and rams



• 0988

Durable and comfortable halter made of synthetic material for sheep and rams. The metal buckle on the head can be adjusted to the desired size so that it can be used with animals of different sizes and breeds.

Strap width: 2 cm
Diameter at head: ~60 cm
Diameter at the nose: ~44 cm

Halter for cows and bulls



• 0675



• 0676

Universal halter, made of durable and comfortable synthetic material. The metal parts and buckles are galvanized.

Strap width: 2.5 cm
Large diameter (back): 94-104 cm
Small diameter (front): 62-72 cm



Sheep marking spray



High quality, fast drying, intensely colored spray for temporary marking of sheep. After shearing, the dye can be easily removed from the wool.

Alcohol based.

500 ml

TopMarker marking spray for cows, pigs and goats



A high quality, fast drying, intensely colored spray for temporary marking of cows, sheep, goats and pigs.

Alcohol based.

500 ml

Short-term animal marking pen



Animal marking pen for short-term marking of cattle, pigs or sheep. Intense color with high opacity.

Wax and paraffin oil based.

60 ml

Ear tag pliers for FlexoPlus and MultiFlex

Professional pliers for inserting FlexoPlus and MultiFlex ear tags.

FlexoPlus

MultiFlex

0848



FlexoPlus ear tags for cattle

Set of yellow ear tags for cattle.

55x57 mm

25 pairs

0849



25 pairs

55x80 mm

0850



Ear tag pliers for Prima-Flex

Professional pliers for inserting Prima-Flex ear tags.

Prima-Flex

0851



Prima-Flex ear tags for sheep

Prima-Flex plastic ear tags, especially for sheep. Each pack contains 25 pairs.

44x46 mm

25 pairs

0852



25 pairs

44x46 mm

0853



25 pairs

44x46 mm

0854



Wettschliff scythe, without handle

Standard scythe, hand-forged, oil-hardened, polished and grinded. The surface is coated with anti-rust paint.

0725



65
cm

0726



70
cm

Holstein shovel, without handle

The shovel is made of hardened steel, painted red. Durable and easy to use.

0716



27×25
cm

Aluminum shovel, without handle

Lightweight and stable shovel made of aluminum with galvanized steel edge. The profiled shape allows you to load more material on the shovel and prevents material from spilling during use.

0713



28
cm

0714



32
cm

0715



36
cm



Snow and grain shovel, without handle

Lightweight and stable shovel made of durable plastic, reinforced with an aluminum profile. It has folded edges, so grain or snow does not spill during use. UV and negative temperature resistant.

0722



42 × 40 × 10 cm



Hay and manure fork, without handle

The fork is forged, made of one piece of material and hardened. Available without handle.

0719

30×30
cm



0717

31×23
cm



0718

31×24
cm



Silo fork, without handle

0830

35×29
cm



The fork is forged, made of one piece of material and hardened. Suitable for silage, loading hay bales or cleaning stalls.

Hay and bale fork, without handle

1035

28×21
cm



The fork is forged by hand from a single piece of material and is hardened. Suitable for laying straw and bales.

Potato fork with 9 tines, without handle

0723

36×27
cm



The fork is forged by hand from a single piece of material and is hardened. It is suitable for harvesting potatoes. The ball points prevent the potatoes from crushing.

Hay and manure fork, with handle

The fork is forged by hand from a single piece of material and hardened. The curved tail is made of ash wood and is waxed. Handle length: 135 cm.

0721

31×23
cm



0720

30×30
cm



Bended handle for tools (shovel, fork)

Bended handle for various tools – shovel, fork, etc. Made of ash wood, shock-resistant. The handle has a conical profile at that end which fits into the tool. Length: 135 cm.



Box rake

A straight manure scraper and rake in one, made of fibreglass plastic, with a wide range of uses. The straight, scraper side is suitable for removing manure and animal droppings, while the rake is suitable for litter removal and stable cleaning.



Muck and slurry pusher

Powder-coated steel straight scraper for removing manure and excrement. Equipped with a replaceable ammonia-resistant rubber blade.



Muck and slurry pusher, half-round

Powder-coated steel half-round scraper for removing manure and excrement. Equipped with a replaceable ammonia-resistant rubber blade.

The rubber blade contains mesh inserts that guarantee a high level of flexibility and prevent fractures and cracks.



Wooden back broom without handle

Wooden backed broom for large surfaces with red elastane bristles. The handle holder is fastened with screws. Delivered without handle.



Broom handle

Shock-resistant broomstick made of poplar wood. With rounded end.



0731

130×2.4 cm

Boot cleaner



Useful device for quick and efficient boot cleaning. Easy to use without removing the boots.

Allows you to mix detergent or disinfectant into the wash water.

The device has a stainless steel frame and comes with 5 plastic brushes that can be changed when worn out.

Gilmour water spray gun

Water spray gun, suitable for hot and cold water.



0811

Spray grip

Handle for comfortable application of sprays.



0742

Fly catcher adhesive paper

Adhesive paper for catching flies and flying insects in the stable.



0911

0.3x7
m

Rain gauge, 40 liters/m²

Rain gauge for small amounts of precipitation.



0745

ratStop rat trap with bait

Hard plastic rat trap with bait.



0772

mouseStop mouse trap set with bait

Hard plastic spring-loaded mouse traps with bait.



0771

Mouse trap set with wooden base

Mouse traps made of high quality wood and steel.



0769



Blitz Kerner stunner

0980



An extremely safe stunning gun that allows fast and painless stunning of livestock. It is not classified as a firearm and complies with EU animal welfare legislation.

The use of this device is not subject to authorization, but you must use it at your own risk, in compliance with the laws in force.

Red cartridge for stunning gun

Stunning gun cartridge for large animals (horses, cattle and adult bulls).

0979



50 pcs.

Blue cartridge for stunning gun

Stunning gun cartridge for medium to large animals (large pigs, young cows and bulls).

0978



50 pcs.

Yellow cartridge for stunning gun

Stunning gun cartridge for medium animals (sheep and goat, medium sized calves and pigs).

0977



50 pcs.

Green cartridge for stunning gun

Stunning gun cartridge for small animals (piglets, lambs, kids, calves).

0976



50 pcs.

Hay bale cover



Bale cover tarpaulins offer a cost-effective solution for farmers – their use is very efficient as they cost a fraction of the price of a covered structure. Another advantage is its mobility, i.e. it is not fixed in one place like a building. We offer six types of tarpaulins, each capable of covering rails constructed from three types of standard bales.

Tarpaulin dimensions Product code	Number of bales $\varnothing 1.2 \times 1.2$ m that can be covered	Number of bales $\varnothing 1.5 \times 1.2$ m that can be covered	Number of bales $1.2 \times 2.4 \times 0.9$ m that can be covered
7.6 × 12.5 m 0545	60 pcs. 10 pcs. →	30 pcs. 10 pcs. →	30 pcs. 5 pcs. →
7.6 × 25 m 0546	120 pcs. 20 pcs. →	60 pcs. 20 pcs. →	60 pcs. 10 pcs. →
9.8 × 12.5 m 0547	100 pcs. 10 pcs. →	60 pcs. 10 pcs. →	50 pcs. 5 pcs. →
9.8 × 25 m 0548	200 pcs. 20 pcs. →	120 pcs. 20 pcs. →	100 pcs. 10 pcs. →
12 × 25 m 0549	300 pcs. 20 pcs. →	200 pcs. 20 pcs. →	150 pcs. 10 pcs. →
15.6 × 25 m 0550	420 pcs. 20 pcs. →	300 pcs. 20 pcs. →	280 pcs. 10 pcs. →

Bale cover fixing nail

Galvanized metal fixing nail for fixing the bale covers.

0551



Bale cover fixing ring

A special fixing ring designed for fixing the bale covers.

0552



Sandbag for bale covers

A sandbag to hang on the bale cover tarpaulin to anchor the bale cover.

0840



Bale cover sandbag mounting clip

A special fixing clip designed to attach sandbags on the bale cover.

0841



Moisture meter for hay and straw, Draminski

Digital device for measuring moisture and temperature in baled hay, straw and tobacco.

This tool is indispensable for any farmer – by monitoring the moisture and temperature inside the bales, you can effectively prevent the risk of loss or fires caused by self-heating.



0944



Bale net, XES Extreme



Net-covered bales minimize the loss of fibre fodder during baling and transport. The net prevents wind or other environmental factors from blowing the fibres away.

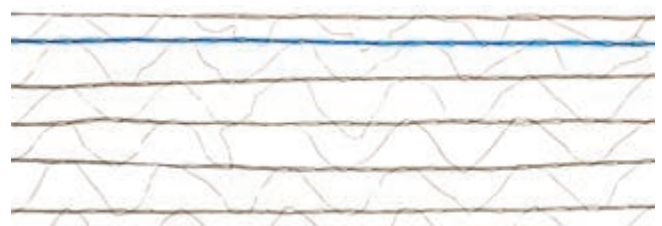
The even surface of the bale net allows moisture to drain away from the bale, which helps reduce feed storage losses. This is particularly important in wet weather where moisture can damage the quality of the forage. Bales surrounded by netting are more stable and retain their shape better, which makes them easier to move and store.

Technical specifications

Width	1.3 m
Length	3000 m
Breaking strength	300 kg
Weight	11.9 g/m
Material	HDPE
UV resistance	12 months

DLG certification

The bale net is continuously tested in DLG quality assurance tests, where its parameters are evaluated on test benches and under laboratory conditions. Various parameters, such as mechanical, physical and ageing properties, as well as the running length of the net are measured. In addition, practical tests are carried out to assess the manageability of the mesh.

1243
1.3 × 3000 m

**CONTINUOUS
MONITORING**

DLG Test Report 7439

Bale wrapping foil



The foil is suitable for wrapping hay bales or other plants after harvesting for ensiling.

The multi-layered structure provides excellent protection against air access. The film is highly puncture and tear resistant and can be used for forage plants with tough stems.

The good adhesion properties ensure easy sticking of the ends of the roll and excellent adhesion of the layers, preventing oxygen penetration into the bale. Significant film stretchability of 50-70%.

Benefits



Protection against bird and rodent attacks.



12 months of UV protection.



Made from 100% recycled materials that can also be recycled.



Wrapped on a plastic tube that is not damaged by moisture.

1315

0.75 × 1500 m



25 µm

1316

0.5 × 1800 m



25 µm



Nora IDRO High work boots



Unisex PVC work boots, classic, high-top, with easy-to-clean polyester lining. Ideal for gardening, farming or other leisure activities. Resistant to oils, fertilizers or various chemicals (acid, alkali) under certain conditions.

Size	Product code
38	1297
39	1298
40	1299
41	1300
42	1301
43	1302
44	1303
45	1304



Nora IDRO Low work boots



Unisex PVC work boots, classic, mid-height, with easy-to-clean polyester lining. Ideal for gardening, farming or other leisure activities. Resistant to oils, fertilizers or various chemicals (acid, alkali) under certain conditions.

Size	Product code
38	1305
39	1306
40	1307
41	1308
42	1309
43	1310
44	1311
45	1312



Milking and washing apron



Lightweight apron made of resistant plastic. Resistant to water, tears, splits and chemicals.

Ideal for agricultural, home and yard work. Features an adjustable plastic buckle for a comfortable fit.

Heat resistance: -25...+70 °C.

0670

120×80
cm



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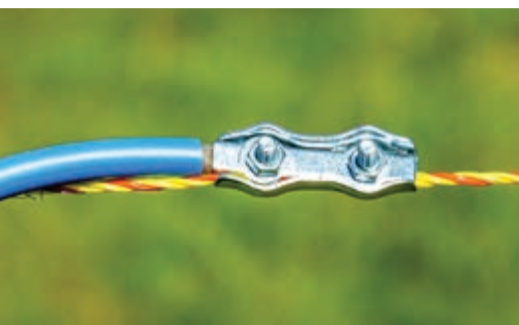
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PRODUCT CATALOGUE

ELECTRIC FENCES
ZOOTECHNICAL EQUIPMENT

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