

# KLAUKE ORANGE LINE THE TOOL RANGE FOR MAXIMUM SAFETY



INTEGRATED VOLTAGE PROTECTION UP TO 1000 V



**VDE TESTED AND  
CERTIFIED UP TO 1000 V  
IN ACCORDANCE TO  
THE ELECTRICAL  
REQUIREMENTS  
OF IEC 60900**

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**APPLIED VOLTAGE  
AT THE TOOL HEAD  
DOES NOT DISRUPT TO  
TOOL BODY**

**INTEGRATED SLIP-OFF  
PROTECTION PREVENTS  
UNINTENTIONAL  
CONTACT WITH LIVE  
PARTS**

**HOUSING IN  
SIGNAL ORANGE  
FOR SIMPLE  
DIFFERENTIATION FROM  
STANDARD TOOLS**

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## GLOBALLY UNIQUE

Our Orange Line series of battery powered hydraulic cutting and crimping tools are the world's first tools of their kind offering protection from electric shocks up to 1000 V. The insulation barrier, which was developed in-house, prevents voltage discharging between tool head and tool body. Every single tool is tested for compliance with the high requirements of IEC 60900 in our production process. This guarantees voltage protection up to 1000 V.



VDE tested and certified to 1000 V in accordance to the electrical requirements of IEC 60900 and fully certified to IEC 62841-1

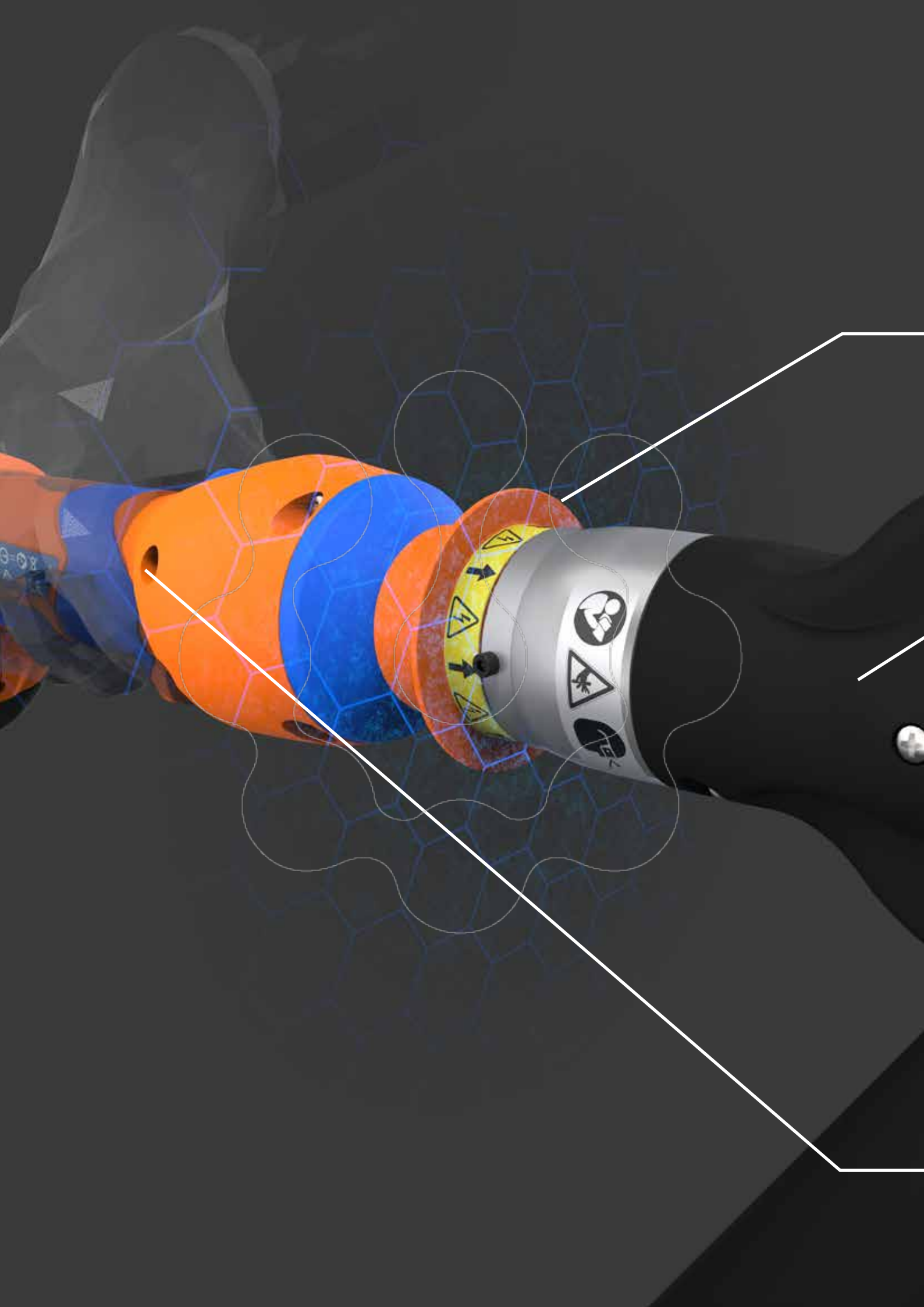
## MUCH SAFER OPERATIONS

Working on live parts in low-voltage areas up to 1000V is often a part of every day work in certain sectors. Until now, such tasks have required the use of insulated hand tools. Our new Orange Line series offers now for the first time battery-powered cutting and crimping tools which significantly increase user safety.

In addition, our insulated tools are much safer to use in all applications involving potentially live parts. Working on supposedly de-energized parts always carried a residual risk in the past, but electrical accidents in the low voltage area up to 1000V can now be actively prevented.



Accidental touching of live parts is prevented by standard-conforming slip-off protection





## STANDARD-CONFORMING SLIP-OFF PROTECTION FOR SAFE WORKING

AREA OF OPERATION

VOLTAGE-FREE AREA

## SAFE AND CONVENIENT

Electrical system cannot be de-energized or disconnected in many cases, so working on live cables cannot be avoided. Our Oranges Line of battery powered crimping and cutting tools increase operating comfort and safety significantly in these cases. They are suitable for all applications in the low-voltage area up to 1000 V: from the installation of cable joints and working on overhead transmission lines to mounting and repairing street lighting or meter systems.

## TRIED AND PROVEN FUNCTIONS AVAILABLE



The tried and proven functions of our Next Generation remain in place. Hence you can see all information at a glance, thanks to the integrated display. Orange Line tools also have a continuously rotating tool head.

# ORANGE LINE TOOLS AT A GLANCE

Insulated and VDE certified up to 1000 V for increased safety when working on potentially voltage-carrying parts

## EKM 60 ID ISM

VDE battery powered hydraulic crimping tool 10 - 240 mm<sup>2</sup>

- Extra large crimping area due to innovative 2-stage telescopic cylinder
- Indent crimping - no changing of dies required



## EKM 60/22 ISM

VDE battery powered hydraulic crimping tool 6 - 300 mm<sup>2</sup>

- Large crimping range up to 300 mm<sup>2</sup>
- Interchangeable dies



## ESM 50 ISM

VDE battery powered hydraulic cutting tool 50 mm dia. for copper and aluminium cable

- High cutting force for cutting copper and aluminium cables (fine-wired also)
- Saves time with multiple cuts thanks to innovative opening mechanism



## ESM 35 ISM

VDE battery powered hydraulic cutting tool 35 mm dia. for copper and aluminium cable

- High cutting force for cutting copper and aluminium cables (fine-wired also)



## ES 32 ISM

VDE battery powered hydraulic cutting tool 32 mm dia.

- Slim cutting head - ideal when space is critical



## ESM 25 ISM

VDE battery powered hydraulic cutting tool 25 mm dia.

- For cutting Al/St cables (ACSR), round materials (Cu, Al, St) as well as armoured cables, solid structural steel and stay wires
- Easy to replace cutting blade for interruption free working



## ES 20 ISM

VDE battery powered hydraulic cutting tool 20 mm dia.

- For cutting Al/St conductors (ACSR) to DIN EN 50182, solid Al/Cu cables to DIN EN 60228, Class 1 and laminated copper bus bars
- Extremely robust design and lightweight



## OTHER SAFETY TOOLS FROM THE KLAUKE PORTFOLIO

### ESSG

**Battery powered hydraulic safety cutter to max. 105 mm dia.**

- Safety cutter for cutting live Cu/Al cables which may carry voltage in case of a failure
- Single-phase cables can be safely cut under voltage up to 110 kV
- Multi-phase cables can be safely cut under voltage up to 60 kV
- Safe and fast operations by using a 10 m long safety hydraulic hose



**NOW AVAILABLE  
AS NEXT GENERATION**

### ASSG

**Battery powered hydraulic safety cutter to max. 120 mm dia.**

- DGUV-approved safety cutter for cutting live Cu/Al cables in case of failure
- Single-phase cables can be safely cut under voltage up to 110 kV
- Multi-phase cables can be safely cut under voltage up to 60 kV
- Very large opening width to 120 mm
- Safe and fast operations by using remote control and 10 m long safety hydraulic hose





[www.klauke.com/orange](http://www.klauke.com/orange)