



## Ground-operated cutter of LV overhead electrical conductors

**EA 0143**

The **ground-operated cutter** is used for the ground cutting of low voltage overhead electrical conductors in emergency situations.

The cutter includes the following components:

- a. **cutting scissors actuated by a lever and pulley system (1 piece)**
- b. **telescopic insulating stick (1 piece)**

The **cutting scissors** are designed to facilitate the cutting of the conductors from the ground. The cutting knives are made of high-alloy steel with great mechanical strength. In order to reduce the cutting force, the operating lever of the mobile knife is actuated from the ground with a rope, passed through a system of 2 pulleys.

The coupling system of the cutting scissors with the telescopic insulating stick is of “**universal**” (sunrise) type.

The **telescopic insulating stick** includes 5 insulating tubes made of GRP, according to the requirements of SR EN 61235:1999.

For the firm locking of modules in extended position, these are provided with square lock buttons, and the upper areas of the sections (provided with sockets for the lock buttons) are covered with elastic transparent sleeves, in order to increase the operating period of the stick.

The stick is provided with hinged sole in order to be positioned (maintained) on the ground during works and a metallic coupling system that allows an appropriate fixing of the cutting scissors.

**It is not recommended to operate the scissors and handle the stick without supporting it on the ground.**

Both the cutting scissors and the insulating stick are delivered in **waterproof bags**.



### Technical characteristics

|   |                     |                        |
|---|---------------------|------------------------|
| Transport length - stick (m)                    | 1,9                 |                        |
| Maximum length extended stick (m)               | 7,5                 |                        |
| Tubes diameter (mm)                             | max. 60 (± 1,5)     |                        |
| Cutting scissors length (m)                     | 0,5                 |                        |
| Maximum cutting height (m)                      | 8                   |                        |
| Maximum diameter of cables that can be cut (mm) | 25                  |                        |
| Types of conductors that can be cut             | Aluminum (AAC type) | Steel - Al (ACSR type) |
| Maximum conductors diameters (mm)               | 22,5                | 9,6                    |
| Maximum conductors sections (mm <sup>2</sup> )  | 300                 | 56,3 (ACSR 50/8)       |

