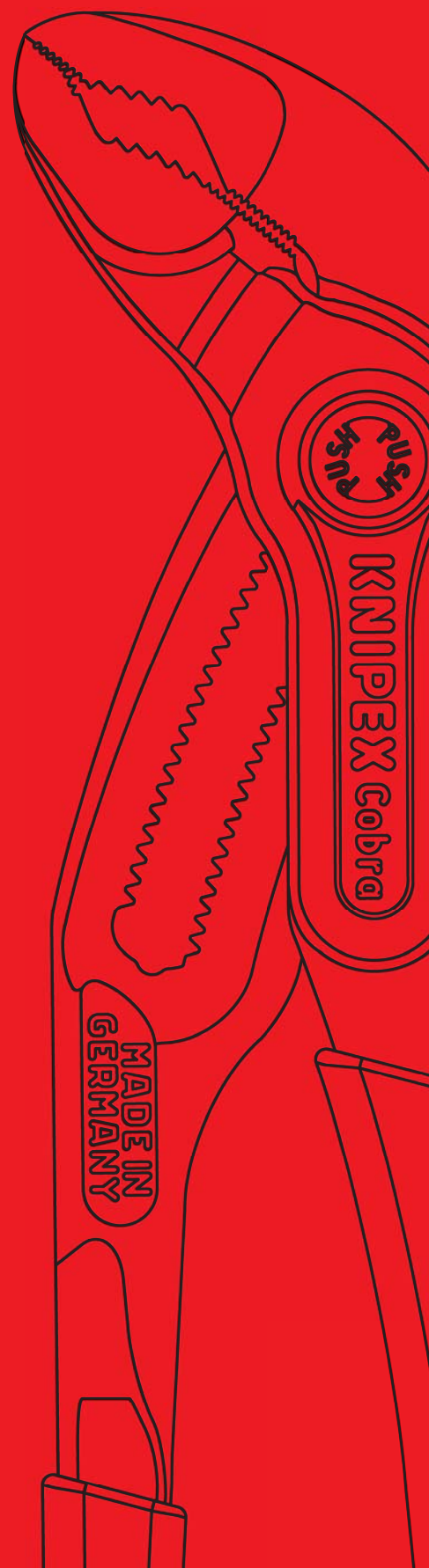


GENERAL CATALOGUE



# Pliers

MADE IN GERMANY SINCE 1882



## Insulated Tools



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Testing dielectric strength, subjecting each pair of pliers to a load of 10,000 V AC.

## Insulated tools are a matter of trust

Professionals trust their tools. This trust is vital when working on electrical installations. In this case, the electrician holding the pliers is also holding his life in his hands. Our insulated tools therefore not only meet statutory requirements, but also offer the greatest possible safety, reliability and performance.







Testing the adhesion of the insulating coating at 500 N.



Pressure test at 70°C.



Low temperature impact test at -25°C.



Testing the electrical insulating properties.

### Regulated by standards

Only trained professionals are allowed to work on live installations. Such work is subject to strict occupational health and safety standards such as the German DIN VDE 0105 and the international EN 50110 and IEC 60364. In each case they must deploy special tools that have been specifically manufactured and tested for this work. Which requirements have to be met by tools used in live work is determined by DIN EN / IEC 60900. KNIPEX tools which bear the special mark **⚡ 1000V** are approved for work up to 1000 V AC.

### Guaranteed individually checked

Every insulated tool undergoes, one by one, a dielectric strength at 10,000 V AC before we sell it. This means that work in the area up to 1,000 V AC has a safety buffer of ten times the permitted maximum limit. Other procedures check the reliability of the insulation towards heat, cold, tensile and impact force. In addition to the KNIPEX quality assurance team, external institutes and test centres such as the VDE guarantee that all VDE criteria have been satisfied. We go through this effort to safeguard the user. He trusts his well-being with our pliers, day in and day out. In return we want to give him the best possible safety at all times. We stand by this responsibility with our name on the insulation of KNIPEX tools.

### Strong beneath the insulation

The insulation provides safety when handling electrical installations, but it does not cut, grip or crimp. The mechanical properties of the basic tool, such as cutting performance, precision and stability, therefore style part of the overall quality of insulated tools.

With our insulated pliers, users can depend on the quality and durability of products from KNIPEX production. For assembly tools insulated by us, we use basic tools from tried and tested suppliers whose quality we subject to regular, stringent checks. The expert can rely on this double dependability of tool and insulation.

Always comply with the currently valid regulations and observe the SAFETY INSTRUCTIONS given below:

- > Insulated tools must be transported in a manner that will prevent any damage to the insulation.
- > Check before every use whether the insulation is damaged in any way, defective tools must be discarded.
- > Always keep your insulated tools clean and dry.
- > Wear protective goggles when working with cutting nippers or working overhead.
- > Always wear goggles or a facial mask when working on live equipment.

- > Make sure the workplace is clean and orderly, particularly when you are working on live installations.
- > Wear protective clothing and use SAFETY equipment (e.g. insulating gloves, insulating mats, protective covers) especially in confined working spaces.
- > Use only a tool with suitable dimensions. That will prevent slipping on the workpiece and unintentional contact with non-insulated parts.
- > Make sure that detached parts or cut-off ends of conductors do not fall onto live parts.

## Combination Pliers

Chrome plated Vanadium

DIN ISO 5746 IEC 60900 DIN EN 60900

01

- > for heaviest duty
- > with gripping zones for flat and round material, suitable for versatile use
- > with cutting edges for soft, hard and piano wire long cutting edges for thicker cables
- > cutting edges additionally induction hardened, cutting edge hardness approx. 64 HRC
- > particularly wear resistant gripping jaws; hardness of the gripping jaws approx. 53 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened



01 06 190

| Article No. | EAN 4003773- | ↔ mm |  | Pliers        | Handles  | Cutting capacities |      |      |                 |     |
|-------------|--------------|------|--|---------------|--|--------------------|------|------|-----------------|-----|
|             |              |      |  |               |  | Ø mm               | Ø mm | Ø mm | mm <sup>2</sup> | g   |
| 01 06 160   | 040729       | 160  |  | chrome plated | insulated with multi-component grips, VDE-tested | 2.0                | 1.5  | 10.0 | 16              | 201 |
| 01 06 190   | 040415       | 190  |  |               |  | 2.5                | 2.0  | 13.0 | 25              | 320 |

## High Leverage Combination Pliers

DIN ISO 5746 IEC 60900 DIN EN 60900

02

- > 35% less effort required than with conventional combination pliers easier work due to optimised leverage
- > with cutting edges (hardness approx. 63 HRC) for soft and hard wire and piano wire
- > long cutting edges for thicker cables
- > with gripping zones for flat and round material, suitable for versatile use
- > High-grade special tool steel, forged, multi stage oil-hardened



02 06 180



02 07 225

| Article No. | EAN 4003773- | ↔ mm |  | Pliers        | Handles  | Cutting capacities |      |      |                 |     |
|-------------|--------------|------|--|---------------|--|--------------------|------|------|-----------------|-----|
|             |              |      |  |               |  | Ø mm               | Ø mm | Ø mm | mm <sup>2</sup> | g   |
| 02 06 180   | 010012       | 180  |  | chrome plated | insulated with multi-component grips, VDE-tested | 2.5                | 2.0  | 11.5 | 16              | 247 |
| 02 06 200   | 010029       | 200  |  |               |  | 2.8                | 2.2  | 13.0 | 25              | 343 |
| 02 06 225   | 010036       | 225  |  |               |  | 3.0                | 2.5  | 14.0 | 25              | 401 |
| 02 07 200   | 022299       | 200  |  | chrome plated | with dipped insulation, VDE-tested               | 2.8                | 2.2  | 13.0 | 25              | 380 |
| 02 07 225   | 022305       | 225  |  |               |  | 3.0                | 2.5  | 14.0 | 25              | 486 |

## Combination Pliers

DIN ISO 5746 IEC 60900 DIN EN 60900

03

- > with gripping zones for flat and round material, suitable for versatile use
- > with cutting edges for soft and hard wire
- > long cutting edges for thicker cables
- > cutting edges additionally induction hardened, cutting edge hardness approx. 60 HRC
- > Special tool steel, forged, multi stage oil-hardened



03 06 180

1000 V



03 07 200

1000 V



| Article No. | EAN<br>4003773- | ↔<br>mm |        | Pliers        | Handles  | Cutting capacities |      |      |                 |     |
|-------------|-----------------|---------|--------|---------------|--|--------------------|------|------|-----------------|-----|
|             |                 |         |        |               |  | Ø mm               | Ø mm | Ø mm | mm <sup>2</sup> | g   |
| 03 06 160   | 021902          | 160     | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 3.1                | 2.0  | 10.0 | 16              | 228 |
| 03 06 180   | 021926          | 180     |        |               |  | 3.4                | 2.2  | 12.0 | 16              | 264 |
| 03 06 200   | 033776          | 200     |        |               |  | 3.8                | 2.5  | 13.0 | 16              | 326 |
| 03 07 160   | 015307          | 160     | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 3.1                | 2.0  | 10.0 | 16              | 254 |
| 03 07 180   | 015314          | 180     |        |               |  | 3.4                | 2.2  | 12.0 | 16              | 285 |
| 03 07 200   | 015321          | 200     |        |               |  | 3.8                | 2.5  | 13.0 | 16              | 339 |
| 03 07 250   | 015345          | 250     |        |               |  | 3.8                | 2.5  | 15.0 | 25              | 597 |
|             |                 |         |        |               |  |                    |      |      |                 |     |

## Needle-Nose Combination Pliers

DIN ISO 5746

08

**Small High Leverage Combination Pliers with pointed jaw.**  
For all common installation and repair work.

Handy use when working in confined areas thanks to slim head design and pointed jaws (anti-twist)

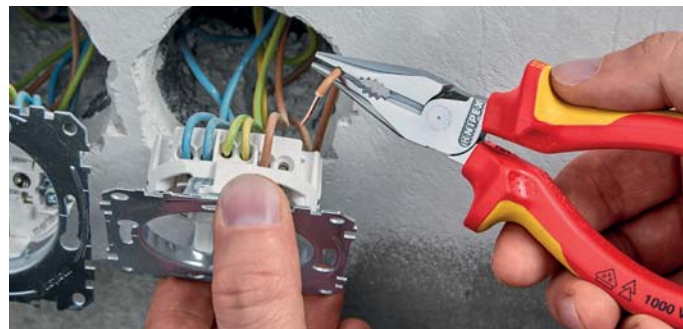
Gripping surfaces with special convex contour on one side for secure gripping of flat parts

Milled groove in the gripping area permits small parts such as nails, pins and bolts to be held and pulled

- > the reliable and diverse combination pliers when out and about
- > easy cutting thanks to the high leverage joint
- > with cutting edges for soft, medium-hard and hard wire
- > long service life and stable tips
- > High-grade special tool steel, forged, multi stage oil-hardened



08 26 145



| Article No. | EAN<br>4003773- | ↔<br>mm |        | Pliers        | Handles  | Cutting capacities |      |      |                   |     |
|-------------|-----------------|---------|--------|---------------|--|--------------------|------|------|-------------------|-----|
|             |                 |         |        |               |  | Ø mm               | Ø mm | Ø mm | Ø mm <sup>2</sup> | g   |
| 08 26 145   | 079361          | 145     | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 3.0                | 2.0  | 8.0  | 16                | 154 |



## Insulation Strippers

IEC 60900 DIN EN 60900

11











- > for single, multiple and fine stranded conductors with plastic or rubber insulation max. 5.0 mm dia. or resp. 10 mm<sup>2</sup> cable cross section
- > easy adjustment to the required diameter of solid or stranded wire with knurled screw and lock nut
- > Special tool steel, forged, oil-hardened



11 06 160  
 ⚡ 1000 V   



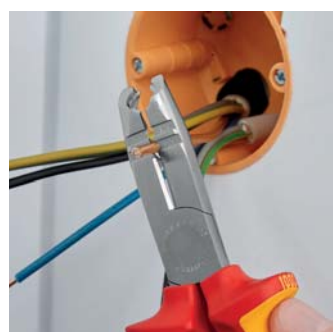
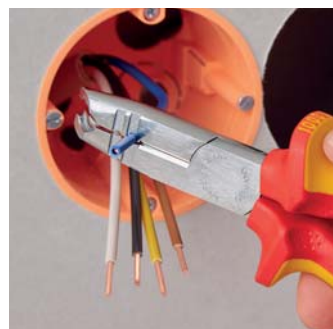
11 07 160  
 ⚡ 1000 V   

| Article No. | EAN 4003773- | ↔ mm |  | Pliers        | Handles  | Stripping capacities<br>Ø mm | Stripping capacities<br>mm <sup>2</sup> | AWG | <br>g |
|-------------|--------------|------|--|---------------|--|------------------------------|---|-----|--|
| 11 06 160   | 021933       | 160  | ⚡ 1000 V          | chrome plated | insulated with multi-component grips, VDE-tested | 5.0                          | 10                                      | 7   | 166  |
| 11 07 160   | 015499       | 160  | ⚡ 1000 V       | chrome plated | with dipped insulation, VDE-tested               | 5.0                          | 10                                      | 7   | 180  |
| 11 17 160   | 015505       | 160  | ⚡ 1000 V    | chrome plated | with dipped insulation, VDE-tested               | 5.0                          | 10                                      | 7   | 181  |

## Dismantling Pliers

DIN ISO 5743

13



### Multifunctional – cutting, dismantling and stripping with one pair of pliers.



For time-saving dismantling and stripping of all common round and damp-proof installation cables (e.g. NYM cable)






Simplified access especially to deep mounted flush sockets thanks to slim head design and optimally angled cable sheath cutter

Strip cables easily and without damage thanks to circular cutting edge with depth limit

- > suitable for universal use: precision wire stripping holes for conductors from 1.5 and 2.5 mm<sup>2</sup>
- > with diagonal cutters for cutting and trimming conductors, wires, small screws and nails
- > all cutters additionally induction hardened to approx. 61 HRC for high wear resistance
- > 30% lighter than comparable pliers
- > Vanadium steel, forged, multi stage oil-hardened



13 46 165  
 ⚡ 1000 V 

| Article No. | EAN 4003773- | ↔ mm |  | Pliers        | Handles  | Dismantling capacities<br>Ø mm | Stripping capacities<br>Ø mm <sup>2</sup> | <br>Ø mm | <br>Ø mm | <br>g |
|-------------|--------------|------|--|---------------|--|--------------------------------|---|---|---|--|
| 13 46 165   | 079910       | 165  | ⚡ 1000 V   | chrome plated | insulated with multi-component grips, VDE-tested | 8 - 13                         | 1.5 / 2.5                                 | 3.2   | 2.2   | 190  |



## Diagonal Insulation Stripper

IEC 60900 DIN EN 60900

14

With long cutting edges

High cutting capacity due to high leverage joint

- > precision stripping holes for single conductors of 1.5 and 2.5 mm<sup>2</sup>
- > convenient cutting of NYM cables up to 5 x 2.5 mm<sup>2</sup>
- > long tips for ultra fine cutting work also in confined areas
- > induction hardened precision blades, cutting edge hardness approx. 60 HRC
- > Vanadium steel, forged, multi stage oil-hardened



14 26 160

1000 V



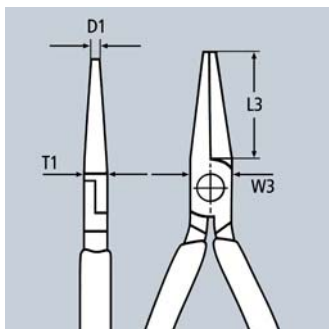
| Article No. | EAN 4003773- | ↔ mm |        | Pliers        | Handles  | Stripping capacities mm <sup>2</sup> | AWG     | Cutting capacities |      | g   |
|-------------|--------------|------|--------|---------------|--|--------------------------------------|---------|--------------------|------|-----|
|             |              |      |        |               |  |                                      |         | Ø mm               | Ø mm |     |
| 14 26 160   | 040279       | 160  | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 1.5 + 2.5                            | 15 + 13 | 2.5                | 1.5  | 216 |

## Round Nose Pliers

DIN ISO 5745 IEC 60900 DIN EN 60900

22

- > for bending wire loops
- > precision ground, short, round jaws
- > smooth tips
- > Chrome vanadium electric steel, forged, oil-hardened



22 06 160

1000 V



| Article No. | EAN 4003773- | ↔ mm |        | Pliers        | Handles  | Dimensions |       |       |       | g   |
|-------------|--------------|------|--------|---------------|--|------------|-------|-------|-------|-----|
|             |              |      |        |               |  | L3 mm      | W3 mm | D1 mm | T1 mm |     |
| 22 06 160   | 033790       | 160  | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 30.0       | 18.0  | 3.0   | 9.5   | 175 |

## Pliers for Electrical Installation

IEC 60900 DIN EN 60900

13

### The all-rounder for professionals

Multifunctional pliers for the electrical installation; to grip flat and round material, for bending, deburring, cutting cable, stripping and crimping end sleeves (ferrules)

6 functions in one pair of pliers

- > smooth surfaces near the tips grip single cores without damaging them; serrated gripping surfaces and pipe grip for gripping flat and round material
- > clear-cut outside edge on the jaw for working on flush-mounted junction boxes and deburring feed-through holes
- > stripping holes for conductors of 0.75 - 1.5 mm<sup>2</sup> and 2.5 mm<sup>2</sup> crimp die for wire-end ferrules 0.5 - 2.5 mm<sup>2</sup>
- > cable shears with (induction-hardened) precision cutting edges for copper and aluminium cables up to 5 x 2.5 mm<sup>2</sup> / dia. 15 mm
- > slim dimensions for easy access
- > bolted joint: precise, zero backlash operation of pliers
- > High-grade special tool steel, forged, multi stage oil-hardened



13 86 200



13 96 200



### 13 96 200

in case of models with opening spring integrated in the joint, the activated locking lever keeps the cutting edges closed while other functions remain active; the intelligent latching mechanism enables you to 'grip' without opening the pliers. The cutting edge remains closed and protected.

Product video

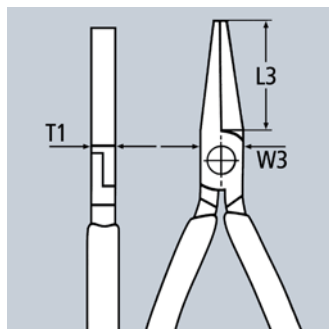


| Article No. | EAN<br>4003773- | ↔<br>mm | Pliers        | Handles  | Cutting capacities |                 | Stripping capacity<br>for cross-sections<br>mm <sup>2</sup> | Capacity<br>mm <sup>2</sup> | ⚖<br>g |
|-------------|-----------------|---------|---------------|--|--------------------|-----------------|---|-----------------------------|--------|
| 13 86 200   | 075097          | 200     | chrome plated | insulated with multi-component grips, VDE-tested | Ø mm               | mm <sup>2</sup> | 0.75 - 1.5 / 2.5  | 0.5 - 2.5                   | 280    |
| 13 96 200   | 075110          | 200     | chrome plated | insulated with multi-component grips, VDE-tested | 15                 | 50              | 0.75 - 1.5 / 2.5  | 0.5 - 2.5                   | 280    |

## Flat Nose Pliers

DIN ISO 5745 IEC 60900 DIN EN 60900

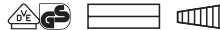
20



- > short, flat jaws
- > knurled gripping surfaces
- > Chrome vanadium electric steel, forged, oil-hardened



20 06 160



| Article No. | EAN<br>4003773- | ↔<br>mm | Pliers        | Handles  | Dimensions |          |          | ⚖<br>g |
|-------------|-----------------|---------|---------------|--|------------|----------|----------|--------|
|             |                 |         |               |  | L3<br>mm   | W3<br>mm | T1<br>mm |        |
| 20 06 160   | 033783          | 160     | chrome plated | insulated with multi-component grips, VDE-tested | 30.0       | 17.0     | 9.5      | 176    |

## Snipe Nose Side Cutting Pliers

(Radio Pliers)

DIN ISO 5745 IEC 60900 DIN EN 60900

25








- > suitable for finer gripping and cutting work
- > pointed, half-round jaws
- > knurled gripping surfaces
- > with cutting edges for medium hard and hard wire
- > cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- > Vanadium steel, forged, multi stage oil-hardened



25 06 160



25 26 160

| Article No. | EAN<br>4003773- |  mm |  | Pliers        | Handles  | Cutting capacities   |  | Dimensions |          |          |          |          |          |     | <br>g |
|-------------|-----------------|--|---|---------------|--|--|--|------------|----------|----------|----------|----------|----------|-----|--|
|             |                 |  |   |               |  |  Ø mm |  Ø mm | L3<br>mm   | L4<br>mm | W3<br>mm | T1<br>mm | W4<br>mm | T2<br>mm |     |  |
| 25 06 160   | 033806          | 160  |  | chrome plated | insulated with multi-component grips, VDE-tested | 2.5  | 1.6  | 50.0       |          | 16.5     | 9.0      | 3.0      | 2.5      | 146 |  |
| 25 26 160   | 052111          | 160  |  | chrome plated | insulated with multi-component grips, VDE-tested | 2.5  | 1.6  | 50.0       | 23.0     | 16.5     | 9.0      | 3.0      | 2.5      | 144 |  |

## Snipe Nose Side Cutting Pliers

(Stork Beak Pliers)

DIN ISO 5745 IEC 60900 DIN EN 60900

26

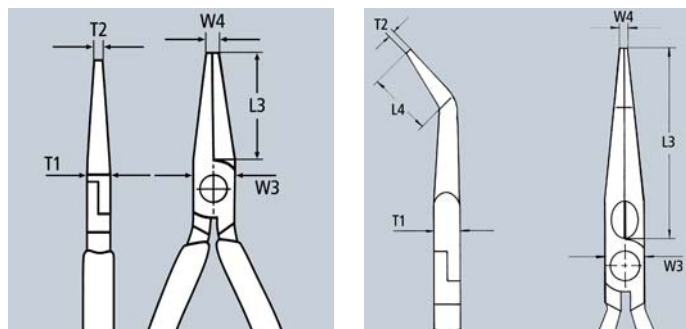
- > high loadable, elastic precision points
- > half-round, long jaws
- > knurled gripping surfaces
- > with cutting edges for medium hard wire max. dia. 3.2 mm and hard wire max. dia. 2.2 mm
- > cutting edges additionally induction hardened, cutting edge hardness approx. 61 HRC
- > Vanadium steel, forged, multi stage oil-hardened



26 16 200



26 27 200



| Article No. | EAN<br>4003773- | ↔<br>mm |  | Pliers        | Handles  | Cutting capacities |          | Dimensions |          |          |          |          |          |       |  |
|-------------|-----------------|---------|--|---------------|--|--------------------|----------|------------|----------|----------|----------|----------|----------|-------|--|
|             |                 |         |  |               |  | <br>Ø mm           | <br>Ø mm | L3<br>mm   | L4<br>mm | T1<br>mm | W3<br>mm | W4<br>mm | T2<br>mm | <br>g |  |
| 26 16 200   | 022831          | 200     |  | chrome plated | insulated with multi-component grips, VDE-tested | 3.2                | 2.2      | 73.0       |          | 9.5      | 17.5     | 3.0      | 2.5      | 206   |  |
| 26 17 200   | 016069          | 200     |  | chrome plated | with dipped insulation, VDE-tested               | 3.2                | 2.2      | 73.0       |          | 9.5      | 17.5     | 3.0      | 2.5      | 212   |  |
| 26 26 200   | 022855          | 200     |  | chrome plated | insulated with multi-component grips, VDE-tested | 3.2                | 2.2      | 73.0       | 23.0     | 9.5      | 17.5     | 3.0      | 2.5      | 204   |  |
| 26 27 200   | 016090          | 200     |  | chrome plated | with dipped insulation, VDE-tested               | 3.2                | 2.2      | 73.0       | 23.0     | 9.5      | 17.5     | 3.0      | 2.5      | 220   |  |



## Long Nose Pliers

DIN ISO 5745 IEC 60900 DIN EN 60900

30

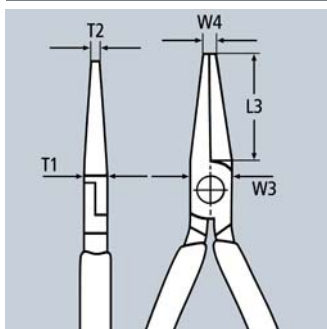
- > heavy duty and wear resisting
- > different jaw styles
- > Chrome vanadium electric steel, forged, oil-hardened

### Style 1

long, trapezoidal jaws; knurled gripping surfaces

### Style 3

long, round jaws; smooth gripping surfaces



30 16 160  
 1000 V

| Article No. | EAN 4003773- | ↔ mm |        | Style | Pliers        | Handles  | Dimensions |       |       |       |       |
|-------------|--------------|------|--------|-------|---------------|--|------------|-------|-------|-------|-------|
|             |              |      |        |       |               |  | L3 mm      | W3 mm | T1 mm | W4 mm | T2 mm |
| 30 16 160   | 001904       | 160  | 1000 V | 1     | chrome plated | insulated with multi-component grips, VDE-tested | 46.5       | 16.5  | 9.5   | 3.0   | 5.0   |
| 30 36 160   | 002123       | 160  | 1000 V | 3     | chrome plated | insulated with multi-component grips, VDE-tested | 41.0       | 16.5  | 9.5   | 5.0   | 2.5   |

## Diagonal Cutters

DIN ISO 5749 IEC 60900 DIN EN 60900

70

- > the indispensable diagonal cutter for all-round use
- > high quality material and precise workmanship for long service life
- > precision cutting edges for soft and hard wire
- > clean cutting of thin copper wires, also at the cutting-edge tips
- > cutting edges additionally induction hardened, cutting edge hardness approx. 62 HRC
- > narrow head style for use in confined areas
- > Vanadium steel, forged, multi stage oil-hardened



70 06 180  
 1000 V



70 07 180  
 1000 V

| Article No. | EAN 4003773- | ↔ mm |        | Pliers        | Handles  | Cutting capacities |      |      | g   |
|-------------|--------------|------|--------|---------------|--|--------------------|------|------|-----|
|             |              |      |        |               |  | Ø mm               | Ø mm | Ø mm |     |
| 70 06 125   | 018124       | 125  | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 3.0                | 2.3  | 1.5  | 121 |
| 70 06 140   | 040293       | 140  |        |               |  | 4.0                | 2.5  | 1.8  | 160 |
| 70 06 180   | 033813       | 180  |        |               |  | 4.0                | 3.0  | 2.5  | 254 |
| 70 07 180   | 018179       | 180  | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 4.0                | 3.0  | 2.5  | 269 |



70-160

MADE IN  
GERMANY

## Diagonal Cutters

DIN ISO 5749 IEC 60900 DIN EN 60900

70

NEW

The next generation of the KNIPEX classic, with even better features:

20% higher cutting force than the previous model, plus longer cutting edges

High cutting force due to optimum cutting geometry and transmission ratio

- > strong precision rivet for even movement and long service-life
- > high-precision cutting edges: additionally induction hardened, cutting-edge hardness approx. 62 HRC
- > narrow head with long cutting edges: good access also in confined areas
- > long tool life and high loading capacity
- > the essential diagonal cutters for diverse use
- > Vanadium steel, forged, multi stage oil-hardened



70 06 160

1000 V



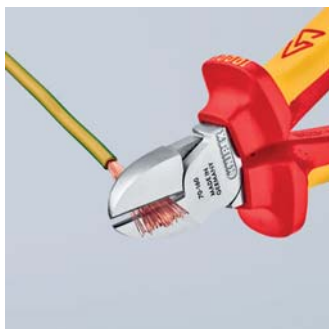
70 07 160

1000 V



70 26 160

1000 V



Cuts thin Cu wire accurately, also at the cutting-edge tips

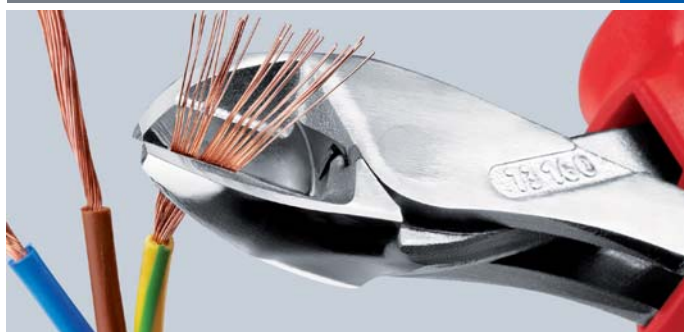
| Article No. | EAN<br>4003773- | ↔<br>mm |        | Pliers        | Handles  | Cutting capacities |      |      | ⚖<br>g |
|-------------|-----------------|---------|--------|---------------|--|--------------------|------|------|--------|
|             |                 |         |        |               |  | ⊘ mm               | ⊘ mm | ⊘ mm |        |
| 70 06 160   | 021995          | 160     | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 4.0                | 3.0  | 2.0  | 216    |
| 70 07 160   | 018155          | 160     | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 4.0                | 3.0  | 2.0  | 227    |
| 70 26 160   | 018223          | 160     | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 4.0                |      |      | 216    |



**KNIPEX X-Cut®**

Compact Diagonal Cutters

DIN ISO 5749 IEC 60900 DIN EN 60900

**73**

Product video

**X-Cut®****40% less effort required**

compared to standard diagonal cutters of the same length.  
With double mounted hinged joint.

**Powerful, light and universal**

Cuts precisely finest strands as well as  
multi-core cables and piano wires

- > box-joint design: highest stability with low weight
- > doubly supported joint axis for heaviest duty
- > high cutting capacity with very little effort thanks to the optimum co-ordination of cutting-edge angle and leverage ratio
- > large opening width for thicker cables
- > cuts precisely, even through fine copper wires
- > compact, low-weight construction
- > universally usable, in the assembly, maintenance and production
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

**73 06 160****1000 V**

| Article No.      | EAN<br>4003773- | ↔<br>mm |  | Pliers        | Handles  | Cutting capacities |      |      |      |      | g   |
|------------------|-----------------|---------|--|---------------|--|--------------------|------|------|------|------|-----|
|                  |                 |         |  |               |  | Ø mm               | Ø mm | Ø mm | Ø mm | Ø mm |     |
| <b>73 06 160</b> | 075141          | 160     |  | chrome plated | insulated with multi-component grips, VDE-tested | 4.8                | 3.8  | 2.7  | 2.2  | 12.0 | 175 |

**High Leverage Diagonal Cutters**

DIN ISO 5749 IEC 60900 DIN EN 60900

**74**

- > with integrated forged axle for heaviest duty
- > suitable for all types of wire including piano wire
- > high cutting performance with minimum effort due to optimum co-ordination
- > of the cutting edge angle and transmission ratio
- > precision cutting edges additionally induction-hardened, cutting edge hardness approx. 64 HRC
- > Chrome vanadium heavy-duty steel, forged, multi stage oil-hardened

**Length 250 mm**

the 250-mm-long diagonal cutter is suitable for copper conductors up to 16 mm² and aluminium conductors up to 35 mm²

**20% less effort required**

compared to conventional diagonal cutters of the same length. With integrated forged joint axle.

**74 06 200****1000 V****74 07 200****1000 V**

| Article No.      | EAN<br>4003773- | ↔<br>mm |  | Pliers        | Handles  | Cutting capacities |      |      |      | g   |
|------------------|-----------------|---------|--|---------------|--|--------------------|------|------|------|-----|
|                  |                 |         |  |               |  | Ø mm               | Ø mm | Ø mm | Ø mm |     |
| <b>74 06 160</b> | 040705          | 160     |  | chrome plated | insulated with multi-component grips, VDE-tested | 3.4                | 2.5  | 2.0  |      | 215 |
| <b>74 06 180</b> | 022985          | 180     |  |               |  | 3.8                | 2.7  | 2.2  |      | 280 |
| <b>74 06 200</b> | 033820          | 200     |  |               |  | 4.2                | 3.0  | 2.5  |      | 308 |
| <b>74 06 250</b> | 041955          | 250     |  |               |  | 4.6                | 3.5  | 3.0  |      | 453 |
| <b>74 07 200</b> | 018414          | 200     |  | chrome plated | with dipped insulation, VDE-tested               | 4.2                | 3.0  | 2.5  |      | 328 |
| <b>74 07 250</b> | 018421          | 250     |  |               |  | 4.6                | 3.5  | 3.0  |      | 510 |

## Pliers Wrench

insulated

IEC 60900 DIN EN 60900

86  
07

- > pliers and a wrench in a single tool
- > also excellent for gripping, holding, pressing and bending workpieces  
zero backlash jaw pressure prevents damage to edges of sensitive and soft nuts (Cu)
- > with scale for presetting the opening width apart from the workpiece
- > no unintentional shift of the gripping jaws and no slipping of the joint
- > parallel jaws give a more solid grip; the construction gives infinite adjustment of all widths up to the specified maximum size
- > the action of the jaws allows quick tightening and release of bolted connections using the ratchet principle
- > lever transmission greater than 10 : 1 for strong gripping power
- > Chrome vanadium electric steel, forged, oil-hardened

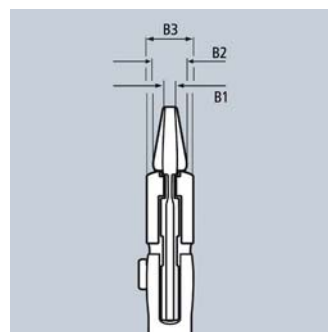
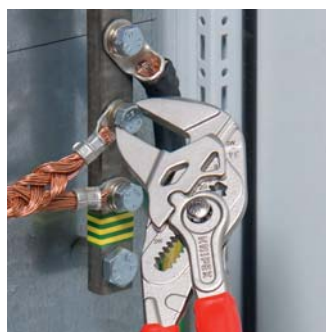


Scale for setting the opening width, apart from the workpiece



86 07 250

1000 V



| Article No. | EAN    | ↔ mm |        | Pliers        | Handles                            | Inch  | mm | Adjustment positions | Dimensions |       |       | g   |
|-------------|--------|------|--------|---------------|------------------------------------|-------|----|----------------------|------------|-------|-------|-----|
|             |        |      |        |               |                                    |       |    |                      | B1 mm      | B2 mm | B3 mm |     |
| 86 07 250   | 065067 | 250  | 1000 V | chrome plated | with dipped insulation, VDE-tested | 1 3/4 | 46 | 17                   | 8.0        | 8.0   | 14    | 615 |

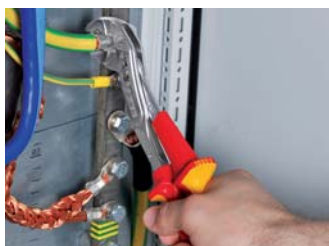
## KNIPLEX Alligator®

Water Pump Pliers

DIN ISO 8976 IEC 60900 DIN EN 60900

88

- > more output and comfort compared to conventional water pump pliers of the same length: 9-notch adjustment positioning for 30% more gripping capacity
- > good access to the workpiece due to slim size in the head and joint area
- > self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- > gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and stable gripping
- > box-joint design: high stability because of the double guide guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened



88 06 250

1000 V



88 07 250

1000 V



# Alligator®

| Article No. | EAN    | ↔ mm |        | Pliers        | Handles  | Ø Inch | Ø mm | mm | Adjustment positions | g   |
|-------------|--------|------|--------|---------------|--|--------|------|----|----------------------|-----|
|             |        |      |        |               |  |        |      |    |                      |     |
| 88 06 250   | 039303 | 250  | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 2      | 50   | 46 | 9                    | 374 |
| 88 07 250   | 019343 | 250  | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 2      | 50   | 46 | 9                    | 420 |
| 88 07 300   | 022350 | 300  | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 2 3/4  | 70   | 60 | 9                    | 661 |

# **KNIPEX Cobra® VDE**

Hightech Water Pump Pliers, insulated  
DIN ISO 8976 IEC 60900 DIN EN 60900

**87**  
**26**

- > adjustment by shifting one jaw directly on to the workpiece: fast, reliable and comfortable handling
- > opening at the touch of a button apart from the workpiece
- > fine adjustment to fit very different workpiece sizes with a comfortable handle position
- > good access to the workpiece due to slim size in the head and joint area
- > self-locking on pipes and nuts: no slipping on the workpiece and low handforce required
- > gripping surfaces with special hardened teeth, teeth hardness approx. 61 HRC: low wear and stable gripping
- > box-joint design: high stability because of the double guide
- > guard prevents operators' fingers being pinched
- > Chrome vanadium electric steel, forged, multi stage oil-hardened



**87 26 250**

**1000 V**



# Cobra®



Quick setting without using a push-button



Just push the pliers handle to adjust!



# 1000 V

The adjustment procedure to adapt to the workpiece is easy and reliable with the KNIPEX Cobra® VDE: place the upper gripping jaw of the opened pliers on the workpiece, push pliers handle to close, done!

| Article No.      | EAN    | ↔ mm |  | Pliers        | Handles  | Ø Inch | Ø mm | mm | Adjustment positions | g   |
|------------------|--------|------|--|---------------|--|--------|------|----|----------------------|-----|
| <b>87 26 250</b> | 071495 | 250  |  | chrome plated | insulated with multi-component grips, VDE-tested | 2      | 50   | 46 | 24                   | 340 |



**Precision Tweezers**

IEC 60900 DIN EN 60900

**92**

- > tested according to IEC 60900
- > with dipped insulation
- > nickel plated
- > Spring steel, high-strength

**92 27 61**

for ultra fine mounting work; extra fine tips; straight pattern; gripping surfaces matt finished for optimum grip

**92 27 62**

straight pattern; gripping surfaces with fine transverse serration

**92 37 64**

angled tips; gripping surfaces with fine transverse serration

**92 67 63**

straight pattern; knurled gripping surfaces

**92 27 61**

1000 V  

**92 27 62**










1000 V  

**92 37 64**

1000 V   $\angle 45^\circ$  

**92 67 63**

1000 V  

| Article No.     | EAN 4003773- | ↔ mm |  | Finish                 |  g |
|-----------------|--------------|------|--|------------------------|---|
| <b>92 27 61</b> | 054757       | 130  | 1000 V                         | with dipped insulation | 32  |
| <b>92 27 62</b> | 054764       | 150  | 1000 V                       | with dipped insulation | 35  |
| <b>92 37 64</b> | 054856       | 150  | 1000 V  $\angle 45^\circ$  | with dipped insulation | 34  |
| <b>92 67 63</b> | 054931       | 145  | 1000 V                     | with dipped insulation | 43  |

**Cable Shears**








IEC 60900 DIN EN 60900

**95****0**

- > for copper single conductors up to 16 mm<sup>2</sup>, multiple stranded wires up to 50 mm<sup>2</sup>, fine stranded up to 70 mm<sup>2</sup> and aluminium conductors multiple stranded wires up to 70 mm<sup>2</sup>
- > easy cutting with one-hand operation due to high transmission ratio
- > not suitable for steel wire and hard drawn copper conductors
- > precision ground, hardened blades
- > no crushing, slight deformation of the cable only
- > with guard
- > adjustable bolted joint
- > shears body: surgical steel, stainless, vacuum-hardened
- > handles: plastic, impact-proof

**95 06 230**

1000 V     

| Article No.      | EAN 4003773- | ↔ mm |  | Head     | Handles                       | Cutting capacities   |   |     |  g |
|------------------|--------------|------|--|----------|-------------------------------|--|---|-----|---|
|                  |              |      |  |          |                               |  Ø mm |  mm <sup>2</sup> | AWG |   |
| <b>95 06 230</b> | 006305       | 230  | 1000 V     | polished | plastic insulated, VDE-tested | 16   | 50  | 1/0 | 274   |

## Cable Shears

IEC 60900 DIN EN 60900

95

- > for cutting copper and aluminium single conductors as well as multiple stranded cables
- > not suitable for steel wire and hard drawn copper conductors
- > precision ground, hardened blades
- > clean and smooth cut without crushing and deformation
- > easy cutting with one-hand operation
- > guard prevents operators' fingers being pinched
- > adjustable bolted joint, self-retaining screw
- > High-grade special tool steel, forged, oil-hardened

### Style 2

internal opening spring, protected and captive



Cut performed with a Diagonal Cutter:  
high effort required, inaccurate cut,  
considerable deforming and crushing  
of the cable



Cut performed with a Cable Shear:  
easy, clean cut without any deformation  
of the cable



95 16 165



95 26 165

| Article No. | EAN    | ↔ mm |  | Style | Tool          | Handles  | Cutting capacities |                 | AWG | g   |
|-------------|--------|------|--|-------|---------------|--|--------------------|-----------------|-----|-----|
|             |        |      |  |       |               |  | Ø mm               | mm <sup>2</sup> |     |     |
| 95 16 165   | 039648 | 165  |  | 1     | chrome plated | insulated with multi-component grips, VDE-tested | 15                 | 50              | 1/0 | 262 |
| 95 26 165   | 069980 | 165  |  | 2     | chrome plated | insulated with multi-component grips, VDE-tested | 15                 | 50              | 1/0 | 275 |

## Cable Shears

with twin cutting edge

IEC 60900 DIN EN 60900

95  
1

Initial cut: using the front cutting edge to cut the insulating sheath on larger cable diameters leaves an ergonomic handle opening width.



Final cut: after cutting the sheath in the front profile the conductors in the rear part are cut. Initial cut in the front profile, final cut in the rear profile – to keep it as easy as possible.

- > for cutting copper and aluminium cables
- > not suitable for steel wire and hard drawn copper conductors
- > precision ground, hardened blades
- > clean and smooth cut without crushing and deformation
- > easy cutting with one-hand operation
- > by dividing the cutting actions into initial cut (insulating sheath in the front cutting area) and final cut (conductors in the back cutting area), cables up to Ø 20 mm can be cut in one-hand operation
- > less effort required due to favourable lever ratio and optimised cutting-edge geometry
- > guard prevents operators' fingers being pinched
- > adjustable bolted joint, self-retaining screw
- > High-grade special tool steel, forged, oil-hardened



95 16 200

1000 V



PATENTED



95 17 200

1000 V



PATENTED

| Article No. | EAN<br>4003773- | ↔<br>mm |        | Tool          | Handles  | Cutting capacities |                 | AWG | g   |
|-------------|-----------------|---------|--------|---------------|--|--------------------|-----------------|-----|-----|
|             |                 |         |        |               |  | Ø mm               | mm <sup>2</sup> |     |     |
| 95 16 200   | 026761          | 200     | 1000 V | chrome plated | insulated with multi-component grips, VDE-tested | 20                 | 70              | 2/0 | 340 |
| 95 17 200   | 026952          | 200     | 1000 V | chrome plated | with dipped insulation, VDE-tested               | 20                 | 70              | 2/0 | 360 |

## Cable Shears

IEC 60900 DIN EN 60900

95  
1

Large cutting capacity: max. 27 mm dia. / 150 mm<sup>2</sup>

- > for cutting copper and aluminium single conductors as well as multiple stranded cables
- > not suitable for steel wire and wire ropes precision ground, hardened blades
- > clean and smooth cut without crushing and deformation
- > less effort required due to favourable lever ratio and optimised cutting-edge geometry
- > short design, length only 500 mm
- > low weight
- > guard prevents operators' fingers being pinched
- > adjustable bolted joint
- > Cutter head: vanadium electric steel, forged, oil-hardened
- > handles: aluminium tube, high-strength



95 17 500

1000 V



| Article No. | EAN<br>4003773- | ↔<br>mm |        | Head     | Handles                            | Cutting capacities |                 | AWG | g    |
|-------------|-----------------|---------|--------|----------|------------------------------------|--------------------|-----------------|-----|------|
|             |                 |         |        |          |                                    | Ø mm               | mm <sup>2</sup> |     |      |
| 95 17 500   | 026785          | 500     | 1000 V | polished | with dipped insulation, VDE-tested | 27                 | 150             | 5/0 | 1477 |



## Cable Shears

IEC 60900 DIN EN 60900

95  
2

- > for cutting copper and aluminium single conductors as well as multiple stranded cables
- > not suitable for steel wire and wire ropes
- > precision ground, hardened blades
- > clean and smooth cut without crushing and deformation
- > favourable lever ratio due to toggle lever
- > guard prevents operators' fingers being pinched
- > adjustable bolted joint
- > bolted cutter head, replaceable
- > cutter head: high-grade chrome vanadium electric steel, forged, oil-hardened
- > handles: steel tube



95 27 600

| Article No. | EAN<br>4003773- | ↔<br>mm                                     |  | Head     | Handles                            | Cutting capacities |                 | AWG | ⚖<br>g |
|-------------|-----------------|---|--|----------|------------------------------------|--------------------|-----------------|-----|--------|
|             |                 |   |  |          |                                    | Ø mm               | mm <sup>2</sup> |     |        |
| 95 27 600   | 021797          | 600   |  | polished | with dipped insulation, VDE-tested | 27                 | 150             | 5/0 | 2301   |
| 95 29 600   | 021803          | Spare cutter head for 95 21 600 / 95 27 600 |  |          |                                    |                    |                 |     |        |

## Cable Cutters

ratchet action

IEC 60900 DIN EN 60900

95  
3

- > for cutting copper and aluminium single conductors as well as multiple stranded cables
- > not suitable for steel wire and wire ropes
- > precision ground, hardened blades
- > clean and smooth cut without crushing and deformation
- > one-hand operation using ratchet principle
- > little handforce required due to very high transmission ratio
- > two-stage ratchet drive for easy cutting
- > simple handling as a result of low weight and compact design – can be used even in confined areas
- > guard prevents operators' fingers being pinched
- > High-grade special tool steel, forged, oil-hardened



95 36 250



95 36 280



Ratchet principle and two-stage ratchet drive for easier cutting

Product video  
95 36 250Product video  
95 36 280

95 36 280

suitable for aluminium sector cable up to 4 x 150 mm<sup>2</sup>

| Article No. | EAN<br>4003773- | ↔<br>mm                                       |  | Tool            | Handles  | Cutting capacities |                 | MCM | ⚖<br>g |
|-------------|-----------------|---|--|-----------------|--|--------------------|-----------------|-----|--------|
|             |                 |   |  |                 |  | Ø mm               | mm <sup>2</sup> |     |        |
| 95 36 250   | 026884          | 250   |  | black lacquered | insulated with multi-component grips, VDE-tested | 32                 | 240             | 500 | 652    |
| 95 36 280   | 026891          | 280   |  | black lacquered | insulated with multi-component grips, VDE-tested | 52                 | 380             | 750 | 835    |
| 95 39 250   | 022244          | Movable spare blade for 95 31 250 / 95 36 250 |  |                 |  |                    |                 |     |        |
| 95 39 280   | 025283          | Movable spare blade for 95 31 280 / 95 36 280 |  |                 |  |                    |                 |     |        |

## Cable Cutter

ratchet principle, 3-stage  
IEC 60900 DIN EN 60900

95  
3

**Sturdy. Easy to use. Stable.**

**Innovative ratchet-drive**








**For cable up to 60 mm diameter**

- > easy handling due to low weight (830 g) and compact construction (320 mm length) – also usable in confined areas
- > cutting through copper and aluminium cables with diameters of up to 60 mm in one-hand and two-hand operation
- > hardened cutting edges, precisely ground, cut smoothly and neatly without crushing
- > for cutting copper and aluminium single conductors as well as multiple stranded cables (not suitable for steel wire and wire ropes)
- > innovative three-stage ratchet-drive with high leverage for easy cutting in one-hand and two-hand operation
- > fixed handle with support area for putting down the pliers when cutting
- > High-grade special tool steel, forged, oil-hardened



95 36 320

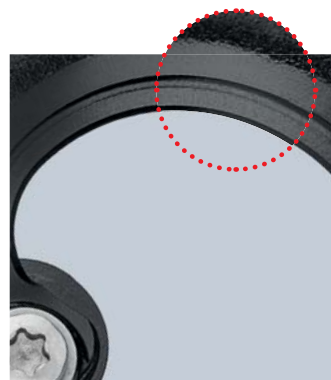
1000 V    

| Article No.  | EAN 4003773- | ↔ mm  |  | Tool               | Handles  | Cutting capacities   |   | MCM  |  g |
|--------------|--------------|---|--|--------------------|--|--|---|------|---|
|              |              |   |  |                    |  |  Ø mm |  mm <sup>2</sup> |      |   |
| 95 36 320    | 075189       | 320   | 1000 V     | black atramentized | insulated with multi-component grips, VDE-tested | 60   | 600   | 1200 | 830   |
| 95 39 320 01 | 075714       | Pivot cutter repair kit for 95 32 320 and 95 36 320 |  |                    |  |  |   |      |   |
| 95 39 320 02 | 075721       | Fixed cutter repair kit for 95 32 320 and 95 36 320 |  |                    |  |  |   |      |   |

## Cable Cutter

ratchet action  
for steel wire armoured cables (SWA cable)

95  
36



Precision milled and induction hardened cutting edge



**Cuts through steel wire armoured cables with a diameter of up to 45 mm / 380 mm<sup>2</sup> (e.g. 4 x 95 mm<sup>2</sup>) using one or two-handed operation**

**Sturdy. Easy to use. Stable.**

- > simple handling due to low weight (800 g) and compact design (315 mm length) – can also be used in confined areas
- > precision ground blades and induction hardened cutting edges cut smoothly and neatly without crushing
- > innovative high leverage three-stage ratchet-drive
- > support area for putting down the pliers when cutting
- > not suitable for cutting ACSR cable and wire rope!
- > High-grade special tool steel, forged, multi stage oil-hardened










95 36 315 A

1000 V    

Product video



| Article No.    | EAN 4003773- | ↔ mm   |  | Tool            | Handles  | Cutting capacities   |   | MCM |  g |
|----------------|--------------|--|--|-----------------|--|--|---|-----|---|
|                |              |  |  |                 |  |  Ø mm |  mm <sup>2</sup> |     |   |
| 95 36 315 A    | 078579       | 315  | 1000 V     | black lacquered | insulated with multi-component grips, VDE-tested | 45   | 380   | 750 | 800   |
| 95 39 315 A 01 | 078586       | Pivot cutter repair kit for 95 32 315 A and 95 36 315 A (ratchet action) |  |                 |  |  |   |     |   |
| 95 39 315 A 02 | 078593       | Fixed cutter repair kit for 95 32 315 A and 95 36 315 A (ratchet action) |  |                 |  |  |   |     |   |

## Wire Rope and ACSR-Cable Cutter

IEC 60900 DIN EN 60900

95  
7

- > for wire ropes and steel rods, copper and aluminium cables
- > suitable for cutting overhead line cables with strain relief wire (ACSR cables)
- > angular cutting blades allow cutting of single rope wire
- > optimum transmission ratio for high cutting performance
- > bolted cutter head, replaceable low weight
- > cutter head: high-grade special tool steel, multi stage oil-hardened
- > handles: aluminium, highstrength



95 77 600

| Article No. | EAN    | ↔<br>mm                                     |  | Head     | Handles                | Cutting capacities |      |      |     |      |
|-------------|--------|---|--|----------|------------------------|--------------------|------|------|-----|------|
|             |        |   |  |          |                        | mm²                | Ø mm | Ø mm | AWG | g    |
| 95 77 600   | 025313 | 600   |  | polished | with dipped insulation | 150                | 14.0 | 9.0  | 5/0 | 2359 |
| 95 79 600   | 025337 | Spare cutter head for 95 71 600 / 95 77 600 |  |          |                        |                    |      |      |     |      |

## Crimping Pliers for end sleeves (ferrules)

IEC 60900 DIN EN 60900

97  
68

- > for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4 in the range from 0.25 up to 2.5 mm²
- > crimping in marked trapezoidal dies for reliable connections between the sleeve and the conductor
- > Vanadium electric steel; forged, oil-hardened



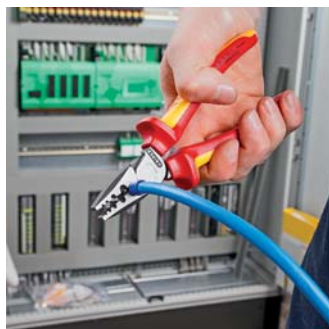
97 68 145 A

| Article No. | EAN    | ↔<br>mm |  | Head     | Handles  | Capacity mm² | AWG     | Number of crimping positions |     |
|-------------|--------|---------|--|----------|--|--------------|---------|------------------------------|-----|
| 97 68 145 A | 071754 | 145     |  | polished | insulated with multi-component grips, VDE-tested | 0.25 - 2.5   | 23 - 13 | 4                            | 175 |

## Crimping Pliers for end sleeves (ferrules)

IEC 60900 DIN EN 60900

97



97 78 180



- > for crimping end sleeves (ferrules) according to DIN 46228 parts 1 + 4 from 0.25 to 16 mm²
- > easy crimping due to optimised transmission ratio
- > light and slim design
- > crimping in marked half-round dies for reliable connections between the sleeve and the conductor
- > 9 particularly deep dies with conical side faces
- > Special tool steel, forged, oil-hardened

| Article No. | EAN    | ↔<br>mm |  | Head     | Handles  | Capacity mm² | AWG    | Number of crimping positions |     |
|-------------|--------|---------|--|----------|--|--------------|--------|------------------------------|-----|
| 97 78 180   | 072003 | 180     |  | polished | insulated with multi-component grips, VDE-tested | 0.25 - 16    | 23 - 5 | 9                            | 254 |

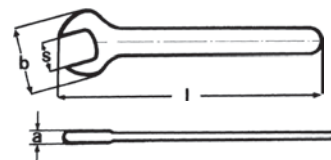


## Open End Wrenches

IEC 60900 DIN EN 60900

98  
0

- > jaw 15° angled
- > basic tool chrome plated
- > Chrome vanadium steel, forged, oil-hardened

98 00 14  
△ 1000 V ○

| Article No. | EAN 4003773- |            | Width across flats S<br>mm | Width across flats S<br>Inch | Length l<br>max. mm | Head width b<br>max. mm | Head thickness a<br>max. mm | g   |
|-------------|--------------|------------|----------------------------|------------------------------|---------------------|-------------------------|-----------------------------|-----|
| 98 00 07    | 019824       | △ 1000 V ○ | 7.0                        |                              | 105.0               | 20.0                    | 4.0                         | 15  |
| 98 00 08    | 019831       |            | 8.0                        |                              | 105.0               | 22.0                    | 4.0                         | 31  |
| 98 00 09    | 019848       |            | 9.0                        |                              | 105.0               | 24.0                    | 4.0                         | 29  |
| 98 00 10    | 019893       |            | 10.0                       |                              | 105.0               | 27.0                    | 5.0                         | 40  |
| 98 00 11    | 019909       |            | 11.0                       |                              | 120.0               | 30.0                    | 5.5                         | 45  |
| 98 00 12    | 019923       |            | 12.0                       |                              | 125.0               | 32.0                    | 5.5                         | 70  |
| 98 00 13    | 019930       |            | 13.0                       |                              | 130.0               | 34.0                    | 6.5                         | 68  |
| 98 00 14    | 019947       |            | 14.0                       |                              | 135.0               | 35.0                    | 6.5                         | 86  |
| 98 00 15    | 019954       |            | 15.0                       |                              | 145.0               | 37.0                    | 7.0                         | 80  |
| 98 00 16    | 019961       |            | 16.0                       |                              | 155.0               | 38.0                    | 7.0                         | 112 |
| 98 00 17    | 019978       |            | 17.0                       |                              | 155.0               | 42.0                    | 8.0                         | 119 |
| 98 00 18    | 019985       |            | 18.0                       |                              | 160.0               | 44.0                    | 8.0                         | 149 |
| 98 00 19    | 019992       |            | 19.0                       |                              | 165.0               | 47.0                    | 9.0                         | 154 |
| 98 00 22    | 020004       |            | 22.0                       |                              | 190.0               | 52.0                    | 9.0                         | 216 |
| 98 00 24    | 020011       |            | 24.0                       |                              | 210.0               | 56.0                    | 9.0                         | 262 |
| 98 00 27    | 020028       |            | 27.0                       |                              | 215.0               | 63.0                    | 9.0                         | 307 |
| 98 00 1/4"  | 019886       |            |                            | 1/4                          | 108.0               | 20.0                    | 4.0                         | 32  |
| 98 00 5/16" | 020073       |            |                            | 5/16                         | 108.0               | 22.0                    | 4.0                         | 36  |
| 98 00 3/8"  | 020042       |            |                            | 3/8                          | 108.0               | 27.0                    | 5.0                         | 37  |
| 98 00 7/16" | 020097       |            |                            | 7/16                         | 120.7               | 30.0                    | 5.5                         | 53  |
| 98 00 1/2"  | 019879       |            |                            | 1/2                          | 139.7               | 34.0                    | 6.5                         | 60  |
| 98 00 9/16" | 020110       |            |                            | 9/16                         | 152.4               | 35.0                    | 6.5                         | 102 |
| 98 00 5/8"  | 020080       |            |                            | 5/8                          | 165.1               | 38.0                    | 7.0                         | 124 |
| 98 00 3/4"  | 020035       |            |                            | 3/4                          | 190.5               | 47.0                    | 9.0                         | 164 |

## Adjustable Wrench

IEC 60900 DIN EN 60900

98  
07

- > parallel smooth gripping jaws
- > continuously variable gripping width
- > with scaling for presetting the width apart from the workpiece
- > Chrome Vanadium steel

98 07 250  
△ 1000 V ◻ ∠22° ○

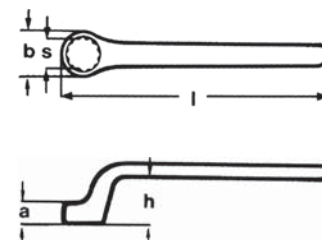
| Article No. | EAN 4003773- | ↔<br>mm |                   | Tool          | Handle                 | ◻<br>mm | ◻<br>Inch | Jaw width<br>mm | Head width<br>mm | Width<br>mm | Depth<br>mm | g   |
|-------------|--------------|---------|-------------------|---------------|------------------------|---------|-----------|-----------------|------------------|-------------|-------------|-----|
| 98 07 250   | 071518       | 260     | △ 1000 V ◻ ∠22° ○ | chrome plated | with dipped insulation | 30      | 1 1/8     | 8.0             | 16.0             | 73.0        | 20.0        | 500 |

## Box Wrenches

IEC 60900 DIN EN 60900

98  
0

- > cranked
- > basic tool chrome plated
- > Chrome vanadium steel, forged, oil-hardened

98 01 14  
⚡ 1000 V

| Article No. | EAN 4003773- |          | Width across flats S mm | Length l max. mm | Head width b max. mm | Head thickness a max. mm | Depth of crank h max. mm | g   |
|-------------|--------------|----------|-------------------------|------------------|----------------------|--------------------------|--------------------------|-----|
| 98 01 07    | 020134       | ⚡ 1000 V | 7.0                     | 150.0            | 12.0                 | 7.0                      | 18.0                     | 55  |
| 98 01 08    | 020141       |          | 8.0                     | 155.0            | 14.0                 | 7.0                      | 19.0                     | 68  |
| 98 01 09    | 020158       |          | 9.0                     | 165.0            | 15.5                 | 8.0                      | 19.0                     | 78  |
| 98 01 10    | 020196       |          | 10.0                    | 160.0            | 17.0                 | 9.0                      | 20.0                     | 75  |
| 98 01 11    | 020202       |          | 11.0                    | 165.0            | 18.5                 | 10.0                     | 21.0                     | 93  |
| 98 01 12    | 020226       |          | 12.0                    | 185.0            | 18.5                 | 10.0                     | 23.0                     | 118 |
| 98 01 13    | 020233       |          | 13.0                    | 185.0            | 21.5                 | 11.0                     | 23.0                     | 125 |
| 98 01 14    | 020240       |          | 14.0                    | 195.0            | 23.0                 | 12.0                     | 24.0                     | 147 |
| 98 01 15    | 020257       |          | 15.0                    | 200.0            | 24.0                 | 12.0                     | 24.0                     | 143 |
| 98 01 16    | 020264       |          | 16.0                    | 200.0            | 26.0                 | 12.0                     | 26.0                     | 172 |
| 98 01 17    | 020271       |          | 17.0                    | 205.0            | 27.0                 | 13.0                     | 26.0                     | 184 |
| 98 01 18    | 020288       |          | 18.0                    | 210.0            | 29.0                 | 13.0                     | 28.0                     | 210 |
| 98 01 19    | 020295       |          | 19.0                    | 225.0            | 30.0                 | 14.0                     | 28.0                     | 245 |
| 98 01 22    | 020301       |          | 22.0                    | 225.0            | 35.0                 | 15.0                     | 30.0                     | 278 |
| 98 01 24    | 020318       |          | 24.0                    | 265.0            | 38.0                 | 16.0                     | 30.0                     | 415 |

## Nut Drivers

with screwdriver handle

EC 60900 DIN EN 60900

98  
0

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

98 03 10  
⚡ 1000 V

| Article No. | EAN 4003773- | ↔ mm |          | Point     | Handle  | Width across flats S mm | Blade length mm | Handle length mm | Head dia. mm | g   |
|-------------|--------------|------|----------|-----------|---|-------------------------|-----------------|------------------|--------------|-----|
| 98 03 04    | 071679       | 230  | ⚡ 1000 V | burnished | insulating multi-component handle, VDE-tested | 4.0                     | 125.0           | 107              | 9.0          | 70  |
| 98 03 05    | 071686       | 230  |          |           |   | 5.0                     | 125.0           | 107              | 10.0         | 70  |
| 98 03 055   | 026082       | 232  |          |           |   | 5.5                     | 125.0           | 107              | 11.0         | 87  |
| 98 03 06    | 026099       | 232  |          |           |   | 6.0                     | 125.0           | 107              | 12.0         | 88  |
| 98 03 07    | 026105       | 237  |          |           |   | 7.0                     | 125.0           | 112              | 14.0         | 123 |
| 98 03 08    | 024095       | 237  |          |           |   | 8.0                     | 125.0           | 112              | 15.0         | 125 |
| 98 03 09    | 026112       | 237  |          |           |   | 9.0                     | 125.0           | 112              | 16.0         | 129 |
| 98 03 10    | 026129       | 237  |          |           |   | 10.0                    | 125.0           | 112              | 17.0         | 118 |
| 98 03 11    | 026136       | 237  |          |           |   | 11.0                    | 125.0           | 112              | 19.0         | 148 |
| 98 03 12    | 026143       | 237  |          |           |   | 12.0                    | 125.0           | 112              | 20.0         | 150 |
| 98 03 13    | 026150       | 237  |          |           |   | 13.0                    | 125.0           | 112              | 21.0         | 152 |

## Nut Drivers

with T-handle

IEC 60900 DIN EN 60900

98  
0

- > Special tool steel, oil-hardened

98 05 13  
△ 1000 V98 04 13  
△ 1000 V

| Article No. | EAN 4003773- | ↔ mm |          | Width across flats S mm | Handle length max. mm | Head dia. mm | △ g |
|-------------|--------------|------|----------|-------------------------|-----------------------|--------------|-----|
| 98 04 08    | 071341       | 200  | △ 1000 V | 8.0                     | 90                    | 15.0         | 344 |
| 98 04 10    | 026167       | 200  |          | 10.0                    | 155                   | 19.5         | 324 |
| 98 04 13    | 026198       | 200  |          | 13.0                    | 155                   | 23.5         | 344 |
| 98 04 17    | 026211       | 200  |          | 17.0                    | 155                   | 28.5         | 426 |
| 98 04 19    | 020424       | 200  |          | 19.0                    | 155                   | 31.0         | 525 |
| 98 04 22    | 026228       | 200  |          | 22.0                    | 155                   | 34.5         | 560 |
| 98 05 13    | 026273       | 300  | △ 1000 V | 13.0                    | 155                   | 23.5         | 409 |
| 98 05 17    | 026297       | 300  |          | 17.0                    | 155                   | 28.5         | 544 |
| 98 05 19    | 026303       | 300  |          | 19.0                    | 155                   | 31.0         | 674 |

## Screwdrivers for hexagon socket screws

IEC 60900 DIN EN 60900

98  
1

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

98 13 30

△ 1000 V



| Article No. | EAN 4003773- | ↔ mm |          | Tip       | Handle  | Width across flats S mm | Blade length mm | Length of non-insulated blade mm | Handle length mm | △ g |
|-------------|--------------|------|----------|-----------|---|-------------------------|-----------------|----------------------------------|------------------|-----|
| 98 13 20    | 071693       | 175  | △ 1000 V | burnished | insulating multi-component handle, VDE-tested | 2.0                     | 75.0            | 15.0                             | 102              | 40  |
| 98 13 25    | 026334       | 177  |          |           |   | 2.5                     | 75.0            | 15.0                             | 102              | 32  |
| 98 13 30    | 026341       | 182  |          |           |   | 3.0                     | 75.0            | 15.0                             | 107              | 49  |
| 98 13 40    | 026358       | 182  |          |           |   | 4.0                     | 75.0            | 15.0                             | 107              | 55  |
| 98 13 50    | 026365       | 187  |          |           |   | 5.0                     | 75.0            | 15.0                             | 112              | 82  |
| 98 13 60    | 026372       | 212  |          |           |   | 6.0                     | 100.0           | 15.0                             | 112              | 98  |

## Screwdrivers for hexagon socket screws

with T-handle

IEC 60900 DIN EN 60900

98  
1

- > Special tool steel, oil-hardened

98 15 08  
△ 1000 V

98 14 08

△ 1000 V



| Article No. | EAN 4003773- | ↔ mm |          | Width across flats S mm | Length of non-insulated blade ± 2 mm | T-Handle length mm | △ g |
|-------------|--------------|------|----------|-------------------------|--------------------------------------|--------------------|-----|
| 98 14 05    | 020431       | 120  | △ 1000 V | 5.0                     | 9.0                                  | 90.0               | 220 |
| 98 14 06    | 020448       | 120  |          | 6.0                     | 10.0                                 | 90.0               | 208 |
| 98 14 08    | 020455       | 120  |          | 8.0                     | 11.0                                 | 90.0               | 286 |
| 98 15 05    | 020479       | 250  | △ 1000 V | 5.0                     | 9.0                                  | 90.0               | 363 |
| 98 15 06    | 020486       | 250  |          | 6.0                     | 10.0                                 | 90.0               | 452 |
| 98 15 08    | 020493       | 250  |          | 8.0                     | 11.0                                 | 90.0               | 359 |



## Screwdrivers for slotted screws

IEC 60900 DIN EN 60900

98  
2

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

### 98 21 45

especially for meter assembly with blade length of 180 mm



98 20 55

| Article No. | EAN 4003773- | ↔ mm |  | Point | Handle | Blade width mm | Blade thickness mm | Blade length mm | Length of non-insulated blade mm | Handle length mm | g   |
|-------------|--------------|------|--|-------|--------|----------------|--------------------|-----------------|----------------------------------|------------------|-----|
| 98 20 10    | 026396       | 320  |  |       |        | 10.0           | 1.6                | 200             | 15                               | 120              | 184 |
| 98 20 25    | 062325       | 177  |  |       |        | 2.5            | 0.4                | 75              | 15                               | 102              | 32  |
| 98 20 30    | 062332       | 202  |  |       |        | 3.0            | 0.5                | 100             | 15                               | 102              | 35  |
| 98 20 35    | 024217       | 202  |  |       |        | 3.5            | 0.6                | 100             | 15                               | 102              | 35  |
| 98 20 40    | 026402       | 202  |  |       |        | 4.0            | 0.8                | 100             | 15                               | 102              | 38  |
| 98 20 55    | 024224       | 232  |  |       |        | 5.5            | 1.0                | 125             | 15                               | 107              | 69  |
| 98 20 65    | 026419       | 262  |  |       |        | 6.5            | 1.2                | 150             | 15                               | 112              | 105 |
| 98 20 80    | 024231       | 295  |  |       |        | 8.0            | 1.2                | 175             | 15                               | 120              | 152 |
| 98 21 45    | 026426       | 287  |  |       |        | 4.5            | 0.8                | 180             | 15                               | 107              | 66  |

## Screwdrivers (Slim) for slotted screws

IEC 60900 DIN EN 60900

98  
2

- > Reduced blade isolation diameter for recessed spring and screw elements
- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel



98 20 65 SL

| Article No. | EAN 4003773- | ↔ mm |  | Point | Handle | Blade width mm | Blade thickness mm | Blade length mm | Length of non-insulated blade mm | Handle length mm | g   |
|-------------|--------------|------|--|-------|--------|----------------|--------------------|-----------------|----------------------------------|------------------|-----|
| 98 20 35 SL | 079712       | 202  |  |       |        | 3.5            | 0.6                | 100             | 15                               | 102              | 35  |
| 98 20 40 SL | 079729       | 202  |  |       |        | 4.0            | 0.8                | 100             | 15                               | 102              | 38  |
| 98 20 55 SL | 079736       | 232  |  |       |        | 5.5            | 1.0                | 125             | 15                               | 107              | 69  |
| 98 20 65 SL | 079743       | 262  |  |       |        | 6.5            | 1.2                | 150             | 15                               | 112              | 105 |

## Screwdrivers for cross-recessed screws

Phillips®

IEC 60900 DIN EN 60900

98  
2

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel



98 24 03

Phillips® is a registered trademark of Phillips Screw Company

| Article No. | EAN 4003773- | ↔ mm |  | Point | Handle | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | g   |
|-------------|--------------|------|--|-------|--------|------|-----------------|----------------------------------|------------------|-----|
| 98 24 00    | 026433       | 162  |  |       |        | PH0  | 60              | 15                               | 102              | 32  |
| 98 24 01    | 026440       | 187  |  |       |        | PH1  | 80              | 15                               | 107              | 58  |
| 98 24 02    | 026457       | 212  |  |       |        | PH2  | 100             | 18                               | 112              | 94  |
| 98 24 03    | 026464       | 270  |  |       |        | PH3  | 150             | 18                               | 120              | 165 |
| 98 24 04    | 026471       | 320  |  |       |        | PH4  | 200             | 18                               | 120              | 244 |

## Screwdrivers (Slim) for cross-recessed screws

Phillips®

IEC 60900 DIN EN 60900

98  
2

98 24 02 SL

1000 V

- > Reduced blade isolation diameter for recessed spring and screw elements
- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

Phillips® is a registered trademark of Phillips Screw Company

| Article No. | EAN 4003773- | ↔ mm |  | Point     | Handle  | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | g  |
|-------------|--------------|------|--|-----------|---|------|-----------------|----------------------------------|------------------|----|
| 98 24 01 SL | 079750       | 187  |  | burnished | insulating multi-component handle, VDE-tested | PH1  | 80              | 15                               | 107              | 58 |
| 98 24 02 SL | 079767       | 212  |  |           |   | PH2  | 100             | 18                               | 112              | 94 |

## Screwdrivers for cross-recessed screws

Pozidriv®

IEC 60900 DIN EN 60900

98  
2

98 25 03

1000 V

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

Pozidriv® is a registered trademark of European Ind. Serv. Ltd.

| Article No. | EAN 4003773- | ↔ mm |  | Point     | Handle  | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | g   |
|-------------|--------------|------|--|-----------|---|------|-----------------|----------------------------------|------------------|-----|
| 98 25 00    | 062370       | 162  |  | burnished | insulating multi-component handle, VDE-tested | PZ0  | 60              | 15                               | 102              | 40  |
| 98 25 01    | 031260       | 187  |  |           |   | PZ1  | 80              | 15                               | 107              | 58  |
| 98 25 02    | 031277       | 212  |  |           |   | PZ2  | 100             | 18                               | 112              | 94  |
| 98 25 03    | 031284       | 270  |  |           |   | PZ3  | 150             | 18                               | 120              | 165 |
| 98 25 04    | 062387       | 320  |  |           |   | PZ4  | 200             | 18                               | 120              | 244 |

## Screwdrivers (Slim) for cross-recessed screws

Pozidriv®

IEC 60900 DIN EN 60900

98  
2

98 25 02 SL

1000 V

- > Reduced blade isolation diameter for recessed spring and screw elements
- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel

Pozidriv® is a registered trademark of European Ind. Serv. Ltd.

| Artikel-Nr. | EAN 4003773- | ↔ mm |  | Point     | Handle  | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | g  |
|-------------|--------------|------|--|-----------|---|------|-----------------|----------------------------------|------------------|----|
| 98 25 01 SL | 079774       | 187  |  | burnished | insulating multi-component handle, VDE-tested | PZ1  | 80              | 15                               | 107              | 58 |
| 98 25 02 SL | 079781       | 212  |  |           |   | PZ2  | 100             | 18                               | 112              | 94 |

## Screwdrivers for Torx® screws

IEC 60900 DIN EN 60900

98  
2

- > ergonomically optimised dual component handle for fatigue reduced work and optimum transmission of force
- > handle design prevents rolling
- > Chrome vanadium molybdenum steel



98 26 30

Torx® is a registered trademark of Acument Global Technologies, Inc.

| Article No. | EAN 4003773- | ↔ mm |  | Point     | Handle  | Size | Blade length mm | Length of non-insulated blade mm | Handle length mm | ⚖ g |
|-------------|--------------|------|--|-----------|---|------|-----------------|----------------------------------|------------------|-----|
| 98 26 10    | 071709       | 160  |  | burnished | insulating multi-component handle, VDE-tested | TX10 | 60              | 15                               | 102              | 33  |
| 98 26 15    | 071716       | 185  |  |           |   | TX15 | 80              | 15                               | 107              | 58  |
| 98 26 20    | 071723       | 185  |  |           |   | TX20 | 80              | 15                               | 107              | 58  |
| 98 26 25    | 071730       | 185  |  |           |   | TX25 | 80              | 15                               | 107              | 58  |
| 98 26 30    | 071747       | 210  |  |           |   | TX30 | 100             | 18                               | 112              | 95  |

## T-handle

with driving square 3/8" or 1/2"

IEC 60900 DIN EN 60900

98



- > for use with sockets
- > quick, easy and reliable locking of attached sockets
- > basic tool chrome plated
- > High-grade special tool steel, forged, oil-hardened



98 40

| Article No. | EAN 4003773- | ↔ mm |  | Handle length mm | Square drive Inch | ⚖ g |
|-------------|--------------|------|--|------------------|-------------------|-----|
| 98 30       | 026488       | 200  |  | 165              | 3/8               | 447 |
| 98 40       | 026501       | 200  |  | 165              | 1/2               | 631 |

## Reversible Ratchets

with driving square 3/8" or 1/2"

IEC 60900 DIN EN 60900

98

- > for use with sockets
- > reversible for clockwise and anti-clockwise directions
- > extremely smooth action
- > quick, easy and reliable locking of attached sockets
- > Chrome vanadium steel, forged



98 31

| Article No. | EAN 4003773- | ↔ mm |  | Square drive Inch | ⚖ g |
|-------------|--------------|------|--|-------------------|-----|
| 98 31       | 026495       | 190  |  | 3/8               | 324 |
| 98 41       | 026518       | 265  |  | 1/2               | 625 |





## Extension Bars

with internal and driving square 3/8" or 1/2"

IEC 60900 DIN EN 60900

98

- > for use with sockets
- > with internal and external square
- > quick, easy and reliable locking of attached sockets
- > Chrome vanadium steel, forged

| Article No.      | EAN<br>4003773- | ↔<br>mm |   | Square drive<br>Inch | ⚖<br>g |
|------------------|-----------------|---------|---|----------------------|--------|
| <b>98 35 125</b> | 020530          | 125     | ⚡ 1000V  | 3/8                  | 149    |
| <b>98 35 250</b> | 020547          | 250     |   | 3/8                  | 294    |
| <b>98 45 125</b> | 020813          | 125     | ⚡ 1000V  | 1/2                  | 258    |
| <b>98 45 250</b> | 020820          | 250     |   | 1/2                  | 490    |



98 35 125

⚡ 1000V  

98 45 250

⚡ 1000V  

## Hexagon Sockets for hexagonal screws

for internal square 3/8" or 1/2"

IEC 60900 DIN EN 60900

98



- > for metric hexagonal head screws
- > basic tool chrome plated
- > Chrome Vanadium steel





98 37 17

⚡ 1000V  

98 47 17

⚡ 1000V  

| Article No.     | EAN<br>4003773- |   | Width across flats S<br>mm | Dia. of effective tool side d max.<br>mm | Square drive<br>Inch | ⚖<br>g |
|-----------------|-----------------|---|----------------------------|--|----------------------|--------|
| <b>98 37 10</b> | 020578          | ⚡ 1000V  | 10.0                       | 18.7                                     | 3/8                  | 32     |
| <b>98 37 11</b> | 020585          |   | 11.0                       | 20.0                                     | 3/8                  | 32     |
| <b>98 37 12</b> | 020608          |   | 12.0                       | 21.2                                     | 3/8                  | 33     |
| <b>98 37 13</b> | 020615          |   | 13.0                       | 22.5                                     | 3/8                  | 33     |
| <b>98 37 14</b> | 020622          |   | 14.0                       | 23.7                                     | 3/8                  | 39     |
| <b>98 37 16</b> | 027263          |   | 16.0                       | 26.2                                     | 3/8                  | 53     |
| <b>98 37 17</b> | 020639          |   | 17.0                       | 27.5                                     | 3/8                  | 61     |
| <b>98 37 19</b> | 020646          |   | 19.0                       | 30.0                                     | 3/8                  | 73     |
| <b>98 47 10</b> | 020882          | ⚡ 1000V  | 10.0                       | 19.5                                     | 1/2                  | 63     |
| <b>98 47 11</b> | 020899          |   | 11.0                       | 20.7                                     | 1/2                  | 61     |
| <b>98 47 12</b> | 020912          |   | 12.0                       | 23.0                                     | 1/2                  | 64     |
| <b>98 47 13</b> | 020929          |   | 13.0                       | 23.2                                     | 1/2                  | 64     |
| <b>98 47 14</b> | 020943          |   | 14.0                       | 24.5                                     | 1/2                  | 67     |
| <b>98 47 16</b> | 027287          |   | 16.0                       | 26.9                                     | 1/2                  | 69     |
| <b>98 47 17</b> | 020967          |   | 17.0                       | 28.2                                     | 1/2                  | 75     |
| <b>98 47 18</b> | 027294          |   | 18.0                       | 29.0                                     | 1/2                  | 81     |
| <b>98 47 19</b> | 020974          |   | 19.0                       | 30.7                                     | 1/2                  | 99     |
| <b>98 47 22</b> | 020981          |   | 22.0                       | 34.5                                     | 1/2                  | 125    |
| <b>98 47 24</b> | 020998          |   | 24.0                       | 37.0                                     | 1/2                  | 151    |
| <b>98 47 27</b> | 021001          |   | 27.0                       | 41.0                                     | 1/2                  | 183    |

## Hexagon Sockets

for internal square 3/8" or 1/2"

IEC 60900 DIN EN 60900

98






- > with double-hex
- > for imperial hexagonal head screws
- > basic tool chrome plated
- > Chrome Vanadium steel



98 37 5/8"  
 $\Delta$  1000 V  



98 47 1/2"  
 $\Delta$  1000 V  

| Article No.  | EAN 4003773- |   | Width across flats S<br>Inch | Dia. of effective tool side d<br>max. mm | Square drive<br>Inch | <br>g |
|--------------|--------------|---|------------------------------|--|----------------------|--|
| 98 37 5/16"  | 020684       | $\Delta$ 1000 V       | 5/16                         | 16.2                                     | 3/8                  | 30   |
| 98 37 3/8"   | 020677       |   | 3/8                          | 18.7                                     | 3/8                  | 31   |
| 98 37 7/16"  | 020707       |   | 7/16                         | 20.0                                     | 3/8                  | 31   |
| 98 37 1/2"   | 020554       |   | 1/2                          | 22.5                                     | 3/8                  | 33   |
| 98 37 9/16"  | 020721       |   | 9/16                         | 23.7                                     | 3/8                  | 39   |
| 98 37 5/8"   | 020691       |   | 5/8                          | 26.2                                     | 3/8                  | 51   |
| 98 37 3/4"   | 020660       |   | 3/4                          | 30.0                                     | 3/8                  | 71   |
| 98 47 1/2"   | 020875       | $\Delta$ 1000 V   | 1/2                          | 23.2                                     | 1/2                  | 67   |
| 98 47 9/16"  | 021094       |   | 9/16                         | 24.5                                     | 1/2                  | 64   |
| 98 47 5/8"   | 021063       |   | 5/8                          | 26.9                                     | 1/2                  | 72   |
| 98 47 11/16" | 020905       |   | 11/16                        | 28.2                                     | 1/2                  | 88   |
| 98 47 3/4"   | 021018       |   | 3/4                          | 30.7                                     | 1/2                  | 97   |
| 98 47 7/8"   | 021087       |   | 7/8                          | 34.5                                     | 1/2                  | 124  |
| 98 47 1"     | 020868       |   | 1                            | 41.0                                     | 1/2                  | 167  |

## Hexagon Sockets for hexagonal socket screws

for internal square 3/8" or 1/2"






IEC 60900 DIN EN 60900

98

- > for metric internal hexagonal head screws
- > basic tool chrome plated
- > Special tool steel



98 39 06  
 $\Delta$  1000 V  

| Article No. | EAN 4003773- | $\leftrightarrow$<br>mm |   | Width across flats S<br>mm | Length of non-insulated blade<br>$\pm 2$ mm | Square drive<br>Inch | <br>g |
|-------------|--------------|-------------------------|---|----------------------------|---|----------------------|--|
| 98 39 05    | 020776       | 75                      | $\Delta$ 1000 V   | 5.0                        | 9   | 3/8                  | 59   |
| 98 39 06    | 020783       | 75                      |   | 6.0                        | 10  | 3/8                  | 58   |
| 98 39 08    | 020790       | 75                      |   | 8.0                        | 11  | 3/8                  | 71   |
| 98 49 05    | 021155       | 75                      | $\Delta$ 1000 V   | 5.0                        | 9   | 1/2                  | 68   |
| 98 49 06    | 021162       | 75                      |   | 6.0                        | 10  | 1/2                  | 72   |
| 98 49 08    | 021179       | 75                      |   | 8.0                        | 11  | 1/2                  | 87   |

## Reversible Ratchet

with driving square 1/2"

ISO 3315 IEC 60900 DIN EN 60900

98  
4

- > reversible for clockwise and anti-clockwise directions
- > very reliable retention of the actuating tools ensured by mechanically locked retaining system
- > Chrome Vanadium steel



98 42  
 1000 V

| Article No. | EAN<br>4003773- | ↔<br>mm |        | Square drive<br>Inch | ⚖<br>g |
|-------------|-----------------|---------|--------|----------------------|--------|
| 98 42       | 026525          | 265     | 1000 V | 1/2                  | 599    |

## Torque Wrenches

with driving square, reversible

IEC 60900 DIN EN 60900 DIN EN ISO 6789

98

- > reversible for tightening of lefthanded threads
- > lockable torque adjustment
- > very reliable retention of the actuating tools ensured by mechanically locked retaining system
- > transparent insulated scale range
- > calibration certificate included
- > Chrome Vanadium steel



98 43 50  
 1000 V



Transparent insulated scale range

| Article No. | EAN<br>4003773- | ↔<br>mm |        | Range of Application | Square drive<br>Inch | ⚖<br>g |
|-------------|-----------------|---------|--------|----------------------|----------------------|--------|
| 98 33 25    | 072676          | 290     | 1000 V | 5 - 25 Nm            | 3/8                  | 1230   |
| 98 33 50    | 071761          | 385     |        | 5 - 50 Nm            | 3/8                  | 1230   |
| 98 43 50    | 071778          | 385     | 1000 V | 5 - 50 Nm            | 1/2                  | 1230   |

## Cable Knives

IEC 60900 DIN EN 60900

98  
5

- > ergonomically improved handle shape with comfortable slip guard
- > particularly confident grip thanks to slip-proof soft components
- > thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- > solid, fixed straight blade
- > transparent protective cap
- > blade: special tool steel, oil-hardened



98 52  
 1000 V



98 54  
 1000 V

98 54  
 back of the blade plastic coated to avoid short circuits

| Article No. | EAN<br>4003773- | ↔<br>mm |        | Handle  | Blade length<br>mm | ⚖<br>g |
|-------------|-----------------|---------|--------|---|--------------------|--------|
| 98 52       | 035565          | 185     | 1000 V | insulating multi-component handle, VDE-tested | 50                 | 77     |
| 98 54       | 026563          | 180     | 1000 V | insulating multi-component handle, VDE-tested | 50                 | 77     |



## Dismantling Knives

IEC 60900 DIN EN 60900

98  
5

- > ergonomically improved handle shape with comfortable slip guard
- > particularly confident grip thanks to slip-proof soft components
- > thumb recess and "finger hook" at the end of the handle ensure a good transmission of force when the blade is pulled
- > transparent protective cap

### 98 53 03

solid, fixed hook blade; suitable for round cables;  
blade: special tool steel, oil-hardened

### 98 53 13

narrow, fixed hook blade, sickle shaped; suitable for  
sector cables; blade: special tool steel, oil-hardened

### 98 55

solid, fixed hook blade, sickle shaped; with guide shoe  
at the blade point; no damage of the conductor insulation;  
blade: surgical steel, stainless, vacuum-hardened



Guide shoe 98 55



98 53 03  
▲ 1000 V



98 53 13  
▲ 1000 V



98 55  
▲ 1000 V

| Article No. | EAN<br>4003773- | ↔<br>mm |          | Handle  | Blade length<br>mm | Radius<br>mm | ⚖<br>g |
|-------------|-----------------|---------|----------|---|--------------------|--------------|--------|
| 98 53 03    | 026549          | 155     | ▲ 1000 V | insulating multi-component handle, VDE-tested | 28                 | 7.0          | 77     |
| 98 53 13    | 026556          | 180     | ▲ 1000 V | insulating multi-component handle, VDE-tested | 50                 | 40.0         | 77     |
| 98 55       | 022558          | 155     | ▲ 1000 V | insulating multi-component handle, VDE-tested | 38                 | 23.5         | 77     |

## Cable Knife

with replaceable blade

IEC 60900 DIN EN 60900

98  
5

- > straight blade with special sharpening; replaceable
- > with hinged blade guard, integrated in the handle, captive
- > back of the blade plastic coated to avoid short circuits
- > ergonomically shaped insulating handle
- > blade: surgical steel, stainless, vacuum-hardened



98 56  
▲ 1000 V

| Article No. | EAN<br>4003773- | ↔<br>mm               |          | Blade length<br>mm | ⚖<br>g |
|-------------|-----------------|-----------------------|----------|--------------------|--------|
| 98 56       | 026570          | 185                   | ▲ 1000 V | 50                 | 64     |
| 98 56 SB    | 033516          | 185                   | ▲ 1000 V | 50                 | 64     |
| 98 56 09    | 030829          | Spare blade for 98 56 |          |                    |        |

## Flat Nose Pliers of plastic

insulating

IEC 60900 DIN EN 60900 ASTM F1505

98  
6

- > fully insulating to reduce risk of short circuit
- > for meter assembly and meter blocking
- > class C; range of use up to -40°C
- > plastic material, fibreglass-reinforced
- > handles with soft plastic zone for better grip



98 62 01

⚡ 1000V



KNIPPEX presents high-quality and sturdy plastic pliers featuring protection against bridging for working on live parts up to AC 1000V and DC 1500V.

These solid plastic pliers do not act on magnetic fields either and they are fully spark-free. They are also excellent for use in chemically aggressive environments.

| Article No. | EAN            | ↔  |             | g   |
|-------------|----------------|----|-------------|-----|
| 98 62 01    | 4003773-073956 | mm | 180 ⚡ 1000V | 120 |

## Snipe Nose Pliers of plastic

insulating

IEC 60900 DIN EN 60900 ASTM F1505

98  
6

- > fully insulating to reduce risk of short circuit
- > class C; range of use up to -40°C
- > plastic material, fibreglass-reinforced
- > handles with soft plastic zone for better grip



98 62 02

⚡ 1000V



| Article No. | EAN            | ↔  |             | g   |
|-------------|----------------|----|-------------|-----|
| 98 62 02    | 4003773-073963 | mm | 220 ⚡ 1000V | 130 |

## Insulating Clamp

from plastic

DIN VDE 0680-1

98  
6

- > for holding insulating mats in place
- > with integrated spring
- > fully insulating to reduce risk of short circuit
- > solid plastic, fibreglass-reinforced



98 64 02

⚡ 1000V



| Article No. | EAN            | ↔  |             | Clamping capacity mm | g  |
|-------------|----------------|----|-------------|----------------------|----|
| 98 64 02    | 4003773-021193 | mm | 150 ⚡ 1000V | 15                   | 61 |

## Plastic Slip-On Caps

conical  
DIN VDE 0680-1

98  
6

- > to cover bare live cable ends (max. 10 mm dia.)
- > Plastic

| Article No. | EAN<br>4003773- | ↔<br>mm |          | Conductor key | ⚖<br>g |
|-------------|-----------------|---------|----------|---------------|--------|
| 98 65 01    | 021209          | 80      | ⚡ 1000 V | 1             | 7      |
| 98 65 02    | 021216          | 80      |          | 2             | 8      |
| 98 65 03    | 021223          | 80      |          | 3             | 8      |



98 65 03  
⚡ 1000 V

## Self-Clamping Slip-On Caps

DIN VDE 0680-1

98  
6

- > to cover bare live cable ends
- > Plastic

| Article No. | EAN<br>4003773- | ↔<br>mm |          | Inside dia.<br>mm | ⚖<br>g |
|-------------|-----------------|---------|----------|-------------------|--------|
| 98 65 10    | 021230          | 80      | ⚡ 1000 V | 10                | 9      |
| 98 65 20    | 021247          | 100     |          | 20                | 39     |
| 98 65 30    | 021261          | 110     |          | 30                | 52     |



98 65 30  
⚡ 1000 V

## Electricians' Gloves

IEC 60903 DIN EN 60903

98  
6

- > for added protection when working live or close to live parts
- > classification: 0

| Article No. | EAN<br>4003773- |          | Size | ⚖<br>g |
|-------------|-----------------|----------|------|--------|
| 98 65 40    | 021285          | ⚡ 1000 V | 9    | 290    |
| 98 65 41    | 021292          |          | 10   | 288    |
| 98 65 42    | 077862          |          | 11   | 290    |



98 65 40  
⚡ 1000 V

## Insulating Mats

from rubber  
IEC 61112 DIN EN 61112

98  
6

- > for added protection when working live or close to live parts

| Article No. | EAN<br>4003773- |               | Dimensions<br>mm | Thickness<br>mm | ⚖<br>g |
|-------------|-----------------|---------------|------------------|-----------------|--------|
| 98 67 05    | 026600          | ⚡ 1000 V ⚡ GS | 500 x 500        | 1.0             | 301    |
| 98 67 10    | 026617          |               | 1,000 x 1,000    | 1.0             | 1200   |
| 98 67 15    | 077831          |               | 10,000 x 1,000   | 1.0             | 12000  |



98 67 05  
⚡ 1000 V ⚡ GS

## Stand Mats

from rubber  
IEC 61112 DIN EN 61112

98  
6

- > for site insulation when working live or close to live parts

| Article No. | EAN<br>4003773- |               | Dimensions<br>mm | Thickness<br>mm | ⚖<br>g |
|-------------|-----------------|---------------|------------------|-----------------|--------|
| 98 67 20    | 077848          | ⚡ 1000 V ⚡ GS | 1,000 x 1,000    | 4.0             | 4700   |
| 98 67 25    | 077855          |               | 10,000 x 1,000   | 4.0             | 40000  |



98 67 20  
⚡ 1000 V ⚡ GS

PUK® Junior Hacksaw  
IEC 60900 DIN EN 60900

98  
90

> saw blade for metal and wood with 25 teeth per inch, exchangeable



98 90  
⚡ 1000 V

| Article No. | EAN<br>4003773- | ↔<br>mm |          | Saw blade length<br>mm | ⚖<br>g |
|-------------|-----------------|---------|----------|------------------------|--------|
| 98 90       | 028321          | 240     | ⚡ 1000 V | 150                    | 174    |

PUK® is a registered trade mark of Josef Haunstetter Sägenfabrik KG

Compact Tool Case

17 parts  
with insulated tools for works on electrical installations  
IEC 60900 DIN EN 60900

98  
9

- > shock-resistant plastic case
- > equipped with a range of insulated KNIPEX tools for works on electrical installations
- > foam inserts with recesses for the tools
- > fixable partition wall
- > dimensions, exterior (W x H x D): 360 x 110 x 310 mm



98 99 11  
⚡ 1000 V

| Article No. | EAN<br>4003773- |                    |                            |  | Quantity | ⚖<br>g |
|-------------|-----------------|--------------------|----------------------------|--|----------|--------|
| 98 99 11    | 026624          |                    | Compact Tool Case 17 parts |  |          | 3675   |
|             |                 | ⚡ 1000 V ⚡         | 03 07 200                  | Combination Pliers   | 1        |        |
|             |                 | ⚡ 1000 V ⚡         | 70 07 160                  | Diagonal Cutter  | 1        |        |
|             |                 |                    | 98 20 35                   |  | 1        |        |
|             |                 | ⚡ 1000 V ⚡         | 98 20 40                   | Screwdrivers for slotted screws                                | 1        |        |
|             |                 |                    | 98 20 55                   |  | 1        |        |
|             |                 | ⚡ 1000 V ⚡         | 98 24 00                   | Screwdriver for cross recessed screws, Phillips®               | 1        |        |
|             |                 | ⚡ 1000 V 1/2"      | 98 42                      | Reversible Ratchet, with driving square 1/2"                   | 1        |        |
|             |                 | ⚡ 1000 V 1/2" 1/2" | 98 45 125                  | Extension Bar, with internal/external square 1/2"              | 1        |        |
|             |                 |                    | 98 45 250                  |  | 1        |        |
|             |                 |                    | 98 47 10                   |  | 1        |        |
|             |                 |                    | 98 47 11                   |  | 1        |        |
|             |                 |                    | 98 47 12                   |  | 1        |        |
|             |                 | ⚡ 1000 V 1/2"      | 98 47 13                   | Hexagon Socket for hexagonal screws, with internal square 1/2" | 1        |        |
|             |                 |                    | 98 47 14                   |  | 1        |        |
|             |                 |                    | 98 47 17                   |  | 1        |        |
|             |                 |                    | 98 47 19                   |  | 1        |        |
|             |                 | ⚡ 1000 V ⚡         | 98 52                      | Cable Knife  | 1        |        |



## Compact-Box

4 parts  
with insulated pliers

00  
20

- > high quality, versatile, shock-resistant plastic case
- > foam insert with honeycomb structure for variable equipment
- > dimensions, exterior (H x W x D): 65 x 327 x 275 mm

### 00 20 15


















all pliers VDE tested according to DIN EN/IEC 60900 1000V,  
pliers finish 6

### 00 21 15 LE

without tools



00 20 15  
1000 V  

| Article No. | EAN<br>4003773- |   |                     |                                | Quantity | <br>g |
|-------------|-----------------|---|---------------------|--------------------------------|----------|--|
| 00 20 15    | 024804          |   | Compact-Box 4 parts |                                |          | 1430   |
|             |                 |     | 03 06 180           | Combination Pliers             | 1        |  |
|             |                 |     | 11 06 160           | Wire Stripper                  | 1        |  |
|             |                 |     | 26 16 200           | Snipe Nose Side Cutting Pliers | 1        |  |
|             |                 |     | 70 06 160           | Diagonal Cutter                | 1        |  |
| 00 21 15 LE | 045175          |   | Tool Box empty      |                                |          | 530  |

## Tool-Box

7 parts  
for electrical contractors

00  
21

- > high quality, versatile, shock-resistant plastic case
- > foam insert with honeycomb structure for variable equipment
- > dimensions, exterior (H x W x D): 65 x 327 x 275 mm

### 00 21 15























all pliers and screwdrivers except Water Pump Pliers  
VDE tested according to DIN EN/IEC 60900

### 00 21 15 LE

without tools



00 21 15

| Article No. | EAN<br>4003773- |   |                  |   |        | Quantity | Nominal size       | <br>g |
|-------------|-----------------|---|------------------|---|--------|----------|--------------------|--|
| 00 21 15    | 042853          |   | Tool Box 7 parts |   |        |          |                    | 1520   |
|             |                 |     | 03 06 180        | Combination Pliers  | Knipex | 1        | 180 mm             |  |
|             |                 |     | 26 16 200        | Snipe Nose Side Cutting Pliers                            |        | 1        | 200 mm             |  |
|             |                 |     | 70 06 160        | Diagonal Cutter   |        | 1        | 160 mm             |  |
|             |                 |    | 88 03 180        | KNIPEX Alligator®   |        | 1        | 180 mm             |  |
|             |                 |     | 006100           | Screwdrivers for slotted screws, 160i                     | Wera   | 1        | 0.4 x 2.5 x 80 mm  |  |
|             |                 |   | 006115           |   |        | 1        | 0.8 x 4.0 x 100 mm |  |
|             |                 |     | 006152           | Screwdrivers for cross recessed Phillips® screws, 162i PH |        | 1        | PH1 x 80 mm        |  |
| 00 21 15 LE | 045175          |   | Tool-Box empty   |   |        |          |                    | 530  |

## Standard Tool Case

26 parts  
with insulated tools for works on electrical installations  
IEC 60900 DIN EN 60900

98  
9

- > equipped with a range of insulated KNIPEX tools for works on electrical installations
- > shock-resistant plastic case
- > foam inserts with recesses for the tools
- > fixable partition wall
- > dimensions, exterior (H x W x D): 105 x 440 x 385 mm



98 99 12  
⚡ 1000 V

| Article No. | EAN<br>4003773- |          |                             |  | Quantity | g    |
|-------------|-----------------|----------|-----------------------------|--|----------|------|
| 98 99 12    | 026631          |          | Standard Tool Case 26 parts |  |          | 5533 |
|             |                 | ⚡ 1000 V | 03 07 200                   | Combination Pliers   | 1        |      |
|             |                 | ⚡ 1000 V | 70 07 160                   | Diagonal Cutter  | 1        |      |
|             |                 |          | 98 00 10                    |  | 1        |      |
|             |                 |          | 98 00 11                    |  | 1        |      |
|             |                 |          | 98 00 12                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 00 13                    | Open End Wrench  | 1        |      |
|             |                 |          | 98 00 14                    |  | 1        |      |
|             |                 |          | 98 00 17                    |  | 1        |      |
|             |                 |          | 98 00 19                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 53 03                    | Dismantling Knife for round cables                             | 1        |      |
|             |                 | ⚡ 1000 V | 98 20 25                    |  | 1        |      |
|             |                 |          | 98 20 35                    | Screwdrivers for slotted screws                                | 1        |      |
|             |                 |          | 98 20 40                    |  | 1        |      |
|             |                 |          | 98 20 55                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 24 00                    |  | 1        |      |
|             |                 |          | 98 24 01                    | Screwdriver for cross recessed screws, Phillips®               | 1        |      |
|             |                 |          | 98 24 02                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 40                       | T-Handle Drive, with driving square 1/2"                       | 1        |      |
|             |                 |          | 98 47 10                    |  | 1        |      |
|             |                 |          | 98 47 11                    |  | 1        |      |
|             |                 |          | 98 47 12                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 47 13                    | Hexagon Socket for hexagonal screws, with internal square 1/2" | 1        |      |
|             |                 |          | 98 47 14                    |  | 1        |      |
|             |                 |          | 98 47 17                    |  | 1        |      |
|             |                 |          | 98 47 19                    |  | 1        |      |
|             |                 | ⚡ 1000 V | 98 52                       | Cable Knife  | 1        |      |

## Tool Roll

15 parts  
with insulated tools for works on electrical installations  
IEC 60900 DIN EN 60900

98  
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- > tool roll made of hard-wearing polyester fabric
- > with practical, adjustable quick release fastener
- > equipped with a range of insulated KNIPEX tools for works on electrical installations



98 99 13  
⚡ 1000 V

| Article No. | EAN<br>4003773- |            |                    |   | Quantity | ⚖<br>g |
|-------------|-----------------|------------|--------------------|---|----------|--------|
| 98 99 13    | 026648          |            | Tool Roll 15 parts |   |          | 2455   |
|             |                 | ⚡ 1000 V ⚡ | 03 07 200          | Combination Pliers                                  | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 11 07 160          | Insulation Stripper                                 | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 26 17 200          | Snipe Nose Side Cutting Pliers, (Stork Beak Pliers) | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 70 07 160          | Diagonal Cutter                                     | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 95 17 200          | Cable Shears, with twin cutting edge                | 1        |        |
|             |                 |            | 98 00 10           |   | 1        |        |
|             |                 |            | 98 00 13           |   | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 98 00 14           | Open End Wrench                                     | 1        |        |
|             |                 |            | 98 00 17           |   | 1        |        |
|             |                 |            | 98 00 19           |   | 1        |        |
|             |                 |            | 98 20 25           |   | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 98 20 40           | Screwdrivers for slotted screws                     | 1        |        |
|             |                 |            | 98 20 55           |   | 1        |        |
|             |                 |            | 98 20 65           |   | 1        |        |
|             |                 | ⚡ 1000 V ⚡ | 98 52              | Cable Knife   | 1        |        |

## Universal Tool Case

48 parts  
with insulated tools for works on electrical installations  
IEC 60900 DIN EN 60900

98  
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### 98 99 14

- > hard-wearing case made of ABS material, red; containing a range of KNIPEX tools for works on electrical installations, tested according to DIN EN/IEC 60900, as well as insulating mats, clamps and gloves for added protection
- > sturdy aluminium frame with D-shape rings for belt and fix, sturdy centre board with multi-purpose push-in facilities by elastic loops and 12 small pockets
- > comfortable handle and mounting device for a "Trolley" embedded in the bottom (available ordering ref. 00 21 40 T)
- > metal hinges
- > 30 kg maximum load
- > can be opened on one or both sides; bottom tray and cover can be opened independently
- > stands stable in any opening position due to lid-holders and hinge mechanisms on both sides, that register in a position of 45° and 90°
- > 3-digit lock and two flip-locks for fixation of the cover
- > removable document compartment and removable tool board, with 13 push-in compartments on one side
- > two flip-locks to fix the bottom

- > base tray, height 58 mm, can be subdivided by flexible inserts; cover plate with six large push-in compartments, can be fixed by popper
- > dimensions, external (H x W x D): 255 x 490 x 410 mm  
dimensions, internal (H x W x D) : (105 + 105) x 445 x 350 mm

### 00 21 40 T

- > telescopic handle for rolling transport of tool case
- > applicable for cases: 00 21 40 LE Tool Case "BIG Twin", 98 99 14 Universal Tool Case
- > height adjustable handle with catch
- > integrated mechanism for fixation to the case, for rapid assembly and removal
- > with two smooth running rolls
- > dimensions: 60 x 245 x 400 (1.000) mm (extended)



98 99 14  
⚡ 1000 V





00 21 40 T



| Article No. | EAN<br>4003773- |                              |                                    |  | Quantity | g     |
|-------------|-----------------|------------------------------|------------------------------------|--|----------|-------|
| 98 99 14    | 026655          | Universal Tool Case 48 parts |                                    |  |          | 16250 |
|             |                 | ⚡ 1000V                      | 03 07 200                          | Combination Pliers   | 1        |       |
|             |                 | ⚡ 1000V                      | 11 17 160                          | Insulation Stripper  | 1        |       |
|             |                 | ⚡ 1000V                      | 70 07 160                          | Diagonal Cutter  | 1        |       |
|             |                 | ⚡ 1000V                      | 88 07 250                          | KNIPLEX Alligator®, Water Pump Pliers                          | 1        |       |
|             |                 | ⚡ 1000V                      | 95 17 200                          | Cable Shears, with twin cutting edge                           | 1        |       |
|             |                 | ⚡ 1000V                      | 98 00 10                           | Open End Wrench  | 1        |       |
|             |                 |                              | 98 00 13                           |  | 1        |       |
|             |                 |                              | 98 00 14                           |  | 1        |       |
|             |                 |                              | 98 00 17                           |  | 1        |       |
|             |                 |                              | 98 00 19                           |  | 1        |       |
|             |                 |                              | 98 00 22                           | Box Wrench   | 1        |       |
|             |                 |                              | 98 01 10                           |  | 1        |       |
|             |                 |                              | 98 01 13                           |  | 1        |       |
|             |                 |                              | 98 01 14                           |  | 1        |       |
|             |                 |                              | 98 01 17                           |  | 1        |       |
|             |                 |                              | 98 01 19                           |  | 1        |       |
|             |                 |                              | 98 01 22                           |  | 1        |       |
|             |                 | ⚡ 1000V                      | 98 67 05                           | Insulating Mat, from rubber                                    | 3        |       |
|             |                 | ⚡ 1000V                      | 98 20 25                           | Screwdrivers for slotted screws                                | 1        |       |
|             |                 |                              | 98 20 40                           |  | 1        |       |
|             |                 |                              | 98 20 55                           |  | 1        |       |
|             |                 |                              | 98 20 65                           |  | 1        |       |
|             |                 | ⚡ 1000V                      | 98 24 01                           | Screwdriver for cross recessed screws, Phillips®               | 1        |       |
|             |                 |                              | 98 24 02                           |  | 1        |       |
|             |                 | ⚡ 1000V                      | 98 40                              | T-Handle Drive, with driving square 1/2"                       | 1        |       |
|             |                 | ⚡ 1000V                      | 98 42                              | Reversible Ratchet, with driving square 1/2"                   | 1        |       |
|             |                 | ⚡ 1000V                      | 98 45 125                          | Extension Bar, with internal/external square 1/2"              | 1        |       |
|             |                 |                              | 98 45 250                          |  | 1        |       |
|             |                 | ⚡ 1000V                      | 98 47 10                           | Hexagon Socket for hexagonal screws, with internal square 1/2" | 1        |       |
|             |                 |                              | 98 47 11                           |  | 1        |       |
|             |                 |                              | 98 47 12                           |  | 1        |       |
|             |                 |                              | 98 47 13                           |  | 1        |       |
|             |                 |                              | 98 47 14                           |  | 1        |       |
|             |                 |                              | 98 47 17                           |  | 1        |       |
|             |                 |                              | 98 47 19                           |  | 1        |       |
|             |                 |                              | 98 47 22                           |  | 1        |       |
|             |                 | ⚡ 1000V                      | 98 52                              | Cable Knife  | 1        |       |
|             |                 |                              | 98 53 03                           | Dismantling Knife for round cables                             | 1        |       |
|             |                 | ⚡ 1000V                      | 98 64 02                           | Insulating Clamp, from plastic                                 | 6        |       |
|             |                 | ⚡ 1000V                      | 98 65 40                           | Electricians' Gloves   | 1        |       |
| 98 99 14 LE | 060703          |                              | Universal Tool Case empty          |  |          | 8235  |
| 00 21 40 T  | 062981          |                              | Trolley for rolling case transport |  |          | 1200  |



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