



TECHNICAL MANUAL

Insulated tool set



CAUTION! Read this manual before operating the product, and save it for future reference.

IMPORTANT! This manual describes the instructions for operation and maintenance of the EKF insulated tools.

Please note the warning messages. Failure to follow the instructions may result in injury or equipment malfunction.

1 DESCRIPTION

The insulated tools are designed for use in electrical installations up to 1000 V AC, utility frequency.

The sets contain insulated tools for various applications.

Every tool has been individually tested against 10 kV voltage in compliance with the requirements of IEC 60900:2004.

2 DELIVERY SCOPE

1. Insulated tool set NII-01 EKF EXPERT:

- Screwdriver SL2,5x80 mm 1000 V – 1 pc.
- Screwdriver SL4x100 mm 1000 V – 1 pc.
- Screwdriver SL5,5x125 mm 1000 V – 1 pc.
- Screwdriver PH1x80 mm 1000 V – 1 pc.
- Screwdriver PH2x100 mm 1000 V – 1 pc.
- Pliers 180 mm 1000 V - 1 pc.
- Reinforced diagonal cutting pliers 180 mm 1000 V - 1pc.
- Long nose pliers 160 mm 1000 V - 1pc.
- Voltage tester OI-1 – 1 pc.
- Soft case - 1 pc.

2. Insulated tool set NII-02 EKF MASTER:

- Cable cutter NKi-12 1000V - 1 pc.
- Combination pliers 180 mm 1000 V - 1 pc.
- Round nose pliers 160 mm 1000 V - 1 pc.
- Soft case - 1 pc.

3. Insulated tool set NII-03 EKF MASTER:

- Diagonal cutting pliers 160 mm 1000 V - 1 pc.
- Combination pliers 160 mm 1000 V - 1 pc.
- Long nose pliers 160 mm 1000 V - 1 pc.
- Soft case - 1 pc.

4. Insulated tool set NII-04 EKF EXPERT:

- Cable cutter NKi-12u 1000V - 1 pc.
- Combination pliers 180 mm 1000 V - 1 pc.
- Round nose pliers 160 mm 1000 V - 1 pc.
- Soft case - 1 pc.

5. Insulated tool set NII-09 EKF MASTER:

- Combination pliers 180 mm 1000 V - 1 pc.
- Diagonal cutting pliers 160 mm 1000 V - 1 pc.
- Screwdriver SL4x100 mm 1000 V - 1 pc.
- Screwdriver SL5,5x125 mm 1000 V - 1 pc.
- Screwdriver PH1x80 mm 1000 V - 1 pc.
- Screwdriver PH2x100 mm 1000 V - 1 pc.
- Voltage tester OI-1 - 1 pc.
- Soft case - 1 pc.

6. Insulated tool set NII-12 EKF EXPERT:

- Combination pliers 160 mm 1000 V - 1 pc.
- Diagonal cutting pliers 160 mm 1000 V - 1 pc.
- Long nose pliers 160 mm 1000 V - 1 pc.
- Soft case - 1 pc.

7. Insulated tool set NII-19 EKF MASTER:

- Combination pliers 180 mm 1000 V - 1 pc.
- Diagonal cutting pliers 160 mm 1000 V - 1 pc.
- Long nose pliers 160 mm 1000 V - 1 pc.
- Screwdriver SL2,5x80 mm 1000 V - 1 pc.
- Screwdriver SL4x100 mm 1000 V - 1 pc.
- Screwdriver SL5,5x125 mm 1000 V - 1 pc.
- Screwdriver PH1x80 mm 1000 V - 1 pc.
- Screwdriver PH2x100 mm 1000 V - 1 pc.
- Voltage tester OI-1 - 1 pc.
- Soft case - 1 pc.

3 TECHNICAL DATA

Table 1 - Technical data of Pliers tools MASTER

Item code	Name	Length, mm
pas-160-mas-in	Insulated combination pliers 160 mm 1000V EKF MASTER	160
pas-180-mas-in	Insulated combination pliers 180 mm 1000V EKF MASTER	180
pas-200-mas-in	Insulated combination pliers 200 mm 1000V EKF MASTER	200
bo-160-mas-in	Insulated diagonal cutting pliers 160 mm 1000V EKF MASTER	160
sbo-180-mas-in	Insulated reinforced diagonal cutting pliers 180 mm 1000V EKF MASTER	180
dg-160-mas-in	Insulated long nose pliers 160 mm 1000V EKF MASTER	160
dg-200-mas-in	Insulated long nose pliers 200 mm 1000V EKF MASTER	200
dgi-160-mas-in	Insulated curved long nose pliers 160 mm 1000V EKF MASTER	160
dgi-200-mas-in	Insulated curved long nose pliers 200 mm 1000V EKF MASTER	200
kg-160-mas-in	Insulated round nose pliers 160 mm 1000V EKF MASTER	160
st-160-mas-in	Insulated wire stripper 160 mm 1000V EKF MASTER	160
nk-12-mas-in	Insulated cable cutter NKi-12 EKF MASTER	170
nk-16-mas-in	Insulated cable cutter NKi-16 EKF MASTER	240
kp-250-mas-in	Insulated water pump pliers 250 mm 1000V EKF MASTER	250

Table 2 - Technical data of Pliers tools EXPERT

Item code	Name	Length, mm
pas-160-exp-in	Insulated combination pliers 160 mm 1000V EKF EXPERT	160

Table 2 continued

Item code	Name	Length, mm
pas-180-exp-in	Insulated combination pliers 180 mm 1000V EKF EXPERT	180
pas-200-exp-in	Insulated combination pliers 200 mm 1000V EKF EXPERT	200
bo-160-exp-in	Insulated diagonal cutting pliers 160 mm 1000V EKF EXPERT	160
sbo-180-exp-in	Insulated reinforced diagonal cutting pliers 180 mm 1000V EKF EXPERT	180
dg-160-exp-in	Insulated long nose pliers 160 mm 1000V EKF EXPERT	160
dg-200-exp-in	Insulated long nose pliers 200 mm 1000V EKF EXPERT	200
dgi-160-exp-in	Insulated curved long nose pliers 160 mm 1000V EKF EXPERT	160
dgi-200-exp-in	Insulated curved long nose pliers 200 mm 1000V EKF EXPERT	200
kg-160-exp-in	Insulated round nose pliers 160 mm 1000V EKF EXPERT	160
st-160-exp-in	Insulated wire stripper 160 mm 1000V EKF EXPERT	160
nk-12y-exp-in	Insulated cable cutter NKi-12u EKF EXPERT	170
nk-16y-exp-in	Insulated cable cutter NKi-16u EKF EXPERT	240
kp-250-exp-in	Insulated water pump pliers 250 mm 1000V EKF EXPERT	250

4 OPERATION INSTRUCTIONS AND SAFETY REQUIREMENTS

The screwdriver profile shall match the type and size of a fastener (screw).

Follow industry standards and safety regulations when operating the tool.
Use the tool as intended.

Do not use the tool if you are tired, drunk, drugged, or medicated.

Keep the tool away from children.

Take a stable position when operating the tool.

Do not use unstable scaffolding, ladders or supports.

Inspect the tool before starting work. Do not use defective, damaged or

blunted tools. A damaged or malfunctioning tool can cause injury to you or others.

For tools with insulation made of two-layer plastisol, inspect the outer layer for signs of damage. If you can see yellow under the red plastisol, the tool does not provide proper protection against electric shock. Replace the tool.

Make sure that all tool parts are clean and free of dirt, oil stains, particularly the handle and control area, to prevent the tool from slipping during operation.

Do not put your fingers or other body parts in the tool working area during operation.

Do not operate the tool at temperatures above or below the operating limits.

Do not touch the tool working area while the tool is in operation, otherwise it may cause injury.

Do not hit tool parts, this can cause the tool malfunctioning. The warnings and precautions described herein cannot comprise all warnings, since this manual cannot cover all possible cases that may occur. Caution and common sense are factors that cannot be integrated into a tool, but should be practiced by the user.

5 MAINTENANCE

After completing the work, wipe the tool with a clean cloth. Do not use solvents or mineral oils to clean the plastic handle.

Inspect the tool every 6 months in compliance with the national and local standards and regulations.

6 TRANSPORTATION, STORAGE AND OPERATION CONDITIONS

The tools can be transported by any means of enclosed transport that ensures protection of packed products against mechanical and atmospheric impacts at the ambient temperature between -40°C and +50°C.

The tools shall be stored indoors in the original package at the ambient temperature from -40°C to +50°C and relative humidity of max. 98% at +25°C.

Store the tools indoors, away from aggressive media, high humidity and temperature. Do not expose to direct sunlight. Keep away from children.

7 DISPOSAL

This tool has been made of materials safe for human health, however, not naturally disposed of by the environment. Some tool parts may require special disposal procedure. Please contact an authorized disposal company for advice.

8 MANUFACTURER'S WARRANTY

Warranty period: 1 year from the date of sale specified in the sales receipt.

Shelf life: 1 year from the date of manufacture specified on the product package or housing.

Service life: 5 years.

The warranty covers only the tool working part that is not subject to normal wear and tear.

The insulating surfaces of the screwdrivers shall be tested annually.

Manufacturer: For information, refer to the product package.

Importer and EKF trademark service representative:

EKF ELECTRICAL SOLUTION – FZCO, Dubai Silicon Oasis, DDP, Building A2, Dubai, United Arab Emirates.

Importer and EKF trademark service representative on the territory of the Russian Federation:

ООО «Electroresheniya», Otradnaya st., 2b bld. 9, 5th floor, 127273, Moscow, Russia. Tel.: +7 (495) 788-88-15.

Importer and EKF trademark service representative on the territory of the Republic of Kazakhstan:

ТОО «Energoresheniya Kazakhstan», Kazakhstan, Almaty, Bostandyk district, Turgut Ozal st., 247, apt 4.

9 CERTIFICATE OF ACCEPTANCE

The insulated tool set has been approved for operation.

Date of manufacture:

For information, refer to the product package.

Technical control stamp

