

Posts, wires, tapes and ropes



The right post to use is determined by the type of fence. Permanent fences are built with wooden posts, and temporary fences with fibreglass, plastic or steel posts. The choice depends on the nature of the ground, how often the fence will be moved, and what animals are to be fenced. We recommend impregnated wooden posts along fences with bigger dimensions, as well as for corner posts. Preferably use pre-stretched, triple galvanized wire on UV-resistant black insulators since pre-stretched wires stretch very little after installation. Remember that good earthing is essential for a well installed and effective electric fencing system. If the ground is sandy or very dry then securing good earthing is even more important. To earth a permanent fence, choose a place where the ground is always damp.

Mobile fences help you to optimize grazing as the complete system can be moved as the grass grows. Light but strong and resistant components make good fences that are quick to erect and easy to move. In most cases we recommend fibreglass posts, with wooden corner posts for stability.



DeLaval fibreglass posts

Fibreglass is the modern material for posts. They are easy to drive into the ground, lightweight and clearly visible.

Fibreglass post BW110

For cattle. With a strong and stable foot for easy fencing. 110 cm.
Art. no. 97270462

Fibreglass post BW150

For horses. With a strong and stable foot for easy fencing. 150 cm.
Art. no. 97270463

Fibreglass post B112

Without foot, for cattle. 112 cm.
Art. no. 97270465

Extra insulators

For fibreglass post. 25 pcs.
Art. no. 97270480

Fibreglass post BW110/150

Our BW fibreglass posts are ideal for temporary fencing. They are lightweight and easy to carry. 50 posts weigh just six kilograms but are still durable and stable.

It is easy to drive the post into the ground. Use foot pressure to drive the post down and fix it in place.

The post is equipped with two insulators. The height of the lower insulator is adjustable. The insulators can handle tapes (up to 12 mm), wires and ropes.



DeLaval plastic posts

Made in durable material and with several fixed insulators. The foot has a spike that can be efficiently driven into the ground.

Plastic post for cattle

Basic 105 cm.
Art. no. 94247030

Premium 108 cm.
Art. no. 94247031

Plastic post for horses

Basic 140 cm.
Art. no. 94247040

Premium 142 cm.
Art. no. 94247041

Premium 169 cm.
Art. no. 94247042

Plastic post for wild boar, golf courses etc.

75 cm.
Art. no. 94247032



The specially designed foot on our premium plastic posts is very durable



DeLaval spring steel posts

Steel posts are used for temporary fences and preferably when the ground is hard.

Grey oval spring steel post, with a multi-purpose insulator

For cattle. 105 cm.
Art. no. 94247060

Steel post insulator

25 pcs.
Art. no. 94247061



Steel post top insulator

25 pcs.
Art. no. 94247062



Steel post top insulator

RECOMMENDED WIRE HEIGHTS AND NUMBERS OF STRANDS FOR DIFFERENT TYPES OF ANIMALS

Animal	Number of strands	Wire height	Animal	Number of strands	Wire height		
	Cattle	1 to 2	50 + 90 cm		Sheep Goats	2 to 4 3 to 4	30 + 50 + 70 + 90 cm 30 + 50 + 70 + 90 cm
	Horses	2 to 3	60 + 90 + 120 cm		Pigs	2	25 + 50 cm



1 Energizer

You need to decide on a battery or mains operated energizer. If possible choose a mains operated energizer which provides high energy output and low running costs. Mains operated models are normally used for permanent fences; and battery operated for temporary fences. The required performance is dependent on the fence length, type of animals and vegetation conditions.

2 Connection to energizer

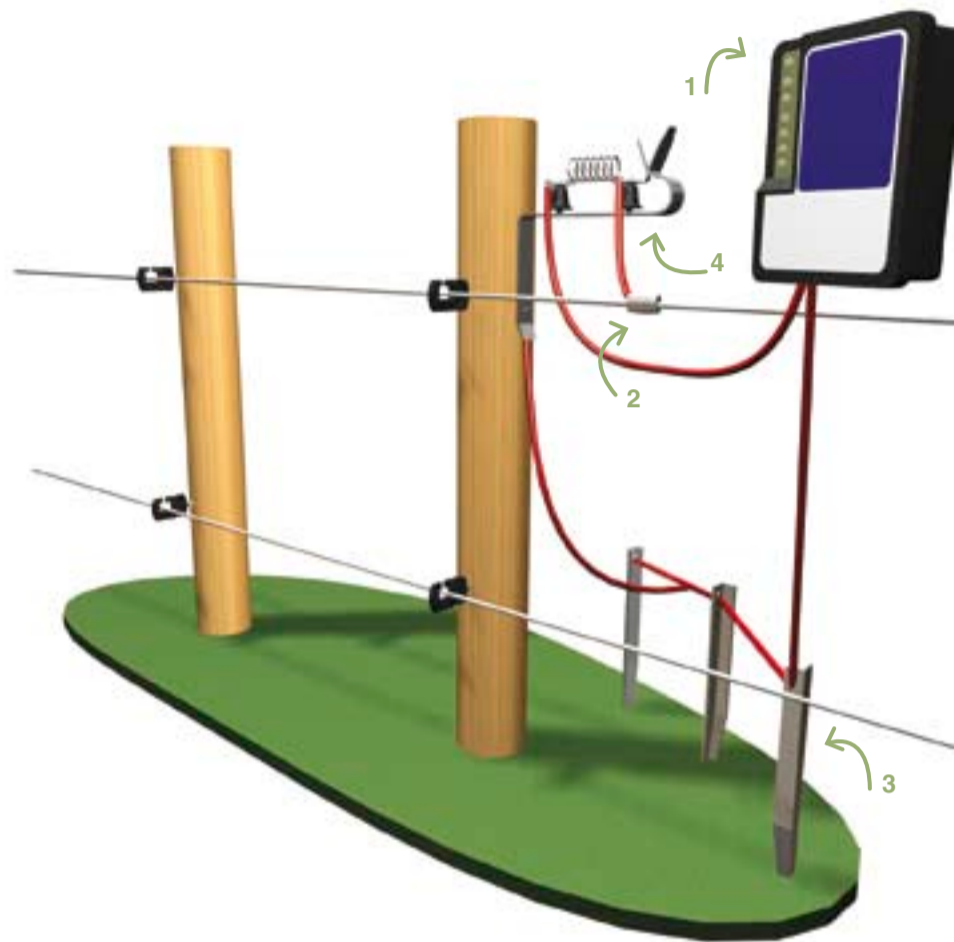
The easiest way to connect the fence wire is to use a wire joint that will give good contact between the conductors. Use an earth and wall cable from the energizer to the fence.

3 Earthing

A minimum of three earthing rods must be used to earth fences. Our 115 cm rods are placed at a distance of three to four metres from each other, approximately 80 to 100 cm down in the earth. Try to find a place with damp ground. When earthing conditions are poor, use an earth cable and do the earthing somewhere along the fence.

4 Lightning protection

Lightning strikes are one of the greatest threats to an electric fence. By installing at least one lightning protection on the fence side, you will reduce the risk of lightning damaging the energizer.



Ring circuit and interconnection

Here are two ways to improve reliability.

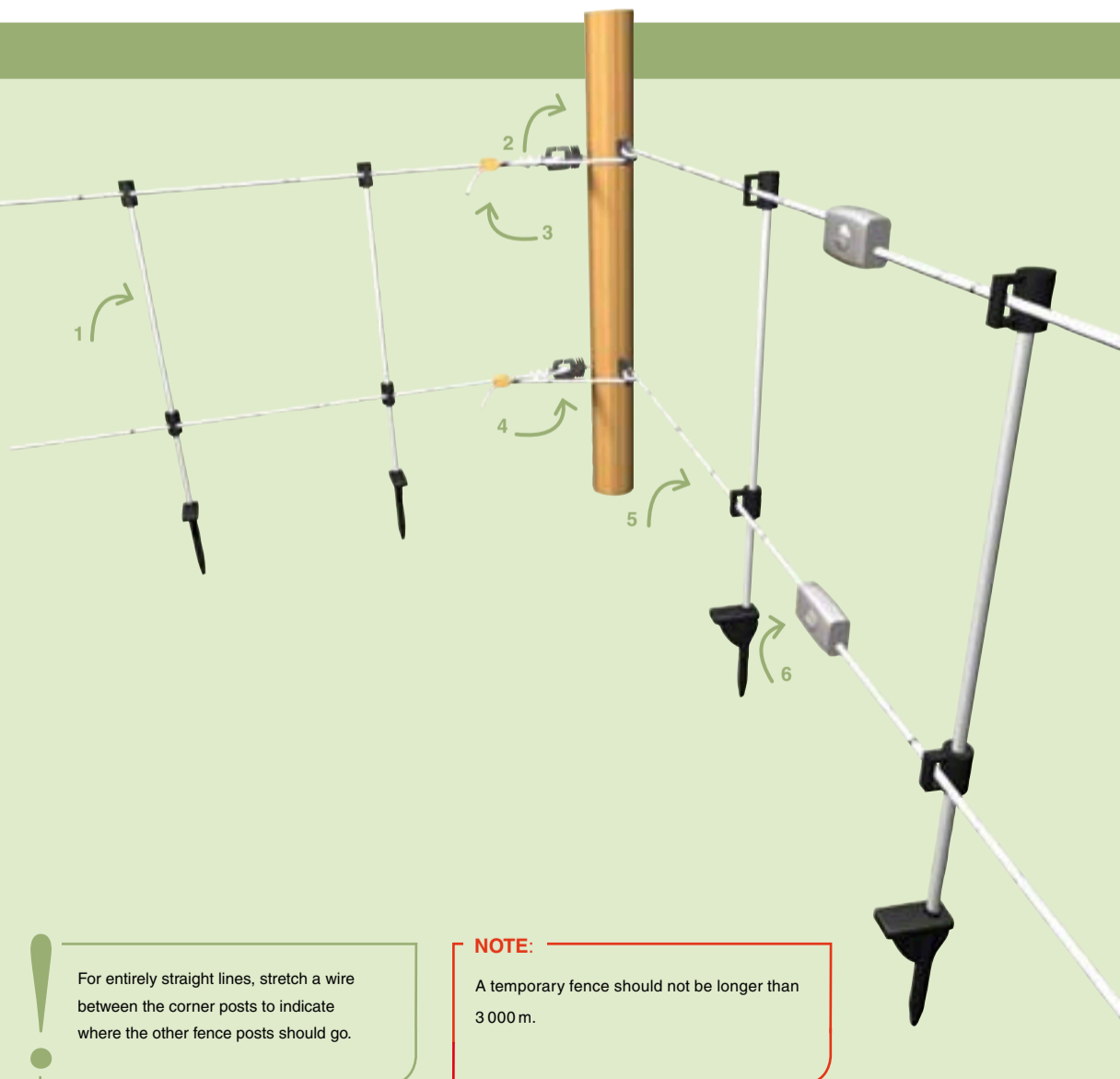
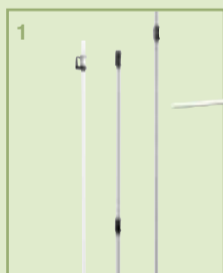
- A ring circuit means that the fence is made as a closed loop. If the wire is broken, the current will reach the system from two sides and the fence will still be electrified.

- Interconnection means that wires of a multiwire fence are connected every 200 m. If one of the wires are broken the current will pass and break through the intact wire.

Temporary fencing

With temporary fences you can optimise grazing by moving the complete system as the grass grows. To help ensure simple and quick use, our temporary fences are light and strong.

- 1 In most cases we recommend fibreglass posts. They are light-weight, easy to carry and durable.
- 2 Use wooden corner posts to make the system stable.
- 3 We recommend ending a wire/rope at a corner. Use the wire connector to create a strong joint to the next wire/rope.
- 4 We recommend using a ring insulator on wooden corner posts.
- 5 Wires and ropes should be made of durable polymer with conductors woven into the material. These are easy to use when rebuilding and their bright colours are clearly visible to animals.
- 6 When tying two ropes together there is a big risk of poor connection. The wire connector makes the joint strong and reliable.
- 7 Use a reel when putting up or taking down wires/ropes and tapes.



For entirely straight lines, stretch a wire between the corner posts to indicate where the other fence posts should go.

NOTE:

A temporary fence should not be longer than 3 000 m.

Energizers



New generation DeLaval energizers are in the forefront of the market for lead-free production, complying with EU regulations. They provide reliable performance in a range of solutions to suit different conditions. Energizer housings are formed in solid polycarbonate (PC) material, using an in-mould technique for a securely embedded, long-lasting label. Thorough testing by DeLaval helps to ensure the durability of these robust, high performance energizers.

Double connection terminals on the large energizer housings make it easy to share the unit between two fences, or to use it for temporary strip-grazing. Highly visible control lamps mean that DeLaval energizers are easy to operate and supervise.

We recommend using mains operated units where possible, because they provide higher energy output and low running costs. The choice of energizer will depend on the level of performance required. This is determined by the length of fence, type of animals, and the vegetation.

Mains operated energizers



It is important to choose the best energizer as they are the heart of an electric fence. We have developed a new range of energizers to increase performance and improve the design. This new range includes mains, battery and portable energizers.

- Very solid PC-housing
- UV-protected
- In-mould technology on label
- LED display 1 000 to 6 000 V
- Double connection terminals; very strong and suitable for paddocks and short pastures (large housing only)
- Control function indicator



DeLaval energizer 30M and 50M

These mains operated energizers are for use on short and medium sized fences in normal conditions.

DeLaval energizer	30M	50M
• Stored energy:	3J	4.8J
• Energy consumption:	6W	9W
• Max. output voltage:	11 000 V	11 000 V
• Max. theoretical length:	60 km	70 km
• In difficult conditions:	2 km	2.5 km
	230 V, 50 Hz	230 V, 50 Hz
	Art. no. 94300010	Art. no. 94300020



DeLaval energizer 60M and 120M

Powerful mains operated energizers to use with long fences or in heavy undergrowth. The double connection terminals enable running two fences with one energizer or temporary strip-grazing.

DeLaval energizer	60M	120M
• Double connection terminals	✓	✓
• Stored energy:	6J	12J
• Energy consumption:	9 W	14 W
• Max. output voltage:	9 500 V (9 000 V)*	9 500 V (9 000 V)*
• Max. theoretical length:	80 km	150 km
• In difficult conditions:	3 km	10 km
	230 V, 50 Hz	230 V, 50 Hz
	Art. no. 94300030	Art. no. 94300040

* on second terminal



DeLaval energizer 26K

An energizer that offers power for long fences and tough fence conditions with heavy vegetation. The dual power supply system enables you to use mains or battery supply. DeLaval 26K is equipped with light LEDs that provide information about fence conditions and performance. It is prepared for DeLaval fence control unit FCU, an optional remote control via GSM that lets you control the energizer via your mobile phone.

DeLaval fence control unit FCU

- Power supplied with 5 V from the energizer
- Consumption 350 mA in training mode and 20 mA in resting mode.

Art. no. 91730080

DeLaval energizer 26K

- Stored energy: 26 J
- Max. output voltage: 9 200 V
- Max. theoretical length: 380 km
- In difficult conditions: 80 km
- Power supply: 230 V mains and/or 12 V battery

Art. no. 91600080



DeLaval energizer 10M and 20M

These basic mains operated energizers are suitable for short and medium sized fences. They are easy to use and have a clear indicator for easy supervision.

DeLaval energizer	10M	20M
• Stored energy:	1.5 J	2.5 J
• Energy consumption:	2.2 W	4.4 W
• Max. output voltage:	7 850 V	8 750 V
• Max. theoretical length:	30 km	40 km
• In difficult conditions:	0.8 km	1.5 km
	230 V, 50 Hz	230 V, 50 Hz
	Art. no. 92198080	Art. no. 94290080

Battery operated energizers

DeLaval energizer 16B

This strong battery energizer is for short fences. To be used with a 12 V re-chargeable battery and can easily be connected to a solar cell. Includes a set of connection cables and an earth cable.

6-level voltage control – in steps of 1 000 volts for easy supervision.



DeLaval energizer 16B



DeLaval energizer 20B

Solar cell holder for energizer 20B

Art. no. 94247001

DeLaval energizer 20B

Extremely powerful 12 V energizer, prepared for solar cell connection. DeLaval 20B works with a potentiometer for easy adjustment to suit different animal applications. It is also equipped with

DeLaval energizer	16B	20B
• Stored energy:	1.6 J	2.0 J
• Energy consumption:	160 mA	50-250 mA
• Max. output voltage:	9 000 V	11 000 V
• Max. theoretical length:	30 km	40 km
• In difficult conditions:	3 km	2 km
• Incl. set of connection and earth cable	✓	✓
• Incl. earthing rod	✓	-
• On/Off switch	✓	✓
	Art. no. 94300070	Art. no. 94300064

DeLaval energizer 50B and 100B

Our strongest battery energizers for medium and long fencing with a 12 V rechargeable battery. Double connection terminals enable you to run two fences with one energizer or temporary strip-grazing. Equipped with an on/off switch and can be connected to a solar cell.

connected it will run on mains current, but if this cuts out it will automatically switch to battery power.



DeLaval energizer 100B



DeLaval energizer 25BM

Mains adapter for 25BM

Art. no. 94247081

DeLaval energizer 25BM

A combined battery and mains energizer and a useful compliment to the existing assortment. It mainly operates on batteries, but can be mains operated by using an adapter. If both battery and mains are

DeLaval energizer	50B	100B	25BM
• Double connection terminals	✓	✓	-
• On/Off switch	✓	✓	-
• Stored energy:	5 J	10 J	2.5 J
• Energy consumption:	500 mA	1 000 mA	350 mA
• Max. output voltage:	8 000 V	9 000 V	10 000 V
	(6 400 V)*	(7 000 V)*	
• Max. theoretical length:	80 km	120 km	50 km
• In difficult conditions:	8 km	10 km	1.7 km
• Incl. set of connection and earth cable	✓	✓	✓
	Art. no. 94300080	Art. no. 94300090	Art. no. 94300075

* on second terminal

Portable energizers

DeLaval energizer 2B and 4B

Easy to use, portable 9 V or 12 V battery energizers for short fences and strip-grazing. Equipped with on/off switch. An optional ready-to-use solar cell kit – a 2.2 W solar cell panel, a support for the panel and a cable set – is also available.

or plantation protection. It has an integrated earthing rod and delivery includes all connection cables. It is operated by four 1.5 volt batteries or one 6 volt lantern battery (block battery), batteries not included.



DeLaval energizer 4B



DeLaval energizer 1C

Solar cell kit for DeLaval 2B and 4B

2.2 W solar cell panel

Art. no. 94247000

DeLaval energizer 1C

A very handy battery energizer for strip grazing, small animals

DeLaval energizer	2B	4B	1C
• On/Off switch	✓	✓	✓
• Stored energy:	0.18 J	0.35 J	0.08 J
• Energy consumption:	30 mA	44 mA	12 mA
• Max. output voltage:	8 600 V	9 000 V	6 000 V
• Max. theoretical length:	4 km	8 km	1 km
• In difficult conditions:	0.3 km	1.5 km	-
• Incl. connection and earth cable	✓	✓	✓
• Incl. earthing rod	✓	✓	✓
	Art. no. 94300050	Art. no. 94300060	Art. no. 94300095