



## TECHNICAL MANUAL

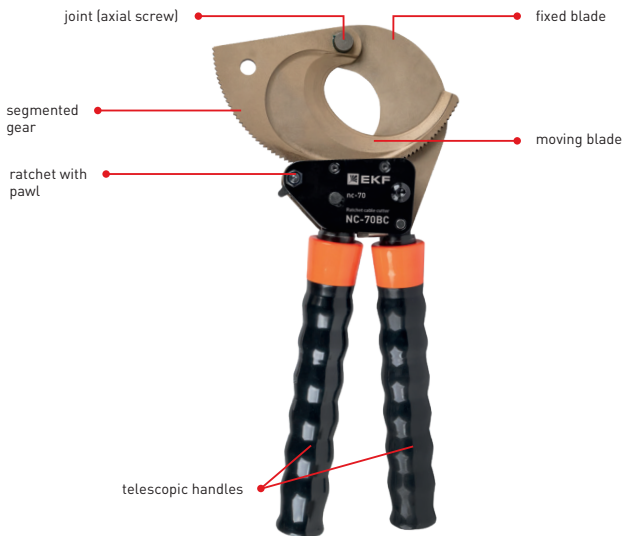
Ratchet cable cutter  
NC-70BC EXPERT EKF

EXPERT

EKF

## 1 DESCRIPTION

Ratchet cable cutter NC-70BC is designed for cutting copper and aluminum armored cables with a diameter of max. 75 mm, including those reinforced with steel wire, marine cables (with a thick internal insulation), and communication cables up to 3600 pairs.



## 2 OPERATION

1. Take the cutter out of the bag.
2. Extend the handles fully and ensure they are locked into the working position.
3. Place the cable against the fixed blade. Press the handle lock. While keeping it pressed, rotate the moving blade until it is in contact with the cable. Lock the segmented gear of the moving blade with the ratchet pawl.
4. Squeeze the handles repeatedly until the cable is cut cleanly and smoothly.

## 3 DESIGN

For main elements of the ratchet cable cutter NC-70BC, refer to the figure below.

To cut a wire (cable), the moving blade rotates around its axis. The enhanced blade geometry ensures an optimal cutting effort for perfect accuracy, minimal deformation, and cable integrity.

Every time the handles are pulled apart, the blade moves forward one stroke, while the lock keeps it from reverse stroke. The number of cuts depends on the diameter of a wire (cable). Smaller gear train teeth size allows for lower cutting effort.

## 4 SAFETY REQUIREMENTS

1. Ratchet cable cutters are professional tools that must be operated and serviced by qualified personnel.
2. Use the tool as intended.
3. Carefully inspect the tool for integrity.
4. Ensure that the tool mechanism is kept free from dirt, sand, clay, or other abrasive particles.
5. If encountering the tool damage or malfunctioning, discontinue its use immediately.

**WARNING! DO NOT use the tool for cutting live cables!**

## 5 TECHNICAL DATA

Characteristics	Values
Maximum cable diameter, mm	75
Maximum cross-section of copper cable, mm <sup>2</sup>	3x120
Maximum cross-section of aluminum cable, mm <sup>2</sup>	3x150
Maximum overall dimensions, mm	415x205x56
Maximum weight, kg	3,7

## 6 DELIVERY SCOPE

Ratchet cable cutters are supplied in individual or group packaging. For all available documentation, scan the QR-code on the insert or on the inside of the package.

## 7 TRANSPORTATION, STORAGE AND OPERATION CONDITIONS

Operating temperature, °C	-15 to +40
Transportation temperature, °C	-25 to +50
Relative humidity, %	20-90 (non-condensing)

If the tool is stored at a temperature below -15°C, keep it for 3 hours at a temperature above +10°C before operating. Ratchet cable cutter shall be stored, maintained and repaired in a designated room. After completing the work, remove cable residues, dirt and moisture and wipe the tool with a cloth. Lubricate the tool if required. Do not store the tool in a place subject to corrosion. During long-term storage, lubricate the working parts of the tool with anti-corrosion compound.

## 8 MANUFACTURER'S WARRANTY

Appearance and specifications are subject to change without notice. The manufacturer guarantees the products comply with the declared characteristics, provided that consumers follow the operation, transportation and storage conditions.

**Warranty period:** 1 year from date of sale.

**Shelf life:** 1 year. **Service life:** 5 years.

**Manufacturer:** OOO Electroresheniya, Otradnaya st., 2b/9, 127273, Moscow, Russia, tel. +7 (495) 788-88-15.

**MEA regional headquarters:** EKF ELECTRICAL SOLUTION FZCO, Techno Hub-2, DSO, P.O. box 341079, Dubai, United Arab Emirates, tel. +9 (714) 547-06-18.

**Importer and EKF trademark service representative in the territory of the Republic of Kazakhstan:** TOO «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

## 9 CERTIFICATE OF ACCEPTANCE

Ratchet cable cutter EXPERT EKF has been manufactured in compliance with laws and regulations in force and has been approved for operation.

Date of manufacture:

for information, refer to the product package.

Quality control stamp

OTK 2

EAC



V3

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