



ENERGY  
KNOWLEDGE  
FUTURE



# TOOLS & EQUIPMENT

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ABOUT EKF

ENERGY. KNOWLEDGE. FUTURE

EKF is a leading manufacturer and supplier of electrical equipment and solutions.

Our mission: We design reliable and efficient electrical solutions for sustainable future.



Over 17 000 SKUs

We specialize in low-voltage electrical products, medium-voltage equipment, distribution enclosures, wiring, installation, measuring and metering tools and equipment, lighting technology, cable support systems, bus bar ducts and systems, home automation, and lightning protection. Our product range is tailored to meet the needs of our customers.



Comprehensive solutions

We focus on delivering comprehensive energy-efficient solutions for residential, industrial, energy, civil, and infrastructure projects.



Global presence

Our global partner network includes more than 350 distributors and over 6 000 sub-dealers in 20 countries.



In-house R&D and manufacturing facilities in Russia and Eastern Europe

Over 35 000 square meters of R&D and manufacturing facilities in Russia and Eastern Europe. The company follows the principles of sustainable development and ESG - environmental care, social responsibility, corporate governance. EKF actively implements the concept of lean production and carbon footprint reduction, Health, Safety, Environment system and supports projects to combat unfair competition.



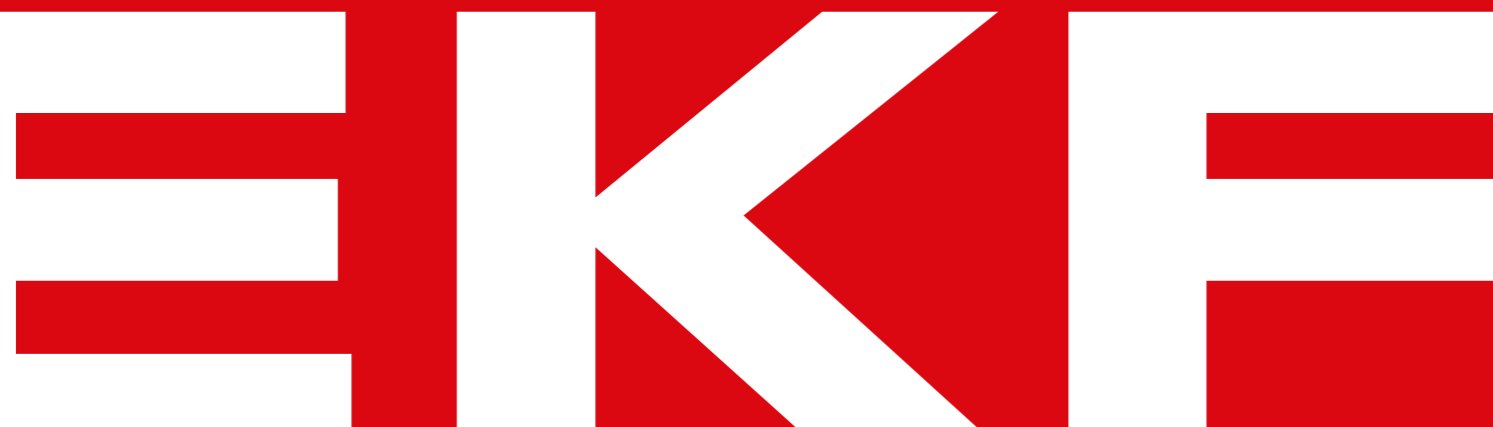
Worldwide logistics and distribution

Our modern logistics centres are spread throughout Europe, Asia and Middle East, ensuring rapid delivery across the globe. All terminals are equipped with an automated WMS (warehouse management system).



EKF Partner programs

EKF partner programs optimise standard processes and save time on project work. Hundreds of thousands of professional electricians, electrical installers, panel builders, system integrators, power engineers and planners use EKF solutions in their projects.



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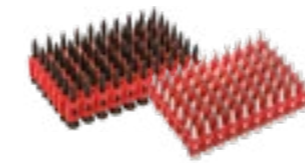
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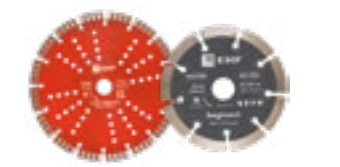
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# SCREWDRIVERS

## VOLTAGE TESTERS



Voltage testers are ubiquitous devices that are used to detect the presence of mains electrical current to test the continuity of electrical circuits with both contact and non-contact testers available in the EKF EXPERT product range.

Their simple and reliable operation makes them an invaluable addition to any toolbox.

Picture	Name	Item code
	Voltage tester OI-1 EKF EXPERT	ST-10
	Voltage tester OI-2e EKF EXPERT	ST-20e

## SCREWDRIVERS

Designed for loosening and tightening fasteners with a driving recess, both for household and professional electrical installation use. Do not use uninsulated screwdrivers for live wire work.

**Ph**      **Pz**      **Sl**

The shank of the screwdriver is made of chrome-vanadium steel heat-treated to the hardness of 50-55 HRC

Magnetic tip to securely hold screws during installation.

Ergonomic handle for secure and confident grip with integrated flats to prevent the screwdriver from rolling down an inclined surface

Picture	Name	Tip type	Size of working part	Item code
	Slotted screwdriver SL3,5x75 mm EKF MASTER	Sl (Slotted)	3,5x75x0,6 mm	sl-3.5-75-mas
	Slotted screwdriver SL4x100 mm EKF MASTER		4x100x0,8 mm	sl-4-100-mas
	Slotted screwdriver SL5,5x125 mm EKF MASTER		5,5x125x1,0 mm	sl-5.5-125-mas
	Slotted screwdriver SL6,5x150 mm EKF MASTER		6,5x150x1,2 mm	sl-6.5-150-mas
	Slotted screwdriver SL6,5x38 mm EKF MASTER		6,5x38x1,2 mm	sl-6.5-38-mas
	Slotted screwdriver SL8x150 mm EKF MASTER		8x150x1,2 mm	sl-8-150-mas
	Phillips screwdriver PH0x75 mm EKF MASTER	Ph (Phillips)	PH0x75 mm	ph-0-75-mas
	Phillips screwdriver PHx100 mm EKF MASTER		PH1x100 mm	ph-1-100-mas
	Phillips screwdriver PH2x100 mm EKF MASTER		PH2x100 mm	ph-2-100-mas
	Phillips screwdriver PH2x38 mm EKF MASTER		PH2x38 mm	ph-2-38-mas
	Phillips screwdriver PH3x150 mm EKF MASTER		PH3x150 mm	ph-3-150-mas
	Pozidriv screwdriver PZ0x75 mm EKF MASTER	Pz (Pozidriv)	PZ0x75 mm	pz-0-75-mas
	Pozidriv screwdriver PZ1x100 mm EKF MASTER		PZ1x100 mm	pz-1-100-mas
	Pozidriv screwdriver PZ2x100 mm EKF MASTER		PZ2x100 mm	pz-2-100-mas
	Pozidriv screwdriver PZ3x150 mm EKF MASTER		PZ3x150 mm	pz-3-150-mas

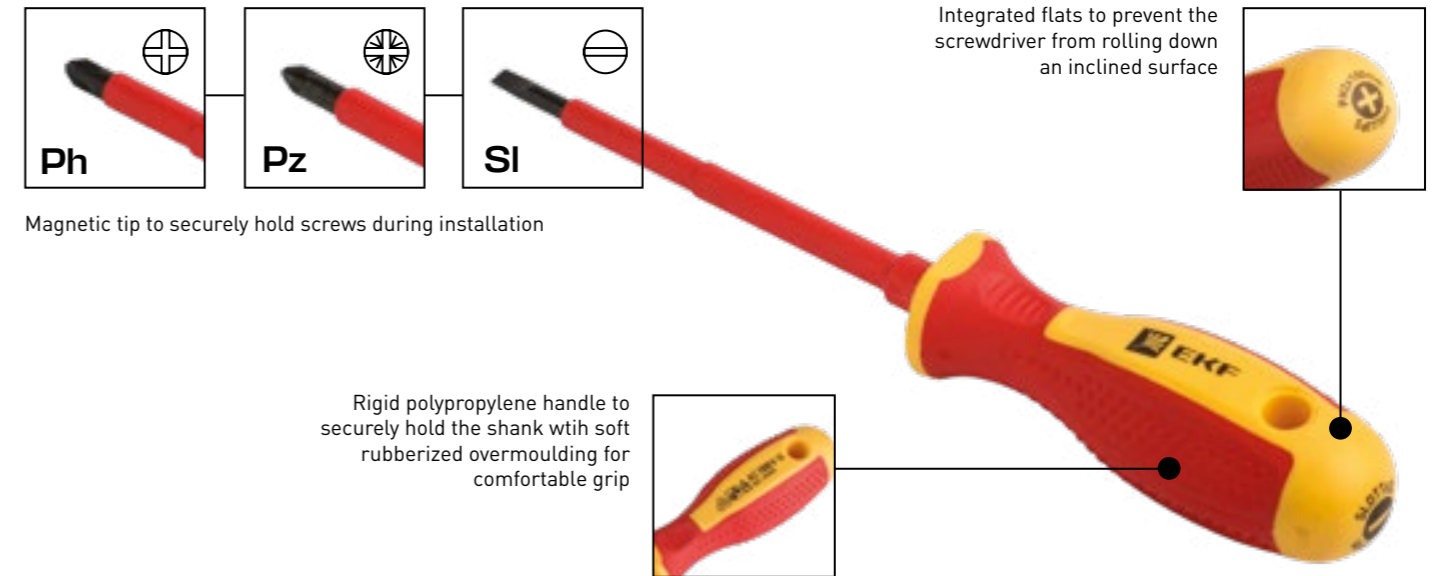


# INSULATED SCREWDRIVERS

## INSULATED SCREWDRIVERS



Insulated screwdrivers are suitable for all types of electrical installation work, including live wire work up to 1000 V AC. Insulated screwdrivers are color-coded red/yellow in compliance with EU requirements for electrician tools.



Picture	Name	Tip type	Size of working part	Item code
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### EXPERT

	Insulated slotted screwdriver SL3x75 mm 1000V EKF EXPERT	Sl (Slotted)	3x75x0,5 mm	sl-3-75-exp-in
	Insulated slotted screwdriver SL4x100 mm 1000V EKF EXPERT		4x100x0,8 mm	sl-4-100-exp-in
	Insulated slotted screwdriver SL5,5x125 mm 1000V EKF EXPERT		5,5x125x1,0 mm	sl-5.5-125-exp-in
	Insulated slotted screwdriver SL6,5x150 mm 1000V EKF EXPERT		6,5x150x1,2 mm	sl-6.5-150-exp-in
	Insulated Phillips screwdriver PH0x60 mm 1000V EKF EXPERT	Ph (Phillips)	PH0x60 mm	ph-0-60-exp-in
	Insulated Phillips screwdriver PH1x80 mm 1000V EKF EXPERT		PH1x80 mm	ph-1-80-exp-in
	Insulated Phillips screwdriver PH2x100 mm 1000V EKF EXPERT		PH2x100 mm	ph-2-100-exp-in
	Insulated Phillips screwdriver PH3x150 mm 1000V EKF EXPERT	Pz (Pozidriv)	PH3x150 mm	ph-3-150-exp-in
	Insulated Pozidriv screwdriver PZ1x80 mm 1000V EKF EXPERT		PZ1x80 mm	pz-1-80-exp-in
	Insulated Pozidriv screwdriver PZ2x100 mm 1000V EKF EXPERT	PZ2x100 mm	pz-2-100-exp-in	

### MASTER

	Insulated slotted screwdriver SL2,5x80 mm 1000V EKF MASTER	Sl (Slotted)	2,5x80x0,5 mm	sl-2.5-80-mas-in
	Insulated slotted screwdriver SL4x100 mm 1000V EKF MASTER		4x100x0,8 mm	sl-4-100-mas-in
	Insulated slotted screwdriver SL5,5x125 mm 1000V EKF MASTER		5,5x125x1,0 mm	sl-5.5-125-mas-in
	Insulated slotted screwdriver SL6,5x150 mm 1000V EKF MASTER		6,5x150x1,2 mm	sl-6.5-150-mas-in
	Insulated Phillips screwdriver PH0x75 mm 1000V EKF MASTER	Ph (Phillips)	PH0x75 mm	ph-0-75-mas-in
	Insulated Phillips screwdriver PH1x80 mm 1000V EKF MASTER		PH1x80 mm	ph-1-80-mas-in
	Insulated Phillips screwdriver PH2x100 mm 1000V EKF MASTER		PH2x100 mm	ph-2-100-mas-in
	Insulated Phillips screwdriver PH3x150 mm 1000V EKF MASTER	Pz (Pozidriv)	PH3x150 mm	ph-3-150-mas-in
	Insulated Pozidriv screwdriver PZ1x80 mm 1000V EKF MASTER		PZ1x80 mm	pz-1-80-mas-in
	Insulated Pozidriv screwdriver PZ2x100 mm 1000V EKF MASTER	PZ2x100 mm	pz-2-100-mas-in	



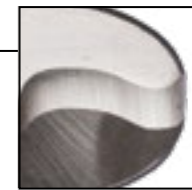
# PLIERS

Pliers are a large group of products used in mechanical, electrical, repair and other construction applications. All tools of this category consist of three parts: the working part, the movable swivel joint and the handles. The tools differ in terms of the functions they perform and their ease of use.

**MASTER tools** feature a protective chrome coating for extended tool life and are used for gripping and holding small objects and for cutting medium-hard wires.

# PLIERS

Package with Euro slot hanger



The cutting edges are additionally hardened by high-frequency currents up to 65 HRC

The tool is made of chrome-vanadium steel with corrosion-resistant coating



Stops on the handles prevent sparks from jumping onto the hand and prevent the hand from slipping into the work area

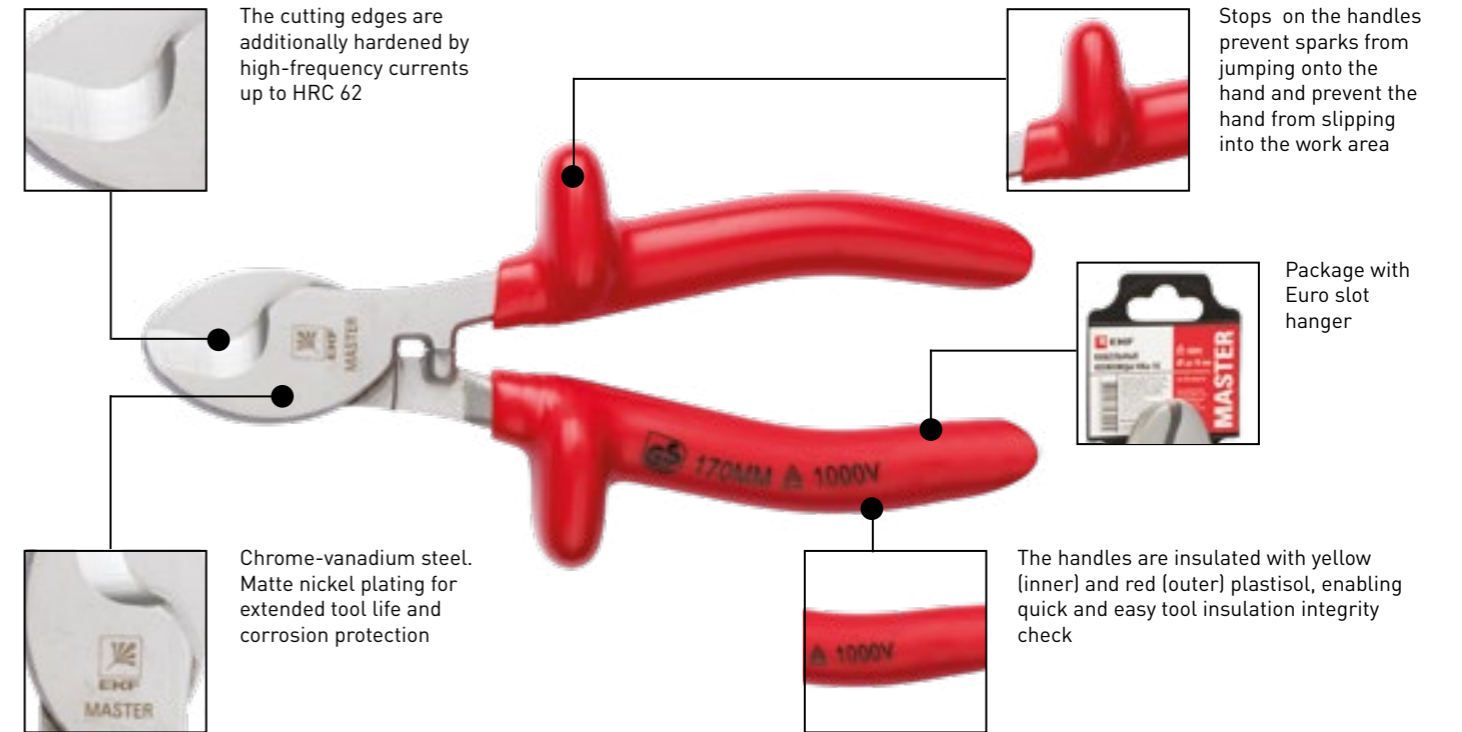


Picture	Name	Length, mm	Item code
	Combination pliers 160 mm EKF MASTER	160	pas-160-mas
	Combination pliers 180 mm EKF MASTER	180	pas-180-mas
	Combination pliers 200 mm EKF MASTER	200	pas-200-mas
	Long nose pliers 160 mm EKF MASTER	160	dg-160-mas
	Long nose pliers 200 mm EKF MASTER	200	dg-200-mas
	Curved long nose pliers 160 mm EKF MASTER	160	dgi-160-mas
	Curved long nose pliers 200 mm EKF MASTER	200	dgi-200-mas
	Cable scissors NK-12 EKF MASTER	170	nk-12-mas
	Cable scissors NK-16 EKF MASTER	240	nk-16-mas

Picture	Name	Length, mm	Item code
	Diagonal cutting pliers 160 mm EKF MASTER	160	bo-160-mas
	Reinforced diagonal cutting pliers 180 mm EKF MASTER	180	sbo-180-mas
	Round nose pliers 160 mm EKF MASTER	160	kg-160-mas
	Water pump pliers 250 mm EKF MASTER	250	kp-250-mas



Recommended for live maintenance and installation work. The special handles are made of double-layer plastisol by dipping. If the upper bright-red layer is damaged, the inner yellow layer becomes visible, indicating that the tool cannot be used for live work. Special stops on the handles prevent sparks from jumping onto the hand and prevent the hand from slipping into the work area.



Picture	Name	Length, mm	Item code
	Insulated combination pliers 160 mm 1000V EKF MASTER	160	pas-160-mas-in
	Insulated combination pliers 180 mm 1000V EKF MASTER	180	pas-180-mas-in
	Insulated combination pliers 200 mm 1000V EKF MASTER	200	pas-200-mas-in
	Insulated long nose pliers 160 mm 1000V EKF MASTER	160	dg-160-mas-in
	Insulated long nose pliers 200 mm 1000V EKF MASTER	200	dg-200-mas-in
	Insulated curved long nose pliers 160 mm 1000V EKF MASTER	160	dgi-160-mas-in
	Insulated curved long nose pliers 200 mm 1000V EKF MASTER	200	dgi-200-mas-in
	Insulated cable scissors NKi-12 1000V EKF MASTER	170	nk-12-mas-in
	Insulated cable scissors NKi-16 1000V EKF MASTER	240	nk-16-mas-in

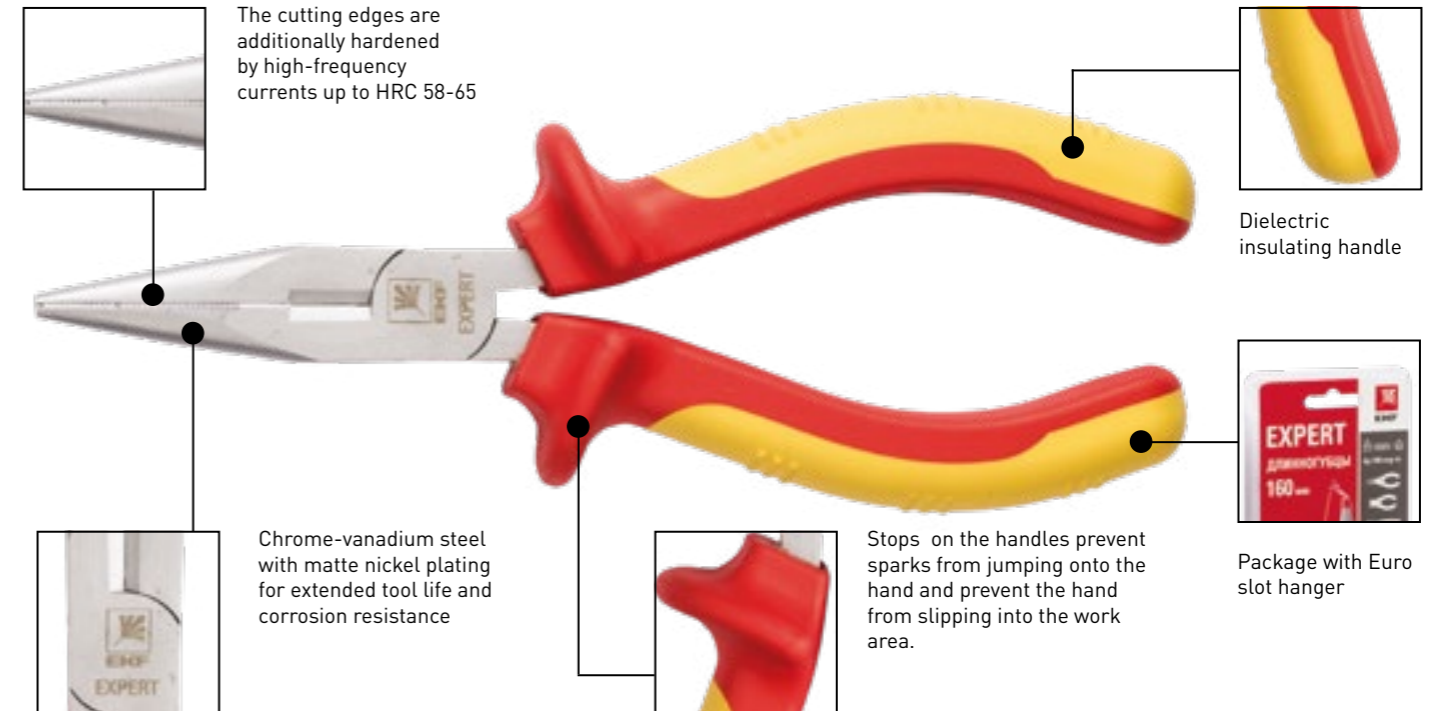
Picture	Name	Length, mm	Item code
	Insulated diagonal cutting pliers 160 mm 1000V EKF MASTER	160	bo-160-mas-in
	Insulated reinforced diagonal cutting pliers 180 mm 1000V EKF MASTER	180	sbo-180-mas-in
	Insulated round nose pliers 160 mm 1000V EKF MASTER	160	kg-160-mas-in
	Insulated wire stripper 160 mm 1000V EKF MASTER	160	st-160-mas-in
	Insulated water pump pliers 250 mm 1000V EKF MASTER	250	kp-250-mas-in



## INSULATED PLIERS. EXPERT

Insulated pliers EXPERT are a reliable tool for electrical live work up to 1000V. Each product has been tested for insulation breakdown and is approved for use in electrical installations up to 1000V. The tool complies with IEC 60900:2004 and IEC 60900:2004.

# INSULATED PLIERS



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



We offer the optimal product range for the majority of applications and the best solution for compact storage and convenient carrying of tools - a soft case made of synthetic water- and dirt-repellent fabric with padded lining. There is a separate compartment for each item, so you won't lose your tools when you're done working.

Insulated tool sets are designed for electrical installation works in AC electrical installations up to 1000V at industrial frequency. The sets contain insulated hand tools for a variety of applications. Every tool has been individually tested under 10 kV voltage in compliance with the requirements of IEC 60900:2004.

**Operating temperature:**  
-20 to +70 °C at relative humidity of max. 98%.



**MASTER**

Picture	Name	Description	Item code
	Insulated screwdriver set NIO-03 EKF MASTER	<p><b>Insulated screwdriver:</b></p> <ul style="list-style-type: none"> <li>• SL4x100 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH1x100 mm 1000V EKF MASTER – 1 pc.</li> </ul> <p>• Voltage tester OI-1 – 1 pc.</p>	ndo-03
	Insulated screwdriver set NIO-06 EKF MASTER	<p><b>Insulated screwdriver:</b></p> <ul style="list-style-type: none"> <li>• SL3x75 mm 1000V EKF MASTER – 1 pc.</li> <li>• SL4x100 mm 1000V EKF MASTER – 1 pc.</li> <li>• SL5,5x125 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH1x100 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH2x100 mm 1000V EKF MASTER – 1 pc.</li> </ul> <p>• Voltage tester OI-1 – 1 pc.</p> <p>• Soft case - 1 pc.</p>	ndo-06
	Insulated screwdriver set NIO-08 EKF MASTER	<p><b>Insulated screwdriver:</b></p> <ul style="list-style-type: none"> <li>• SL3x75 mm 1000V EKF MASTER – 1 pc.</li> <li>• SL4x100 mm 1000V EKF MASTER – 1 pc.</li> <li>• SL5,5x125 mm 1000V EKF MASTER – 1 pc.</li> <li>• SL6,5x150 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH0x75 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH1x100 mm 1000V EKF MASTER – 1 pc.</li> <li>• PH2x100 mm 1000V EKF MASTER – 1 pc.</li> </ul> <p>• Voltage tester OI-1 – 1 pc.</p> <p>• Soft case - 1 pc.</p>	ndo-08
	Insulated tool set NII-03 EKF MASTER	<ul style="list-style-type: none"> <li>• Insulated diagonal cutting pliers 160 mm 1000V EKF MASTER - 1 pc.</li> <li>• Insulated combination pliers 180 mm 1000V EKF MASTER - 1 pc.</li> <li>• Insulated long nose pliers 160 mm 1000V EKF MASTER - 1 pc.</li> </ul> <p>• Soft case - 1 pc.</p>	ndi-03

**INSULATED TOOL SETS**





Picture	Name	Description	Item code
	Insulated tool set NII-09 EKF MASTER	<ul style="list-style-type: none"> <li>Insulated combination pliers 180 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated diagonal cutting pliers 160 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated slotted screwdriver SL4x100 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated slotted screwdriver SL5,5x125 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated Phillips screwdriver PH1x80 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated Phillips screwdriver PH2x100 mm 1000V EKF MASTER - 1 pc.</li> <li>Voltage tester OI-1 EKF - 1 pc.</li> <li>Soft case - 1 pc.</li> </ul>	ndi-09
	Insulated tool set NII-19 EKF MASTER	<ul style="list-style-type: none"> <li>Insulated combination pliers 180 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated diagonal cutting pliers 160 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated long nose pliers 160 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated slotted screwdriver SL2,5x80 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated slotted screwdriver SL4x100 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated slotted screwdriver SL5,5x125 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated Phillips screwdriver PH1x80 mm 1000V EKF MASTER - 1 pc.</li> <li>Insulated Phillips screwdriver PH2x100 mm 1000V EKF MASTER - 1 pc.</li> <li>Voltage tester OI-1 EKF - 1 pc.</li> <li>Soft case - 1pc.</li> </ul>	ndi-19

## EXPERT

Picture	Name	Description	Item code
	Insulated tool set NII-01 EKF EXPERT	<ul style="list-style-type: none"> <li>Insulated combination pliers 180mm 1000V EKF EXPERT - 1pc.</li> <li>Insulated reinforced long nose pliers 180mm 1000V EKF EXPERT - 1pc.</li> <li>Insulated long nose pliers 160 mm 1000 V EKF EXPERT - 1pc.</li> <li>Insulated slotted screwdriver SL2,5x80 mm 1000V EKF EXPERT - 1 pc.</li> <li>Insulated slotted screwdriver SL4x100 mm 1000V EKF EXPERT - 1 pc.</li> <li>Insulated slotted screwdriver SL5,5x125 mm 1000V EKF EXPERT - 1 pc.</li> <li>Insulated Phillips screwdriver PH1x80 mm 1000V EKF EXPERT - 1 pc.</li> <li>Insulated Phillips screwdriver PH2x100 mm 1000V EKF EXPERT - 1 pc.</li> <li>Voltage tester OI-1 EKF - 1 pc.</li> <li>Soft case - 1pc.</li> </ul>	ndi-01

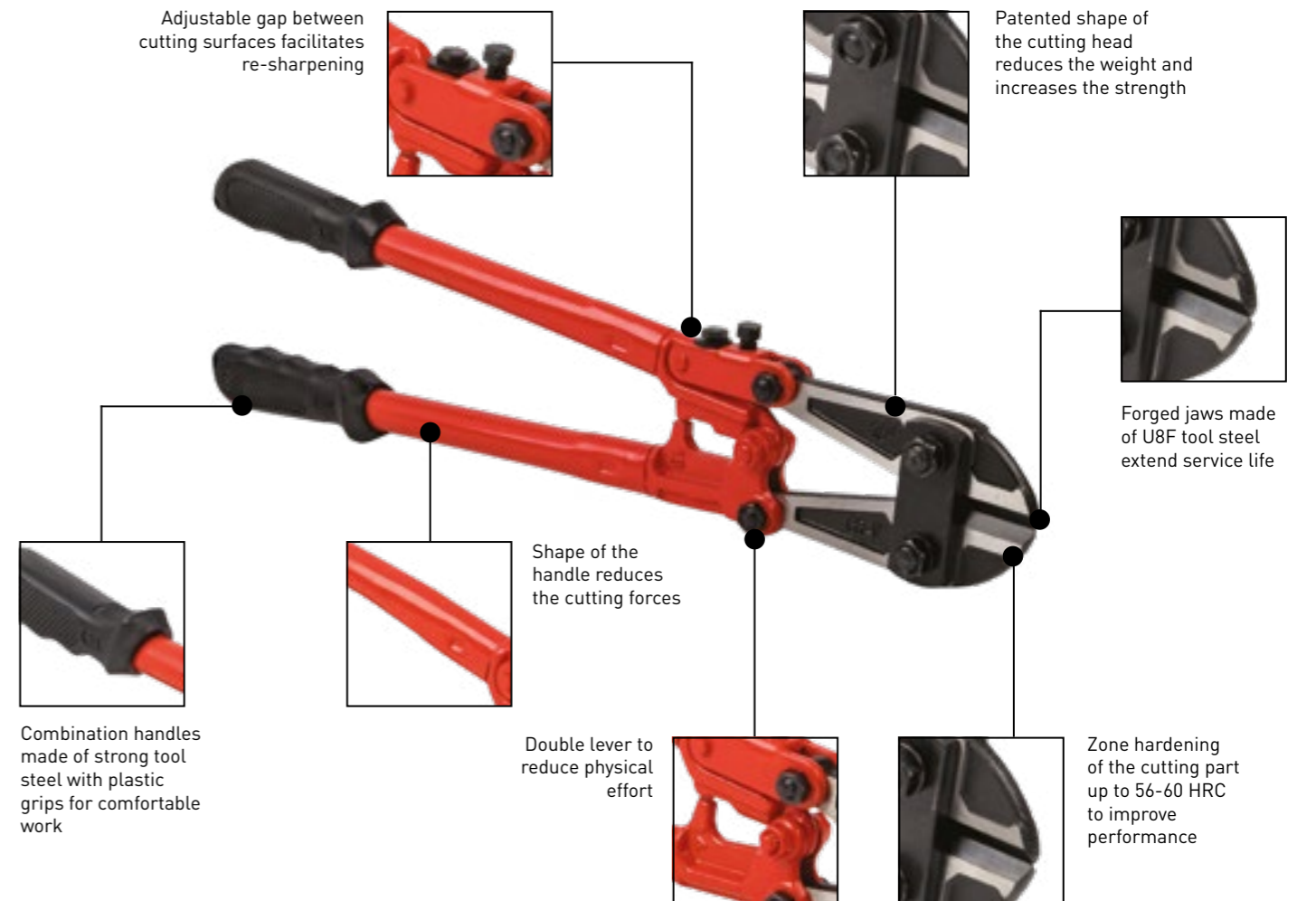




## BOLT CUTTERS

Bolt cutters are tools for cutting rebar, wires, cables, pipes, studs, bolts and other metalware in round, square and hexagonal cross-sections made of steel or softer metals.

# BOLT CUTTERS



Picture	Name	Description	Features:	Length, mm	Item code
	Bolt cutter BR-350 EKF	Bolt cutter BR-350 EKF is designed for cutting rebar, wires, ropes, pipes, studs, bolts and other metalware in round, square and hexagonal cross-sections made of steel or softer metals with a total diameter up to <b>7 mm</b> .	<ul style="list-style-type: none"> <li>The patented shape of the cutting head for a long service life.</li> <li>A smooth, clean cut ensures that the threads on the bolts or screws remain intact.</li> <li>Zone hardening of the cutting part to improve performance.</li> <li>Double lever to reduce physical effort.</li> <li>Combination handles made of strong tool steel with plastic or rubber grips.</li> <li>Adjustable gap between cutting surfaces facilitates re-sharpening.</li> </ul>	350	br-01
	Bolt cutter BR-450 EKF	Bolt cutter BR-450 EKF is designed for cutting rebars, wires, ropes, pipes, studs, bolts and other metalware in round, square and hexagonal cross-sections made of steel or softer metals with a total diameter up to <b>8 mm</b> .		450	br-02
	Bolt cutter BR-650 EKF	Bolt cutter BR-650 EKF is designed for cutting rebar, wires, ropes, pipes, studs, bolts and other metalware in round, square and hexagonal cross-sections made of steel or softer metals with a total diameter up to <b>10 mm</b> .		600	br-06



## UTILITY KNIVES WITH SPARE BLADES



Utility knives are used for cutting construction materials such as linoleum, carpet, wallpaper, drywall, roofing materials, plastic, wood, as well as for modeling work. Can be used both in household and in professional applications.



Picture	Name	Width of blade, mm	Item code
	Knives with segmented blade 9 mm NCM-10 EKF MASTER	9	ncm-10-ms
	Knives with segmented blade 18 mm NCM-20 EKF MASTER	18	ncm-20-ms
	Utility knife 18 mm NCM-50 EKF EXPERT		ncm-50-exp
	Utility knife 18 mm NCM-50 EKF PROFESSIONAL		ncm-80-pro

## SPARE BLADES

- Improved hardening with microscopic serrations on the cutting edge for a cleaner cut. Three-stage laser sharpening.
- The most popular width on the market is 18 mm. It will fit most models of utility knives. 10 pieces per pack.
- High-quality U10A knife steel keeps the edge even during the most demanding work.

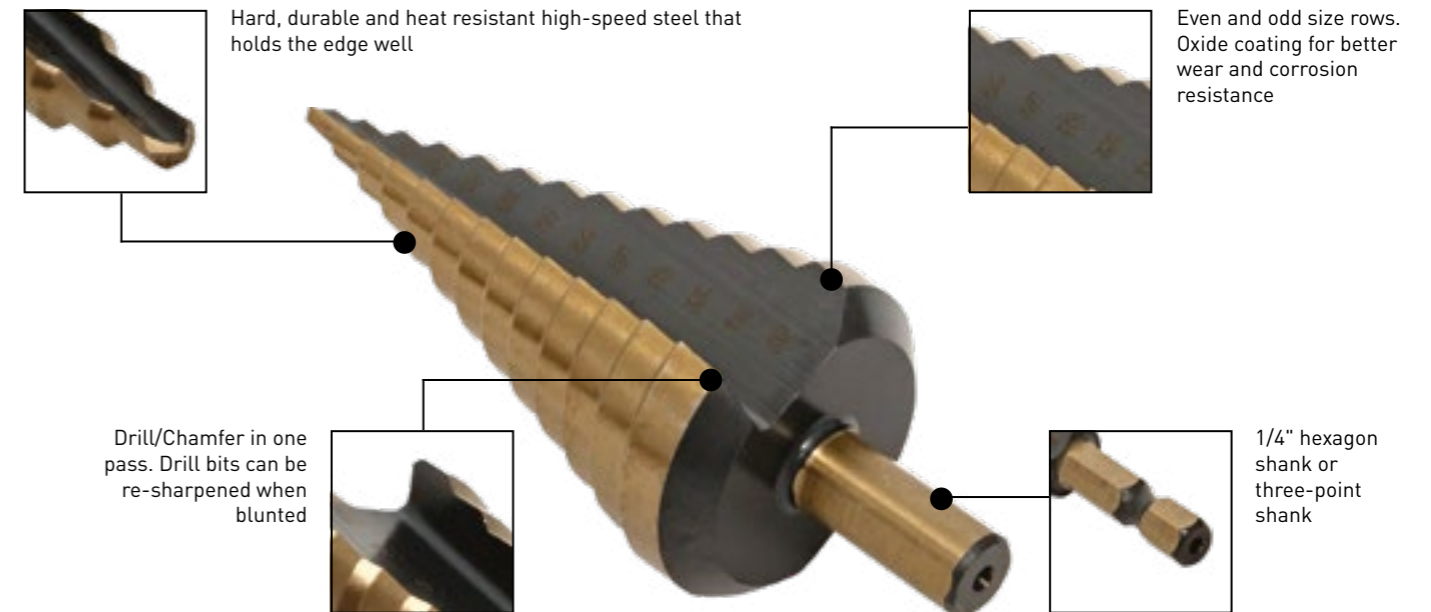
Picture	Name	Thickness of blade, mm	Width of blade, mm	Steel grade	Item code
	Set of segmented blades 9 mm NC-10 EKF MASTER	0,35	9	Tool steel	cm-s10-ms
	Set of segmented blades 18 mm NC-20 EKF MASTER	0,5	18		cm-s20-ms
	Set of spare blades 18 mm CM-30 EKF MASTER	0,5		High-quality U10A knife steel keeps the edge even during the most demanding work.	cm-s30
	Set of spare blades 18 mm CM-60 EKF MASTER	0,7			cm-s60

## UTILITY KNIVES





Step drill bits are used for fast and low-noise drilling of large diameter holes in sheet metal and plastic with cordless and corded power tools. Useful in electrical installation for drilling holes for indicator lights, tumblers, cable glands etc. Even and odd sizes for maximum flexibility. Durable, hard, and heat-resistant high-speed steel. Chamfering and drilling in a single operation.



**METAL DRILL BITS.  
CONCRETE  
DRILL BITS.  
CHISELS**

Picture	Name	Diameter of holes, mm	Type of shank	Total length, mm	Height of step, mm	Item code
	Step drill bit ST-4-12/1 HSS	4, 5, 6, 7, 8, 9, 10, 11, 12	1/4"	70	5	ST-4-12/1
	Step drill bit ST-4-20/2 HSS	4, 6, 8, 10, 12, 14, 16, 18, 20	Three-point	75		ST-4-20/2
	Step drill bit ST-4-30/2 HSS	4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30	Three-point	100		ST-4-30/2
	Step drill bit ST-4-39/3 HSS	4, 6, 9, 12, 15, 18, 21, 24, 27, 30, 33, 36, 39	Three-point	113		ST-4-39/3



Designed for impact drilling in concrete, brick and stone. Compatible with SDS-plus impact drill chucks.

### Concrete drill bits with four cutting edges EXPERT

Intended for drilling into reinforced concrete. The drill bit will not bind or break when hitting rebar. Cross-shaped cutting edge reduces wear rate and enables drilling through small diameter rebar. The design of the cutting edges minimizes the risk of the drill bit binding. Four cutting edges and grooved four-flute helix ensure excellent swarf removal and heat dissipation characteristics.

- Four-cutter tip
- Diffusion-welded cutting tip for better wear resistance
- Grooved four-flute helix for better swarf removal and improved drill bit strength
- Reinforced core

Picture	Name	Item code
	Concrete drill bit SDS-plus 6x110 mm (4 cutters) EKF EXPERT	db-6-110-4x4
	Concrete drill bit SDS-plus 6x160 mm (4 cutters) EKF EXPERT	db-6-160-4x4
	Concrete drill bit SDS-plus 6x210 mm (4 cutters) EKF EXPERT	db-6-210-4x4
	Concrete drill bit SDS-plus 8x110 mm (4 cutters) EKF EXPERT	db-8-110-4x4
	Concrete drill bit SDS-plus 8x160 mm (4 cutters) EKF EXPERT	db-8-160-4x4
	Concrete drill bit SDS-plus 8x210 mm (4 cutters) EKF EXPERT	db-8-210-4x4
	Concrete drill bit SDS-plus 10x160 mm (4 cutters) EKF EXPERT	db-10-160-4x4
	Concrete drill bit SDS-plus 10x210 mm (4 cutters) EKF EXPERT	db-10-210-4x4
	Concrete drill bit SDS-plus 12x160 mm (4 cutters) EKF EXPERT	db-12-160-4x4
	Concrete drill bit SDS-plus 12x210 mm (4 cutters) EKF EXPERT	db-12-210-4x4

### Concrete drill bits with two cutting edges MASTER

Time-tested design that gets the job done without breaking the bank. Durable VK8 carbide cutters for efficient rotary and impact drilling. Slotted flutes for improved swarf extraction, bit rigidity and cleaner finish.

- Chisel-shaped VK8 alloy cutting tip
- Four-fluted slotted helix for improved swarf extraction, bit rigidity, and cleaner finish.
- Longer service life thanks to hard-wearing VK8 carbide cutters
- Reinforced core

Picture	Name	Item code
	Concrete drill bit SDS-plus 6x110 mm (2 cutters) EKF MASTER	db-6-110-2x4
	Concrete drill bit SDS-plus 6x160 mm (2 cutters) EKF MASTER	db-6-160-2x4
	Concrete drill bit SDS-plus 6x210 mm (2 cutters) EKF MASTER	db-6-210-2x4
	Concrete drill bit SDS-plus 8x110 mm (2 cutters) EKF MASTER	db-8-110-2x4
	Concrete drill bit SDS-plus 8x160 mm (2 cutters) EKF MASTER	db-8-160-2x4
	Concrete drill bit SDS-plus 8x210 mm (2 cutters) EKF MASTER	db-8-210-2x4
	Concrete drill bit SDS-plus 10x160 mm (2 cutters) EKF MASTER	db-10-160-2x4
	Concrete drill bit SDS-plus 10x210 mm (2 cutters) EKF MASTER	db-10-210-2x4
	Set of concrete drill bits <ul style="list-style-type: none"> <li>• 5/110</li> <li>• 6/110</li> <li>• 6/160</li> <li>• 8/160</li> <li>• 10/160</li> </ul> (2 cutters) EKF MASTER	db-h5-2x4

Three-stage induction heat-treatment with strict control over process temperature for each treatment area for excellent tool life and durability. High-alloy steel and wear-resistant coating ensure extended life and corrosion resistance of the chisel. High impact and dynamic load rating. Polished round shaft.

- Differential heat treatment of the cutting head, body and shank for longer tool life.
- Optimized sharpening angles of the cutting head that can be resharpened as needed without loss of quality.
- Cutting edge hardness of 54...56 HRC
- 40X alloy steel that holds the edge well

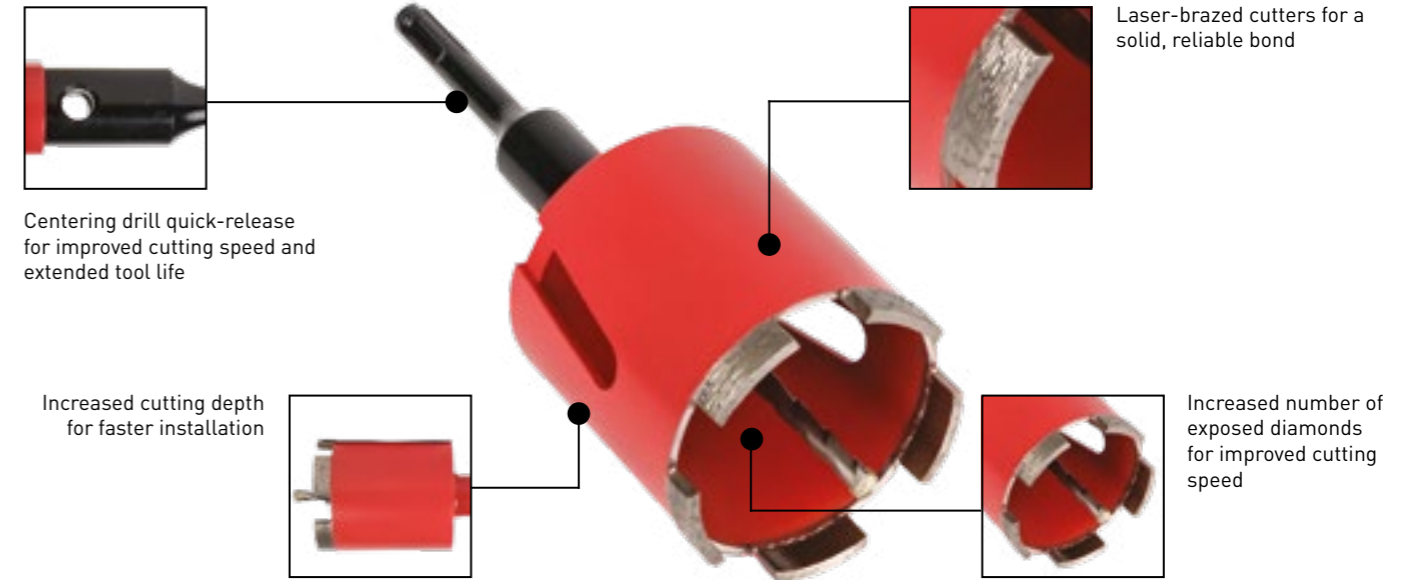
Picture	Name	Item code
	Chisel semi-round SDS-plus 22x250 mm EKF MASTER	ch-22-250-ms
	Chisel flat wide SDS-plus 40x250 mm EKF MASTER	ch-40-250-ms
	Chisel flat SDS-plus 20x250 mm EKF MASTER	ch-20-250-ms
	Chisel peak-shaped SDS-plus 250 mm EKF MASTER	ch-14-250-ms





## CORE DRILL BITS

Diamond core drill bits **EXPERT** are used for dry cutting in concrete, brick, natural and artificial stone, and dense limestone using a rotary hammer drill with **deactivated impact function**. Ideal for 68/72/82 mm junction boxes.



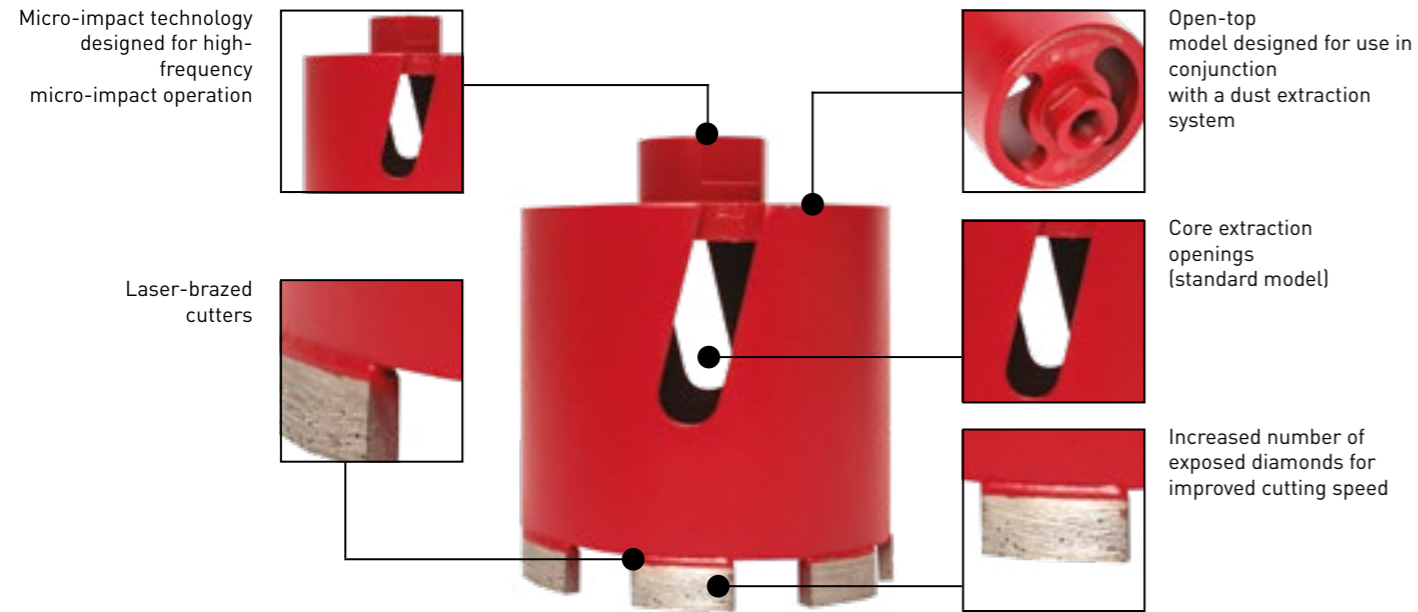
Picture	Name	Diameter of hole, mm	Number of cutting segments	Seating	Cutting depth, mm	Item code
	Diamond core drill bit DCH-68 Laser M16 SDS-plus EKF EXPERT	68	5	M16	70	dch-68-m16
	Diamond core drill bit DCH-72 Laser M16 SDS-plus EKF EXPERT	72				dch-72-m16
	Diamond core drill bit DCH-82 Laser M16 SDS-plus EKF EXPERT	82	6			dch-82-m16
	Diamond core drill bit Turbo Fast 68 DCH-68TRB Laser M16 EKF EXPERT	68	5			dch-68-trb-m16
	Diamond core drill bit Turbo Fast 72 DCH-72TRB Laser M16 EKF EXPERT	72				dch-72-trb-m16
	Diamond core drill bit Turbo Fast 82 DCH-82TRB Laser M16 EKF EXPERT	82	6			dch-82-trb-m16

## CORE DRILL BITS



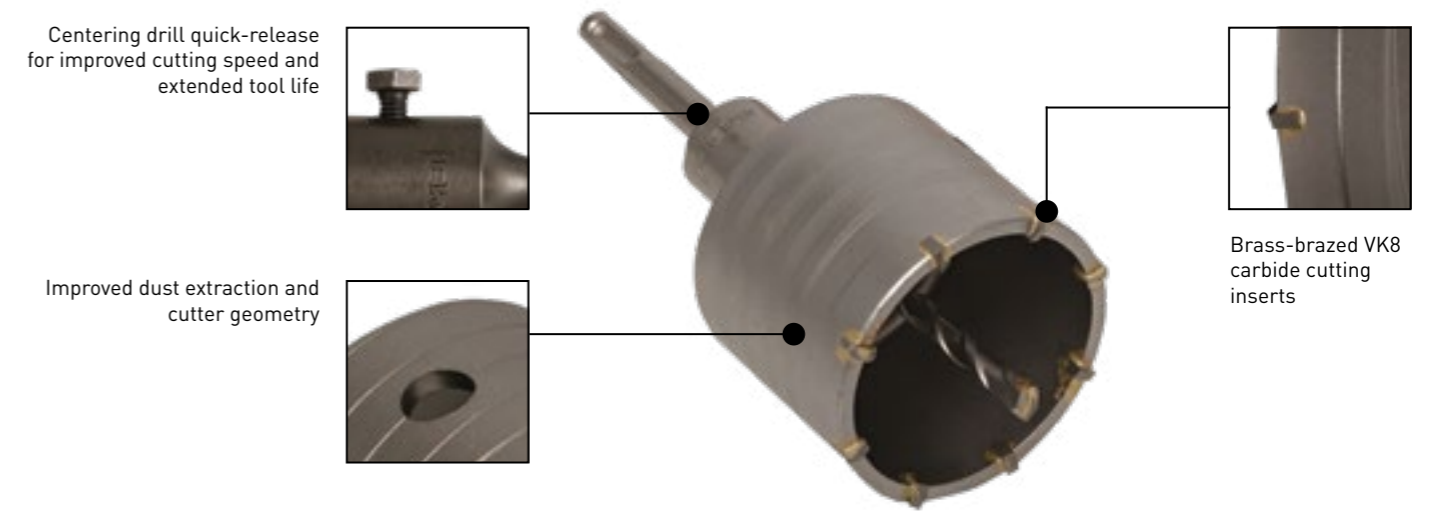


**Diamond core drill bits PROFESSIONAL** for dry drilling with MicroHit technology. Suitable for concrete, including heavily reinforced concrete with 18 mm rebar. MH models have lateral openings for cooling, dust and swarf removal, and core extraction. MHS models with open-top design are intended to be used in conjunction with a dust extraction system. This enables virtually dust-free operation during use, which is especially important for finishing work, as well as prevents overheating and binding. PROFESSIONAL series diamond core drill bits are suitable both for consumer-grade micro-impact drills starting from 1 kW, as well as professional-grade drilling equipment.



Picture	Name	Diameter of hole, mm	Number of cutting segments	Seating	Cutting depth, mm	Item code
	Diamond core drill bit for micro-impact drill DCH-68MH Micro Hit Laser M16 EKF PROFESSIONAL	68	6	M16	70	dch-68-mh-m16
	Diamond core drill bit for micro-impact drill DCH-72MH Micro Hit Laser M16 EKF PROFESSIONAL	72				dch-72-mh-m16
	Diamond core drill bit for micro-impact drill DCH-82MH Micro Hit Laser M16 EKF PROFESSIONAL	82				dch-82-mh-m16
	Diamond core drill bit for micro-impact drill (top dust extraction) DCH-68MHS Micro Hit Laser M16 EKF PROFESSIONAL	68	6	M16	70	dch-68-mhs-m16
	Diamond core drill bit for micro-impact drill (top dust extraction) DCH-72MHS Micro Hit Laser M16 EKF PROFESSIONAL	72				dch-72-mhs-m16
	Diamond core drill bit for micro-impact drill (top dust extraction) DCH-82MHS Micro Hit Laser M16 EKF PROFESSIONAL	82				dch-82-mhs-m16

**Diamond core drill bits MASTER** are designed for quick and efficient hole cutting in concrete, bricks, foamed concrete and limestone with a rotary hammer in impact mode. Great for installing 68/72 mm junction boxes.



Picture	Name	Diameter of hole, mm	Number of teeth, pcs	Shank	Threaded seating	Cutting depth, mm	Item code
	Concrete drill bit with tooling TCT-68 M22 SDS-plus EKF MASTER	68	8	SDS-plus	M22	50	tct-68-m22
	Concrete drill bit with tooling TCT-72 M22 SDS-plus EKF MASTER	72					tct-72-m22

### CORE DRILL BITS ACCESSORIES

**Adapters** are used to secure the diamond core drill bit in the chuck of an electric drill. The centering drill bit Ø8 and a wedge for removing the centering bit from the adapter are included in the package.

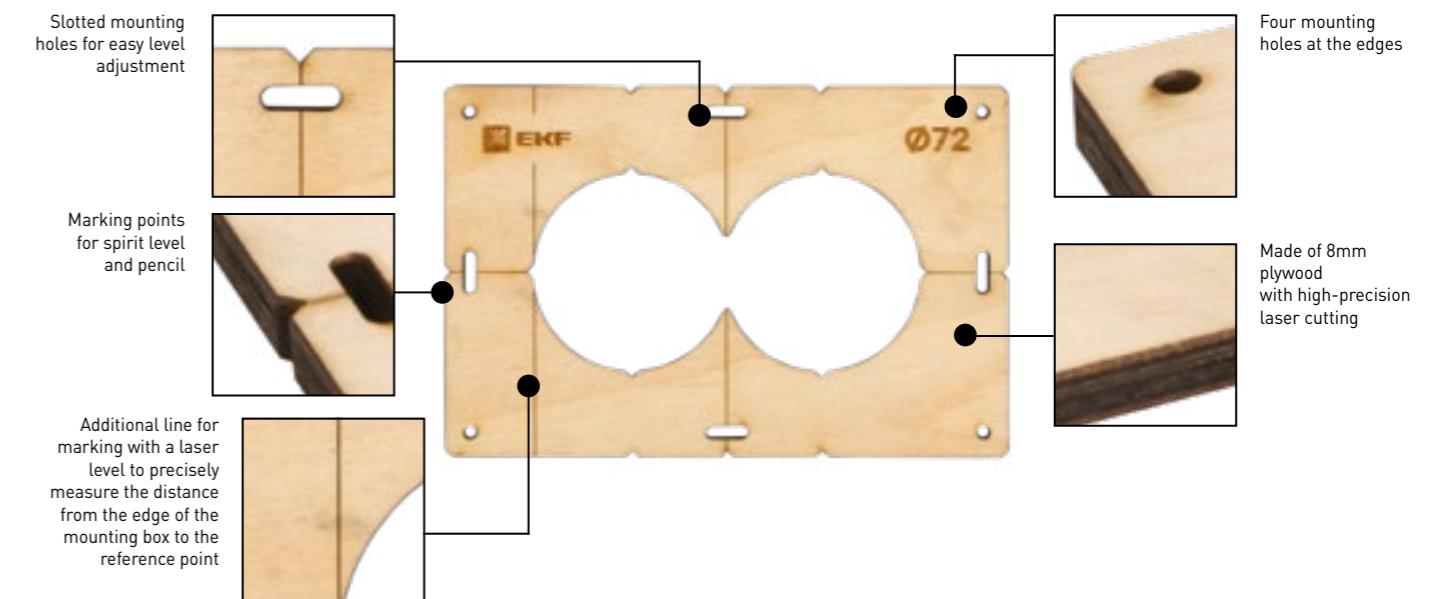
**The dust extraction attachment** has the M16 centering piece with a spring-loaded guide and the M18 internal thread on the other side, enabling the most precise drilling of socket openings, with virtually no deviation from the set drilling point and marking. Used in conjunction with MHS.

Picture	Name	Item code
	Adapter Hex M16 with center drill EKF EXPERT	ad-hex
	Adapter SDS-plus M16 with center drill EKF EXPERT	ad-sdsplus

Picture	Name	Inner	Outer	Diam of core drill bits	Item code
	Dust extractor for diamond drill bit (M16-M18) EKF EXPERT	M16	M18	68 - 82 mm	dd-exp
	Dust extractor (M16-M22) EKF EXPERT	M16	M22	68 - 82 mm	dd-exp-m16-m22
	Centralizer for dust extractor EKF EXPERT	-	-	-	cdd-exp



Drilling templates are used for marking and securing the core drill bit when cutting holes for mounting boxes on various surfaces and materials. With the drilling templates, you can save time and money as there are no standard marking steps and no need for a centring drill bit.



# DRILLING TEMPLATES



Picture	Name	Item code
	Set of templates for mounting boxes, diameter 68 mm EKF EXPERT	sh-d68-k
	Set of templates for mounting boxes, diameter 72 mm EKF EXPERT	sh-d72-k
	Set of templates for mounting boxes, diameter 82 mm EKF EXPERT	sh-d82-k
	Template for mounting boxes 1 hole diameter 68 mm EKF EXPERT	sh-d68-1
	Template for mounting boxes 1 hole diameter 72 mm EKF EXPERT	sh-d72-1
	Template for mounting boxes 1 hole diameter 82 mm EKF EXPERT	sh-d82-1
	Template for mounting boxes 2 holes diameter 68 mm EKF EXPERT	sh-d68-2
	Template for mounting boxes 2 holes diameter 72 mm EKF EXPERT	sh-d72-2
	Template for mounting boxes 2 holes diameter 82 mm EKF EXPERT	sh-d82-2
	Template for mounting boxes 3 holes diameter 68 mm EKF EXPERT	sh-d68-3
	Template for mounting boxes 3 holes diameter 72 mm EKF EXPERT	sh-d72-3
	Template for mounting boxes 3 holes diameter 82 mm EKF EXPERT	sh-d82-3
	Template for mounting boxes 4 holes diameter 68 mm EKF EXPERT	sh-d68-4
	Template for mounting boxes, 4 holes diameter 72 mm EKF EXPERT	sh-d72-4
	Template for mounting boxes, 4 holes diameter 82 mm EKF EXPERT	sh-d82-4
	Template for mounting boxes 5 holes diameter 68 mm EKF EXPERT	sh-d68-5
	Template for mounting boxes 5 holes diameter 72 mm EKF EXPERT	sh-d72-5
	Template for mounting boxes 5 holes diameter 82 mm EKF EXPERT	sh-d82-5



# DIAMOND DISKS

## DIAMOND DISKS



Compared to segmented discs, turbo rimmed discs produce cleaner and neater cut. Turbo rim helps to increase cutting speed, while the perforation in the body of the disc improves cooling and extend the life of the tool. Suitable for both wet and dry cutting.

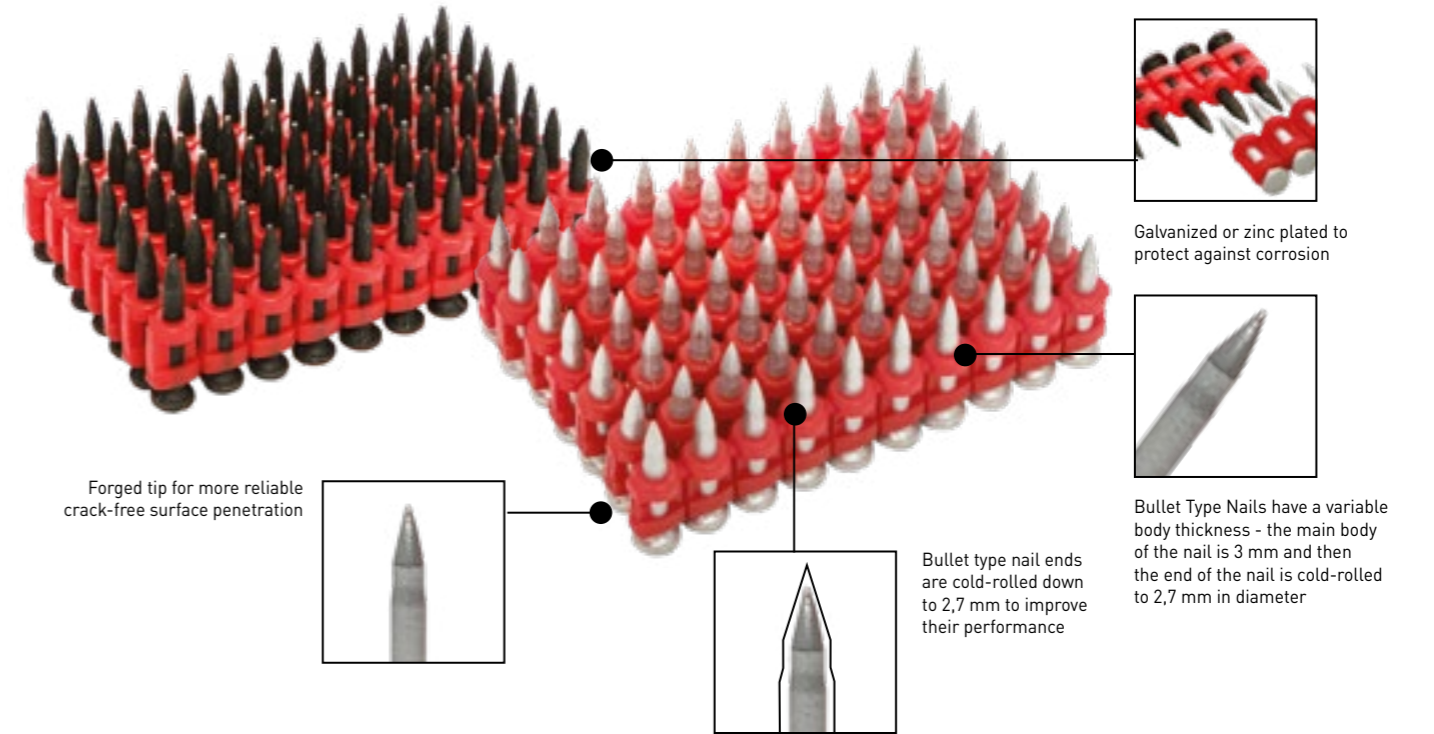
No need for forced water cooling when cutting.



Picture	Name	Description	Outer diameter, mm	Maximum rotational speeds, r.p.m.	Thickness / height of the cutting edge, mm	Depth of cut, mm	Item code
	Diamond disk Segment (125 x 22.23 mm) EKF MASTER	Concrete, curbstone, refractory and regular brick, paving slabs, and hard sandstone	125	12200	2,2 / 10	20	dd-125s
	Diamond disk Segment (150x22.23 mm) EKF MASTER		150	10200	2,2 / 10	30	dd-150s
	Diamond disk Segment (230x22.23 mm) EKF MASTER		230	6600	2,7 / 10	60	dd-230s
	Diamond disk Turbo (125x22.23 mm) EKF MASTER	High-speed cutting: concrete, curbstone, brick, paving slabs, hard sandstone, granite	125	12000	2,2 / 10	20	dd-125t
	Diamond disk Turbo (150x22.23 mm) EKF MASTER		150	10200	2,3 / 10	30	dd-150t
	Diamond disk Turbo (230x22.23 mm) EKF MASTER		230	6600	2,8 / 10	60	dd-230t
	Diamond disk Hard Segment (125x22.23 mm) EKF EXPERT	Reinforced concrete, curbstone, natural stone, paving slabs, bricks, granite	125	12200	2 / 10	20	dd-125hps
	Diamond disk Hard Segment (150x22.23 mm) EKF EXPERT		150	10200	2,2 / 10	30	dd-150hps
	Diamond disk Hard Segment (230x22.23 mm) EKF EXPERT		230	6800	2,4 / 10	60	dd-230hps
	Diamond disk Turbo Segment (125x22.23 mm) EKF EXPERT		125	12200	2,1 / 10	20	dd-125ts
	Diamond disk Turbo Segment (230x22.23 mm) EKF EXPERT		230	6600	2,5 / 10	60	dd-230ts

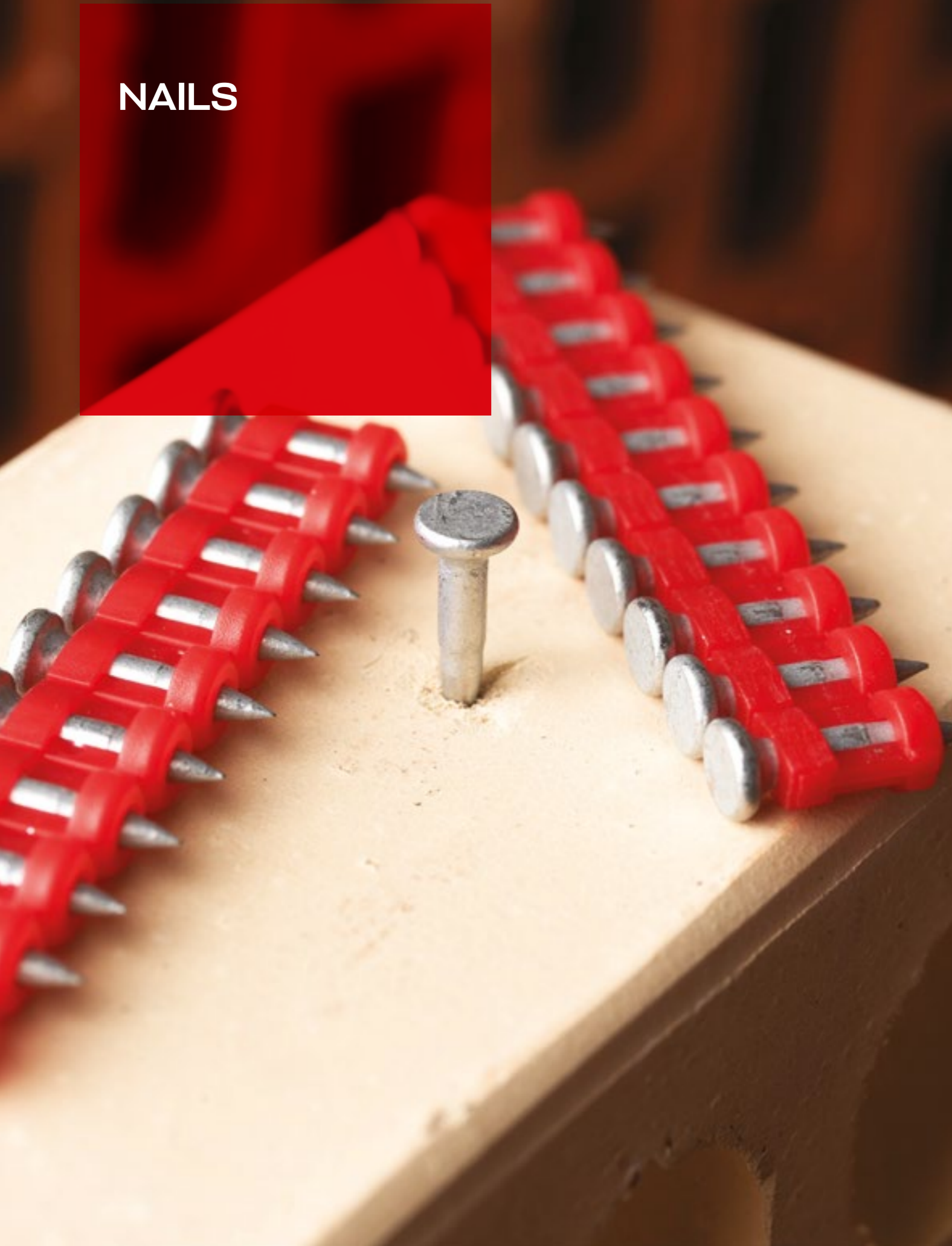


Nail gun nails are designed for instant securing of utility and suspension system elements to concrete, brick and metal using combustion-powered (gas) nail guns. Standard, galvanized nails are suitable for use in fixing brick and softer concrete. Bullet Type Nails galvanized, reinforced, forged point - for mounting to medium and high-strength concrete and to ceiling concrete.



Picture	Name	Type of nail / coating	Sizes, mm (diameter x length)	Item code
	Forged nails for concrete, metal (type CN) Bullet Type 3 mm diameter, length 17 mm, galvanized (1000 pcs.)	Reinforced forged Bullet Type tip, zinc plated	3,0x17	cpn-3017bp
	Forged nails for concrete, metal (type CN) Bullet Type 3 mm diameter, length 19 mm, galvanized (1000 pcs.)		3,0x19	cpn-3019bp
	Forged nails for concrete, metal (type CN) Bullet Type 3 mm diameter, length 22 mm, galvanized (1000 pcs.)		3,0x22	cpn-3022bp
	Forged nails for concrete, metal (type CN) Bullet Type 3 mm diameter, length 25 mm, galvanized (1000 pcs.)		3,0x25	cpn-3025bp
	Nails for concrete, metal, brick (type CN) diameter 2,7 mm, length 17 mm (1000 pcs.)	Standard, blued	2,7x17	cpn-2717bg
	Nails for concrete, metal, brick (type CN) diameter 2,7 mm, length 19 mm (1000 pcs.)		2,7x19	cpn-2719bg
	Nails for concrete, metal, brick (type CN) diameter 2,7 mm, length 22 mm (1000 pcs.)		2,7x22	cpn-2722bg
	Nails for concrete, metal, brick (type CN) diameter 2,7 mm, length 25 mm (1000 pcs.)		2,7x25	cpn-2725bg

NAILS





# MEASURING TOOLS



## DISTANCE METERS



The laser distance meter is a compact portable measuring instrument designed for the following operations: single distance measurement; continuous distance measurement; area measurement; volume measurement; indirect measurement (Pythagoras); addition and subtraction function; storing and recalling a value from memory.



Name	Range of measurement, m	Number of reference points	Accuracy, mm	Item code
Laser distance meter LDM-50 EKF EXPERT	50	2	± 2.0	ldm-50
Laser distance meter LDM-70 EKF EXPERT	70			ldm-70

## TAPE MEASURES

Tape measures are intended for linear measurements. Class 2 accuracy, sufficient for all general construction work.



Name	Length, m	Item code
Tape measure RS-10 (3 m x 16 mm) EKF	3	rs-10-3-16-quad
Tape measure RS-10 (5 m x 25 mm) EKF	5	rs-10-5-25-quad
Tape measure RS-10 (7,5 m x 25 mm) EKF	7,5	rs-10-7.5-25-quad



EKF offers a wide range of high-precision measuring instruments for quick and easy measurement.

# MEASURING INSTRUMENTS



**Multimeters** are used in electrical and electronic engineering to determine the key characteristics of DC and AC circuits. Depending on their functions, the devices can measure basic parameters such as current, voltage, electrical resistance and polarity.

**Digital clamp meters** are designed to measure current without breaking the circuit. Some models have additional functions for measuring voltage, frequency and temperature.

**Infrared thermometer (pyrometer)** is a device for non-contact measurement of the temperature.

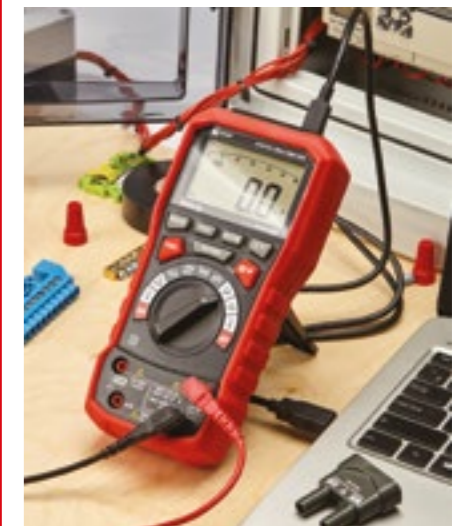
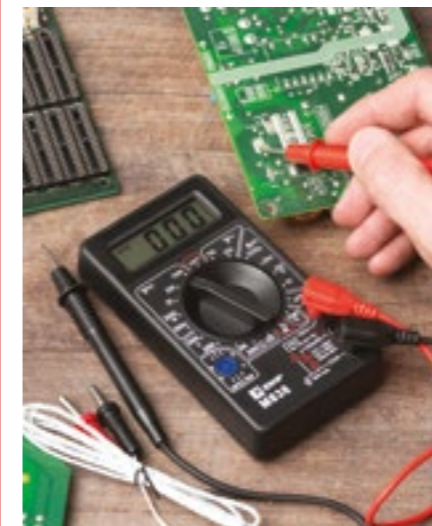
## SERIES

All products are available in three series, differing in terms of measuring range, basic functionality and quality of the materials.

**MASTER** is a well-balanced range of easy-to-use and reliable products

**EXPERT** features high quality measuring instruments with a wide set of functions for everyday use

**PROFESSIONAL** features devices with an extended set of functions



## SAFETY CATEGORY

All digital multimeters and digital clamp meters comply with IEC 61010-1:2001 in terms of safety requirements, and IEC 61326-2-1:2005 and IEC 61326-2-2:2005 in terms of electromagnetic compatibility. Non-contact thermometer (pyrometer) MS6519B EKF EXPERT complies with EN61326-1, EN61010-1, EN60825-1. When selecting a device, you have to know the voltage you will work with. Depending on the safety requirements, the measuring instruments belong to certain categories. The higher the safety category of the tool, the lower the risk of electrical injury.



Category I



Category II



Category III



Category IV

CAT I is designed for low voltage circuits and standard office equipment (telephones, alarms, printers, copiers).

CAT II - for domestic networks and for testing single-phase equipment, including electrical construction tools and household appliances (impact drivers, washing machines).

CAT III - for three-phase networks and equipment (domestic electricity meters, industrial motors, welding machines, single-phase lighting lines).

CAT IV - for work on overhead power lines (OPL), underground cables, industrial electricity meters, transformer substations.

Safety category	I	II	III	IV
Series	Master		Expert / Professional	





**M182**  
SAFETY: CAT II 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2000 mV / 20 V / 200 V / 500 V	±1,0%±5D
Alternating current voltage (ACV)	200 V / 500 V	±2%±10D
Direct current (DCA)	2000 µA / 20 mA / 200 mA	±2,0%±2D
Electrical resistance (Ω)	200 Ohm / 2000 Ohm / 20 kOhm / 200 kOhm / 2000 kOhm	±1,0%±4D

- Additional functions:**
- diode test
  - transistor test
  - circuit continuity test (buzzer)
  - battery test
- Delivery scope:**  
Multimeter - 1 pc.  
Set of probes (red/black) - 1 pc.  
Battery 12 V -1 pc.  
Technical and operation manual - 1 pc.

D - least significant digit value



**M830V**  
SAFETY: CAT I 1000V, CAT II 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2000 mV / 20 V / 200 V / 1000 V	±1,0%±5D
Alternating current voltage (ACV)	200 V / 750 V	±2,0%±10D
Direct current (DCA)	200 µA / 2000 µA / 20 mA / 200 mA / 10 A	±2,0%±10D
Electrical resistance (Ω)	200 Ohm / 2000 Ohm / 20 kOhm / 200 kOhm / 2000 kOhm	±1,0%±4D

- Additional functions:**
- diode test
  - transistor test
- Delivery scope:**  
Multimeter - 1 pc.  
Set of probes (red/black) - 1 pc.  
Battery 9 V -1 pc.  
Technical and operation manual - 1 pc.

D - least significant digit value



**M832**  
SAFETY: CAT I 1000V, CAT II 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2000 mV / 20 V / 200 V / 1000 V	±1,0%±5D
Alternating current voltage (ACV)	200 V / 750 V	±2,0%±10D
Direct current (DCA)	2000 µA / 20 mA / 200 mA / 10 A	±2,0%±10D
Electrical resistance (Ω)	200 Ohm / 2000 Ohm / 20 kOhm / 200 kOhm / 2000 kOhm	±1,0%±4D

- Additional functions:**
- diode test
  - transistor test
  - circuit continuity test (buzzer)
  - signal generator
- Delivery scope:**  
Multimeter - 1 pc.  
Set of probes (red/black) - 1 pc.  
Battery 9 V -1 pc.  
Technical and operation manual - 1 pc.

D - least significant digit value



**M838**  
SAFETY: CAT I 1000V, CAT II 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2000 mV / 20 V / 200 V / 1000 V	±1,0%±5D
Alternating current voltage (ACV)	200 V / 750 V	±2,0%±10D
Direct current (DCA)	2000 µA / 20 mA / 200 mA / 10 A	±2,0%±10D
Electrical resistance (Ω)	200 Ohm / 2000 Ohm / 20 kOhm / 200 kOhm / 2000 kOhm	±1,0%±4D
Temperature (°C)	from - 40 to +1370°C	±1,5%±15D

- Additional functions:**
- diode test
  - transistor test
  - circuit continuity test (buzzer)
- Delivery scope:**  
Multimeter - 1 pc.  
Set of probes (red/black) - 1 pc.  
Battery 9 V -1 pc.  
Thermocouple, type K - 1 pc.  
Technical and operation manual - 1 pc.

D - least significant digit value



**MS8232**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2 V / 20 V / 200 V / 600 V	±0,8%±5D
Alternating current voltage (ACV)	2 V / 20 V / 200 V / 600 V	±1,0%±5D
Direct current (DCA)	200 µA / 2000 µA / 20 mA / 200 mA	±1,8%±5D
Alternating current (ACA)	200 µA / 2000 µA / 20 mA / 200 mA	±2,0%±5D
Electrical resistance (Ω)	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm / 20 MOhm	±1,2%±15D

- Additional functions:**
- diode test
  - circuit continuity test (buzzer)
  - data hold
  - non-contact voltage detection
  - backlit display
  - automatic range selection
  - automatic power off
- Delivery scope:**  
Multimeter - 1 pc.  
Set of probes (red/black) - 1 pc.  
Battery 1,5 V -2 pcs.  
Technical and operation manual - 1 pc.

D - least significant digit value



**MS8211**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2 V / 20 V / 200 V / 600 V	±0,8%±5D
Alternating current voltage (ACV)	2 V / 20 V / 200 V / 600 V	±1,0%±5D
Direct current (DCA)	20 mA / 200 mA	±1,8%±5D
Alternating current (ACA)	20 mA / 200 mA	±2,0%±5D
Electrical resistance (Ω)	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm / 20 MOhm	±1,2%±15D

- Additional functions:**
- diode test
  - circuit continuity test (buzzer)
  - data hold
  - non-contact voltage detection
  - backlit display
  - integrated flashlight
  - automatic power off
- Delivery scope:**  
Multimeter - 1 pc.  
Battery 1,5 V - 2 pcs.  
Bag - 1pc.  
Technical and operation manual - 1 pc.

D - least significant digit value

**DESIGN AND FUNCTIONS OF PROTECTIVE CASE**

Plastic protective case in a modern design protects the device from impact damage caused by a fall or careless use, and is easy to put on and take off.



Support for a comfortable upright position



Probe holders



Great ergonomics and high quality materials





**MAS830B**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	200 mV / 2 V / 20 V / 200 V / 600 V	±0,8%±2D
Alternating current voltage [ACV]	200 V / 600 V	±1,2%±10D
Direct current [DCA]	200 μA / 2 mA / 20 mA / 200 mA / 10 A	±3,0%±10D
Electrical resistance [Ω]	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm	±1,0%±5D

**Additional functions:**

- diode test
- transistor test
- data hold

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pcs.
- Technical and operation manual - 1 pc.

D - least significant digit value



**MAS830L**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	200 mV / 2 V / 20 V / 200 V / 600 V	±0,8%±5D
Alternating current voltage [ACV]	200 V / 600 V	±1,2%±10D
Direct current [DCA]	200 μA / 2 mA / 20 mA / 200 mA / 10 A	±3,0%±10D
Electrical resistance [Ω]	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm	±1,0%±5D

**Additional functions:**

- diode test
- transistor test
- data hold
- circuit continuity test (buzzer)
- display backlight

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pcs.
- Technical and operation manual - 1 pc.

D - least significant digit value



**MAS838**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	200 mV / 2 V / 20 V / 200 V / 600 V	±0,8%±5D
Alternating current voltage [ACV]	200 V / 600 V	±1,2%±10D
Direct current [DCA]	2mA / 20 mA / 200 mA / 10 A	±3,0%±10D
Electrical resistance [Ω]	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm	±1,0%±5D
Temperature [°C]	from -20 °C to 1000 °C	±2,0%±3D

**Additional functions:**

- diode test
- transistor test
- data hold
- circuit continuity test (buzzer)

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pcs.
- Thermocouple, type K - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value



**MY61**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	200 mV / 2 V / 20 V / 200 V / 1000 V	±0,8%±2D
Alternating current voltage [ACV]	200 mV / 2 V / 20 V / 200 V / 750 V	±1,2%±3D
Direct current [DCA]	2mA / 20 mA / 200 mA / 10 A	±2,0%±5D
Alternating current [ACA]	2mA / 20 mA / 200 mA / 10 A	±3,0%±7D
Electrical resistance [Ω]	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm / 20 MOhm	±6,0%±10D
Capacitance	20 nF / 200 nF / 2 μF / 20 μF / 200 μF	±6,0%±10D

**Additional functions:**

- diode test
- transistor test
- circuit continuity test (buzzer)
- data hold
- auto power off

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pcs.
- Technical and operation manual - 1 pc.

D - least significant digit value



**MY64**  
SAFETY: CAT III 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	200 mV / 2 V / 20 V / 200 V / 1000 V	±0,8%±2D
Alternating current voltage [ACV]	2 V / 20 V / 200 V / 750 V	±1,2%±3D
Direct current [DCA]	2 mA / 20 mA / 200 mA / 10 A	±2,0%±5D
Alternating current [ACA]	20 mA / 200 mA / 10 A	±3,0%±7D
Electrical resistance [Ω]	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm / 20 MOhm	±6,0%±10D
Capacitance	2 nF / 20 nF / 200 nF / 2 μF / 20 μF / 200 μF	±6,0%±10D
Frequency	20 kHz	±2,0%±5D
Temperature [°C]	from -20 to 1000 °C	±2,0%±5D

**Additional functions:**

- diode test
- transistor test
- circuit continuity test (buzzer)
- data hold
- auto power off

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pc.
- Thermocouple, type K - 1 pc. (only for model MY64)
- Technical and operation manual - 1 pc.

D - least significant digit value



**MS18C**  
SAFETY: CAT III 1000V,  
CAT IV 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	600 mV / 6 V / 60 V / 600 V / 1000 V	±0,5%±3D
Alternating current voltage [ACV]	6 V / 60 V / 600 V / 750 V	±1,0%±10D
Direct current [DCA]	60 μA / 60 mA / 600 mA / 20 A	±1,2%±3D
Alternating current [ACA]	60 mA / 600 mA / 20 A	±1,5%±3D
Electrical resistance [Ω]	600 Ohm / 6 kOhm / 60 kOhm / 600 kOhm / 6 MOhm / 60 MOhm	±1,2%±30D
Capacitance	6 nF / 60 nF / 600 nF / 6 μF / 60 μF / 600 μF / 6 mF / 100 mF	±5,0%±3D
Frequency	9,999 Hz / 99,99 Hz / 999,9 Hz / 9,999 kHz / 99,99 kHz / 999,9 kHz / 9,999 MHz	±1,0%±3D
Temperature [°C]	from -20 to 1000 °C	±1,0%±3D
Temperature [°F]	from -4 to 1832 °F	±1,0%±3D

**Additional functions:**

- diode test
- transistor test
- data hold
- non-contact voltage detection
- live circuit test
- circuit continuity test (buzzer)
- display backlight
- integrated flashlight
- automatic power off

**Delivery scope:**

- Multimeter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 1,5 V - 4 pcs.
- Thermocouple, type K - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value

DIGITAL MULTIMETERS. PROFESSIONAL



**MS8236**  
SAFETY: CAT III 1000V,  
CAT IV 600V



Measurement	Measuring range	Accuracy
Direct current voltage [DCV]	60 mV / 600 mV / 6 V / 60 V / 600 V / 1000 V	±0,7%±2D
Alternating current voltage [ACV]	60 mV / 600 mV / 6 V / 60 V / 600 V / 750 V	±1,0%±3D
Direct current [DCA]	600 μA / 6000 μA / 60 mA / 600 mA / 6 A / 10 A	±2,0%±10D
Alternating current [ACA]	600 μA / 6000 μA / 60 mA / 600 mA / 6 A / 10 A	±3,0%±10D
Electrical resistance [Ω]	600 Ohm / 6 kOhm / 60 kOhm / 600 kOhm / 6 MOhm / 60 MOhm	±2,0%±5D
Capacitance	10 nF / 100 nF / 1000 nF / 10 μF / 100 μF / 1000 μF / 10 mF	±3,0%±3D
Frequency	10 Hz / 100 Hz / 1000 Hz / 10 kHz / 100 kHz / 1000 kHz / 10 MHz	±1,0%±3D
Temperature [°C]	from -20 to 1000 °C	±1,0%±2D
Temperature [°F]	from -4 to 1832 °F	±1,0%±2D

**Additional functions:**

- diode test
- transistor test
- data hold
- display backlight
- circuit continuity test (buzzer)
- automatic range selection
- relative measurement mode
- measurement and recording of maximum and minimum values
- USB-interface
- automatic power off

**Delivery scope:**

- Multimeter - 1 pc., Bag - 1 pc.
- Set of probes (red/black) - 1 pc.
- Multifunction transistor tester - 1 pc.
- USB driver disk - 1 pc., USB cable - 1 pc.
- Battery 1.5 V - 4 pcs.
- Thermocouple type K - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value

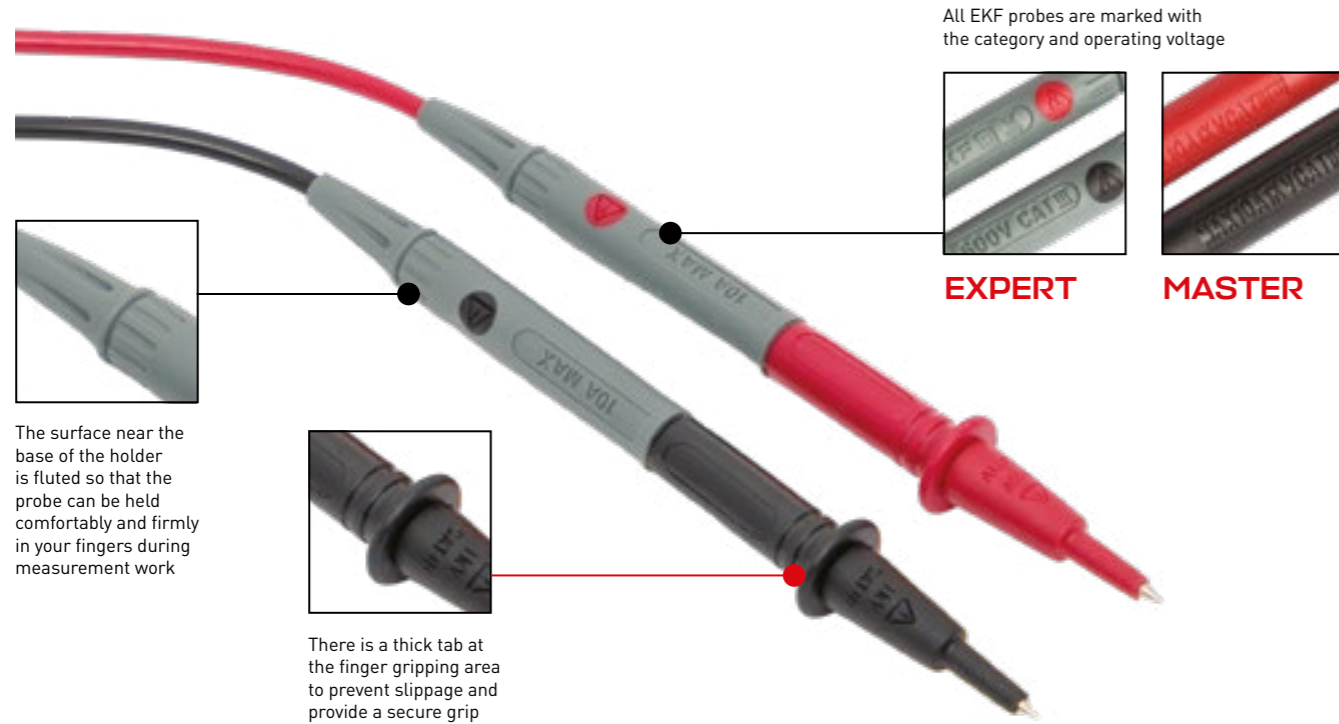


Name	M182	M830B	M832	M838	MS8232
Series	MASTER	MASTER	MASTER	MASTER	EXPERT
Safety category	CAT II 600V	CAT I 1000V CAT II 600V	CAT I 1000V CAT II 600V	CAT I 1000V CAT II 600V	600V CATIII
Digit capacity	1999	1999	1999	1999	2000
Automatic selection of measurement modes	-	-	-	-	-
Automatic selection of measuring range	-	-	-	-	●
Direct current voltage [DCV]	500 V	1000 V	1000 V	1000 V	600 V
Alternating current voltage [ACV]	500 V	750 V	750 V	750 V	600 V
Direct current [DCA]	0,2 A	10 A	10 A	10 A	0,2 A
Alternating current [ACA]	-	-	-	-	0,2 A
Electrical resistance [Ω]	2 MΩhm	2 MΩhm	2 MΩhm	2 MΩhm	20 MΩhm
Capacitance	-	-	-	-	-
Frequency	-	-	-	-	-
Temperature	-	-	-	1370 °C	-
Duty cycle	-	-	-	-	-
Diode test	●	●	●	●	●
Circuit continuity test (buzzer)	●	-	●	●	●
hFE transistors	●	●	●	●	-
Signal generator 50Hz (meander)	-	-	●	-	-
True RMS	-	-	-	-	-
Relative measurement	-	-	-	-	-
DATA HOLD Function	-	-	-	-	●
MAX/Min value	-	-	-	-	-
USB-interface (USB)	-	-	-	-	-
Non-contact voltage detection [NCV]	-	-	-	-	●
Live circuit test	-	-	-	-	-
Display backlight	-	-	-	-	●
Integrated flashlight	-	-	-	-	●
Auto power off	-	-	-	-	●
Weight (with battery), g	53	108	108	108	150
Overall dimensions (mm)	50×100×23	70×126×26	70×126×26	70×126×26	61×128×25
Item code	In-180701-bm182	In-180701-bm830B	In-180701-bm832	In-180701-bm838	In-180701-pm8232

Name	MS8211	MAS830B	MAS830L	MAS838	MY61	MY64	MS18C	MS8236
Series	EXPERT	EXPERT	EXPERT	EXPERT	EXPERT	EXPERT	EXPERT	PROFESSIONAL
Safety category	600V CATIII	600V CATIII	600V CATIII	600V CATIII	600V CATIII	600V CATIII	1000V CATIII 600V CATIV	1000V CATIII 600V CATIV
Digit capacity	1999	1999	1999	1999	1999	1999	6000	6000
Automatic selection of measurement modes	-	-	-	-	-	-	-	●
Automatic selection of measuring range	●	-	-	-	-	-	-	●
Direct current voltage [DCV]	600 V	600 V	600 V	600 V	1000 V	1000 V	1000 V	1000 V
Alternating current voltage [ACV]	600 V	600 V	600 V	600 V	750 V	750 V	750 V	750 V
Direct current [DCA]	0,2 A	10 A	10 A	10 A	10 A	10 A	20 A	10 A
Alternating current [ACA]	0,2 A	-	-	-	10 A	10 A	20 A	10 A
Electrical resistance [Ω]	20 MΩhm	2 MΩhm	2 MΩhm	2 MΩhm	200 MΩhm	200 MΩhm	60 MΩhm	60 MΩhm
Capacitance	-	-	-	-	0,2 mF	0,2 mF	100 mF	10 mF
Frequency	-	-	-	-	-	0,02 MHz	9,999 MHz	10 MHz
Temperature	-	-	-	1000 °C	-	1000 °C	1000 °C	1000 °C
Duty cycle	-	-	-	-	-	-	-	●
Diode test	●	●	●	●	●	●	●	●
Circuit continuity test (buzzer)	●	-	●	●	●	●	●	●
hFE transistors	-	●	●	●	●	●	●	●
Signal generator 50Hz (meander)	-	-	-	-	-	-	-	-
True RMS	●	-	-	-	-	-	●	●
Relative measurement	-	-	-	-	-	-	-	●
DATA HOLD Function	●	●	●	●	●	●	●	●
MAX/Min value	-	-	-	-	-	-	-	●
USB-interface (USB)	-	-	-	-	-	-	-	●
Non-contact voltage detection [NCV]	●	-	-	-	-	-	●	-
Live circuit test	-	-	-	-	-	-	●	-
Display backlight	●	-	●	-	-	-	●	●
Integrated flashlight	●	-	-	-	-	-	●	-
Auto power off	●	-	-	-	●	●	●	●
Weight (with battery), g	110	170	170	170	380	380	380	410
Overall dimensions (mm)	225×38×26	69×138×31	69×138×31	69×138×31	93×188×50	93×188×50	89×190×50	94×204×57
Item code	In-180701-pm8211	In-180701-pm830B	In-180701-pm830L	In-180701-pm838	In-180701-pm61	In-180701-pm64	In-180701-pm18C	In-180701-pm8236



Probes are important accessories for any multimeter. The wires for EKF probes are highly flexible and reliably insulated.



It is important to connect the wires correctly - the black probe is plugged into the common socket, the red one into the "+" socket.

Picture	Name	Series	Maximum current, A	Length of wire, mm	Item code
	Alligator clip set TLA3102 EKF EXPERT		20	-	TLA3102
	Set of probes TL3001 (1m )(20AWG) EKF EXPERT	EXPERT	10	1000	TL3001
	Set of probes TL3006 (1.2m)(18AWG) EKF EXPERT		20	1200	TL3006



**226**  
**SAFETY: CAT I 1000V, CAT II 600V**



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	1000 V	±1,0%±5D
Alternating current voltage (ACV)	750 V	±1,2%±5D*
Alternating current (ACA)	200 A / 1000 A	±2,5%±8D*
Electrical resistance (Ω)	200 Ohm / 20 kOhm	±1,0%±4D

**Additional functions:**

- circuit continuity test (buzzer)
- data hold

**Delivery scope:**

- Digital clamp meter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pc.
- Bag - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value



**266F**  
**SAFETY: CAT I 1000V, CAT II 600V**



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	2 V / 20 V / 200 V / 1000 V	±1,0%±5D
Alternating current voltage (ACV)	200 V / 750 V	±1,2%±5D*
Alternating current (ACA)	200 A / 1000 A	±2,5%±8D
Electrical resistance (Ω)	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm	±1,0%±4D
Frequency	2 kHz	±3,0%±5D*

**Additional functions:**

- circuit continuity test (buzzer)
- data hold
- diode test

**Delivery scope:**

- Digital clamp meter - 1 pc., Bag - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 9 V - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value



**266C**  
**SAFETY: CAT II 1000V, CAT III 600V**



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	200 mV / 2 V / 20 V / 200 V / 1000 V	±0,8%±3D
Alternating current voltage (ACV)	200 V / 750 V	±1,2%±5D*
Alternating current (ACA)	20 A / 200 A / 1000 A	±3,0%±10D
Electrical resistance (Ω)	200 Ohm / 2 kOhm / 20 kOhm / 200 kOhm / 2 MOhm	±1,0%±8D*
Temperature (°C)	From 0 to 750 °C	±1,0%±3D
Temperature (°F)	From 32 to 1832 °F	±1,0%±3D

**Additional functions:**

- circuit continuity test (buzzer)
- data hold

**Delivery scope:**

- Digital clamp meter - 1 pc., Bag - 1 pc.
- Set of probes (red/black) - 1 pc.
- Thermocouple, type K - 1 pc.
- Battery 9 V - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value



**MS2016S**  
**SAFETY: CAT III 600V**



Measurement	Measuring range	Accuracy
Direct current voltage (DCV)	600 V	±0,5%±3D
Alternating current voltage (ACV)	600 V	±0,8%±5D
Alternating current (ACA)	6 A / 60 A / 200 A	±2,5%±8D*
Electrical resistance (Ω)	6 kOhm	±0,8%±3D*
Frequency	60 Hz / 1000 Hz	±1,0%±5D

**Additional functions:**

- circuit continuity test (buzzer)
- data hold
- non-contact voltage detection
- backlit display
- automatic range selection
- automatic power off

**Delivery scope:**

- Digital clamp meter - 1 pc.
- Set of probes (red/black) - 1 pc.
- Battery 1,5 V - 2 pcs.
- Case - 1 pc.
- Technical and operation manual - 1 pc.

D - least significant digit value

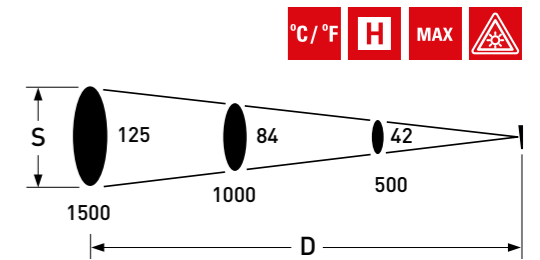


Name	266	266F	M266C	MS2016S
Series	MASTER	MASTER	EXPERT	EXPERT
Safety category	CAT I 1000V CAT II 600V	CAT I 1000V CAT II 600V	1000V CATII 600V CATIII	600V CATIII
Digit capacity	1999	1999	1999	6000
Automatic selection of measurement modes	-	-	-	●
Automatic selection of measurement ranges	-	-	-	●
DC voltage	1000 V	1000 V	1000 V	600 V
AC voltage	750 V	750 V	750 V	600 V
Voltage measurement with low input impedance LOWz	-	-	-	-
Direct current	-	-	-	-
Alternating current (ACA)	1000 A	1000 A	1000 A	200 A
Resistance	20 MOhm	20 MOhm	20 MOhm	0,006 MOhm
Capacitance	-	-	-	-
Frequency	-	0,002 MHz	-	0,001 MHz
Temperature	-	-	750 °C	-
Duty cycle	-	-	-	-
Diode test	-	●	-	-
Buzzer	●	●	●	●
hFE transistors	-	-	-	-
True RMS	-	-	-	-
Relative measurement	-	-	-	-
DATA HOLD Function	●	●	●	●
MAX-MIN value	-	-	-	-
Non-contact voltage detection (NCV)	-	-	-	●
Display backlight	-	-	-	●
Integrated flashlight	-	-	-	-
Auto power off	-	-	-	●
Weight (with battery), g	240	240	330	150
Overall dimensions (mm)	68×230×37	68×230×37	96×235×46	53×158×28
Item code	In-180702-bc266	In-180702-bc266F	In-180702-pc266C	In-180702-pc2016S



#### MS6519A MS6519B

Non-contact thermometer (pyrometer) EKF EXPERT complies with EN61326-1, EN61010-1, EN60825-1. The ratio between distance and spot size (D:S) is 12:1. While measuring, the thermometer will emit light shaped as an indicator ring. The measured temperature is the surface temperature of the target within this ring. The smaller the target, the closer you should hold the thermometer.



Characteristics	MS6519A	MS6519B
Display	LCD colour display	LCD colour display
D:S resolution	12:1	12:1
Emissivity range	0,10-1,00	0,10-1,00
Spectral range, μm	8-14	8-14
Laser power, mW	< 1	< 1
Wavelength, nm	630-670	630-670
Laser hazard class	2	2
Response time, s	< 0,5	< 0,5
Auto power off, sec.	30	30
Operating temperature, °C	From 0 to 40	From 0 to 40
Storage temperature, °C	From -10 to 60	From -10 to 60
Power supply	AAA 2×1,5 V	AAA 2×1,5 V
Measuring temperature range (non-contact measurement), °C [°F]	-50 to +580	-50 to +550 [-58 to +1022]
Accuracy (non-contact measurement), °C	From -50 to 0 (±3) From 0 to 380 (±1.5% +2)	From -50 to 0 (±3) From 0 to 550 (±1.5% +2)
Dimensions, mm	165×100×46	165×100×46
Weight, g	200	200
Service life, years	10	10
Item code	In-180703-pt6519A	In-180703-pt6519B

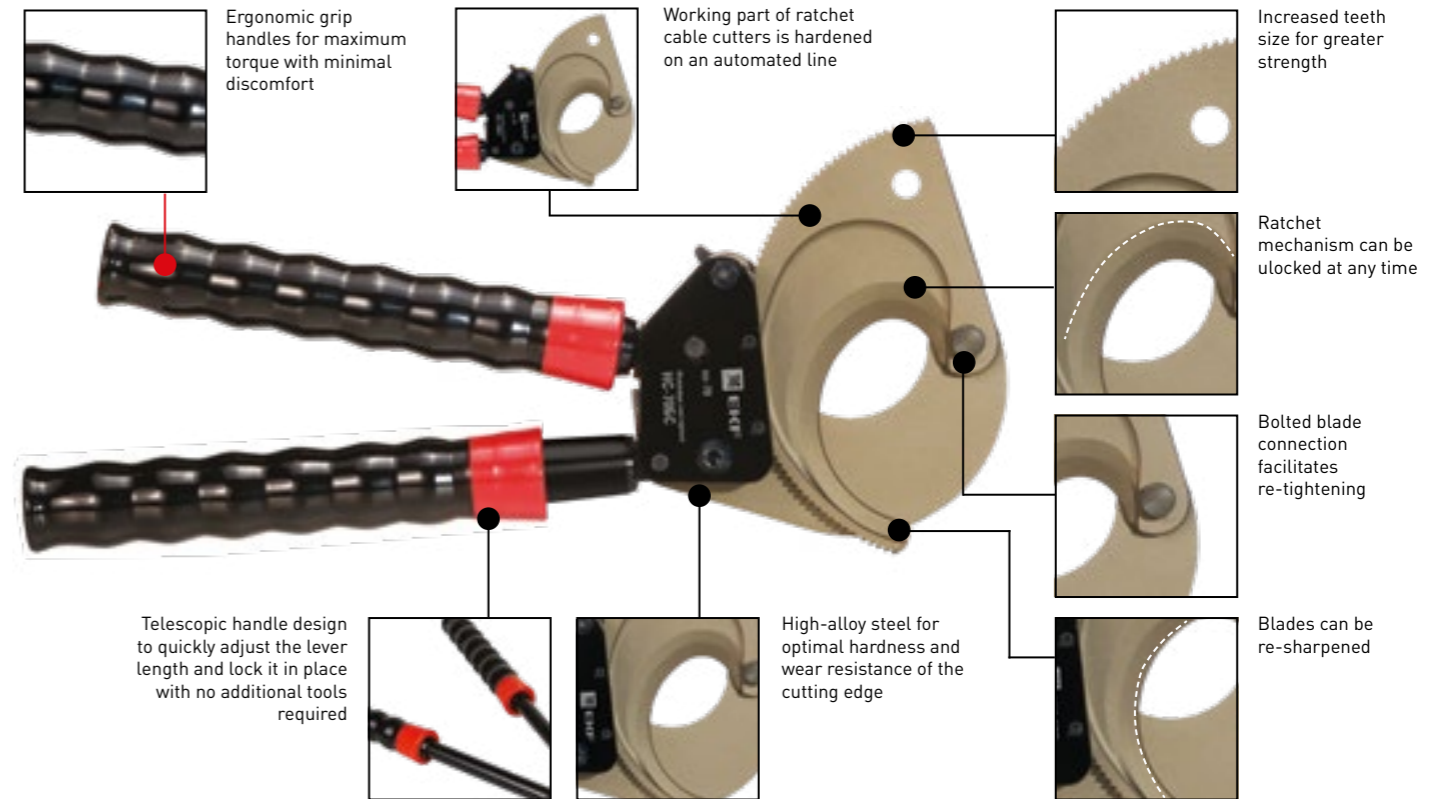
- Additional functions:**
- temperature measurement
  - measurement and recording of maximum values
  - data hold
  - display backlight
  - auto power off

- Delivery scope:**
- Non-contact thermometer (pyrometer) - 1 pc.
  - Battery 1,5 V - 2 pcs.
  - Technical and operation manual - 1 pc.





The working part of ratchet cable cutter is made of a high-alloy steel for optimal hardness and wear resistance of the cutting edge. For your convenience, ratchet cable cutters are supplied in a durable dirt- and water-resistant bag.



Model	Unarmored cable	Steel tape armored cable	Steel wire armored cable	Aluminium conductor steel-reinforced cable	Steel ropes 1x7	Steel ropes 1x19	Low carbon steel bars and fittings, chains
NC-30C	-	-	10	30	10	-	-
NC-32M	32	32	-	-	-	-	-
NC-32BAS	32	32	-	32	-	-	8
NC-45BC	45	45	-	-	-	-	-
NC-50BAS	-	-	16	50	12	16	16
NC-70BS	75	75	70	-	-	-	-
NC-100BCR	110	110	-	-	-	-	-

In order to select an appropriate model of cable cutters, plan ahead what materials you will be cutting. Ratchet cable cutters designed for cutting copper and aluminium cables (both armored and not) will be damaged or will break if you try to cut a steel rope. Conversely, ratchet cable cutters designed for cutting steel wire ropes or ACSR cables will, at best, chop or mash (rather than cleanly cut) a thick and ductile copper cable.

The working range of the cable cutters is specified on the basis of the maximum diameter of bunched or stranded aluminium cable (unarmoured) that they are able to cut. When selecting cable cutters, we recommend selecting a tool with some cutting range head-room.

- Copper cable requires more powerful cutters than the aluminium cable of equivalent diameter.
- Solid core bunched cable requires more effort to cut than the stranded wire cable.
- Armored cables (steel tape or additional lead/aluminium shielding) require more powerful cutters than the unarmored cables of equivalent cross-section.

Follow the rules above to select an appropriate tool if you are planning on cutting steel rope.

Aluminium conductor steel-reinforced cable, as well as steel wire armored cable require cable cutters with blades of higher hardness. Select an appropriate model based on the number and cross-section of the wires forming the reinforcing core.



## NC-30C



### Description:

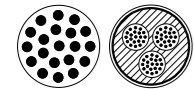
Ratchet cable cutter NC-30C EKF EXPERT with replaceable blades is designed for cutting stranded copper and aluminium cables, including armoured ACSR cable and low-alloy steel rebar.  
 Maximum diameter of ACSR cable, mm: 35.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 630.  
 Diameter of steel rope, mm: 30.  
 Maximum diameter of low-alloy steel rebar, mm: 14.  
 Maximum diameter of steel chain, mm: 8.  
 Recommended for cutting aerial bundled cable.

### Features:

- Replaceable blades.
- The most affordable model in the product range.
- Quick release lever.
- Smaller gear train teeth size for lower cutting effort.
- Bolted blade connection facilitates re-tightening.
- Blades can be resharpened to extend the service life.

Weight, g	Length, mm	Delivery scope	Item code
3650	400	Ratchet cable cutter, technical manual, storage and carrying bag	nc-30

## NC-32M



### Description:

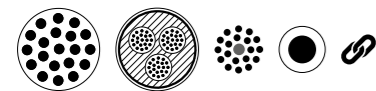
Ratchet cable cutter NC-32M EXPERT is designed for cutting stranded copper and aluminium unarmoured cables with the maximum diameter of 32 mm. Can be used for cutting ABC without a steel supporting strand.  
 Maximum cross-section of Cu cable, mm<sup>2</sup>: 4x50.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 4x70.  
 Not intended for cutting armoured cable.

### Features:

- Return spring for easy single-handed cutting.
- Quick release lever.
- Smaller gear train teeth size for lower cutting effort.
- Handle lock for more compact storage.

Weight, g	Length, mm	Delivery scope	Item code
700	250	Ratchet cable cutter, technical manual, storage and carrying bag	nc-32

## NC-32BAC



### Description:

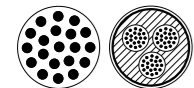
Ratchet cable cutter NC-32BAC EXPERT is designed for cutting tape-armoured stranded copper and aluminium cable with maximum diameter up to 32 mm.  
 Maximum cross-section of Cu cable, mm<sup>2</sup>: 4x50.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 4x70.  
 Aluminium and ACSR cables up to 32 mm in diameter and a steel core of up to 2 mm in diameter.  
 Low-alloy rebar up to 8 mm in diameter.  
 Maximum steel chain diameter, mm: 4.  
 Stainless steel pipes with a wall thickness of up to 2 mm.

### Features:

- Return spring for easy single-handed cutting.
- Quick release lever.
- Smaller gear train teeth size for lower cutting effort.
- Handle lock for more compact storage.
- Suitable for cutting Type 3 ABC, Al and ACSR cable, rebar, pipes and chains.

Weight, g	Length, mm	Delivery scope	Item code
700	255	Ratchet cable cutter, technical manual, storage and carrying bag	nc-32bac

## NC-45BC



### Description:

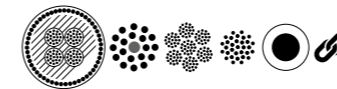
Ratchet cable cutter NC-45BC EXPERT is designed for cutting stranded copper and aluminium cables with a maximum diameter of 45 mm.  
 Maximum total cable cross-section, mm<sup>2</sup>: 400.

### Features:

- Return spring for easy single-handed cutting.
- Quick release lever.
- Smaller gear train teeth size for lower cutting effort.
- Handle lock for more compact storage.

Weight, g	Length, mm	Delivery scope	Item code
900	283	Ratchet cable cutter, technical manual, storage and carrying bag	nc-45

## NC-50BAS



### Description:

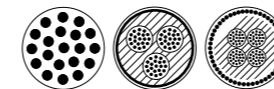
Ratchet cable cutter NC-50BAS EKF EXPERT is designed to cut armoured stranded copper and aluminium cable and ACSR cable, steel wire rope and rebar.  
 Maximum cable diameter, mm: ASRC 50/8 cable [1440 mm<sup>2</sup>].  
 Maximum cross-section of Cu cable, mm<sup>2</sup>: 400.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 400.  
 Maximum diameter of low-alloy steel rebar: 16 mm.  
 Maximum diameter of steel chain, mm: 12.  
 Recommended for cutting ABC.

### Features:

- Unique model in terms of weight and function.
- Cuts ACSR cable with maximum cross-section of 1440 mm<sup>2</sup>.
- Weighs 2,5 times less than competitors.
- Longer service life.
- Quick release lever.
- Smaller gear train teeth size for lower cutting effort.
- Bolted blade connection facilitates re-tightening.
- Blades can be re-sharpened to extend service life.

Weight, g	Length, mm	Delivery scope	Item code
3300	390	Ratchet cable cutter, technical manual, storage and carrying bag	nc-50

## NC-70BS



### Description:

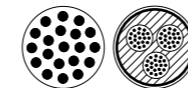
Ratchet cable cutter NC-70BS EKF EXPERT is designed for cutting stranded copper and aluminium cables, reinforced armor cables, and telephone cables up to 3600 twisted pairs.  
 Maximum cable diameter, mm: 70.  
 Maximum cross-section of Cu cable, mm<sup>2</sup>: 3x120.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 3x150.

### Features:

- Most popular model in the range
- Quick release lever.
- Off-center telescopic handles
- Improved teeth profile for increased durability
- Advanced design
- Best in class blade hardness, service life, and geometric stability thanks to meticulous design and manufacturing process.

Weight, g	Length, mm	Delivery scope	Item code
3700	580	Ratchet cable cutter, technical manual, storage and carrying bag	nc-70

## NC-100BCR



### Description:

Ratchet cable cutter NC-100BCR EKF EXPERT is designed for cutting both armoured and unarmoured stranded copper and aluminium cable.  
 Maximum cable diameter, mm: 100.  
 Maximum cross-section of Cu cable, mm<sup>2</sup>: 3x300.  
 Maximum cross-section of Al cable, mm<sup>2</sup>: 3x300.

### Features:

- Off-center telescopic handles
- Improved teeth profile for increased durability
- Advanced design
- Best in class blade hardness, service life, and geometric stability thanks to meticulous design and manufacturing process
- Chop-and-cut blade sharpening for a clean cut without pulling out the inner strands.

Weight, g	Length, mm	Delivery scope	Item code
6650	510	Ratchet cable cutter, technical manual, storage and carrying bag	nc-100



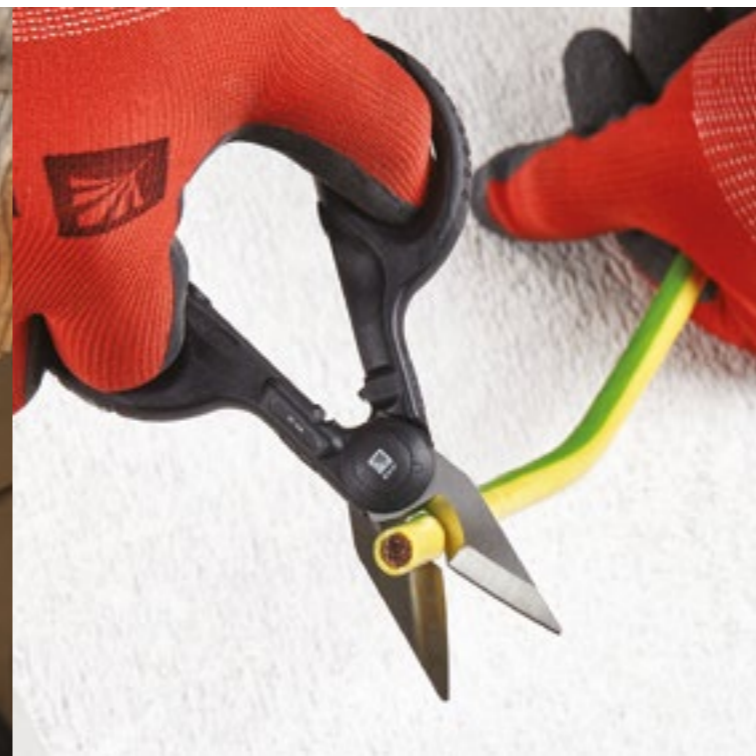
Repair and service kits for ratchet cable cutters.

Picture	Name	Model of ratchet cable cutter	Typical delivery scope	Item code
	Repair kit for ratchet cable cutter NC-50BAC EKF EXPERT	nc-50	Moving blade Fixed blade Ratchet with needle bearings Ratchet pawl Pawl spring Ratchet spring Axial screw Axial screw nut Return spring Pin	slnc-50
	Repair kit for ratchet cable cutter NC-70BC EKF EXPERT	nc-70	Moving blade Fixed blade Ratchet with needle bearings Ratchet pawl Pawl spring Ratchet spring Axial screw Axial screw nut Return spring Pin	slnc-70
	Repair kit for ratchet cable cutter NC-100BCR EKF EXPERT	nc-100	Moving blade Fixed blade Ratchet with needle bearings Axial screw Axial screw nut Multiplier gear Pin	slnc-100

Multi-purpose electrician scissors in plastic case WS-35 EKF PROFESSIONAL are designed for a variety of electrical installation and applications: cutting of stranded copper and aluminium wires up to 50 mm<sup>2</sup>, crimping of type E cord end terminals and insulated cord end terminals, and sheath stripping. **Warning! Not rated for live work!**



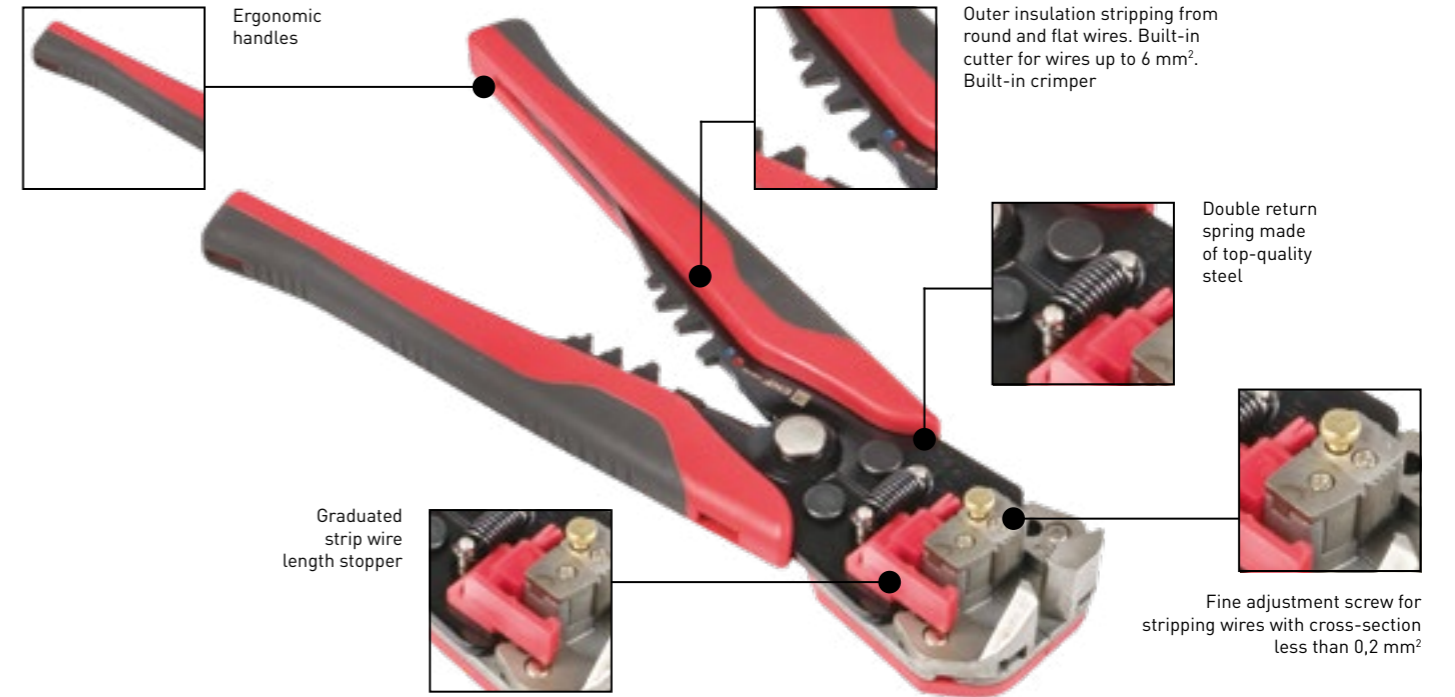
Name	Features:	Weight, g	Length, mm	Item code
Electrician Scissors WS-35 EKF PROFESSIONAL	<ul style="list-style-type: none"> <li>Slot for cutting unarmoured stranded copper cable.</li> <li>Cuts sheet materials: plastic, aluminium, bronze, copper, etc.</li> <li>Not intended for cutting steel.</li> <li>Cable stripping.</li> <li>Wide ergonomic handles for easier cutting.</li> </ul>	150	242	ws-35





## WIRE STRIPPING TOOLS

For quick and accurate wire stripping.



**WIRE STRIPPING TOOLS**



### WS-01



**Description:**  
Wire stripper WS-01 EKF MASTER is used for cutting wires with the cross-section of up to 6 mm<sup>2</sup> and stripping insulation of wires with the cross-section from 0,6 to 2,6 mm<sup>2</sup>.

- Features:**
- Insulation stripping without damaging the conductors.
  - Return spring.
  - Handle block for space-saving storage.

Name	Cross-section, mm <sup>2</sup>	Item code
Wire stripper WS-01 EKF MASTER	0,2-6,0	ws-01

### WS-03



**Description:**  
Wire stripper WS-03 EKF MASTER is designed for stripping single or stranded wires of 0,75 to 6,0 mm<sup>2</sup>.

- Features:**
- Self-aligning tool steel blades with wire sizes of 0,75; 1,0; 1,5; 2,5; 4,0; 6,0 mm<sup>2</sup> for stripping conductors without wire damage.
  - Robust metal body.
  - Adjustable stripped wire length stopper.
  - Powerful return spring.

Name	Cross-section, mm <sup>2</sup>	Item code
Wire stripper WS-03 EKF MASTER	0,75-6,0	ws-03

### WS-04



**Description:**  
Wire stripper WS-04 EKF MASTER is designed for stripping single or stranded wires with the cross-section from 0,75 to 6,0 mm<sup>2</sup>.

- Features:**
- Graduated stripped wire length stopper.
  - Fine adjustment screw for stripping wires with cross section less than 0,2 mm<sup>2</sup>.
  - Double return spring.
  - Crimping: insulated terminals with cross-section from 0,5 to 2,5 mm<sup>2</sup>; automotive double blade connectors; non-insulated terminals with the cross-section from 0,5 to 6,0 mm<sup>2</sup>.

Name	Cross-section, mm <sup>2</sup>	Item code
Wire stripper WS-04 EKF MASTER	0,2-6,0	ws-04



Stripping wires without damaging the conductors is a must for quality electrical installation. EKF offers cable knives and wire strippers of different design. The choice of the right tool depends on the cross-section of the wire, the amount of work to be done and an individual preference of the craftsman. The right tool ensures high productivity with consistent quality. Various designs enable the stripping of PVC, polyethylene, vinyl and composite insulation.

High-quality replaceable steel blades. Insulation range from 0,2 x 16,0 mm<sup>2</sup>

Stripping length can be adjusted from 5 to 25 mm

Robust glass-reinforced polyamide housing

Built-in cutter for wires and cables up to 3 mm in diameter

Handle lock lever for safe and efficient storage

Lanyard attachment point

Space for an inventory control sticker

## WS-11

### Description:

Automatic wire stripper WS-11 EKF PROFESSIONAL is used for stripping solid and stranded wires with the conductor cross-section of 0,2-6,0 mm<sup>2</sup>. Built-in cutter for wires and cables up to 2 mm in diameter.

### Features:

- Automatic adjustment to the conductor cross-section.
- Adjustable stripped length stop from 5 to 12 mm.

Cross-section, mm <sup>2</sup>	Item code
0,2-6,0	ws-11

## WS-14

### Description:

Automatic wire stripper WS-14 EKF PROFESSIONAL is designed for stripping PVC sheath of flat two- and three-strand power cables and the PVC insulation of individual strands of these cables with the cross sections from 0,75 to 4,0 mm<sup>2</sup>. Features a built-in cutter for wires up to 3 mm in diameter.

### Features:

- Five-position switch for fast and accurate adjustment to strip only the outer sheath, or both the sheath and the insulation of internal strands for cables with different cross-sections.
- Can be used for stripping the insulation and sheathing of round cables with the cross-section of 0,5-16 mm<sup>2</sup>.
- To remove the cable sheath of 10-16 mm<sup>2</sup> cables, pre-cut the cable sheath by rotating the tool 90° on its axis.

Cross-section, mm <sup>2</sup>	Item code
0,75-4,0	ws-14

## WS-22

### Description:

Automatic wire stripper WS-22 EKF PROFESSIONAL for stripping solid and stranded wires. Easy stripping of insulation from wires with conductor cross-section from 0,2 to 16,0 mm<sup>2</sup>.

### Features:

- Automatic adjustment to the conductor cross-section.

Cross-section, mm <sup>2</sup>	Item code
0,2 - 16,0	ws-22



## WS-13

### Description:

Multifunctional hand stripper WS-13 EKF PROFESSIONAL features automatic adjustment to strip wires with cross-section from 0,5 to 6,0 mm<sup>2</sup>. Built-in cutter for stranded wires with the cross-section up to 6,0 mm<sup>2</sup> (up to 4,0 mm<sup>2</sup> for solid wires).

### Features:

- Built-in strip length stop from 8 to 20 mm.
- Replaceable integrated blades for stripping PVC insulation from wires.

Cross-section, mm <sup>2</sup>	Item code
0,5-6,0	ws-13



## WS-16

### Description:

Multifunctional hand stripper WS-16 EKF PROFESSIONAL is a tool for stripping NYM-cables from 3x1,5 to 5x2,5 mm<sup>2</sup>; PVC sheath stripping of round cables of 8-13 mm diameter and stripper for individual conductors with the cross-section of 0,5-6,0 mm<sup>2</sup>.

### Features:

- Retractable hook blade, enclosed by the tool body when not in use.
- Moulded handle to securely hold the tool.
- Solid and stranded wire stripper 0,5-6,0 mm<sup>2</sup>.
- Ergonomic glass-reinforced polyamide body.
- Circular and longitudinal sheath cutting.
- Lock for compact carry and storage.

Cross-section, mm <sup>2</sup>	Item code
0,5-6,0	ws-16



## WS-17

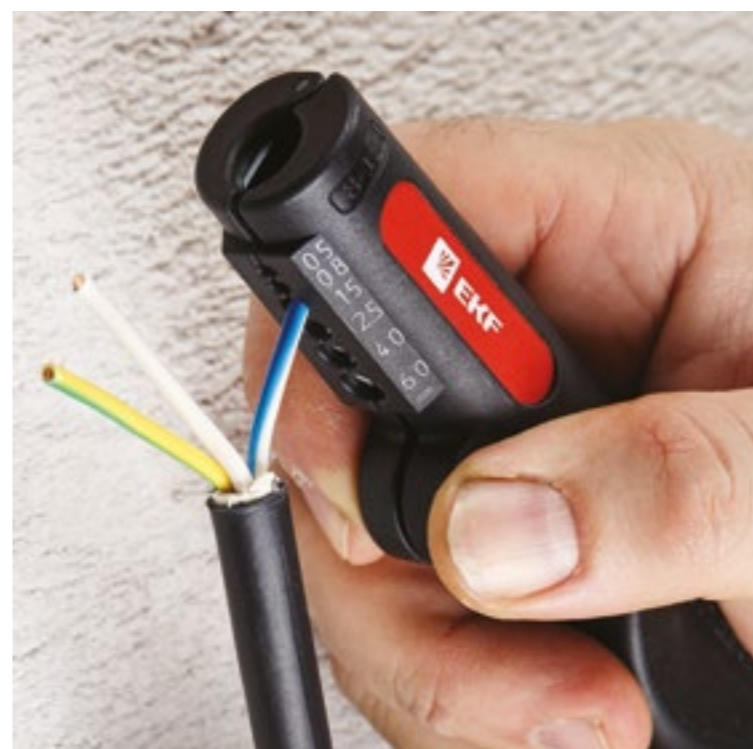
### Description:

Multifunctional hand stripper WS-17 EKF PROFESSIONAL is designed for cutting and stripping wires, as well as crimping cord end terminals with a single tool. It can strip conductors with the cross-section of 0,5 to 6 mm<sup>2</sup> and cut wires of up to 6,0mm<sup>2</sup>

### Features:

- Automatic adjustment to the conductor cross-section.
- Minimum stripping length of 5 mm (insulation is shifted and remains on the strand).
- Side cutter for stranded wires of up to 6,0 mm<sup>2</sup> in diameter (for solid wires up to 4 mm<sup>2</sup>).
- Two slots for crimping cord end terminals with cross-sections of 0,5-2,5 and 4,0-6,0 mm<sup>2</sup>. Trapezoid crimping profile.
- Robust tool body is made of high-strength glass-reinforced polyamide.

Cross-section, mm <sup>2</sup>	Item code
0,5-6,0	ws-17





### WS-12



**Description:**

Cable stripping knife WS-12 EKF PROFESSIONAL is designed to quickly and accurately strip PVC sheaths from 4 to 28 mm in diameter using the integrated rotating eccentric blade, which enables a circular or longitudinal cut of the cable sheath.

**Features:**

- Smooth sheath cut depth adjustment without damaging the insulation of the inner conductors.
- Plastic cap to cover the external blade.
- Replaceable internal rotating blade.

Diameter, mm	Item code
	4-28 ws-12

### WS-15



**Description:**

Cable stripping knife WS-15 EKF PROFESSIONAL is designed to quickly and accurately strip PVC sheaths from round cables 4 to 28 mm in diameter using the integrated rotating eccentric blade, for a circular or longitudinal cut of the cable sheath.

**Features:**

- Smooth sheath cut depth adjustment without damaging the insulation of the inner conductors.
- Impact-resistant glass-reinforced plastic body.
- Fully-retractable external blade.
- Replaceable internal rotating blade.

Diameter, mm	Item code
	4-28 ws-15

### WS-18



**Description:**

Cable stripping knife WS-18 EKF PROFESSIONAL is designed to quickly and accurately strip PVC sheaths from round cables 28 to 35 mm in diameter using the integrated rotating eccentric blade, for a circular cross- or longitudinal cut of the cable sheath.

**Features:**

- Smooth sheath cut dept adjustment without damaging the insulation of the inner conductors.
- Ergonomic anti-slip handle.
- Adjustment screw on the bottom of the tool enables smooth adjustment of the cutting depth to prevent damage of wire strand insulation.
- Ergonomic, glass-reinforced plastic body.

Diameter, mm	Item code
	28-35 ws-18

### WS-19



**Description:**

Cable stripping knife WS-19 EKF PROFESSIONAL for quick and precise stripping of PVC sheaths from round cables 4 to 28 mm in diameter with rotating eccentric blade by making a circular and a longitudinal cut of the cable sheath for stripping wires and cables 0,5-6,0 mm<sup>2</sup> in diameter.

**Features:**

- Compact, ergonomic and safe to use.
- Sheath cut depth adjustment for sheath stripping without damaging conductor insulation.
- Similar to the WS-15, but the retractable blade has been replaced by a wire stripper 0,5-6,0 mm<sup>2</sup> in diameter.

Diameter, mm	Item code
	4-28 ws-19

Suitable for work with live cables up to 1000V.

### WS-31



**Description:**

Insulated Cable Knife with Guide Shoe 1000V WS-31 EKF PROFESSIONAL is designed for stripping cable insulation without damaging the conductors.

**Features:**

- Complies with VDE safety requirements, rated for live work up to 1000V.
- Durable X46Cr13 stainless steel blade that holds the edge well.
- Ergonomic glass-reinforced plastic handle with soft overmolding for a more confident and secure grip. Flared guard to protect the hand from sparks and hand slippage.
- Special sharpening angle for easier cable work. Guide shoe on the knife tip prevents conductor insulation from being damaged and limits the stripping depth.
- Enables insulation stripping towards and from the operator.
- Easy removal of outer sheath of cables and wires.

Name	Item code
Insulated cable knife with guide shoe 1000V WS-31 EKF PROFESSIONAL	ws-31

### WS-32



**Description:**

Cable knife 1000 V WS-32 EKF PROFESSIONAL is designed for stripping cable insulation.

**Features:**

- Complies with VDE safety requirements, rated for live works up to 1000V.
- Durable X46Cr13 stainless steel blade that holds the edge well.
- Ergonomic glass-reinforced plastic handle with soft overmolding for a more confident and secure grip. Flared guard to protect the hand from sparks and hand slippage.
- Special sharpening angle for easier cable work.
- Insulated blade for short-circuit protection and increased blade stiffness.

Name	Item code
Cable knife 1000 V WS-32 EKF PROFESSIONAL	ws-32

## SET OF SPARE BLADES

Picture	Name	Item code
	Set of spare blades for stripper WS-11 EKF PROFESSIONAL	slws-11
	Set of spare blades for stripper WS-14 EKF PROFESSIONAL	slws-14
	Set of spare blades for stripper WS-16 EKF PROFESSIONAL	slws-16
	Set of spare blades for stripper WS-17 EKF PROFESSIONAL	slws-17

Picture	Name	Item code
	Set of spare blades for stripper WS-22 EKF PROFESSIONAL	slws-22
	Set of spare blades for stripper WS-12/18 EKF PROFESSIONAL	slws-12/18
	Set of spare blades for stripper WS-15/19 EKF PROFESSIONAL	slws-15/19



# CRIMPING PLIERS



## CRIMPING PLIERS



EKF offers a variety of crimping tools for cable terminals and sleeves. Our tools provide high quality crimping of terminals according to DIN standard, are easy to operate and feature high level of reliability.

Crimping pliers for insulated terminals and connectors



Crimping pliers for cord end terminals



Crimping pliers for non-insulated terminals



## CRIMPING METHODS:

Depending on the shape of the crimping profile, there are wedge-shaped, hexagonal, trapezoidal, and other types of crimpers.



**Wedge-shaped crimping** is widely used in mechanical crimping pliers. In addition to crimping terminals of small cross-sections (from 1,5 mm<sup>2</sup> to 10 mm<sup>2</sup> or maximum 35 mm<sup>2</sup>), wedge crimping is also helpful for installing solid wires, being a reliable alternative to soldering. The main advantage of crimping pliers is a single integrated die, capable of securely crimping associated wire cross-sections without time-consuming die replacement.



**Hexagonal crimping** is not as widely used as other crimping profiles, but it has a number of advantages. The hexagonal profile ensures uniform crimping of the terminal shank, resulting in a maximum contact area and a high degree of sealing. It enables less fracturing of the terminal shank, while preventing damage to the cable strands. With the correct die, a strong mechanical connection and a secure electrical contact are achieved.







- Automatic crimping control.
- Ratchet mechanism, with automatic unlock at the end of the crimping cycle.
- Single-action crimping.
- Rigid die and tool geometry for optimal crimping quality.
- Color-coding of die slots by the correct insulated cuff size: red, blue and yellow.
- Conductor/terminal cross-section markings on the crimper die.
- Crimping force adjustment.



### PK-01

**Description:**

Crimping pliers PK-01 (0,25-2,5 mm<sup>2</sup> RV, SV, PTV, DBV) EKF MASTER are designed for crimping insulated terminals, sleeves and connectors with red, blue and yellow cuffs.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
RV, SV, PTV, DBV, E, TE, EN	0,25-2,5	Oval	pk-01-mas



### PK-02

**Description:**

Crimping pliers PK-02 (0,5-6,0 mm<sup>2</sup> E, EN) EKF MASTER for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	0,25-6,0	Trapezoid	pk-02-mas



### PK-16

**Description:**

Crimping pliers PK-16 EKF MASTER are designed for crimping aluminium and copper cable lugs and sleeves.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
Tinned copper cable lugs	1,5-16,0	Point	pk-16-mas



### PK-35

**Description:**

Crimping pliers PK-35 EKF MASTER are designed for crimping aluminum and copper cable lugs and sleeves.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
Tinned copper cable lugs	2,5-35,0	Point	pk-35-mas

- Automatic crimping control.
- Ratchet mechanism, with automatic unlock at the end of the crimping cycle.
- Single-action crimping.
- Made of cold-rolled carbon steel, doubling the service life compared to their hot-rolled analogues.
- Proprietary surface treatment for better corrosion protection.
- Rigid die and tool geometry for optimal crimping quality.
- Extra-strong two-piece polypropylene handles.
- Color-coding of die slots by the correct insulated cuff size: red, blue and yellow.
- Conductor/terminal cross-section markings on the crimper die.
- Crimping force adjustment.



### PK-01

**Description:**

Crimping pliers PK-01 (0,5-6,0 mm<sup>2</sup> E, TE, EN) EKF EXPERT are designed for crimping insulated terminals, sleeves and connectors with red, blue and yellow cuffs.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
RV, SV, PTV, DBV, E, TE, EN	0,5-6,0	Oval	pk-01-exp



### PK-02

**Description:**

Crimping pliers PK-02 (0,25-6,0 mm<sup>2</sup> E, EN) EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	0,25-6,0	Trapezoid	pk-02-exp



### PK-03

**Description:**

Crimping pliers PK-03 (4,0-16,0 mm<sup>2</sup> E, EN) EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	4,0-16,0	Trapezoid	pk-03-exp



### PK-04

**Description:**

Crimping pliers PK-04 (0,5-6,0 mm<sup>2</sup> NK RP-M RP-P) EKF EXPERT are designed for crimping non-insulated double-blade automotive terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
DJ, RP-M, RP-P	0,5-6,0	Automotive	pk-04-exp



### PK-05

**Description:**

Crimping pliers PK-05 (0,5-10,0 mm<sup>2</sup>) EKF EXPERT for crimping non-insulated copper cable lugs and sleeves.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
Tinned copper cable lugs	0,5-10,0	Point	pk-05-exp



### PK-06

**Description:**

Crimping pliers PK-06 (2x0,5x2x6,0 mm<sup>2</sup> TE) EKF EXPERT for crimping double insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
TE	2x0,5-2x6,0	Trapezoid	pk-06-exp



- Four- or six- sided die automatically adjusts to the correct size to ensure fast and reliable crimping.
- Pivoting cams crimping action
- Ratchet mechanism for a reliable crimp.
- Comfortable two-piece handles for a secure grip and decreased hand fatigue; standard-compliant shoulders prevent the hand from slipping into the working area.
- One universal die for all terminal sizes.
- The tool covers 15 sizes of cord end terminals.
- Proprietary surface treatment for better corrosion protection.
- Can be unlocked at any stage of the crimping.



**SET OF INSULATED CORD END TERMINALS E  
WITH TOOL PKV-6-4**

**Description:**  
Set of insulated cord end terminals E [0,5-6,0 mm<sup>2</sup>] with crimping pliers PKV-6-4 EXPERT for crimping of insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E	0,5-6,0	Square	nabor-nshvi-6



**PKV-6-4**

**Description:**  
Crimping pliers PKV-6-4 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, TE, EN	0,5-6,0	Square	pkv-6-4-exp



**PKV-6-6**

**Description:**  
Crimping pliers PKV-6-6 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, TE, EN	0,25-6,0	Hexagon	pkv-6-6-exp



**PKV-16-4**

**Description:**  
Crimping pliers PKV-16-4 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	4,0-16,0	Square	pkv-16-4-exp



**PKVT-16-4**

**Description:**  
Crimping pliers PKVT-16-4 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	0,25-16,0	Square	pkvt-16-4-exp
TE	2x0,5-2x10,0		



**PKVY-16-6**

**Description:**  
Crimping pliers PKVY-16-6 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	0,25-16,0	Hexagon	pkvy-16-6-exp
TE	2x0,5-2x6,0		



**PKV-70**

**Description:**  
Crimping pliers PKV-70 EKF EXPERT for crimping insulated and non-insulated cord end terminals.

Terminal type	Cross-section, mm <sup>2</sup>	Crimping profile	Item code
E, EN	25,0-70,0	Trapezoid with two points	pkv-70-exp



## MECHANICAL CRIMPING TOOL EXPERT

- Reliable and easy to use.
- Zero-play rotating die design for quick die change and quality crimping.
- Single-step crimping action.
- Quick and easy crimping.

### CRIMPING TOOLS



### PK-50

#### Description:

Mechanical crimping tool PK-50 EKF EXPERT is designed for manual crimping aluminum and copper cable lugs and sleeves with the cross-section of 6-50 mm<sup>2</sup> using integrated rotating dies.

#### Features:

- Quick release die lock mechanism for rapid die set selection.

Crimping range, mm <sup>2</sup>	Crimping profile	Weight, kg	Delivery scope	Item code
6, 10, 16, 25, 35, 50	Hexagonal	1,4	Mechanical crimping tool PK-50 cardboard box.	pk-50-exp



### PK-120

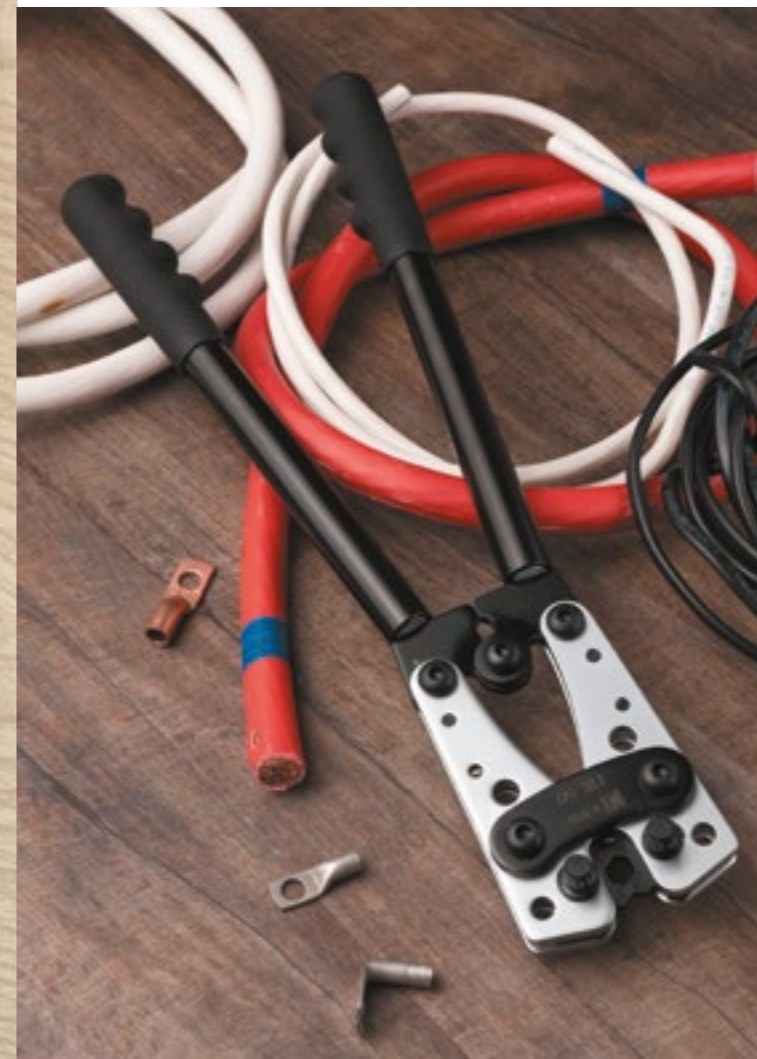
#### Description:

Mechanical crimping tool PK-120 EKF EXPERT is designed for manual crimping aluminum and copper cable lugs and sleeves with the cross-section of 10-120 mm<sup>2</sup> using integrated rotating dies.

#### Features:

- Quick release die lock mechanism for rapid die set selection.

Crimping range, mm <sup>2</sup>	Crimping profile	Weight, kg	Delivery scope	Item code
10, 16, 25, 35, 50, 70, 95, 120	Hexagonal	3,8	Mechanical crimping tool PK-120 cardboard box.	pk-120-exp





- 40 µm oil filter for reliable impurities filtering.
- Minimum roughness of the hydraulic cylinder is 40 µm, corresponding to N9 surface finish class.
- Pressure-limiting valve seats and needles are both electropolished and diamond-lapped to ensure tight seal and smooth actuation.
- The hydraulic unit is flushed with pressurised oil before assembly to remove machining swarf and impurities.
- Fast cylinder operation - 3 to 4 strokes to bring the piston rod to the lug and start crimping.
- All-weather hydraulic oil and gaskets ensure reliable tool operation in a wide range of temperatures.
- The open working area facilitates easy lug and cable insertion and visual control over crimping.
- The locking pin is conveniently retained when replacing the crimping dies.
- 360° rotating working head.



### PGR-70

#### Description:

Hydraulic crimping tool PGR-70 EKF MASTER is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 4 to 70 mm<sup>2</sup>.

#### Features:

- The compact and lightweight crimping tool ensures reliable crimping of lugs with the cross-section of up to 70 mm<sup>2</sup>.
- The C-shaped open design makes opening and closing of the working part unnecessary, which makes installation easier and quicker.
- The easy locking of the dies speeds up the work and improves the quality of the crimping process.
- Unlock the tool from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- Double pump rate.
- 180° rotating working head.
- Plastic case. All-weather hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
4, 6, 8, 10, 16, 25, 35, 50, 70. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	4,5	1,7/2,7	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgr-70



### PGR-120

#### Description:

Hydraulic crimping tool PGR-120 EKF MASTER is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 10 to 120 mm<sup>2</sup>.

#### Features:

- Compact and lightweight model.
- The dies are locked in two planes.
- Unlock the tool from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- High-speed oil pumping system to speed up the crimping process.
- Double pump rate.
- 180° rotating working head.
- Plastic case. All-weather special hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
10, 16, 25, 35, 50, 70, 95, 120. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	6	2,7/4,3	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgr-120



### PGR-300

#### Description:

Hydraulic crimping tool PGR-300 EKF MASTER is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 10 to 300 mm<sup>2</sup>.

#### Features:

- This reliable and affordable model enables you to crimp cable lugs in the majority of the most popular sizes.
- Unlock from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- The locking pin is securely retained in place when replacing dies.
- The dies are locked in two planes.
- High-speed oil pumping system to speed up the crimping process.
- Double pump rate.
- 180° rotating working head.
- Plastic case. All-weather special hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	7	3,6/6,2	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgr-300



### PGRs-70

#### Description:

Hydraulic crimping tool PGRs-70 EKF EXPERT is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 4 to 70 mm<sup>2</sup>. This model has a pressure-limiting valve to prevent over-pressurization of the system and extend tool life.

#### Features:

- The compact and lightweight crimping tool ensures reliable crimping of lugs with the cross-section of up to 70 mm<sup>2</sup>.
- The C-shaped open design makes opening and closing of the working part unnecessary, which makes installation easier and quicker.
- The easy locking of the dies speeds up the work and improves the quality of the crimping process. Unlocking from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- The pressure-limiting valve ensures consistent actuation and provides reliable protection against over-pressurizing of the system.
- Double pump rate.
- 180° rotating working head.
- Plastic case. All-weather hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
4, 6, 8, 10, 16, 25, 35, 50, 70. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	4,5	1,8/2,8	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgrs-70



### PGRs-120

#### Description:

Hydraulic crimping tool PGRs-120 EKF EXPERT is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 10 to 120 mm<sup>2</sup>. The model has a pressure limiting valve to prevent over-pressurisation of the system and extend tool life.

#### Features:

- Compact and lightweight model.
- The dies are locked in two planes.
- Unlock from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- High-speed oil pumping system to speed up the crimping process.
- The pressure-limiting valve ensures consistent actuation and provides reliable protection against over-pressurizing of the system.
- 180° rotating working head.
- Plastic case. All-weather hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
10, 16, 25, 35, 50, 70, 95, 120. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	6	2,9/4,5	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgrs-120



### PGRs-300

#### Description:

Hydraulic crimping tool PGRs-300 EKF EXPERT is designed for crimping aluminium and copper cable lugs and sleeves with the cross-section from 10 to 300 mm<sup>2</sup>. The model has a pressure limiting valve to prevent over-pressurization of the system and extend tool life.

#### Features:

- Unlock from any position.
- The working head is made by die forging.
- The hydraulic unit is made of forged steel on high-precision CNC machines.
- The locking pin is securely retained when replacing dies.
- The dies are locked in two planes.
- High-speed oil pumping system to speed up the crimping process.
- The pressure-limiting valve ensures consistent actuation and provides reliable protection against over-pressurizing of the system.
- Double pump rate.
- 180° rotating working head.
- Plastic case. All-weather hydraulic oil.

Cross-section, mm <sup>2</sup>	Crimping profile	Crimping force, t	Weight of tool/package, kg	Delivery scope	Item code
10, 16, 25, 35, 50, 70, 95, 120, 150, 185, 240, 300. The dies have been improved for quality crimping of thin-walled JG lugs	Hexagon	7	4,0/6,5	Plastic case, set of dies, hydraulic crimping tool, technical manual, repair kit	pgrs-300



ABC installation tools and accessories, designed for quality installation of aerial bundled cable (ABC) on supports or building exteriors, for tightening and cutting steel strap and cable ties, separation of conductors from the bundle and prevention of cable twisting.

# ABC TOOLS AND ACCESSORIES

Picture	Name	Description	Features	Item code
	<b>Come-along grip CT105.20 (3-22mm) EKF</b>	Used to install overhead line wires, the lever device converts the pulling force into a gripping force.	<ul style="list-style-type: none"> <li>Cable diameter: 4-22 mm</li> <li>Maximum load is 2 tonnes.</li> <li>No insulation damage.</li> </ul>	ct-105.20
	<b>Swivel CT134 EKF</b>	Used to prevent the ABC wire bundle from unravelling when pulling. The swivel is mounted between the pulling grip and the leader wire rope.	<ul style="list-style-type: none"> <li>Compact dimensions and cylindrical shape prevent the bundle of ABC wires from unraveling.</li> <li>Working load - 30 kN</li> <li>The maximum diameter of the lead steel wire rope is 16 mm.</li> </ul>	ct-134
	<b>Steel band tensioning and cutting tool INRSL-01 EKF</b>	Steel band tensioning and cutting tool INRSL-01 is designed for tightening stainless steel band up to 20 mm in width and 1 mm in thickness.	<ul style="list-style-type: none"> <li>The band is used for the installation of overhead line assemblies as well as the packaging of various supplies and goods (stacks of boards, pallets of bricks etc.), installation of road signs, signboards, stretchers, etc.</li> <li>Automatic clamping device enables the use of different band thickness.</li> <li>The high quality materials used in the construction of the tool guarantee long, trouble-free operation with minimal maintenance.</li> </ul>	ct-42.01
	<b>Steel band tensioning and cutting tool with ratchet mechanism INRSL-02 EKF</b>	Steel band tensioning and cutting tool with ratchet mechanism INRSL-02 is designed for tightening and cutting steel band up to 20 mm in width and 1 mm in thickness.	<ul style="list-style-type: none"> <li>Designed for tensioning the steel band when installing hooks, brackets and assemblies on metal, wooden or reinforced concrete supports.</li> <li>Built-in cutter to cut off the excess end of the band.</li> <li>Ratchet mechanism to speed up the band tightening process.</li> <li>The working part is made of hardened steel.</li> </ul>	ct-42.02
	<b>Left cutting offset snips CT-47 EKF</b>	Left cutting offset snips are designed for cutting steel band with a width of up to 20 mm and thickness of up to 1 mm.	<ul style="list-style-type: none"> <li>Compact and lightweight left cutting offset snips are designed for cutting all types of stainless steel band up to 20 mm wide and 1,5 mm thick.</li> <li>Return spring for easy cutting with one hand.</li> <li>Blade and handle design reduces cutting forces and increases productivity.</li> <li>Bolted blade connection enables re-sharpening and blade re-alignment</li> <li>Backstop to protect against kickback.</li> </ul>	ct-47
	<b>Stringing pulley RM50 EKF</b>	Stringing pulley is used to mount ABC wires in straight sections and at small angles of deviation up to 30°, and is installed on intermediate supports using integrated hooks.	<ul style="list-style-type: none"> <li>Glass-reinforced polyamide wheel with excellent thermal, mechanical and electrical insulation properties.</li> <li>The pulley frame is made of galvanised steel.</li> </ul>	m-50
	<b>Hand operated winch with block ST-116 (1500 kg) EKF</b>	Used for tensioning ABC wires and fibre optic cables, the winch is designed to manually pull or transfer wire from the pulleys to anchoring or support clamps.	<ul style="list-style-type: none"> <li>Diameter of steel wire rope: 6 mm.</li> <li>The maximum load with block (1,6 m) is 1500 kg.</li> <li>The maximum load without block (3 m) is 750 kg.</li> </ul>	st-116
	<b>Splitting wedges ST31 EKF</b>	Splitting wedges ST31 EKF are used to separate a phase conductor from the ABC bundle during installation of the terminals.	<ul style="list-style-type: none"> <li>Made of high-strength dielectric polymer.</li> <li>Comfortable textured wedge handles prevent slipping when working.</li> <li>No damage to ABC wire insulation.</li> <li>Mechanical deformation limit of 80 kg.</li> </ul>	st-31
	<b>Cable tie gun and tensioning and cutting tool TTC210 EKF</b>	Cable tie gun and tensioning and cutting tool TTC210 EKF is designed for tensioning and cutting non-releasable cable ties of 2,4-9,0 mm in width.	<ul style="list-style-type: none"> <li>Significantly reduces installation time.</li> <li>Ensures the required tensioning force and a good workmanship.</li> </ul>	ttc-210





**PERSONAL  
PROTECTIVE  
EQUIPMENT**

## SAFETY WORK GLOVES



EKF offers a wide range of protective gloves to prevent chemical, thermal and mechanical damage to the hands. Recommended for construction, assembly and repair crews, for industrial and domestic applications.

### MASTER



#### PVC Dotted Hand Safety Work Gloves, Knitted Cotton

Knitted cotton gloves made of blended yarn. The seamless knit technology makes them very comfortable to work in. Dotted PVC pattern provides high abrasion resistance and excellent palm protection.

Knit grade	Base composition	Coating composition	Type of coating	PVC coating type	Item code size 9	Item code size 10
10	60% cotton, 40% polyester	100% PVC	½ (palm and fingertips)	«Dot»	pe10ct-9-mas	pe10ct-10-mas



#### Safety Work Gloves Knitted Cotton with Latex Coating

Universal safety gloves made of natural cotton with single natural latex coating. The bestseller on the market of supported gloves. The latex coating prevents the ingress of moisture and dirt and ensures high abrasion resistance. A more efficient and durable alternative to classic PVC-coated cotton gloves.

Knit grade	Base composition	Coating composition	Type of coating	Latex coating type	Item code size 9	Item code size 10
13	60% cotton, 40% polyester	100% natural latex	½ (palm and fingertips)	Wrinkled, single coated	pe13lt-9-mas	pe13lt-10-mas

### EXPERT



#### PVC Double Dotted Hand Safety Work Gloves

Classic knitted cotton gloves made of blended yarn. The model features a knitted fabric grade 10 and a manual overlock that prevents the edge of the glove from unraveling. Tight and comfortable. Dotted PVC pattern provides a good grip and maintains hand sensitivity. Designed for light mechanical loads.

Knit grade	Base composition	Coating composition	Type of coating	PVC coating type	Item code size 9	Item code size 10
10	85% cotton 15% polyester	100% PVC	½ (palm and fingertips)	«Dot»	pe13lt-9-mas	pe13lt-10-mas



#### PROFI Safety Work Wrinkled Latex Palm Coating Gloves with Nylon Liner

All-purpose polyester-based wrinkled latex palm coating gloves with nylon liner, knit grade: 15. Wrinkled latex palm coating provides a good grip on slippery surfaces, ensuring a secure grip. The smart choice when working with glass, sharp, or cutting materials.

Knit grade	Base composition	Coating composition	Type of coating	Latex coating type	Item code size 9	Item code size 10
15	100% polyester	100% natural latex	½ (palm and fingertips)	Wrinkled, single coated	pe15nl-proxima	pe15nl-10-proxima

### PROFESSIONAL



#### WINTER PVC dotted thermal work gloves

All-purpose gloves for low-temperature applications. Fluffy and fleece-lined inside, keeping you warm and providing maximum comfort. The PVC dotted pattern provides excellent hand feel and a high level of grip. Designed for medium mechanical loads.

Knit grade	Base composition	Coating composition	Type of coating	PVC coating type	Item code size 9	Item code size 10
7	100% acryl	100% PVC	½ (palm and fingertips)	«Dot»	pe7ac-9-pro	pe7ac-10-pro



#### PROFI WINTER wrinkled latex coated thermal work gloves

All-purpose gloves for low-temperature applications. Fluffy and fleece-lined inside, keeping you warm and providing maximum comfort. Wrinkled latex palm coating provides a good grip on slippery surfaces, ensuring a secure grip. The smart choice when working with glass, sharp or cutting materials. Reinforced thumb protection with full latex coating. Designed for work with high mechanical loads.

Knit grade	Base composition	Coating composition	Type of coating	Latex coating type	Item code size 9	Item code size 10
10	100% acryl	100% natural latex	½ (palm and fingertips)	Wrinkled, single coated	pe10lt-9-pro	pe10lt-10-pro



EKF offers convenient, practical and durable storage and carrying solutions for your tools. Modern design and convenient layout to improve the quality of life. The bags are manufactured using modern materials and technology to ensure long service life and convenience.

**BAGS  
BACKPACKS  
BELTS**

**BAG C-01**



**Description:**  
All-purpose electrician tool bag, rigid bottom C-01 EKF PROFESSIONAL is designed for tool storage and carrying.

- Features:**
- 100% Durable Oxford Polyester 1680D.
  - The highest quality material used for the manufacture of Special Forces equipment.
  - Universal strap with soft non-slip padded shoulder pads prevents the strap from slipping off the shoulder when being carried.
  - Load bearing parts (handles) have additional stitching for extra carrying capacity.
  - Reinforced zipper with durable links.
  - External pockets for safe carrying of multimeters and digital clamp meters.
  - Roomy and convenient interior for every type of tool.
  - Rigid oil- and water-resistant bottom.

Name	Item code
All-purpose electrician tool bag C-03 EKF PROFESSIONAL	C-01

**BAG C-03**



**Description:**  
All-purpose electrician tool bag C-03 EKF PROFESSIONAL is designed for tool storage and carrying.

- Features:**
- 100% Durable Oxford Polyester 1680D.
  - Soft anatomical inserts on the back and shoulder straps for comfort.
  - Rubber bottom to protect the backpack from oil and moisture.
  - Two carrying handles - comfortable carry without hitting the legs.
  - Light-reflecting strips on the outside of the backpack for additional safety.
  - Separate pocket for multimeter.
  - Reinforced zipper with durable links.
  - Extra stitching of load-bearing parts.
  - Roomy interior with internal pockets for secure tool carry.
  - Reinforced carrying handle capable of supporting heavy tool weight with Velcro fastener to reduce hand pressure (up to 20 kg).

Name	Item code
All-purpose electrician tool bag, rigid bottom C-01 EKF PROFESSIONAL	C-03





### BACKPACK C-07

**Description:**

Heavy-duty tool backpack C-07 EKF PROFESSIONAL is designed to store and carry tools.

**Features:**

- 100% Durable Oxford Polyester 1680D.
- Soft anatomical inserts on the back and shoulder straps for comfort.
- Rubber bottom to protect the backpack from oil and moisture.
- Two carrying handles for comfortable carry without hitting the legs.
- Light-reflecting elements on the outside of the backpack for additional safety.
- Separate pocket for multimeter.
- Reinforced zipper with durable links.
- Extra stitching of load-bearing parts.
- Roomy interior with internal pockets for secure tool carry.
- Reinforced carrying handle, capable of supporting heavy tool weight, with Velcro fastener to reduce pressure on the hand (up to 20 kg).



Name	Item code
Heavy-duty tool backpack C-07 EKF PROFESSIONAL	C-07

### BACKPACK C-08

**Description:**

Backpack with reflective strips for service technician C-08 EKF PROFESSIONAL is designed to carry and store tools, documents, laptop.

**Features:**

- Dedicated compartment for a laptop, measuring devices or a change of clothes.
- Reinforced zipper with durable links.
- Extra stitching of load-bearing parts.
- Universal strap with soft non-slip padded shoulder pads prevents the strap from slipping off the shoulder when being carried.
- Roomy interior with internal pockets for secure tool carry.
- Large outer pocket with a flap to store technical documents and business papers.



Name	Item code
Backpack with reflective strips for service technician C-08 EKF PROFESSIONAL	C-08

### TOOL ORGANIZER C-10

**Description:**

Tool Organizer C-10 EKF PROFESSIONAL is an additional organizer to store frequently used tools.

**Features:**

- Increases the capacity of the tool bag.
- Neatly organizes most commonly used tools, keeping them within hand's reach.
- 100% Durable Oxford Polyester 1680D.
- Pockets for screwdrivers and pliers.
- Additional stitching in the load-bearing areas.
- 31x42 cm size compatible with C-07 and C-08 backpacks, C-01 bag and C-02 briefcase.



Name	Item code
Tool Organizer C-10 EKF PROFESSIONAL	C-10

### BRIEFCASE C-02

**Description:**

Briefcase for service engineer C-02 EKF PROFESSIONAL is designed to carry and store tools, documents, laptop.

**Features:**

- Dedicated compartment for a laptop, measuring devices or a change of clothes.
- Reinforced zipper with durable links.
- Extra stitching of load-bearing parts.
- Universal strap with soft non-slip padded shoulder pads prevents the strap from slipping off the shoulder when being carried.
- Larger interior space with pockets for tools.
- Large outer pocket with a flap to store technical documents and business papers.



Name	Item code
Briefcase for service engineer C-02 EKF PROFESSIONAL	C-02

### TOOL BAG C-14

**Description:**

Tool bag, cover, belt C-14 EKF PROFESSIONAL is used for installation and routine maintenance work.

**Features:**

- Hard-wearing EVA pouches that hold their shape well. Perfect for tools and hardware.
- Deep pockets, positioned at different levels, increase the installer's mobility.
- Universal strap with soft non-slip padded shoulder pads prevents the strap from slipping off the shoulder when being carried.
- The strap can also be used as a belt, extending the capabilities of the bag.
- A smart interior layout - all the tools are at your fingertips.
- Cover to prevent the tools from falling out.
- Option to carry it with a belt C-15 and C-12.
- Carrying handle.



Name	Item code
Tool bag, cover, belt C-14 EKF PROFESSIONAL	C-14

### TOOL BAG C-06

**Description:**

Tool bag with foldable chair C-06 EKF PROFESSIONAL is used for storing and carrying tools and for comfortable mounting of wiring accessories.

**Features:**

- 100% Durable Oxford Polyester 1680D.
- Reinforced steel frame for safety.
- The detachable bag can be used independently.
- Universal strap with soft non-slip padded shoulder pads prevents the strap from slipping off the shoulder when being carried.
- Particularly suitable for mounting sockets, parapet channels.



Name	Item code
Tool bag with foldable chair C-06 EKF PROFESSIONAL	C-06







### MULTI-POCKET TOOL BELT C-12



**Description:**

Tool belt with multiple pockets C-12 EKF PROFESSIONAL is used for construction and installation work.

**Features:**

- Durable wide belt with Velcro fastening and padding to reduce pressure on the lumbar area.
- Hard-wearing EVA pouches that hold their shape well. Perfect for tools and hardware.
- Hammer hanger, tape measure hanger.
- Reinforced eyelets for suspenders.
- The pockets are positioned at different levels for ease of use.
- Durable metal-reinforced double grommet belt.
- Deep pouches to prevent tools from falling out when working.
- Extra stitching in load-carrying areas.

Name	Item code
Multi-pockets tool belt C-12 EKF PROFESSIONAL	C-12

### TOOL BELT WITH SUSPENDERS C-15



**Description:**

Tool belt with suspenders and three pouches C-15 EKF PROFESSIONAL is used for construction and installation work.

**Features:**

- 100% Durable Oxford Polyester 1680D.
- Hard-wearing EVA pouches that hold their shape well. Perfect for tools and hardware.
- Three-point harness for better weight spreading and reduced fatigue.
- Bit driver holster with dedicated core bit holder.
- Wide belt with Velcro fastening and padded inserts to reduce pressure on the lumbar area.
- Durable metal-reinforced double grommet belt with metal eyelets.
- Compatible with C-12 tool belt accessories.
- Additional stitching in load-carrying areas.

Name	Item code
Tool belt with suspenders, three pouches C-15 EKF PROFESSIONAL	C-15

### SAFETY VEST C-22



**Description:**

Adjustable safety vest with reflective strips C-22 EKF PROFESSIONAL for construction and installation work.

**Features:**

- 100% Durable Oxford Polyester 1680D.
- Hard-wearing EVA pockets that hold their shape well. Perfect for tools and hardware.
- Breathable denim back panel facilitates natural cooling in hot work environments.
- Deep pockets, positioned at different levels, increase the installer's mobility.
- Integrated vest carry and safety loop.
- Customizable waist and height adjustments. Can be worn over warm clothing.
- Extra stitching in load-carrying areas.
- Integrated reflective strip.
- Tape measure hanger. Insulation tape hanger. Wire bundle hanger.
- Transparent badge pocket.

Name	Item code
Safety vest with reflective strips C-22 EKF PROFESSIONAL	C-22





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